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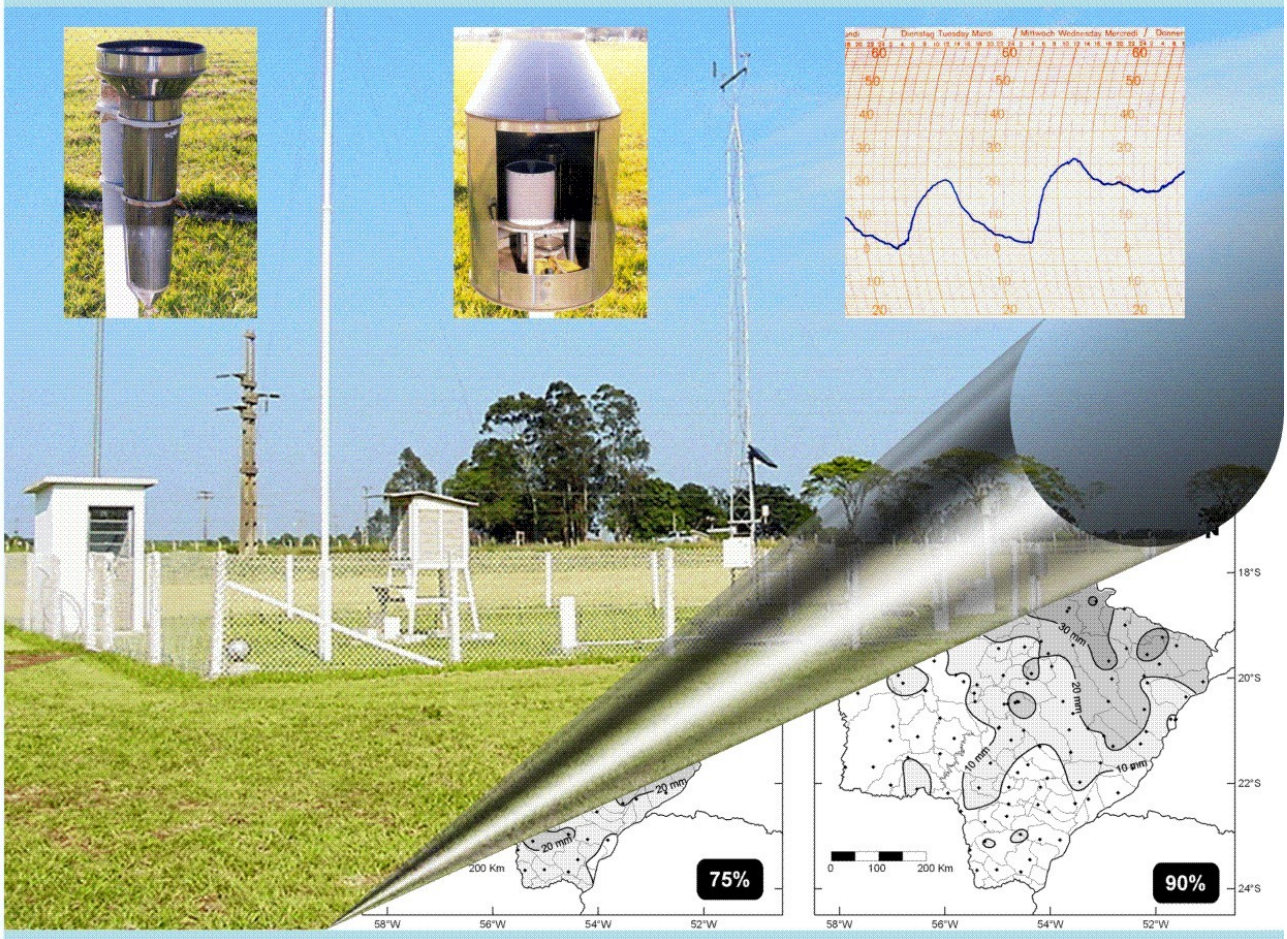

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Carlos Ricardo Fietz
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Apresentação

Sem dúvida, a chuva é um elemento meteorológico com grande influência na vida das pessoas. Sendo a principal forma de retorno da água da atmosfera para a superfície terrestre, sua distribuição e quantidade influenciam a fauna e a flora de uma região e, principalmente, as atividades agrícolas.

Em Mato Grosso do Sul, apesar da grande influência que exercem na agricultura, a ocorrência e a distribuição das chuvas foram pouco estudadas. Considerando que a Embrapa Agropecuária Oeste tem como um dos seus objetivos institucionais, organizar e sistematizar informações sobre os recursos naturais da sua área de abrangência, elaborou-se o documento Probabilidade de ocorrência de chuva em Mato Grosso do Sul.

Este documento apresenta uma caracterização do regime pluviométrico de Mato Grosso do Sul. Apresenta também as probabilidades de ocorrência de chuva no Estado, podendo contribuir de forma significativa para ações de planejamento, reduzindo os riscos e as perdas agrícolas, além possibilitar o uso dos recursos naturais de maneira mais equilibrada.

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Sumário

Probabilidade de Ocorrência de Chuva em Mato Grosso do Sul

Carlos Ricardo Fietz
Éder Comunello

Introdução

Mato Grosso do Sul, com área superior a 357 mil km^2 e composto por 78 municípios, tem suas principais atividades econômicas baseadas na agricultura. Segundo Levantamento... (2006), na safra 2005/06 foram cultivados no Estado mais de 2,8 milhões de hectares, basicamente com soja, milho, trigo, feijão e cana-de-açúcar. O Estado também possui o maior rebanho bovino do Brasil, com mais de 28 milhões de cabeças (Levantamento..., 2006).

As atividades agrícolas em Mato Grosso do Sul são fortemente influenciadas pela ocorrência e distribuição das chuvas; no entanto, essas foram até hoje pouco estudadas. Além disso, a contribuição das chuvas deveria ser considerada no planejamento de atividades e no dimensionamento de projetos agrícolas implantados no Estado, procedimento justificável para locais que apresentam valores altos de precipitação na maioria dos meses do ano.

Nessa situação, recomenda-se considerar a contribuição das chuvas, com base na distribuição de freqüência da precipitação, em níveis de probabilidade adotados por critérios econômicos. Vários autores, como Hargreaves (1973) e Marouelli & Sediyama (1987), consideram o nível de 75% de probabilidade como o mais indicado para o planejamento das atividades e dimensionamento de projetos agrícolas.

Considerando a importância de se conhecer o comportamento da chuva no Estado, realizou-se este trabalho, com o objetivo de determinar a probabilidade de ocorrência de chuva, em vários níveis de probabilidade.

Metodologia

O estudo baseou-se em 131 séries de dados diários de precipitação coletados em 60 municípios de Mato Grosso do Sul (Tabela 1). As séries foram selecionadas no portal da Agência Nacional de Águas (HIDROWEB, 2005) e tinham, no mínimo, 10 anos de dados diários de chuva.

Aanálise foi realizada para períodos decendiais. As séries foram ajustadas a uma distribuição mista (Thom, 1951), utilizando a distribuição gama incompleta:

$$M(y) = K + I\,G(y') \tag{1}$$

sendo,

$$K = \frac{j}{n} \tag{2}$$

$$I = 1 - K \tag{3}$$

em que M(y) é a distribuição acumulada mista, G(y') é distribuição acumulada gama incompleta para valores não nulos (y'), K e I são, respectivamente, as probabilidades de não ocorrer e ocorrer precipitação, j é o número de valores nulos e n é o tamanho da série.

Quando a série não continha valores nulos (k = 0 e I = 1), a probabilidade de ocorrência da precipitação era calculada pela própria distribuição gama incompleta:

$$G(y') = \frac{1}{\Gamma(\alpha)\beta^{\alpha}} \int_0^{y'} e^{(-y'/\beta)} y'^{(\alpha-1)}\,dy' \tag{4}$$

em que α e β são, respectivamente, os parâmetros de forma e de escala da distribuição gama, Γ é o símbolo da função e ***e*** é a base do logaritmo neperiano.

Os parâmetros da distribuição gama foram estimados pelo método da máxima verossimilhança:

$$\hat{\beta} = \frac{\bar{y}}{\hat{\alpha}} \tag{5}$$

$$\hat{\alpha} = \frac{1 + \left[1 + (4A/3)\right]^{1/2}}{4A} \tag{6}$$

$$A = \ln(\bar{y}) - \frac{1}{n}\sum \ln(y_k) \tag{7}$$

em que $\bar{y}$ é a precipitação decendial média, y_k é precipitação acumulada, n é o número de dados e *ln* é o operador do logaritmo neperiano. Foram consideradas nulas as precipitações inferiores a 0,5 mm e como 1,0 mm os valores de chuva do intervalo 0,5 mm ≤ y< 1,0 mm.

A aderência dos dados à distribuição gama foi verificada pelo teste Kolmogorov-Smirnov (Assis et al., 1996). Neste teste, para que haja ajuste dos dados amostrais à distribuição teórica, os valores de máxima divergência das séries não devem superar o valor crítico, na significância estabelecido.

Resultados

Houve ajuste de todas as séries à distribuição teórica. Através das distribuições ajustadas foram gerados, para cada local, os valores de precipitação esperada para os níveis de probabilidade de 50%, 67%, 75%, 80%, 90%, 93% e 95% ou, respectivamente, períodos de retorno de 2, 3, 4, 5, 10, 14 e 20 anos (Tabelas 2 a 132). É importante observar que os períodos de retorno sempre foram menores que o tamanho das séries.

Nas tabelas estão apresentadas, para cada local, as probabilidades da precipitação de um decêndio ser igual ou superior aos valores nelas contidas. Assim, por exemplo, em Água Clara, na estação Pontal (Tabela 2), para o período de retorno de quatro anos, existe 75% de probabilidade de que no primeiro decêndio de janeiro a precipitação seja, no mínimo, 60 mm. Ou ainda, em apenas um de cada quatro anos, a chuva no primeiro decêndio de janeiro será inferior a 60 mm. Da mesma maneira, em Amambai (Tabela 7) há 90% de probabilidade da chuva no primeiro decêndio de fevereiro ser, no mínimo, 16,8 mm, ou também, em apenas um de cada dez anos, a chuva nesse decêndio será menor que 16,8 mm.

Os dados de chuva com 75% e 90% de probabilidade de ocorrência foram espacializados pelo método da função de base radial, através do programa Surfer (Keckler, 1999). Nas Fig. 1 a 36 estão apresentados os resultados obtidos. A interpretação das figuras é similar a das tabelas. Assim, conhecendo-se as coordenadas geográficas de qualquer localidade do Estado (latitude e longitude), pode-se obter os valores de chuva com 75% e 90% de probabilidade de ocorrência.

Dada a inexistência de estudos detalhados sobre o clima de Mato Grosso do Sul, surgiram observações empíricas para identificar áreas com maior ocorrência de precipitações. Baseado nessas observações, estabeleceu-se que nas regiões Norte, principalmente nas imediações de Costa Rica e Chapadão do Sul, e Sudoeste, em Ponta Porã e na região de fronteira com o Paraguai, ocorrem maiores índices pluvimétricos, com período chuvoso prolongado em relação às demais áreas.

A análise dos mapas (Fig. 1 a 36), que representam graficamente a distribuição espacial das probabilidades de ocorrência de chuva, corroboram esta idéia. Assim, pode-se perceber que nas regiões citadas ocorrem maiores precipitações ao longo do ano. O prolongamento do período chuvoso pode ser observado pela manutenção de índices de precipitação superior a 10 mm por três a quatro decêndios a mais que outras regiões. Além disso, o período chuvoso nessas regiões inicia antes que as demais.

Nas Regiões Norte e Sudoeste, os índices de precipitação superam 10 mm já no terceiro decêndio de setembro, enquanto nas demais regiões isto só ocorre a partir do segundo decêndio de outubro.

Em todas as localidades houve grande diferença entre os valores médios de chuva e as precipitações com 75% de probabilidade de ocorrência (Tabelas 2 a 132). Portanto, o uso de valores médios de precipitação não é recomendado para o planejamento das atividades e dimensionamento de projetos agrícolas em Mato Grosso do Sul.

Tabela 1. Localização dos postos pluviométricos, ordenados por município, e seus respectivos códigos e tamanho da série.

Nº	Município	Código	Nome	Latitude	Longitude	Altitude (m)	Série (anos)	Página
2	Água Clara	1952001	Pontal	19°40'41" S	52°53'47" W	427	1983 - 2005	17
3	Água Clara	1953000	Alto Rio Verde	19°22'36" S	53°34'08" W	500	1983 - 2005	18
4	Água Clara	1953003	Furlaneto	19°22'36" S	53°34'08" W	450	1983 - 2005	19
5	Água Clara	2052002	Água Clara	20°26'42" S	52°54'05" W	304	1976 - 2005	20
6	Água Clara	2052003	Fazenda Rio Verde	20°01'00" S	52°49'60" W		1983 - 2005	21
7	Amambai	2355000	Amambai	23°05'58" S	55°14'27" W	496	1972 - 2005	22
8	Anaurilândia	2252000	Anaurilândia	22°10'54" S	52°43'01" W	354	1972 - 2005	23
9	Angélica	2154006	Retiro Guarujá	21°53'59" S	54°03'19" W		1984 - 2005	24
10	Antônio João	2255002	Antônio João	22°11'08" S	55°56'31" W		1984 - 2005	25
11	Aparecida do Taboado	2051046	Aparecida do Taboado	20°04'04" S	51°06'11" W	390	1983 - 2005	26
12	Aquidauana	1955000	Iguaçu	19°56'35" S	55°47'32" W		1975 - 2005	27
13	Aquidauana	1956002	Fazenda Rio Negro	19°34'00" S	56°12'00" W	106	1968 - 1989	28
14	Aquidauana	1956003	Entre Rios	19°40'41" S	56°12'15" W		1958 - 2005	29
15	Aquidauana	1956008	São Sebastião	19°21'33" S	56°24'23" W		1975 - 2005	30
16	Aquidauana	2055001	Cipolândia	20°07'37" S	55°23'34" W		1969 - 2005	31
17	Aquidauana	2055004	Taboco	20°04'13" S	55°38'39" W		1973 - 2005	32
18	Bandeirantes	1954005	Bandeirantes	19°55'04" S	54°21'31" W	639	1976 - 2005	33
19	Bataguassu	2152001	Porto Uerê	21°42'57" S	52°26'14" W	293	1972 - 2005	34
20	Bataiporã	2253014	Bataiporã	22°17'54" S	53°16'48" W		1984 - 2005	35
21	Bela Vista	2256001	Bela Vista	22°06'32" S	56°31'35" W	263	1969 - 2005	36
22	Bonito	2056003	Estrada MT-738	20°45'43" S	56°05'28" W		1969 - 2005	37
23	Bonito	2156000	Bonito	21°06'55" S	56°31'01" W	242	1968 - 2005	38
24	Brasilândia	2152000	Porto Velho	21°01'00" S	52°10'60" W	379	1972 - 2005	39
25	Brasilândia	2152014	Fazenda Boa Esperança	21°14'54" S	52°17'17" W		1984 - 2005	40
26	Caarapó	2254000	Caarapó	22°37'27" S	54°49'28" W	469	1972 - 2005	41
27	Camapuã	1853001	Figueirão	18°43'60" S	53°40'60" W		1970 - 1989	42
28	Camapuã	1853005	Colônia Figueirão	18°40'25" S	53°38'29" W	530	1984 - 2005	43
29	Camapuã	1854003	Jauru	18°38'57" S	54°21'26" W		1971 - 2005	44
30	Camapuã	1954004	Camapuã	19°32'01" S	54°02'08" W	484	1968 - 2005	45
31	Camapuã	1954006	Fazenda Carandá	19°18'09" S	54°10'22" W	540	1983 - 2005	46
32	Campo Grande	2054001	Campo Grande - SBCG	20°28'00" S	54°40'00" W	559	1949 - 1984	47
33	Campo Grande	2054010	Caixa Dágua	20°27'00" S	54°37'60" W		1976 - 1994	48
34	Campo Grande	2054014	DNOS - VIII DRS	20°27'30" S	54°36'17" W		1976 - 2005	49

Continua...

Continuação da Tabela 1.

Nº	Município	Código	Nome	Latitude	Longitude	Altitude (m)	Série (anos)	Página
35	Campo Grande	2054020	Alegre	20°40'36" S	53°34'14" W		1983 - 2005	50
36	Campo Grande	2154002	Vau do Bálsamo	20°59'38" S	54°30'25" W	469	1973 - 2005	51
37	Campo Grande	2154008	Fazenda Ponte	21°18'04" S	54°11'55" W		1984 - 2005	52
38	Caracol	2257000	Caracol	22°01'51" S	57°01'45" W	247	1968 - 2005	53
39	Cassilândia	1852002	Indáia Grande	18°59'48" S	52°35'14" W	600	1983 - 2005	54
40	Chapadão do Sul	1852003	Cidade Chapadão Gaúcho	18°41'20" S	52°35'41" W	600	1983 - 2005	55
41	Chapadão do Sul	1952000	Alto Sucuriú	19°26'39" S	52°33'28" W	370	1983 - 2005	56
42	Coronel Sapucaia	2355001	Coronel Sapucaia	23°15'54" S	55°31'33" W		1984 - 2005	57
43	Corumbá	1755001	União	17°47'05" S	55°47'22" W	134	1968 - 2005	58
44	Corumbá	1755004	São Jerônimo	17°10'00" S	55°58'60" W		1963 - 1989	59
45	Corumbá	1756002	Retiro Seguro	18°03'09" S	56°42'10" W		1968 - 2005	60
46	Corumbá	1756003	Porto Alegre	17°37'23" S	56°57'55" W		1969 - 2005	61
47	Corumbá	1757000	Porto Índio	17°37'00" S	57°42'00" W		1968 - 1995	62
48	Corumbá	1855000	Fazenda São Gonçalo	18°21'00" S	55°51'00" W		1955 - 1989	63
49	Corumbá	1857001	Amolar	18°02'19" S	57°29'19" W		1968 - 2005	64
50	Corumbá	1857002	São José do Mato Grande	18°14'11" S	56°58'23" W		1968 - 2005	65
51	Corumbá	1857003	São Francisco	18°23'38" S	57°23'28" W		1970 - 2005	66
52	Corumbá	1956001	Paraíso	19°10'24" S	56°42'44" W		1970 - 2005	67
53	Corumbá	1956004	Campo Alto	19°00'12" S	56°05'20" W		1961 - 2005	68
54	Corumbá	1957003	Porto da Manga	19°15'30" S	57°14'07" W		1970 - 2005	69
55	Corumbá	1957004	Forte Coimbra	19°55'07" S	57°47'22" W		1968 - 2005	70
56	Corumbá	1957005	Piraputanga - Jacadigo	19°18'19" S	57°35'36" W		1970 - 2005	71
57	Corumbá	1957006	Porto Esperança	19°36'02" S	57°26'14" W	83	1968 - 2005	72
58	Corumbá	2057000	Tarumã	20°17'27" S	57°38'52" W	81	1971 - 2005	73
59	Corumbá	2057001	São Simão	20°02'59" S	57°19'17" W		1977 - 2005	74
60	Corumbá	2058001	Baía Negra	20°12'00" S	58°10'60" W		1980 - 2005	75
61	Costa Rica	1853004	Costa Rica	18°32'48" S	53°08'02" W	545	1983 - 2005	76
62	Coxim	1853002	Cachoeira Pólvora	18°11'54" S	54°16'41" W	316	1971 - 2005	77
63	Coxim	1854004	Coxim	18°25'60" S	54°48'00" W		1965 - 2005	78
64	Deodápolis	2254004	Porto Wilma	22°04'29" S	54°11'19" W		1984 - 2005	79
65	Dois Irmãos do Buriti	2055002	Palmeiras - Jango	20°26'53" S	55°25'39" W	162	1971 - 2005	80
66	Dois Irmãos do Buriti	2055003	Fazenda Lajeado	20°17'29" S	55°26'41" W		1977 - 2005	81
67	Dourados	2254001	Dourados	22°23'50" S	54°47'31" W	328	1972 - 2005	82
68	Dourados	2255004	Itahum	22°05'18" S	55°21'07" W		1984 - 2005	83

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Continuação da Tabela 1.

Nº	Município	Código	Nome	Latitude	Longitude	Altitude (m)	Série (anos)	Página
69	Glória de Dourados	2254003	Glória de Dourados	22°24'18" S	54°14'06" W	528	1976 - 2005	84
70	Guia Lopes da Laguna	2156001	Jardim - CER-3	21°26'25" S	56°05'24" W		1968 - 2005	85
71	Iguatemi	2354001	Iguatemi	23°40'55" S	54°33'46" W	297	1972 - 2005	86
72	Iguatemi	2354004	Colônia Bom Jesus	23°27'02" S	54°23'22" W		1984 - 2005	87
73	Inocência	1951005	Inocência	19°44'11" S	51°55'57" W	387	1983 - 2005	88
74	Inocência	1952002	Morangas	19°33'11" S	52°09'59" W	310	1983 - 2005	89
75	Itaporã	2254005	Itaporã	22°04'32" S	54°47'01" W	282	1984 - 2005	90
76	Ivinhema	2253000	Ivinhema	22°22'59" S	53°31'51" W	341	1974 - 1998	91
77	Jaraguari	2054019	Jaraguari	20°06'06" S	54°26'01" W		1983 - 2005	92
78	Jardim	2156002	Figueira	21°30'43" S	56°42'06" W	384	1970 - 1997	93
79	Jateí	2253015	Fazenda Jangada	22°32'42" S	54°01'40" W		1984 - 2005	94
80	Juti	2354002	Flórida	22°58'13" S	54°33'48" W	307	1972 - 1998	95
81	Ladário	1957002	Corumbá	19°00'21" S	57°36'07" W		1968 - 1999	96
82	Laguna Carapã	2255003	Bocajá	22°43'50" S	55°14'27" W		1984 - 2005	97
83	Maracaju	2155000	Maracaju	21°37'02" S	55°08'11" W	394	1972 - 2005	98
84	Miranda	1956005	Bodoquena	19°51'42" S	56°59'05" W		1954 - 2005	99
85	Miranda	1956006	Porto Carreiro	19°57'00" S	56°52'60" W		1964 - 1983	100
86	Miranda	2056001	Miranda	20°14'29" S	56°22'06" W		1965 - 2005	101
87	Miranda	2056005	Guaicurus	20°06'07" S	56°47'43" W		1926 - 1997	102
88	Miranda	2056006	Miranda	20°13'60" S	56°22'60" W		1965 - 1989	103
89	Naviraí	2353048	Fazenda Vaca Branca	23°04'24" S	53°49'11" W		1984 - 2005	104
90	Naviraí	2354000	Naviraí	23°03'48" S	54°12'01" W	476	1972 - 2005	105
91	Nioaque	2155001	Nioaque - 3RI	21°08'58" S	55°49'27" W		1968 - 2005	106
92	Nova Andradina	2153000	Porto Pindaíba	21°36'52" S	53°03'04" W	293	1972 - 2005	107
93	Nova Andradina	2153003	Xavante	21°58'55" S	53°26'23" W		1984 - 1997	108
94	Paranaíba	1951003	Fazenda Pindorama	19°23'26" S	51°36'31" W	504	1983 - 2005	109
95	Paranaíba	1951004	Árvore Grande	19°13'45" S	51°52'30" W	466	1983 - 2005	110
96	Paranhos	2355002	Porto São Domingos	23°38'56" S	55°23'29" W		1984 - 2005	111
97	Pedro Gomes	1754004	Pedro Severo	17°49'51" S	54°18'47" W	268	1971 - 2005	112
98	Pedro Gomes	1854001	Pedro Gomes	18°06'59" S	54°33'37" W	284	1968 - 2005	113
99	Ponta Porã	2255001	Ponta Porã	22°31'60" S	55°42'00" W	658	1957 - 1984	114
100	Porto Murtinho	2056007	Santa Rosa	20°55'36" S	56°59'02" W		1982 - 2005	115
101	Porto Murtinho	2157003	Santa Otília	21°11'24" S	57°02'18" W		1970 - 2005	116
102	Porto Murtinho	2157004	Porto Murtinho	21°41'37" S	57°53'07" W		1966 - 2005	117

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Continuação da Tabela 1.

Nº	Município	Código	Nome	Latitude	Longitude	Altitude (m)	Série (anos)	Página
103	Porto Murtinho	2157005	Marabá	21°41'18" S	57°21'28" W		1976 - 2005	118
104	Ribas do Rio Pardo	1953001	Vista Alegre	19°46'41" S	53°58'18" W	480	1983 - 2005	119
105	Ribas do Rio Pardo	2053000	Ribas do Rio Pardo - Cerâmica	20°26'36" S	53°45'27" W	470	1972 - 2005	120
106	Ribas do Rio Pardo	2053001	Usina Mimoso	20°40'35" S	53°34'14" W		1983 - 2005	121
107	Ribas do Rio Pardo	2153002	Passagem Ribeirão Lontra	21°24'30" S	53°36'46" W		1984 - 2005	122
108	Ribas do Rio Pardo	2153004	Lanceiro	20°58'55" S	53°38'30" W		1984 - 2005	123
109	Rio Brilhante	2154000	Aroeira	21°38'47" S	54°25'28" W	265	1972 - 2005	124
110	Rio Brilhante	2154001	Porto Rio Brilhante	21°47'47" S	54°37'21" W	293	1972 - 2005	125
111	Rio Negro	1954003	Rio Negro	19°26'22" S	54°58'60" W	228	1968 - 2005	126
112	Rio Verde de Mato Grosso	1854002	Rio Verde de Mato Grosso	18°54'36" S	54°49'56" W	340	1968 - 2005	127
113	Rio Verde de Mato Grosso	1854005	Coxim	18°30'00" S	54°55'60" W		1965 - 1978	128
114	Rio Verde de Mato Grosso	1854006	Ponte Nova	18°43'27" S	54°35'56" W		1984 - 2005	129
115	Rochedo	1954002	Rochedo	19°57'06" S	54°53'31" W	447	1967 - 2005	130
116	Santa Rita do Pardo	2053004	Campos Elíseos	20°57'39" S	53°17'16" W		1984 - 2005	131
117	Santa Rita do Pardo	2152005	Xavantina do Sul	21°17'42" S	52°48'37" W	433	1976 - 2005	132
118	Santa Rita do Pardo	2152016	Fazenda Mimosinho	21°06'00" S	52°58'60" W		1984 - 2005	133
119	São Gabriel do Oeste	1954007	São Gabriel do Oeste	19°24'46" S	54°29'26" W		1983 - 1999	134
120	Selvíria	2051045	Selvíria	20°21'45" S	51°25'39" W	424	1983 - 2005	135
121	Sidrolândia	2054002	Sidrolândia	20°55'60" S	54°58'00" W		1968 - 1983	136
122	Sidrolândia	2054021	Sidrolândia	20°57'07" S	54°58'44" W		1984 - 2005	137
123	Sidrolândia	2154007	Capão Bonito	21°10'53" S	54°44'38" W		1984 - 2005	138
124	Tacuru	2355003	Tacuru	23°38'23" S	55°01'11" W		1984 - 2005	139
125	Terenos	2054005	Jaraguá	20°29'37" S	54°48'42" W		1963 - 2005	140
126	Terenos	2054009	Santa Elisa	20°29'42" S	54°52'18" W	829	1978 - 2005	141
127	Três Lagoas	1952003	São José do Sucuriu	19°57'48" S	52°13'34" W	300	1983 - 2005	142
128	Três Lagoas	2051009	Jupiá	20°46'60" S	51°37'00" W	290	1944 - 1975	143
129	Três Lagoas	2051027	Jupiá - EFNOB	20°46'60" S	51°43'00" W	270	1944 - 1970	144
130	Três Lagoas	2051037	Jupiá	20°48'00" S	51°37'60" W	260	1971 - 2004	145
131	Três Lagoas	2052004	Garcias	20°35'54" S	52°13'10" W		1983 - 2005	146
132	Três Lagoas	2052006	Porto Galeano	20°05'37" S	52°09'35" W	380	1984 - 2005	147

Tabela 2. Precipitação decendial esperada (mm) na estação Pontal (1952001), Município de Água Clara, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°40'41" S, 52°53'47" W, 427 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	100.7	3.306	30.459	0.000	29.8	34.0	39.4	53.7	60.0	69.7	90.7	0.10	0.29	*
11-20	22	86.5	3.146	27.490	0.000	24.6	28.2	32.8	45.2	50.7	59.1	77.5	0.14	0.29	*
21-31	23	107.6	2.217	50.747	0.043	8.5	16.7	24.7	43.6	51.8	64.4	92.2	0.12	0.29	*
Fev															
01-10	22	74.8	3.853	21.360	0.091	0.0	0.0	16.3	37.7	44.0	52.8	70.4	0.09	0.29	*
11-20	22	83.2	2.379	36.650	0.045	6.4	13.8	20.3	35.2	41.5	51.1	72.3	0.09	0.29	*
21-28	22	78.4	1.554	52.864	0.045	2.1	6.5	11.2	24.0	29.9	39.5	62.0	0.11	0.29	*
Mar															
01-10	22	86.3	2.454	38.666	0.091	0.0	0.0	10.2	33.2	40.8	52.0	75.6	0.11	0.29	*
11-20	22	52.1	2.326	23.472	0.045	3.8	8.4	12.4	21.7	25.7	31.7	45.1	0.12	0.29	*
21-31	22	63.8	1.360	54.296	0.136	0.0	0.0	0.0	9.9	15.9	25.2	46.7	0.19	0.29	*
Abr															
01-10	21	29.1	1.059	33.928	0.190	0.0	0.0	0.0	0.5	3.1	7.3	17.9	0.11	0.30	*
11-20	20	34.2	0.930	40.918	0.100		0.0	0.0	3.9	6.2	10.4	21.5	0.09	0.31	*
21-30	21	17.5	1.010	33.111	0.476	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.22	0.30	*
Mai															
01-10	21	17.4	3.558	7.911	0.381	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.26	0.30	*
11-20	21	27.2	2.535	14.060	0.238	0.0	0.0	0.0	0.0	4.9	12.8	23.5	0.16	0.30	*
21-31	21	27.0	1.422	24.918	0.238	0.0	0.0	0.0	0.0	1.6	7.5	18.6	0.13	0.30	*
Jun															
01-10	23	6.4	1.429	14.615	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	23	5.9	0.758	20.057	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-30	23	7.7	1.944	11.369	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
Jul															
01-10	23	3.3	1.943	4.402	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.29	*
11-20	23	7.0	0.971	27.471	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
21-31	23	9.6	1.727	15.919	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
Ago															
01-10	22	5.7	0.918	12.376	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
11-20	22	5.9	0.895	18.232	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	22	29.8	1.157	47.294	0.455	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.17	0.29	*
Set															
01-10	22	22.8	0.817	43.852	0.364	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.10	0.29	*
11-20	22	20.0	2.007	12.161	0.182	0.0	0.0	0.0	2.8	5.8	9.4	16.4	0.08	0.29	*
21-30	22	26.5	1.076	27.100	0.091	0.0	0.0	0.4	4.2	6.2	9.5	18.0	0.06	0.29	*
Out															
01-10	22	38.5	1.598	27.866	0.136	0.0	0.0	0.0	7.5	11.4	17.2	29.9	0.09	0.29	*
11-20	22	44.9	0.996	45.093	0.000	2.3	3.2	4.7	10.0	12.9	17.9	31.1	0.11	0.29	*
21-31	22	46.7	1.642	29.796	0.045	1.5	4.3	7.2	15.0	18.6	24.3	37.4	0.15	0.29	*
Nov															
01-10	22	51.1	1.492	37.661	0.091	0.0	0.0	2.1	12.5	16.8	23.6	39.4	0.11	0.29	*
11-20	22	69.1	1.356	56.099	0.091	0.0	0.0	2.2	15.1	20.8	30.0	51.7	0.15	0.29	*
21-30	22	67.3	1.371	51.434	0.045	1.2	4.3	7.9	18.2	23.3	31.5	51.3	0.10	0.29	*
Dez															
01-10	22	68.8	2.152	37.025	0.136	0.0	0.0	0.0	19.1	26.6	37.0	58.4	0.19	0.29	*
11-20	22	107.2	1.561	68.653	0.000	13.4	17.0	21.9	37.1	44.5	56.6	85.4	0.14	0.29	*
21-31	22	74.9	1.546	48.485	0.000	9.2	11.7	15.1	25.7	30.9	39.4	59.5	0.12	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 3. Precipitação decendial esperada (mm) na estação Alto Rio Verde (1953000), Município de Água Clara, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°22'36" S, 53°34'08" W, 500 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	79.2	2.517	31.475	0.000		21.5	25.7	37.2	42.5	50.7	69.0	0.11	0.31	*
11-20	20	60.5	1.946	32.731	0.050		6.7	11.3	22.0	26.7	34.1	50.5	0.09	0.31	*
21-31	20	99.0	3.707	26.714	0.000		36.2	41.4	55.3	61.3	70.5	90.3	0.09	0.31	*
Fev															
01-10	21	73.8	2.032	36.328	0.000	13.4	16.2	19.9	30.7	35.8	43.8	62.1	0.08	0.30	*
11-20	21	77.6	1.679	48.546	0.048	1.8	7.0	12.1	25.3	31.2	40.7	62.6	0.08	0.30	*
21-28	21	57.8	1.274	45.345	0.000	5.1	6.7	9.0	16.8	20.7	27.3	43.6	0.11	0.30	*
Mar															
01-10	20	64.2	1.926	35.089	0.050		7.0	11.8	23.2	28.2	36.0	53.5	0.17	0.31	*
11-20	21	47.7	1.430	35.022	0.048	0.6	3.1	5.8	13.4	17.0	22.9	36.8	0.11	0.30	*
21-31	22	48.5	2.021	26.414	0.091	0.0	0.0	4.0	16.0	20.3	26.7	40.8	0.10	0.29	*
Abr															
01-10	21	20.0	1.418	17.398	0.190	0.0	0.0	0.0	0.9	3.5	7.0	14.3	0.12	0.30	*
11-20	21	25.6	1.931	13.281	0.000	4.4	5.3	6.6	10.3	12.1	14.9	21.4	0.12	0.30	*
21-30	21	22.9	1.338	21.108	0.190	0.0	0.0	0.0	0.9	3.7	7.5	16.0	0.10	0.30	*
Mai															
01-10	21	17.5	0.859	32.913	0.381	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.24	0.30	*
11-20	20	15.5	1.137	22.664	0.400		0.0	0.0	0.0	0.0	0.0	5.6	0.17	0.31	*
21-31	21	27.8	1.394	26.138	0.238	0.0	0.0	0.0	0.0	1.6	7.5	18.9	0.10	0.30	*
Jun															
01-10	21	5.9	1.750	7.118	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.30	*
11-20	20	6.7	0.844	22.559	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.31	*
21-30	22	4.8	5.326	3.332	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
Jul															
01-10	23	2.3	1.142	7.737	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
11-20	23	5.0	1.160	14.057	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-31	23	9.8	0.663	42.644	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
Ago															
01-10	22	4.1	1.043	9.511	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.29	*
11-20	21	4.1	1.176	14.663	0.762	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.30	*
21-31	21	16.6	1.059	32.922	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
Set															
01-10	22	15.9	1.542	16.165	0.364	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.20	0.29	*
11-20	21	15.5	1.189	18.267	0.286	0.0	0.0	0.0	0.0	0.0	2.0	8.9	0.12	0.30	*
21-30	22	30.3	1.214	32.284	0.227	0.0	0.0	0.0	0.0	2.0	7.4	19.3	0.11	0.29	*
Out															
01-10	21	29.4	1.060	29.126	0.048	0.1	0.9	2.0	5.8	7.9	11.4	20.4	0.10	0.30	*
11-20	20	39.5	1.919	24.245	0.150		0.0	0.0	8.6	13.2	19.4	32.4	0.10	0.31	*
21-31	21	48.0	3.367	14.980	0.048	5.4	11.5	15.7	24.4	27.9	33.1	43.9	0.10	0.30	*
Nov															
01-10	22	50.4	1.408	37.489	0.045	1.0	3.4	6.1	14.0	17.8	24.0	38.7	0.16	0.29	*
11-20	22	62.5	2.138	30.615	0.045	3.8	8.9	13.6	24.6	29.4	36.8	53.2	0.09	0.29	*
21-30	22	45.2	2.991	15.824	0.045	5.2	9.8	13.6	21.8	25.1	30.1	40.7	0.11	0.29	*
Dez															
01-10	21	59.3	1.595	39.060	0.048	1.2	4.9	8.6	18.5	23.0	30.3	47.2	0.09	0.30	*
11-20	20	64.6	2.524	26.921	0.050		10.6	16.1	28.0	33.0	40.4	56.7	0.11	0.31	*
21-31	19	60.0	3.446	17.415	0.000		20.9	24.1	32.6	36.3	42.0	54.3	0.13	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 4. Precipitação decendial esperada (mm) na estação Furlaneto (1953003), Município de Água Clara, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°22'36" S, 53°34'08" W, 450 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	101.2	2.590	39.094	0.000	24.0	28.2	33.5	48.3	55.0	65.4	88.5	0.11	0.30	*
11-20	21	77.3	3.797	21.364	0.048	10.4	20.7	27.6	41.5	47.0	55.0	71.7	0.09	0.30	*
21-31	22	95.4	1.397	68.242	0.000	9.9	12.8	17.0	30.1	36.7	47.5	73.8	0.12	0.29	*
Fev															
01-10	22	114.9	1.198	100.472	0.045	1.3	5.2	10.5	26.8	35.1	49.1	83.6	0.12	0.29	*
11-20	21	80.2	1.719	48.950	0.048	2.0	7.6	13.0	26.6	32.8	42.6	65.0	0.08	0.30	*
21-28	21	68.4	1.966	36.519	0.048	2.5	8.2	13.2	25.2	30.5	38.8	57.2	0.13	0.30	*
Mar															
01-10	22	65.0	2.417	26.914	0.000	14.4	17.0	20.4	29.9	34.3	41.1	56.3	0.15	0.29	*
11-20	22	55.3	4.347	13.333	0.045	10.6	17.1	21.9	31.5	35.2	40.7	52.0	0.10	0.29	*
21-31	22	57.7	2.448	25.938	0.091	0.0	0.0	6.8	22.1	27.2	34.7	50.5	0.19	0.29	*
Abr															
01-10	21	27.3	2.648	11.392	0.095	0.0	0.0	2.8	10.9	13.4	16.9	24.3	0.07	0.30	*
11-20	21	25.3	0.872	32.121	0.095	0.0	0.0	0.1	2.7	4.3	7.3	15.4	0.18	0.30	*
21-30	21	21.3	0.774	38.488	0.286	0.0	0.0	0.0	0.0	0.0	1.0	8.3	0.12	0.30	*
Mai															
01-10	21	13.5	1.740	12.492	0.381	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.11	0.30	*
11-20	21	16.5	1.142	27.524	0.476	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.26	0.30	*
21-31	22	27.7	2.145	17.752	0.273	0.0	0.0	0.0	0.0	0.0	9.4	22.2	0.19	0.29	*
Jun															
01-10	22	12.1	0.784	30.883	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
11-20	22	5.3	0.540	35.719	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-30	22	4.7	10.717	2.407	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
Jul															
01-10	22	3.0	2.902	5.721	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	22	6.8	0.658	57.089	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	22	7.3	0.746	30.693	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
Ago															
01-10	21	3.1	0.615	21.039	0.762	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
11-20	21	4.9	1.131	15.283	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
21-31	21	19.1	0.935	47.748	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.30	*
Set															
01-10	21	19.4	1.803	14.143	0.238	0.0	0.0	0.0	0.0	2.0	6.9	14.9	0.10	0.30	*
11-20	20	13.1	1.385	11.110	0.150		0.0	0.0	1.8	3.1	5.1	9.6	0.05	0.31	*
21-30	21	36.5	1.161	34.772	0.095	0.0	0.0	0.4	6.3	9.1	13.9	25.7	0.11	0.30	*
Out															
01-10	21	46.7	1.724	29.925	0.095	0.0	0.0	1.9	13.0	17.1	23.5	37.6	0.12	0.30	*
11-20	21	60.1	2.048	30.800	0.048	2.4	7.7	12.2	22.9	27.5	34.7	50.7	0.07	0.30	*
21-31	20	61.3	1.190	51.547	0.000		6.3	8.7	16.6	20.8	27.8	45.3	0.08	0.31	*
Nov															
01-10	21	59.7	0.953	62.668	0.000	2.7	3.9	5.7	12.5	16.3	23.0	40.6	0.09	0.30	*
11-20	21	74.0	1.310	59.268	0.048	0.7	3.9	7.7	18.9	24.4	33.5	55.5	0.10	0.30	*
21-30	20	56.4	1.194	52.463	0.100		0.0	0.0	9.8	14.3	21.7	39.9	0.16	0.31	*
Dez															
01-10	21	52.2	1.312	39.800	0.000	4.8	6.4	8.5	15.6	19.1	25.1	39.7	0.09	0.30	*
11-20	21	72.5	2.863	25.328	0.000	19.0	22.0	25.8	36.3	41.0	48.3	64.3	0.11	0.30	*
21-31	21	72.3	2.476	32.291	0.095	0.0	0.0	6.6	27.6	34.1	43.6	63.5	0.15	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 5. Precipitação decendial esperada (mm) na estação Água Clara (2052002), Município de Água Clara, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°26'42" S, 52°54'05" W, 304 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	29	89.3	2.030	43.995	0.000	16.2	19.6	24.1	37.2	43.3	53.0	75.2	0.12	0.25	*
11-20	29	78.3	1.662	48.794	0.034	5.4	9.1	13.7	26.2	32.0	41.4	63.1	0.12	0.25	*
21-31	29	92.0	1.610	59.179	0.034	5.9	10.2	15.4	30.0	36.8	47.8	73.5	0.10	0.25	*
Fev															
01-10	29	67.9	1.829	37.151	0.000	10.7	13.2	16.5	26.4	31.1	38.6	56.0	0.10	0.25	*
11-20	29	63.8	1.878	36.464	0.069	0.0	1.3	8.8	21.4	26.6	34.7	52.7	0.14	0.25	*
21-28	29	54.5	2.285	26.602	0.103	0.0	0.0	0.0	19.0	24.0	31.4	47.0	0.07	0.25	*
Mar															
01-10	29	71.6	1.286	55.685	0.000	6.4	8.4	11.4	21.0	25.8	34.0	54.2	0.08	0.25	*
11-20	29	47.3	1.475	35.753	0.103	0.0	0.0	0.0	10.6	14.8	21.3	36.2	0.09	0.25	*
21-31	29	51.2	1.205	47.413	0.103	0.0	0.0	0.0	8.8	12.9	19.8	36.4	0.17	0.25	*
Abr															
01-10	29	28.2	1.184	28.825	0.172	0.0	0.0	0.0	1.8	4.5	8.8	18.9	0.12	0.25	*
11-20	29	31.2	1.511	26.010	0.207	0.0	0.0	0.0	0.0	5.0	10.8	22.7	0.08	0.25	*
21-30	29	26.4	1.156	31.579	0.276	0.0	0.0	0.0	0.0	0.0	3.8	15.1	0.13	0.25	*
Mai															
01-10	30	28.1	1.239	37.839	0.400	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.18	0.25	*
11-20	30	25.8	0.874	40.169	0.267	0.0	0.0	0.0	0.0	0.0	2.4	12.0	0.13	0.25	*
21-31	30	28.5	1.078	30.474	0.133	0.0	0.0	0.0	3.1	5.3	9.2	18.8	0.19	0.25	*
Jun															
01-10	30	12.1	0.703	30.460	0.433	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.13	0.25	*
11-20	30	7.9	1.347	11.697	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.25	*
21-30	30	7.6	0.894	18.128	0.533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
Jul															
01-10	30	6.1	1.794	7.794	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
11-20	30	10.6	1.688	14.488	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.25	*
21-31	30	9.6	0.554	37.256	0.533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
Ago															
01-10	29	6.3	1.014	12.765	0.517	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.25	*
11-20	29	7.7	0.591	31.340	0.586	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
21-31	29	14.4	1.779	19.631	0.586	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.25	*
Set															
01-10	29	24.2	1.253	29.478	0.345	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.17	0.25	*
11-20	29	29.5	1.111	30.756	0.138	0.0	0.0	0.0	3.2	5.6	9.6	19.7	0.09	0.25	*
21-30	29	23.3	1.095	22.056	0.034	0.5	1.2	2.1	5.1	6.7	9.5	16.5	0.08	0.25	*
Out															
01-10	29	28.5	1.521	20.118	0.069	0.0	0.3	2.8	7.8	10.1	13.8	22.3	0.07	0.25	*
11-20	29	41.0	1.042	40.713	0.034	0.8	1.8	3.3	8.4	11.2	16.0	28.4	0.10	0.25	*
21-31	29	43.4	1.299	34.565	0.034	1.7	3.2	5.2	11.5	14.7	19.9	32.6	0.07	0.25	*
Nov															
01-10	29	40.2	2.266	17.762	0.000	8.3	9.9	12.0	17.9	20.6	24.9	34.5	0.12	0.25	*
11-20	29	51.6	1.327	38.869	0.000	4.9	6.4	8.6	15.5	19.1	25.0	39.4	0.08	0.25	*
21-30	29	44.4	1.877	24.478	0.034	3.9	6.3	9.0	16.3	19.6	24.9	36.8	0.15	0.25	*
Dez															
01-10	29	52.4	1.321	39.638	0.000	4.9	6.4	8.6	15.7	19.3	25.3	39.9	0.15	0.25	*
11-20	29	71.3	1.663	44.371	0.034	4.9	8.3	12.5	23.9	29.2	37.7	57.4	0.09	0.25	*
21-31	29	73.1	1.908	38.338	0.000	12.2	14.9	18.6	29.2	34.3	42.3	60.8	0.07	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 6. Precipitação decendial esperada (mm) na estação Fazenda Rio Verde (2052003), Município de Água Clara, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°01'00" S, 52°49'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	81.9	2.856	30.055	0.045	8.8	17.0	23.7	38.5	44.6	53.7	73.3	0.13	0.29	*
11-20	22	79.8	3.783	22.090	0.045	12.9	21.9	28.8	42.9	48.5	56.7	73.9	0.07	0.29	*
21-31	22	90.4	1.229	73.556	0.000	7.4	9.8	13.4	25.3	31.4	41.8	67.4	0.16	0.29	*
Fev															
01-10	23	71.4	2.868	24.881	0.000	18.7	21.6	25.4	35.8	40.4	47.5	63.3	0.11	0.29	*
11-20	23	94.3	1.839	53.646	0.043	5.0	11.1	17.4	33.4	40.6	52.0	77.8	0.12	0.29	*
21-28	23	55.2	1.834	34.627	0.130	0.0	0.0	0.0	13.5	19.1	27.3	44.9	0.15	0.29	*
Mar															
01-10	23	69.0	2.157	36.767	0.130	0.0	0.0	0.0	19.9	27.2	37.4	58.6	0.12	0.29	*
11-20	23	55.0	2.038	29.584	0.087	0.0	0.0	5.6	18.5	23.3	30.6	46.3	0.10	0.29	*
21-31	23	48.6	2.129	27.621	0.174	0.0	0.0	0.0	8.8	15.8	24.3	40.8	0.12	0.29	*
Abr															
01-10	23	35.4	1.249	34.290	0.174	0.0	0.0	0.0	2.5	6.1	11.5	24.3	0.14	0.29	*
11-20	23	33.6	1.709	22.623	0.130	0.0	0.0	0.0	7.5	10.9	15.9	26.8	0.13	0.29	*
21-30	23	26.0	1.057	33.281	0.261	0.0	0.0	0.0	0.0	0.0	3.8	14.4	0.14	0.29	*
Mai															
01-10	23	19.4	1.496	19.900	0.348	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.13	0.29	*
11-20	23	26.6	1.086	33.146	0.261	0.0	0.0	0.0	0.0	0.0	4.1	15.0	0.10	0.29	*
21-31	23	31.5	1.454	27.676	0.217	0.0	0.0	0.0	0.0	3.9	10.0	22.3	0.16	0.29	*
Jun															
01-10	23	6.8	1.500	14.995	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	23	7.6	0.850	22.902	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
21-30	23	7.3	1.303	14.291	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
Jul															
01-10	23	5.6	1.154	12.395	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
11-20	23	5.6	1.289	14.367	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
21-31	23	10.7	0.843	26.559	0.522	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
Ago															
01-10	21	8.3	0.868	19.992	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
11-20	21	6.6	1.203	14.320	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
21-31	21	18.5	1.583	22.277	0.476	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.21	0.30	*
Set															
01-10	22	29.5	1.399	30.927	0.318	0.0	0.0	0.0	0.0	0.0	2.0	17.7	0.13	0.29	*
11-20	22	22.4	1.857	15.627	0.227	0.0	0.0	0.0	0.0	3.4	8.6	17.5	0.11	0.29	*
21-30	22	28.8	1.119	33.289	0.227	0.0	0.0	0.0	0.0	1.5	6.3	17.5	0.17	0.29	*
Out															
01-10	22	30.6	1.781	20.980	0.182	0.0	0.0	0.0	3.5	7.9	13.3	24.2	0.08	0.29	*
11-20	22	47.0	1.845	29.500	0.136	0.0	0.0	0.0	11.0	16.0	23.1	38.2	0.14	0.29	*
21-31	22	32.0	1.990	18.639	0.136	0.0	0.0	0.0	8.2	11.6	16.5	26.6	0.12	0.29	*
Nov															
01-10	21	46.6	2.598	18.839	0.048	3.3	8.3	12.2	20.7	24.2	29.5	41.1	0.06	0.30	*
11-20	21	57.2	1.599	39.534	0.095	0.0	0.0	1.9	14.8	19.7	27.5	45.1	0.14	0.30	*
21-30	21	51.2	1.802	31.394	0.095	0.0	0.0	2.3	14.9	19.5	26.4	41.7	0.11	0.30	*
Dez															
01-10	21	56.5	1.543	38.421	0.048	1.0	4.3	7.8	17.0	21.3	28.3	44.5	0.10	0.30	*
11-20	21	73.6	1.642	44.846	0.000	10.0	12.5	16.0	26.5	31.6	39.9	59.3	0.13	0.30	*
21-31	22	76.4	4.197	19.073	0.045	14.1	22.9	29.5	42.9	48.1	55.8	71.6	0.11	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 7. Precipitação decendial esperada (mm) na estação Amambai (2355000), Município de Amambai, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°05'58" S, 55°14'27" W, 496 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	33	50.4	2.107	23.904	0.000	9.5	11.5	14.1	21.4	24.9	30.3	42.7	0.07	0.24	*
11-20	33	45.1	1.738	28.549	0.091	0.0	0.0	2.7	13.0	16.9	22.9	36.5	0.08	0.24	*
21-31	33	61.2	1.515	40.423	0.000	7.3	9.3	12.1	20.7	24.9	31.9	48.4	0.09	0.24	*
Fev															
01-10	32	63.2	2.371	27.496	0.031	9.0	12.7	16.8	27.4	32.0	39.1	54.7	0.09	0.24	*
11-20	32	56.6	2.547	23.719	0.063	0.0	6.3	12.7	24.1	28.6	35.3	49.8	0.05	0.24	*
21-28	32	49.9	1.616	32.928	0.063	0.0	2.1	6.1	14.9	18.9	25.2	39.7	0.15	0.24	*
Mar															
01-10	32	40.4	2.010	21.422	0.063	0.0	2.9	6.8	14.6	17.8	22.8	33.9	0.04	0.24	*
11-20	32	45.2	2.175	21.429	0.031	5.6	8.2	11.1	18.5	21.9	27.0	38.5	0.05	0.24	*
21-31	32	58.4	1.268	56.732	0.188	0.0	0.0	0.0	2.4	8.9	18.4	39.9	0.17	0.24	*
Abr															
01-10	32	46.2	1.643	34.574	0.188	0.0	0.0	0.0	3.6	10.3	18.5	35.3	0.11	0.24	*
11-20	32	63.8	1.295	52.535	0.063	0.0	1.4	5.1	15.2	20.0	28.1	47.4	0.07	0.24	*
21-30	32	40.3	2.288	20.872	0.156	0.0	0.0	0.0	10.1	15.2	21.7	34.6	0.15	0.24	*
Mai															
01-10	32	43.6	1.076	46.294	0.125	0.0	0.0	0.0	5.1	8.5	14.3	28.9	0.11	0.24	*
11-20	32	55.6	1.675	42.506	0.219	0.0	0.0	0.0	0.0	8.6	20.2	42.0	0.19	0.24	*
21-31	31	53.4	0.841	75.621	0.161	0.0	0.0	0.0	1.8	5.1	11.4	29.4	0.09	0.25	*
Jun															
01-10	32	46.2	0.951	55.497	0.125	0.0	0.0	0.0	4.3	7.5	13.3	28.7	0.08	0.24	*
11-20	32	36.0	1.035	46.435	0.250	0.0	0.0	0.0	0.0	0.0	5.8	20.0	0.16	0.24	*
21-30	32	33.9	1.126	43.779	0.313	0.0	0.0	0.0	0.0	0.0	1.8	17.4	0.15	0.24	*
Jul															
01-10	31	22.4	1.743	18.099	0.290	0.0	0.0	0.0	0.0	0.0	5.0	16.0	0.12	0.25	*
11-20	31	12.2	1.201	21.048	0.516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	*
21-31	31	16.3	1.474	17.146	0.355	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.10	0.25	*
Ago															
01-10	31	24.5	1.195	28.825	0.290	0.0	0.0	0.0	0.0	0.0	2.9	13.9	0.14	0.25	*
11-20	32	26.5	0.623	68.036	0.375	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.15	0.24	*
21-31	32	35.5	0.865	69.143	0.406	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.17	0.24	*
Set															
01-10	30	44.0	1.034	55.547	0.233	0.0	0.0	0.0	0.0	1.4	8.2	25.2	0.12	0.25	*
11-20	29	31.4	1.205	29.080	0.103	0.0	0.0	0.0	5.4	7.9	12.1	22.3	0.11	0.25	*
21-30	28	44.0	1.346	35.202	0.071	0.0	0.0	3.2	10.5	14.0	19.6	33.1	0.14	0.26	*
Out															
01-10	31	55.0	1.216	48.332	0.065	0.0	0.8	3.7	12.0	16.1	23.0	39.9	0.06	0.25	*
11-20	31	76.2	1.723	44.241	0.000	11.1	13.8	17.4	28.4	33.7	42.2	62.1	0.08	0.25	*
21-31	30	70.4	2.229	32.679	0.033	8.6	12.8	17.4	29.3	34.4	42.5	60.4	0.07	0.25	*
Nov															
01-10	32	69.9	2.680	27.801	0.063	0.0	8.4	16.6	30.6	36.2	44.4	62.0	0.06	0.24	*
11-20	32	65.5	1.294	52.259	0.031	2.9	5.1	8.1	17.6	22.3	30.1	49.2	0.05	0.24	*
21-30	32	70.2	1.806	38.875	0.000	10.9	13.4	16.9	27.0	31.9	39.7	57.7	0.12	0.24	*
Dez															
01-10	32	70.8	2.026	36.049	0.031	7.9	11.7	16.1	27.7	32.9	41.1	59.6	0.09	0.24	*
11-20	32	68.5	1.920	36.835	0.031	7.0	10.5	14.7	25.8	30.9	38.9	57.1	0.06	0.24	*
21-31	32	68.4	1.618	42.290	0.000	9.1	11.4	14.6	24.3	29.1	36.8	55.0	0.13	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 8. Precipitação decendial esperada (mm) na estação Anaurilândia (2252000), Município de Anaurilândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°10'54" S, 52°43'01" W, 354 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	33	55.1	1.708	36.734	0.121	0.0	0.0	0.0	13.2	18.5	26.5	44.0	0.13	0.24	*
11-20	32	82.5	1.324	71.263	0.125	0.0	0.0	0.0	13.7	21.1	32.8	60.1	0.12	0.24	*
21-31	32	64.6	1.683	42.353	0.094	0.0	0.0	2.9	17.7	23.4	32.1	51.7	0.09	0.24	*
Fev															
01-10	32	62.2	2.295	27.106	0.000	13.0	15.5	18.7	27.8	32.0	38.6	53.4	0.11	0.24	*
11-20	32	52.6	1.285	45.185	0.094	0.0	0.0	1.1	10.5	14.8	21.8	38.5	0.08	0.24	*
21-28	32	37.5	1.263	33.889	0.125	0.0	0.0	0.0	5.8	9.1	14.3	26.8	0.06	0.24	*
Mar															
01-10	32	48.7	1.321	38.030	0.031	2.2	3.9	6.2	13.3	16.8	22.7	36.8	0.08	0.24	*
11-20	32	47.5	1.559	33.651	0.094	0.0	0.0	1.7	12.0	16.1	22.5	37.2	0.09	0.24	*
21-31	33	39.2	1.311	35.199	0.152	0.0	0.0	0.0	4.8	8.5	14.4	28.0	0.13	0.24	*
Abr															
01-10	33	32.9	1.551	26.905	0.212	0.0	0.0	0.0	0.0	5.0	11.4	24.2	0.15	0.24	*
11-20	33	38.8	1.182	38.652	0.152	0.0	0.0	0.0	3.9	7.3	12.9	26.4	0.10	0.24	*
21-30	33	25.5	0.801	40.362	0.212	0.0	0.0	0.0	0.0	0.8	3.6	12.4	0.09	0.24	*
Mai															
01-10	33	34.5	1.089	43.540	0.273	0.0	0.0	0.0	0.0	0.0	4.6	19.0	0.12	0.24	*
11-20	33	37.2	0.967	50.792	0.242	0.0	0.0	0.0	0.0	0.4	5.7	19.9	0.13	0.24	*
21-31	32	37.9	1.276	39.629	0.250	0.0	0.0	0.0	0.0	0.0	8.4	24.2	0.18	0.24	*
Jun															
01-10	32	23.9	0.918	37.859	0.313	0.0	0.0	0.0	0.0	0.0	0.7	10.2	0.11	0.24	*
11-20	32	21.6	1.057	31.199	0.344	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.13	0.24	*
21-30	32	15.7	1.229	17.066	0.250	0.0	0.0	0.0	0.0	0.0	3.3	9.8	0.06	0.24	*
Jul															
01-10	32	11.3	1.457	13.753	0.438	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.11	0.24	*
11-20	32	11.2	0.963	21.883	0.469	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.14	0.24	*
21-31	31	13.9	1.117	21.449	0.419	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.12	0.25	*
Ago															
01-10	32	12.5	0.873	25.461	0.438	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.18	0.24	*
11-20	31	13.5	1.051	28.345	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
21-31	31	18.9	0.842	49.643	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.25	*
Set															
01-10	32	29.2	2.402	18.500	0.344	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.18	0.24	*
11-20	32	33.7	1.127	38.283	0.219	0.0	0.0	0.0	0.0	2.4	7.9	20.8	0.16	0.24	*
21-30	32	44.0	1.123	43.217	0.094	0.0	0.0	0.5	7.3	10.7	16.3	30.5	0.11	0.24	*
Out															
01-10	32	46.8	1.013	47.688	0.031	1.0	2.0	3.7	9.4	12.5	18.0	32.1	0.07	0.24	*
11-20	31	43.7	1.693	28.591	0.097	0.0	0.0	1.3	11.9	15.8	21.7	35.0	0.09	0.25	*
21-31	30	49.8	1.613	34.299	0.100	0.0	0.0	0.0	12.7	17.1	23.9	39.3	0.09	0.25	*
Nov															
01-10	32	46.5	2.277	22.537	0.094	0.0	0.0	4.1	16.7	20.9	27.0	40.1	0.11	0.24	*
11-20	32	48.6	2.157	24.039	0.063	0.0	4.0	9.0	18.5	22.4	28.4	41.5	0.06	0.24	*
21-30	32	34.6	1.502	25.461	0.094	0.0	0.0	1.1	8.4	11.4	16.0	26.8	0.08	0.24	*
Dez															
01-10	31	45.1	1.812	26.615	0.065	0.0	2.1	6.4	14.9	18.5	24.2	37.0	0.06	0.25	*
11-20	31	64.0	2.292	28.834	0.032	8.4	12.2	16.4	27.1	31.8	39.0	55.1	0.08	0.25	*
21-31	31	73.0	2.453	30.739	0.032	10.6	15.0	20.0	32.2	37.5	45.7	63.6	0.09	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 9. Precipitação decendial esperada (mm) na estação Retiro Guarujá (2154006), Município de Angélica, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°53'59" S, 54°03'19" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	17	35.9	1.361	28.003	0.059		1.3	3.4	9.2	11.9	16.4	27.2	0.12	0.33	*
11-20	18	54.5	0.874	70.202	0.111		0.0	0.0	4.9	8.5	14.9	32.7	0.11	0.32	*
21-31	17	69.5	1.622	48.591	0.118		0.0	0.0	16.0	22.6	32.5	54.7	0.16	0.33	*
Fev															
01-10	18	51.2	1.088	52.959	0.111		0.0	0.0	7.0	11.0	17.7	34.6	0.14	0.32	*
11-20	18	49.0	1.461	37.756	0.111		0.0	0.0	10.4	14.8	21.6	37.3	0.15	0.32	*
21-28	20	35.6	0.902	43.868	0.100		0.0	0.0	3.8	6.2	10.5	22.0	0.11	0.31	*
Mar															
01-10	21	24.7	1.070	26.951	0.143	0.0	0.0	0.0	2.3	4.3	7.7	16.1	0.10	0.30	*
11-20	21	43.0	0.938	56.643	0.190	0.0	0.0	0.0	0.5	3.5	9.2	24.5	0.20	0.30	*
21-31	21	43.5	1.308	41.094	0.190	0.0	0.0	0.0	1.6	6.8	14.0	30.1	0.12	0.30	*
Abr															
01-10	21	31.1	0.888	49.061	0.286	0.0	0.0	0.0	0.0	0.0	2.1	13.9	0.19	0.30	*
11-20	21	33.5	2.302	19.099	0.238	0.0	0.0	0.0	0.0	5.2	14.7	28.1	0.16	0.30	*
21-30	21	16.5	0.952	21.455	0.190	0.0	0.0	0.0	0.2	1.4	3.6	9.5	0.10	0.30	*
Mai															
01-10	19	28.9	1.496	24.430	0.211		0.0	0.0	0.0	4.3	9.8	20.9	0.12	0.31	*
11-20	19	38.7	2.158	21.292	0.158		0.0	0.0	9.0	13.8	20.1	32.7	0.15	0.31	*
21-31	20	37.7	0.920	51.245	0.200		0.0	0.0	0.0	2.5	7.4	20.9	0.18	0.31	*
Jun															
01-10	20	23.0	1.343	26.299	0.350		0.0	0.0	0.0	0.0	0.0	12.2	0.14	0.31	*
11-20	20	21.5	0.625	49.249	0.300		0.0	0.0	0.0	0.0	0.3	6.0	0.11	0.31	*
21-30	20	13.2	1.502	14.633	0.400		0.0	0.0	0.0	0.0	0.0	6.4	0.13	0.31	*
Jul															
01-10	17	14.5	1.191	18.830	0.353		0.0	0.0	0.0	0.0	0.0	6.9	0.14	0.33	*
11-20	18	16.0	0.992	32.244	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.32	*
21-31	18	14.7	1.730	19.083	0.556		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.32	*
Ago															
01-10	18	12.0	0.742	32.347	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.32	*
11-20	19	12.8	1.354	25.721	0.632		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.31	*
21-31	18	21.5	0.770	41.928	0.333		0.0	0.0	0.0	0.0	0.0	6.8	0.12	0.32	*
Set															
01-10	18	43.1	1.224	57.595	0.389		0.0	0.0	0.0	0.0	0.0	18.0	0.21	0.32	*
11-20	17	26.8	1.070	32.801	0.235		0.0	0.0	0.0	0.9	5.2	15.6	0.12	0.33	*
21-30	18	42.9	0.966	50.003	0.111		0.0	0.0	4.8	7.8	13.2	27.3	0.17	0.32	*
Out															
01-10	18	26.4	1.072	34.140	0.278		0.0	0.0	0.0	0.0	3.2	14.2	0.17	0.32	*
11-20	17	34.2	2.118	18.310	0.118		0.0	0.0	10.5	13.8	18.7	29.0	0.09	0.33	*
21-31	18	33.8	1.700	25.571	0.222		0.0	0.0	0.0	5.0	12.3	25.6	0.18	0.32	*
Nov															
01-10	18	48.0	1.897	28.470	0.111		0.0	0.0	13.6	18.2	24.9	39.6	0.14	0.32	*
11-20	18	44.5	1.806	29.568	0.167		0.0	0.0	7.2	12.8	20.3	35.6	0.13	0.32	*
21-30	18	54.1	1.181	48.539	0.056		1.5	4.1	11.9	15.9	22.5	39.1	0.12	0.32	*
Dez															
01-10	18	64.4	1.448	50.001	0.111		0.0	0.0	13.5	19.2	28.2	48.8	0.17	0.32	*
11-20	18	48.3	1.780	27.144	0.000		9.1	11.4	18.4	21.8	27.1	39.6	0.09	0.32	*
21-31	17	42.4	3.043	15.800	0.118		0.0	0.0	17.3	21.5	27.3	38.7	0.15	0.33	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 10. Precipitação decendial esperada (mm) na estação Antônio João (2255002), Município de Antônio João, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°11'08" S, 55°56'31" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	68.8	2.308	35.040	0.150		0.0	0.0	18.5	26.7	37.6	59.3	0.15	0.31	*
11-20	20	58.6	1.353	54.125	0.200		0.0	0.0	0.0	8.6	18.7	40.8	0.20	0.31	*
21-31	20	56.6	3.144	19.999	0.100		0.0	0.0	24.9	30.0	37.3	51.8	0.12	0.31	*
Fev															
01-10	19	60.6	3.703	16.353	0.000		22.1	25.3	33.8	37.5	43.1	55.2	0.08	0.31	*
11-20	20	50.6	2.519	25.128	0.200		0.0	0.0	0.0	16.3	26.5	44.3	0.20	0.31	*
21-28	20	43.8	3.306	14.705	0.100		0.0	0.0	19.9	23.8	29.3	40.4	0.11	0.31	*
Mar															
01-10	20	52.8	1.774	33.095	0.100		0.0	0.0	14.8	19.6	26.8	42.9	0.19	0.31	*
11-20	20	45.6	1.818	26.387	0.050		4.5	7.8	15.7	19.3	24.8	37.5	0.11	0.31	*
21-31	20	50.0	2.134	27.571	0.150		0.0	0.0	12.4	18.2	26.2	42.2	0.12	0.31	*
Abr															
01-10	19	41.3	2.762	18.933	0.211		0.0	0.0	0.0	13.2	22.2	36.9	0.17	0.31	*
11-20	20	63.0	2.021	32.825	0.050		7.4	12.3	23.6	28.5	36.1	53.0	0.09	0.31	*
21-30	21	35.5	1.553	30.025	0.238	0.0	0.0	0.0	0.0	2.6	10.9	25.5	0.12	0.30	*
Mai															
01-10	21	40.1	0.998	52.754	0.238	0.0	0.0	0.0	0.0	0.8	6.7	22.1	0.20	0.30	*
11-20	21	42.4	1.355	38.667	0.190	0.0	0.0	0.0	1.7	7.0	14.1	29.8	0.17	0.30	*
21-31	21	48.7	1.597	42.667	0.286	0.0	0.0	0.0	0.0	0.0	10.2	33.5	0.18	0.30	*
Jun															
01-10	22	27.2	1.120	29.680	0.182	0.0	0.0	0.0	1.1	3.6	7.6	17.5	0.09	0.29	*
11-20	22	28.7	0.986	53.396	0.455	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.25	0.29	*
21-30	22	25.4	1.114	41.747	0.455	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.21	0.29	*
Jul															
01-10	21	20.1	1.240	22.739	0.286	0.0	0.0	0.0	0.0	0.0	2.8	11.9	0.13	0.30	*
11-20	21	2.5	0.575	30.504	0.857	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
21-31	21	13.3	2.206	15.787	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.30	*
Ago															
01-10	21	20.7	0.766	51.640	0.476	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.23	0.30	*
11-20	21	21.2	0.943	67.480	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.30	*
21-31	21	20.1	2.521	13.935	0.429	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.22	0.30	*
Set															
01-10	21	35.8	1.413	40.914	0.381	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.18	0.30	*
11-20	21	14.9	2.428	10.772	0.429	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.23	0.30	*
21-30	21	37.5	1.173	39.526	0.190	0.0	0.0	0.0	1.0	4.8	10.7	24.5	0.14	0.30	*
Out															
01-10	21	33.2	0.992	43.854	0.238	0.0	0.0	0.0	0.0	0.7	5.5	18.2	0.10	0.30	*
11-20	21	53.2	2.083	29.803	0.143	0.0	0.0	0.0	13.6	19.6	27.8	44.7	0.14	0.30	*
21-31	21	49.6	1.832	27.064	0.000	7.9	9.7	12.1	19.3	22.7	28.2	40.9	0.12	0.30	*
Nov															
01-10	21	58.0	2.006	31.935	0.095	0.0	0.0	3.4	18.7	23.9	31.7	48.6	0.11	0.30	*
11-20	21	68.9	1.539	52.201	0.143	0.0	0.0	0.0	12.0	19.1	29.5	52.7	0.15	0.30	*
21-30	20	62.9	1.288	48.824	0.000		7.4	10.0	18.4	22.7	29.9	47.6	0.10	0.31	*
Dez															
01-10	20	63.2	2.162	36.558	0.200		0.0	0.0	0.0	17.4	30.0	52.9	0.22	0.31	*
11-20	20	84.7	2.482	34.120	0.000		22.7	27.1	39.5	45.1	54.0	73.6	0.11	0.31	*
21-31	20	49.8	2.293	25.568	0.150		0.0	0.0	13.3	19.3	27.2	42.9	0.14	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 11. Precipitação decendial esperada (mm) na estação Aparecida do Taboado (2051046), Município de Aparecida do Taboado, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°04'04" S, 51°06'11" W, 390 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	82.1	2.849	28.812	0.000	21.4	24.7	29.1	41.0	46.3	54.6	72.7	0.18	0.29	*
11-20	22	62.0	1.412	43.922	0.000	6.6	8.5	11.2	19.7	24.0	31.1	48.2	0.08	0.29	*
21-31	23	71.6	1.681	42.580	0.000	10.0	12.5	15.9	26.2	31.2	39.2	58.0	0.08	0.29	*
Fev															
01-10	23	65.0	1.273	51.087	0.000	5.7	7.5	10.2	18.8	23.3	30.7	49.0	0.09	0.29	*
11-20	23	61.2	1.243	53.899	0.087	0.0	0.0	2.0	12.2	17.1	25.0	44.4	0.13	0.29	*
21-28	23	46.4	1.254	40.523	0.087	0.0	0.0	1.5	9.4	13.1	19.1	33.7	0.14	0.29	*
Mar															
01-10	23	68.5	1.580	43.331	0.000	8.7	11.0	14.2	23.9	28.6	36.4	54.7	0.10	0.29	*
11-20	23	46.8	1.905	25.695	0.043	2.7	5.8	9.0	17.1	20.6	26.2	38.9	0.15	0.29	*
21-31	23	41.2	1.279	35.232	0.087	0.0	0.0	1.4	8.5	11.8	17.2	30.2	0.10	0.29	*
Abr															
01-10	23	31.4	1.147	34.950	0.217	0.0	0.0	0.0	0.0	2.4	7.6	19.6	0.11	0.29	*
11-20	23	32.8	1.742	24.043	0.217	0.0	0.0	0.0	0.0	5.5	12.4	25.2	0.11	0.29	*
21-30	23	18.9	1.063	27.228	0.348	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.18	0.29	*
Mai															
01-10	21	16.5	1.686	13.678	0.286	0.0	0.0	0.0	0.0	0.0	3.7	11.7	0.10	0.30	*
11-20	21	20.1	0.606	46.405	0.286	0.0	0.0	0.0	0.0	0.0	0.4	5.7	0.13	0.30	*
21-31	21	22.7	0.794	37.583	0.238	0.0	0.0	0.0	0.0	0.2	2.5	10.4	0.13	0.30	*
Jun															
01-10	21	7.5	1.118	23.489	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
11-20	22	4.9	0.818	21.905	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
21-30	23	7.6	0.803	36.098	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
Jul															
01-10	23	2.4	0.950	8.365	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
11-20	23	5.0	0.976	16.678	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-31	23	4.3	1.028	13.699	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
Ago															
01-10	22	4.0	1.732	10.275	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	22	4.3	2.892	5.504	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
21-31	22	13.4	2.496	11.819	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
Set															
01-10	22	16.9	1.815	14.664	0.364	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.23	0.29	*
11-20	22	21.3	1.362	19.075	0.182	0.0	0.0	0.0	1.4	3.9	7.4	15.1	0.11	0.29	*
21-30	22	18.8	1.447	14.264	0.091	0.0	0.0	0.7	4.4	6.0	8.5	14.3	0.15	0.29	*
Out															
01-10	22	19.8	1.401	14.773	0.045	0.4	1.3	2.4	5.5	6.9	9.4	15.2	0.17	0.29	*
11-20	22	27.5	1.748	18.250	0.136	0.0	0.0	0.0	6.1	8.9	13.1	22.0	0.07	0.29	*
21-31	22	44.5	1.567	31.201	0.091	0.0	0.0	2.1	11.5	15.3	21.2	34.9	0.08	0.29	*
Nov															
01-10	22	33.5	1.817	20.256	0.091	0.0	0.0	2.2	10.0	13.0	17.4	27.4	0.08	0.29	*
11-20	22	37.3	1.090	34.176	0.000	2.3	3.2	4.6	9.2	11.7	15.9	26.7	0.15	0.29	*
21-30	22	35.1	1.245	31.050	0.091	0.0	0.0	0.9	6.9	9.7	14.3	25.4	0.06	0.29	*
Dez															
01-10	22	54.1	1.620	33.382	0.000	7.2	9.0	11.5	19.3	23.0	29.1	43.5	0.11	0.29	*
11-20	22	66.5	2.698	24.636	0.000	16.4	19.1	22.7	32.4	36.7	43.5	58.5	0.13	0.29	*
21-31	22	62.6	2.002	31.290	0.000	11.1	13.5	16.7	25.8	30.1	37.0	52.6	0.13	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 12. Precipitação decendial esperada (mm) na estação Iguaçu (1955000), Município de Aquidauana, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°56'35" S, 55°47'32" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	88.0	1.326	66.329	0.000	8.3	10.9	14.6	26.5	32.5	42.6	67.1	0.10	0.29	*
11-20	23	69.2	1.143	60.517	0.000	4.8	6.6	9.2	18.0	22.6	30.5	50.3	0.14	0.29	*
21-31	23	60.8	3.720	17.097	0.043	10.7	16.8	21.9	32.6	36.8	43.1	56.2	0.12	0.29	*
Fev															
01-10	24	99.6	0.768	135.408	0.042	0.3	1.2	3.2	12.3	18.0	28.7	59.1	0.12	0.28	*
11-20	24	61.6	1.882	41.326	0.208	0.0	0.0	0.0	0.0	13.2	25.7	49.0	0.18	0.28	*
21-28	24	38.7	0.943	46.901	0.125	0.0	0.0	0.0	3.5	6.2	11.1	23.9	0.10	0.28	*
Mar															
01-10	24	44.6	1.371	37.214	0.125	0.0	0.0	0.0	7.8	11.9	18.2	33.0	0.12	0.28	*
11-20	24	43.3	1.508	32.814	0.125	0.0	0.0	0.0	8.6	12.7	19.0	33.1	0.11	0.28	*
21-31	24	38.2	0.931	49.282	0.167	0.0	0.0	0.0	1.5	4.2	9.1	22.4	0.14	0.28	*
Abr															
01-10	24	32.4	0.914	47.262	0.250	0.0	0.0	0.0	0.0	0.0	4.1	16.3	0.09	0.28	*
11-20	24	39.8	1.171	48.008	0.292	0.0	0.0	0.0	0.0	0.0	4.4	22.2	0.18	0.28	*
21-30	24	26.5	0.953	39.254	0.292	0.0	0.0	0.0	0.0	0.0	1.8	12.5	0.21	0.28	*
Mai															
01-10	23	17.1	2.039	14.795	0.435	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.19	0.29	*
11-20	23	35.3	1.102	40.944	0.217	0.0	0.0	0.0	0.0	2.5	8.1	21.5	0.10	0.29	*
21-31	23	39.2	0.981	57.460	0.304	0.0	0.0	0.0	0.0	0.0	2.0	18.3	0.20	0.29	*
Jun															
01-10	24	13.6	0.770	30.373	0.417	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.11	0.28	*
11-20	24	14.3	1.460	26.042	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.28	*
21-30	24	8.6	1.427	16.057	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.28	*
Jul															
01-10	24	9.7	2.354	9.856	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.28	*
11-20	24	4.5	1.871	8.277	0.708	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.28	*
21-31	24	6.6	1.350	12.947	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.28	*
Ago															
01-10	24	15.2	2.016	20.118	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.28	*
11-20	24	4.2	1.075	15.557	0.750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.28	*
21-31	24	10.9	2.026	11.682	0.542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.28	*
Set															
01-10	24	22.6	1.638	23.655	0.417	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.20	0.28	*
11-20	24	19.9	0.748	37.650	0.292	0.0	0.0	0.0	0.0	0.0	0.7	7.3	0.12	0.28	*
21-30	24	34.9	1.224	34.178	0.167	0.0	0.0	0.0	2.8	6.2	11.4	23.8	0.14	0.28	*
Out															
01-10	24	24.3	0.742	46.329	0.292	0.0	0.0	0.0	0.0	0.0	0.8	8.8	0.19	0.28	*
11-20	23	36.9	1.920	22.088	0.130	0.0	0.0	0.0	9.5	13.3	18.7	30.4	0.12	0.29	*
21-31	24	50.7	2.693	19.660	0.042	6.2	10.4	14.3	23.2	27.0	32.7	44.9	0.09	0.28	*
Nov															
01-10	23	59.6	0.989	65.958	0.087	0.0	0.0	0.9	8.5	12.7	20.0	39.1	0.11	0.29	*
11-20	23	62.2	1.396	53.972	0.174	0.0	0.0	0.0	5.5	12.5	22.6	45.0	0.15	0.29	*
21-30	23	54.7	1.089	52.558	0.043	0.6	2.1	4.2	11.5	15.3	21.8	38.5	0.12	0.29	*
Dez															
01-10	23	85.6	1.157	77.404	0.043	1.1	3.8	7.5	19.3	25.4	35.8	61.6	0.09	0.29	*
11-20	23	62.4	1.485	42.024	0.000	7.2	9.2	12.0	20.7	25.1	32.2	49.1	0.15	0.29	*
21-31	23	85.5	1.088	78.561	0.000	5.4	7.4	10.4	21.0	26.7	36.4	61.1	0.10	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 13. Precipitação decendial esperada (mm) na estação Fazenda Rio Negro (1956002), Município de Aquidauana, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°34'00" S, 56°12'00" W, 106 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	11	75.6	0.923	90.030	0.091			0.6	9.2	14.3	23.4	47.7	0.20	0.41	*
11-20	12	66.3	1.170	61.773	0.083			2.2	12.5	17.5	26.0	47.0	0.14	0.40	*
21-31	12	68.9	1.568	47.895	0.083			4.8	18.4	24.2	33.3	54.1	0.18	0.40	*
Fev															
01-10	13	49.5	1.358	36.483	0.000			8.5	15.2	18.6	24.3	38.0	0.16	0.38	*
11-20	13	57.8	5.330	11.739	0.077			21.2	34.3	38.5	44.4	56.0	0.13	0.38	*
21-28	13	38.4	1.486	28.031	0.077			2.9	10.0	13.1	18.1	29.8	0.17	0.38	*
Mar															
01-10	13	47.2	1.605	31.889	0.077			4.2	13.3	17.2	23.4	37.4	0.11	0.38	*
11-20	13	65.4	1.297	50.414	0.000			10.5	19.3	23.8	31.2	49.6	0.27	0.38	*
21-31	13	43.6	0.988	52.206	0.154			0.0	2.8	6.1	11.9	26.9	0.17	0.38	*
Abr															
01-10	13	32.6	1.203	35.243	0.231			0.0	0.0	1.8	7.7	20.6	0.22	0.38	*
11-20	13	18.9	2.976	8.247	0.231			0.0	0.0	5.0	10.1	17.1	0.11	0.38	*
21-30	13	29.0	1.055	35.729	0.231			0.0	0.0	1.1	5.7	16.9	0.15	0.38	*
Mai															
01-10	14	21.3	1.670	19.807	0.357			0.0	0.0	0.0	0.0	13.1	0.21	0.37	*
11-20	14	18.6	0.594	43.923	0.286			0.0	0.0	0.0	0.3	5.1	0.16	0.37	*
21-31	14	28.5	0.754	44.045	0.143			0.0	1.1	2.6	5.6	14.9	0.16	0.37	*
Jun															
01-10	14	7.4	0.921	22.393	0.643			0.0	0.0	0.0	0.0	0.0	0.13	0.37	*
11-20	14	18.5	0.783	47.352	0.500			0.0	0.0	0.0	0.0	0.0	0.19	0.37	*
21-30	14	9.3	0.968	19.186	0.500			0.0	0.0	0.0	0.0	0.0	0.21	0.37	*
Jul															
01-10	14	6.3	1.747	6.310	0.429			0.0	0.0	0.0	0.0	3.0	0.11	0.37	*
11-20	14	9.3	1.090	19.977	0.571			0.0	0.0	0.0	0.0	0.0	0.18	0.37	*
21-31	14	7.5	0.943	22.167	0.643			0.0	0.0	0.0	0.0	0.0	0.23	0.37	*
Ago															
01-10	14	12.9	1.448	17.823	0.500			0.0	0.0	0.0	0.0	0.0	0.23	0.37	*
11-20	14	6.3	0.716	24.641	0.643			0.0	0.0	0.0	0.0	0.0	0.17	0.37	*
21-31	14	12.2	1.164	24.362	0.571			0.0	0.0	0.0	0.0	0.0	0.17	0.37	*
Set															
01-10	13	13.7	1.842	10.760	0.308			0.0	0.0	0.0	2.4	9.9	0.11	0.38	*
11-20	13	17.6	0.889	23.376	0.154			0.0	0.9	2.0	4.2	10.2	0.08	0.38	*
21-30	13	37.5	1.055	35.590	0.000			4.4	8.9	11.4	15.6	26.6	0.11	0.38	*
Out															
01-10	14	26.1	1.303	23.385	0.143			0.0	3.5	6.0	9.8	18.7	0.12	0.37	*
11-20	14	33.5	1.758	22.254	0.143			0.0	7.0	10.6	15.8	26.8	0.14	0.37	*
21-31	14	28.7	1.572	21.295	0.143			0.0	5.2	8.1	12.5	22.1	0.14	0.37	*
Nov															
01-10	13	63.2	1.034	61.155	0.000			7.1	14.7	18.8	26.0	44.4	0.15	0.38	*
11-20	13	84.2	0.811	112.593	0.077			1.1	9.0	14.0	23.5	50.0	0.17	0.38	*
21-30	13	51.1	2.518	20.302	0.000			16.6	24.0	27.4	32.7	44.5	0.15	0.38	*
Dez															
01-10	12	66.6	1.360	48.974	0.000			11.4	20.5	25.1	32.7	51.2	0.14	0.40	*
11-20	12	85.4	1.215	76.712	0.083			3.1	16.9	23.5	34.6	61.5	0.13	0.40	*
21-31	12	694.4	0.378	1838.139	0.000			3.0	19.1	34.8	73.6	235.2	0.45	0.40	
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 14. Precipitação decendial esperada (mm) na estação Entre Rios (1956003), Município de Aquidauana, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°40'41" S, 56°12'15" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	31	61.6	1.975	33.349	0.065	0.0	3.6	9.9	21.8	26.8	34.5	51.6	0.07	0.25	*
11-20	31	58.7	1.810	33.484	0.032	5.2	8.1	11.6	21.1	25.5	32.4	48.2	0.08	0.25	*
21-31	31	66.7	2.230	31.966	0.065	0.0	5.1	12.5	25.8	31.2	39.4	57.3	0.09	0.25	*
Fev															
01-10	33	48.0	2.494	21.905	0.121	0.0	0.0	0.0	16.6	21.5	28.3	42.2	0.15	0.24	*
11-20	33	56.1	1.474	44.885	0.152	0.0	0.0	0.0	8.3	14.1	22.8	42.0	0.12	0.24	*
21-28	33	43.9	1.670	27.116	0.030	3.5	5.5	8.0	14.9	18.2	23.4	35.4	0.13	0.24	*
Mar															
01-10	32	46.1	1.667	29.480	0.063	0.0	2.1	5.9	14.2	17.9	23.7	37.0	0.08	0.24	*
11-20	31	44.1	1.010	52.014	0.161	0.0	0.0	0.0	2.5	6.0	11.9	27.3	0.14	0.25	*
21-31	31	32.4	1.578	26.504	0.226	0.0	0.0	0.0	0.0	3.9	10.8	23.7	0.09	0.25	*
Abr															
01-10	31	33.5	1.023	46.139	0.290	0.0	0.0	0.0	0.0	0.0	2.9	16.9	0.13	0.25	*
11-20	31	26.2	0.973	37.986	0.290	0.0	0.0	0.0	0.0	0.0	2.0	12.6	0.19	0.25	*
21-30	31	31.7	1.318	32.437	0.258	0.0	0.0	0.0	0.0	0.0	6.8	20.4	0.17	0.25	*
Mai															
01-10	31	26.6	1.095	34.294	0.290	0.0	0.0	0.0	0.0	0.0	2.7	14.2	0.11	0.25	*
11-20	31	18.6	1.240	31.058	0.516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.25	*
21-31	31	26.4	0.922	49.327	0.419	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.19	0.25	*
Jun															
01-10	32	15.1	0.771	52.167	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.24	*
11-20	32	6.4	1.241	13.768	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.24	*
21-30	32	6.1	1.114	12.543	0.563	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.24	*
Jul															
01-10	34	7.0	1.010	14.717	0.529	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.23	*
11-20	34	2.6	0.730	11.937	0.706	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.23	*
21-31	34	3.5	1.020	11.749	0.706	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.23	*
Ago															
01-10	34	8.2	0.934	23.011	0.618	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.23	*
11-20	34	6.5	0.607	40.668	0.735	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.23	*
21-31	35	9.3	0.712	38.146	0.657	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.23	*
Set															
01-10	34	17.8	1.006	37.552	0.529	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.23	*
11-20	34	12.1	0.935	27.418	0.529	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.23	*
21-30	33	24.5	1.622	22.638	0.333	0.0	0.0	0.0	0.0	0.0	0.0	15.6	0.23	0.24	*
Out															
01-10	33	22.2	1.567	23.421	0.394	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.15	0.24	*
11-20	33	37.5	1.470	29.018	0.121	0.0	0.0	0.0	7.5	10.9	16.3	28.5	0.06	0.24	*
21-31	31	43.3	1.232	40.337	0.129	0.0	0.0	0.0	6.2	9.9	16.0	30.5	0.07	0.25	*
Nov															
01-10	33	39.0	1.270	36.179	0.152	0.0	0.0	0.0	4.5	8.1	13.9	27.4	0.10	0.24	*
11-20	32	56.6	1.622	38.500	0.094	0.0	0.0	2.3	15.0	19.9	27.5	44.8	0.11	0.24	*
21-30	32	31.9	1.898	25.572	0.344	0.0	0.0	0.0	0.0	0.0	0.0	21.9	0.22	0.24	*
Dez															
01-10	33	49.0	1.370	40.686	0.121	0.0	0.0	0.0	8.8	13.2	20.2	36.3	0.08	0.24	*
11-20	33	54.7	1.780	31.689	0.030	5.0	7.6	10.8	19.6	23.6	30.0	44.8	0.06	0.24	*
21-31	34	66.4	1.362	50.201	0.029	3.5	5.9	9.1	18.8	23.6	31.6	50.7	0.10	0.23	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 15. Precipitação decendial esperada (mm) na estação São Sebastião (1956008), Município de Aquidauana, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°21'33" S, 56°24'23" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	61.5	1.390	48.455	0.087	0.0	0.0	2.7	14.1	19.2	27.3	46.4	0.12	0.29	*
11-20	22	57.5	2.429	30.640	0.227	0.0	0.0	0.0	0.0	12.9	27.3	49.4	0.19	0.29	*
21-31	23	72.2	1.912	45.681	0.174	0.0	0.0	0.0	11.2	21.1	33.6	58.6	0.16	0.29	*
Fev															
01-10	23	39.5	1.986	22.861	0.130	0.0	0.0	0.0	10.5	14.6	20.5	32.8	0.09	0.29	*
11-20	23	72.1	2.079	38.003	0.087	0.0	0.0	7.6	24.7	31.0	40.5	61.0	0.10	0.29	*
21-28	23	31.8	2.808	14.494	0.217	0.0	0.0	0.0	0.0	9.7	17.0	28.5	0.14	0.29	*
Mar															
01-10	23	43.6	1.703	32.693	0.217	0.0	0.0	0.0	0.0	7.1	16.2	33.2	0.15	0.29	*
11-20	23	39.8	2.156	22.362	0.174	0.0	0.0	0.0	7.4	13.1	20.1	33.6	0.19	0.29	*
21-31	23	37.6	1.881	25.516	0.217	0.0	0.0	0.0	0.0	7.1	15.2	29.7	0.19	0.29	*
Abr															
01-10	23	22.3	1.609	26.508	0.478	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.24	0.29	*
11-20	23	33.6	2.176	22.191	0.304	0.0	0.0	0.0	0.0	0.0	8.1	26.2	0.23	0.29	*
21-30	23	17.8	1.888	18.069	0.478	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.20	0.29	*
Mai															
01-10	21	9.3	5.446	5.108	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.30	*
11-20	21	13.6	0.996	35.852	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.30	*
21-31	21	20.5	2.186	16.425	0.429	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.21	0.30	*
Jun															
01-10	23	9.7	0.421	87.875	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	22	7.9	1.320	32.803	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
21-30	22	7.1	2.280	8.580	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
Jul															
01-10	22	6.0	2.874	6.576	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
11-20	22	6.7	3.604	6.840	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
21-31	22	3.7	0.772	21.278	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
Ago															
01-10	22	9.1	0.920	36.291	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
11-20	22	4.4	0.911	26.414	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
21-31	22	6.7	0.610	30.332	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
Set															
01-10	23	14.3	1.452	22.648	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
11-20	23	13.9	3.719	10.708	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.29	*
21-30	23	26.8	3.205	12.816	0.348	0.0	0.0	0.0	0.0	0.0	0.0	23.4	0.24	0.29	*
Out															
01-10	22	18.6	1.572	17.323	0.318	0.0	0.0	0.0	0.0	0.0	1.7	12.0	0.14	0.29	*
11-20	22	31.1	1.138	40.071	0.318	0.0	0.0	0.0	0.0	0.0	1.2	15.9	0.18	0.29	*
21-31	21	28.3	1.450	25.626	0.238	0.0	0.0	0.0	0.0	1.8	8.0	19.7	0.14	0.30	*
Nov															
01-10	22	45.7	1.277	52.506	0.318	0.0	0.0	0.0	0.0	0.0	2.5	25.6	0.25	0.29	*
11-20	22	38.3	1.769	25.035	0.136	0.0	0.0	0.0	8.5	12.5	18.3	30.7	0.10	0.29	*
21-30	22	43.7	1.890	29.891	0.227	0.0	0.0	0.0	0.0	6.9	17.1	34.4	0.20	0.29	*
Dez															
01-10	21	55.0	1.538	46.913	0.238	0.0	0.0	0.0	0.0	4.0	16.7	39.3	0.21	0.30	*
11-20	20	48.5	2.780	19.361	0.100		0.0	0.0	19.7	24.2	30.5	43.5	0.10	0.31	*
21-31	20	62.5	1.761	39.433	0.100		0.0	0.0	17.4	23.0	31.6	50.6	0.12	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 16. Precipitação decendial esperada (mm) na estação Cipolândia (2055001), Município de Aquidauana, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°07'37" S, 55°23'34" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	26	63.0	1.851	34.031	0.000	10.1	12.4	15.5	24.7	29.0	36.0	52.1	0.06	0.27	*
11-20	26	40.2	1.643	25.462	0.038	2.3	4.3	6.7	13.2	16.2	21.1	32.3	0.05	0.27	*
21-31	26	60.4	2.414	26.025	0.038	7.1	11.3	15.7	26.1	30.6	37.5	52.6	0.08	0.27	*
Fev															
01-10	26	42.3	1.933	21.908	0.000	7.2	8.8	10.9	17.1	20.0	24.6	35.3	0.07	0.27	*
11-20	26	48.5	1.880	27.958	0.077	0.0	0.0	5.8	15.8	19.9	26.2	40.1	0.19	0.27	*
21-28	26	39.5	1.358	31.516	0.077	0.0	0.0	2.5	9.3	12.4	17.6	29.7	0.08	0.27	*
Mar															
01-10	26	48.8	1.505	32.422	0.000	5.8	7.3	9.5	16.4	19.8	25.3	38.5	0.08	0.27	*
11-20	26	42.0	1.567	26.819	0.000	5.3	6.7	8.6	14.6	17.5	22.2	33.5	0.13	0.27	*
21-31	26	40.7	1.564	28.220	0.077	0.0	0.0	3.5	11.2	14.5	19.8	32.0	0.13	0.27	*
Abr															
01-10	26	30.5	0.922	37.398	0.115	0.0	0.0	0.0	3.0	5.0	8.8	18.8	0.08	0.27	*
11-20	26	32.1	1.156	34.329	0.192	0.0	0.0	0.0	0.7	3.9	8.9	20.7	0.16	0.27	*
21-30	26	24.0	0.666	46.887	0.231	0.0	0.0	0.0	0.0	0.2	1.9	9.3	0.08	0.27	*
Mai															
01-10	26	22.5	0.881	34.985	0.269	0.0	0.0	0.0	0.0	0.0	2.0	10.5	0.15	0.27	*
11-20	26	23.6	0.574	56.167	0.269	0.0	0.0	0.0	0.0	0.0	0.6	6.6	0.13	0.27	*
21-31	26	46.4	0.845	64.902	0.154	0.0	0.0	0.0	2.0	4.8	10.3	25.9	0.15	0.27	*
Jun															
01-10	26	18.0	0.634	38.796	0.269	0.0	0.0	0.0	0.0	0.0	0.7	5.8	0.08	0.27	*
11-20	26	17.1	0.565	46.374	0.346	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.11	0.27	*
21-30	26	11.0	0.630	30.214	0.423	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.16	0.27	*
Jul															
01-10	26	9.8	1.101	15.352	0.423	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.12	0.27	*
11-20	26	6.0	0.828	13.495	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.08	0.27	*
21-31	27	20.0	0.759	59.389	0.556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.26	*
Ago															
01-10	27	20.3	0.696	60.538	0.519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.26	*
11-20	28	21.3	0.526	102.910	0.607	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.26	*
21-31	28	21.6	1.298	35.763	0.536	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.26	*
Set															
01-10	28	41.0	0.990	60.976	0.321	0.0	0.0	0.0	0.0	0.0	0.7	18.3	0.16	0.26	*
11-20	26	22.7	1.041	31.470	0.308	0.0	0.0	0.0	0.0	0.0	1.2	11.0	0.09	0.27	*
21-30	26	30.5	1.721	21.912	0.192	0.0	0.0	0.0	2.0	6.9	12.5	23.7	0.17	0.27	*
Out															
01-10	26	35.0	1.071	34.035	0.038	0.6	1.5	2.8	7.3	9.8	13.9	24.5	0.14	0.27	*
11-20	26	38.4	1.180	32.562	0.000	2.9	3.9	5.4	10.3	12.9	17.3	28.3	0.09	0.27	*
21-31	26	52.8	1.624	32.514	0.000	7.0	8.8	11.3	18.8	22.5	28.5	42.5	0.19	0.27	*
Nov															
01-10	26	64.2	1.615	44.951	0.115	0.0	0.0	0.0	15.0	20.9	30.1	50.5	0.19	0.27	*
11-20	26	54.7	1.552	38.141	0.077	0.0	0.0	4.6	14.9	19.4	26.5	42.9	0.08	0.27	*
21-30	26	39.7	1.271	32.507	0.038	1.1	2.5	4.4	10.2	13.1	17.9	29.6	0.06	0.27	*
Dez															
01-10	26	58.3	3.139	18.560	0.000	16.5	18.9	22.1	30.4	34.1	39.8	52.2	0.08	0.27	*
11-20	26	41.3	2.382	18.043	0.038	4.8	7.6	10.6	17.7	20.8	25.5	35.9	0.09	0.27	*
21-31	26	59.7	1.853	34.888	0.077	0.0	0.0	6.9	19.2	24.2	31.9	49.2	0.07	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 17. Precipitação decendial esperada (mm) na estação Taboco (2055004), Município de Aquidauana, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°04'13" S, 55°38'39" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	25	72.3	1.399	58.682	0.120	0.0	0.0	0.0	13.6	20.1	30.3	53.9	0.10	0.27	*
11-20	25	63.4	1.379	52.284	0.120	0.0	0.0	0.0	11.7	17.4	26.3	47.1	0.09	0.27	*
21-31	25	63.3	1.993	36.114	0.120	0.0	0.0	0.0	18.0	24.3	33.4	52.8	0.13	0.27	*
Fev															
01-10	26	54.2	2.244	26.185	0.077	0.0	0.0	8.5	20.4	24.9	31.8	46.7	0.08	0.27	*
11-20	26	54.9	2.672	24.267	0.154	0.0	0.0	0.0	16.5	23.4	32.1	48.9	0.16	0.27	*
21-28	26	41.5	1.329	38.653	0.192	0.0	0.0	0.0	1.3	6.5	13.5	28.9	0.10	0.27	*
Mar															
01-10	26	48.2	1.904	29.922	0.154	0.0	0.0	0.0	10.0	15.7	23.4	39.4	0.11	0.27	*
11-20	26	44.4	1.466	34.216	0.115	0.0	0.0	0.0	9.2	13.2	19.4	33.8	0.07	0.27	*
21-31	26	42.4	1.327	41.564	0.231	0.0	0.0	0.0	0.0	3.0	11.3	28.4	0.18	0.27	*
Abr															
01-10	26	32.4	1.175	37.734	0.269	0.0	0.0	0.0	0.0	0.0	5.2	19.0	0.12	0.27	*
11-20	26	47.8	1.336	54.780	0.346	0.0	0.0	0.0	0.0	0.0	0.0	25.7	0.26	0.27	*
21-30	26	32.5	1.176	47.830	0.423	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.21	0.27	*
Mai															
01-10	26	14.3	3.039	9.382	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.27	*
11-20	25	29.7	1.272	44.851	0.480	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.20	0.27	*
21-31	25	37.8	1.416	41.705	0.360	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.22	0.27	*
Jun															
01-10	26	15.6	1.553	18.645	0.462	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.18	0.27	*
11-20	26	15.8	1.855	20.066	0.577	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.27	
21-30	26	9.1	1.536	12.806	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	*
Jul															
01-10	26	11.2	1.501	13.910	0.462	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.12	0.27	*
11-20	26	9.4	3.980	6.803	0.654	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.27	*
21-31	26	7.9	1.940	11.779	0.654	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.27	*
Ago															
01-10	26	15.1	1.040	41.876	0.654	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.27	*
11-20	26	3.0	2.950	5.350	0.808	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	*
21-31	26	11.3	1.528	17.470	0.577	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	*
Set															
01-10	26	21.7	1.440	32.668	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.27	*
11-20	26	16.6	1.449	18.583	0.385	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.18	0.27	*
21-30	26	31.3	1.541	22.937	0.115	0.0	0.0	0.0	6.9	9.8	14.2	24.2	0.10	0.27	*
Out															
01-10	26	29.8	1.519	28.316	0.308	0.0	0.0	0.0	0.0	0.0	3.8	19.2	0.14	0.27	*
11-20	26	50.9	2.186	28.835	0.192	0.0	0.0	0.0	5.4	15.1	24.8	42.8	0.17	0.27	*
21-31	26	49.0	2.057	28.162	0.154	0.0	0.0	0.0	11.2	17.1	25.0	41.0	0.11	0.27	*
Nov															
01-10	25	45.8	2.338	24.468	0.200	0.0	0.0	0.0	0.0	13.7	22.9	39.2	0.17	0.27	*
11-20	26	60.9	2.230	29.602	0.077	0.0	0.0	9.4	22.8	27.9	35.6	52.3	0.08	0.27	*
21-30	26	61.6	1.877	38.817	0.154	0.0	0.0	0.0	12.6	19.8	29.6	50.1	0.11	0.27	*
Dez															
01-10	26	79.6	2.026	39.291	0.000	14.4	17.4	21.4	33.1	38.5	47.2	66.9	0.16	0.27	*
11-20	26	62.0	1.478	47.401	0.115	0.0	0.0	0.0	12.9	18.6	27.3	47.3	0.07	0.27	*
21-31	26	95.7	1.600	67.620	0.115	0.0	0.0	0.0	22.1	30.9	44.5	75.0	0.14	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 18. Precipitação decendial esperada (mm) na estação Bandeirantes (1954005), Município de Bandeirantes, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°55'04" S, 54°21'31" W, 639 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	24	88.6	3.253	27.238	0.000	25.9	29.6	34.3	47.0	52.5	61.1	79.7	0.14	0.28	*
11-20	24	71.5	1.489	47.999	0.000	8.3	10.6	13.8	23.8	28.8	36.9	56.3	0.06	0.28	*
21-31	23	85.5	2.439	35.072	0.000	19.1	22.5	27.0	39.5	45.3	54.2	74.2	0.09	0.29	*
Fev															
01-10	24	73.0	2.511	29.082	0.000	16.8	19.8	23.6	34.3	39.1	46.7	63.6	0.08	0.28	*
11-20	24	64.3	1.448	46.313	0.042	2.1	5.0	8.6	18.6	23.4	31.3	49.8	0.18	0.28	*
21-28	24	45.5	2.057	23.082	0.042	3.5	6.6	9.7	17.6	21.1	26.4	38.4	0.06	0.28	*
Mar															
01-10	22	54.9	2.052	28.056	0.045	3.1	7.4	11.4	21.0	25.2	31.8	46.4	0.10	0.29	*
11-20	22	43.9	3.522	13.071	0.045	6.5	11.3	15.1	22.9	26.0	30.7	40.4	0.08	0.29	*
21-31	23	54.2	1.206	46.957	0.043	0.8	2.7	5.1	12.9	16.8	23.4	39.6	0.09	0.29	*
Abr															
01-10	22	32.7	1.366	27.671	0.136	0.0	0.0	0.0	5.1	8.2	12.9	23.9	0.12	0.29	*
11-20	22	28.7	3.065	11.448	0.182	0.0	0.0	0.0	7.1	12.1	17.2	26.4	0.12	0.29	*
21-30	22	33.7	1.444	30.195	0.227	0.0	0.0	0.0	0.0	3.3	10.1	23.6	0.10	0.29	*
Mai															
01-10	23	24.6	0.898	34.993	0.217	0.0	0.0	0.0	0.0	1.0	4.1	13.0	0.11	0.29	*
11-20	23	38.1	1.496	36.630	0.304	0.0	0.0	0.0	0.0	0.0	5.2	24.5	0.20	0.29	*
21-31	23	41.9	1.728	29.389	0.174	0.0	0.0	0.0	5.5	11.0	18.2	32.9	0.14	0.29	*
Jun															
01-10	23	22.4	2.460	14.947	0.391	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.23	0.29	*
11-20	23	16.3	1.457	17.164	0.348	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.12	0.29	*
21-30	23	9.0	0.868	19.968	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.14	0.29	*
Jul															
01-10	24	7.4	1.046	17.014	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.28	*
11-20	24	10.0	1.121	21.428	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.28	*
21-31	24	12.5	0.785	38.228	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.28	*
Ago															
01-10	24	13.7	0.846	35.396	0.542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.28	*
11-20	24	10.5	0.922	22.832	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.28	*
21-31	24	14.8	0.812	33.765	0.458	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.13	0.28	*
Set															
01-10	23	37.7	0.899	53.559	0.217	0.0	0.0	0.0	0.0	1.5	6.3	20.0	0.16	0.29	*
11-20	23	29.5	1.070	37.367	0.261	0.0	0.0	0.0	0.0	0.0	4.4	16.4	0.18	0.29	*
21-30	23	46.0	1.213	41.508	0.087	0.0	0.0	1.4	8.9	12.5	18.5	33.0	0.15	0.29	*
Out															
01-10	23	38.1	1.153	33.009	0.000	2.7	3.7	5.1	10.0	12.5	16.9	27.8	0.11	0.29	*
11-20	23	47.7	2.189	21.770	0.000	9.4	11.3	13.8	20.7	24.0	29.1	40.6	0.10	0.29	*
21-31	22	67.2	2.388	28.150	0.000	14.7	17.4	20.9	30.7	35.2	42.3	58.1	0.08	0.29	*
Nov															
01-10	21	67.7	1.581	42.837	0.000	8.6	10.9	14.1	23.7	28.4	36.0	54.1	0.08	0.30	*
11-20	23	66.2	1.936	35.737	0.043	3.9	8.4	13.0	24.4	29.4	37.4	55.2	0.09	0.29	*
21-30	23	49.6	1.624	30.558	0.000	6.6	8.3	10.6	17.7	21.1	26.7	39.9	0.09	0.29	*
Dez															
01-10	23	69.6	2.048	35.518	0.043	4.7	9.7	14.6	26.7	32.0	40.3	58.7	0.07	0.29	*
11-20	24	80.8	1.905	42.431	0.000	13.5	16.5	20.5	32.3	37.8	46.7	67.2	0.10	0.28	*
21-31	23	95.9	2.727	35.179	0.000	24.0	27.9	33.0	46.9	53.2	63.0	84.5	0.11	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 19. Precipitação decendial esperada (mm) na estação Porto Uerê (2152001), Município de Bataguassu, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°42'57" S, 52°26'14" W, 293 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	33	57.2	1.468	40.154	0.030	3.5	5.8	8.7	17.4	21.6	28.4	44.6	0.11	0.24	*
11-20	33	74.3	1.345	62.870	0.121	0.0	0.0	0.0	13.1	19.7	30.1	54.6	0.10	0.24	*
21-31	33	77.5	1.236	66.785	0.061	0.0	1.8	5.9	17.6	23.4	33.1	56.8	0.09	0.24	*
Fev															
01-10	33	50.1	1.282	40.278	0.030	2.2	3.9	6.2	13.3	16.9	22.9	37.5	0.11	0.24	*
11-20	33	57.9	1.787	38.176	0.152	0.0	0.0	0.0	11.3	17.9	27.1	46.4	0.11	0.24	*
21-28	33	42.5	1.269	38.091	0.121	0.0	0.0	0.0	6.9	10.5	16.4	30.5	0.09	0.24	*
Mar															
01-10	32	37.4	1.111	41.422	0.188	0.0	0.0	0.0	1.0	4.5	10.1	23.8	0.11	0.24	*
11-20	32	50.6	0.954	56.561	0.063	0.0	0.4	1.9	8.0	11.4	17.4	33.2	0.07	0.24	*
21-31	33	36.4	1.379	31.100	0.152	0.0	0.0	0.0	4.8	8.5	14.0	26.5	0.09	0.24	*
Abr															
01-10	33	28.3	1.245	27.783	0.182	0.0	0.0	0.0	1.5	4.5	8.9	19.3	0.10	0.24	*
11-20	33	34.6	2.022	22.585	0.242	0.0	0.0	0.0	0.0	3.5	13.4	27.7	0.14	0.24	*
21-30	33	26.4	0.784	50.475	0.333	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.13	0.24	*
Mai															
01-10	33	23.5	0.784	47.156	0.364	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.13	0.24	*
11-20	33	33.3	0.882	54.198	0.303	0.0	0.0	0.0	0.0	0.0	1.3	14.1	0.17	0.24	*
21-31	33	35.2	1.797	23.957	0.182	0.0	0.0	0.0	4.1	9.2	15.4	27.9	0.09	0.24	*
Jun															
01-10	33	24.1	0.792	47.802	0.364	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.22	0.24	*
11-20	33	15.9	1.480	23.686	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.24	
21-30	33	11.3	1.297	15.982	0.455	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.10	0.24	*
Jul															
01-10	33	10.2	1.227	19.633	0.576	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.24	*
11-20	33	8.2	1.072	14.777	0.485	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.13	0.24	*
21-31	33	13.9	0.817	31.150	0.455	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.15	0.24	*
Ago															
01-10	32	8.0	0.987	19.936	0.594	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.24	*
11-20	32	11.3	0.812	40.640	0.656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.24	*
21-31	32	14.9	1.013	33.620	0.563	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.24	*
Set															
01-10	32	28.6	1.095	37.995	0.313	0.0	0.0	0.0	0.0	0.0	1.4	14.4	0.15	0.24	*
11-20	32	25.0	1.092	33.349	0.313	0.0	0.0	0.0	0.0	0.0	1.2	12.6	0.11	0.24	*
21-30	32	27.9	0.862	39.853	0.188	0.0	0.0	0.0	0.3	2.0	5.3	15.1	0.09	0.24	*
Out															
01-10	31	27.8	0.950	34.950	0.161	0.0	0.0	0.0	1.4	3.4	7.0	16.6	0.06	0.25	*
11-20	33	32.6	1.338	28.699	0.152	0.0	0.0	0.0	4.1	7.3	12.2	23.5	0.07	0.24	*
21-31	32	43.0	1.868	26.313	0.125	0.0	0.0	0.0	11.1	15.4	21.7	35.2	0.12	0.24	*
Nov															
01-10	33	41.9	1.417	31.465	0.061	0.0	1.5	4.2	11.1	14.3	19.6	32.1	0.07	0.24	*
11-20	33	54.1	1.941	35.405	0.212	0.0	0.0	0.0	0.0	11.5	22.9	43.5	0.18	0.24	*
21-30	33	44.0	1.191	42.011	0.121	0.0	0.0	0.0	6.4	10.1	16.1	30.7	0.09	0.24	*
Dez															
01-10	33	52.1	1.436	37.447	0.030	3.0	5.1	7.7	15.5	19.3	25.6	40.4	0.11	0.24	*
11-20	33	79.3	1.204	67.876	0.030	3.0	5.4	8.8	19.7	25.3	34.8	58.2	0.05	0.24	*
21-31	33	68.2	2.108	33.337	0.030	8.3	12.0	16.3	27.5	32.5	40.3	57.8	0.06	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 20. Precipitação decendial esperada (mm) na estação Bataiporã (2253014), Município de Bataiporã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°17'54" S, 53°16'48" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	47.0	1.302	38.026	0.050		2.3	4.7	11.9	15.4	21.2	35.2	0.10	0.31	*
11-20	20	62.5	3.075	22.567	0.100		0.0	0.0	27.2	32.8	40.8	57.0	0.10	0.31	*
21-31	21	69.2	1.072	71.306	0.095	0.0	0.0	0.6	10.6	15.7	24.5	46.9	0.13	0.30	*
Fev															
01-10	20	60.4	1.813	33.332	0.000		11.6	14.6	23.4	27.5	34.2	49.8	0.14	0.31	*
11-20	20	69.3	1.799	38.535	0.000		13.2	16.6	26.6	31.4	39.1	57.0	0.09	0.31	*
21-28	20	49.2	1.676	32.605	0.100		0.0	0.0	13.0	17.4	24.2	39.3	0.13	0.31	*
Mar															
01-10	20	33.8	1.287	27.680	0.050		1.6	3.3	8.4	10.9	15.1	25.2	0.08	0.31	*
11-20	20	48.6	0.858	59.585	0.050		0.6	1.8	6.9	10.0	15.5	30.5	0.18	0.31	*
21-31	20	43.8	1.415	36.404	0.150		0.0	0.0	6.2	10.6	17.3	32.3	0.17	0.31	*
Abr															
01-10	20	18.8	0.925	23.873	0.150		0.0	0.0	1.1	2.4	4.8	11.2	0.10	0.31	*
11-20	20	39.1	1.793	27.252	0.200		0.0	0.0	0.0	8.6	16.2	30.7	0.17	0.31	*
21-30	20	25.0	1.133	25.982	0.150		0.0	0.0	2.3	4.5	8.0	16.7	0.11	0.31	*
Mai															
01-10	20	26.5	0.678	43.474	0.100		0.0	0.0	1.5	2.8	5.4	13.6	0.14	0.31	*
11-20	20	34.2	1.544	29.543	0.250		0.0	0.0	0.0	0.0	9.6	24.2	0.13	0.31	*
21-31	20	42.1	0.749	59.128	0.050		0.3	1.0	4.7	7.1	11.5	24.4	0.12	0.31	*
Jun															
01-10	20	23.0	0.979	29.426	0.200		0.0	0.0	0.0	1.8	5.0	13.3	0.09	0.31	*
11-20	20	22.8	1.059	35.803	0.400		0.0	0.0	0.0	0.0	0.0	7.5	0.16	0.31	*
21-30	21	23.6	1.505	20.553	0.238	0.0	0.0	0.0	0.0	1.6	7.0	16.7	0.12	0.30	*
Jul															
01-10	20	13.1	0.754	21.712	0.200		0.0	0.0	0.0	0.5	1.8	6.2	0.11	0.31	*
11-20	20	6.4	3.334	4.829	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.31	*
21-31	20	13.4	2.311	10.537	0.450		0.0	0.0	0.0	0.0	0.0	7.0	0.24	0.31	*
Ago															
01-10	20	14.9	1.133	20.270	0.350		0.0	0.0	0.0	0.0	0.0	6.8	0.09	0.31	*
11-20	20	15.7	1.825	21.538	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.31	*
21-31	20	24.6	0.566	62.141	0.300		0.0	0.0	0.0	0.0	0.2	5.9	0.15	0.31	*
Set															
01-10	20	31.7	2.259	21.608	0.350		0.0	0.0	0.0	0.0	0.0	23.7	0.25	0.31	*
11-20	20	22.7	1.272	20.960	0.150		0.0	0.0	2.7	4.8	8.1	16.0	0.11	0.31	*
21-30	20	48.1	0.902	53.392	0.000		2.8	4.1	9.4	12.4	17.7	31.9	0.12	0.31	*
Out															
01-10	20	29.0	1.203	24.097	0.000		3.0	4.2	7.9	9.9	13.2	21.5	0.12	0.31	*
11-20	20	44.5	1.344	36.778	0.100		0.0	0.0	9.1	12.8	18.8	33.0	0.08	0.31	*
21-31	20	43.1	1.391	36.471	0.150		0.0	0.0	5.9	10.2	16.8	31.6	0.13	0.31	*
Nov															
01-10	20	39.1	3.171	13.686	0.100		0.0	0.0	17.3	20.8	25.8	35.8	0.11	0.31	*
11-20	20	43.5	1.869	25.844	0.100		0.0	0.0	12.9	16.8	22.8	35.8	0.11	0.31	*
21-30	20	30.2	1.099	32.349	0.150		0.0	0.0	2.7	5.2	9.4	19.9	0.09	0.31	*
Dez															
01-10	21	49.1	1.063	46.190	0.000	2.9	4.1	5.8	11.8	15.0	20.6	34.8	0.10	0.30	*
11-20	21	41.4	1.158	37.525	0.048	0.2	1.6	3.4	9.2	12.2	17.2	29.7	0.07	0.30	*
21-31	21	51.3	1.759	32.238	0.095	0.0	0.0	2.2	14.6	19.2	26.1	41.6	0.12	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 21. Precipitação decendial esperada (mm) na estação Bela Vista (2256001), Município de Bela Vista, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°06'32" S, 56°31'35" W, 263 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	24	74.0	2.372	32.551	0.042	7.4	13.0	18.5	31.4	37.0	45.5	64.2	0.07	0.28	*
11-20	24	40.1	1.060	41.270	0.083	0.0	0.0	1.0	6.5	9.4	14.5	27.2	0.08	0.28	*
21-31	24	44.9	1.350	34.700	0.042	1.2	3.0	5.3	12.1	15.4	20.9	34.1	0.07	0.28	*
Fev															
01-10	24	50.4	2.163	23.314	0.000	9.9	11.8	14.4	21.8	25.2	30.7	42.9	0.07	0.28	*
11-20	24	48.6	1.569	35.394	0.125	0.0	0.0	0.0	10.2	14.9	21.9	37.7	0.12	0.28	*
21-28	24	40.7	2.319	21.067	0.167	0.0	0.0	0.0	9.2	14.8	21.7	35.0	0.15	0.28	*
Mar															
01-10	23	35.7	1.453	25.690	0.043	1.0	2.7	4.7	10.3	13.0	17.4	27.7	0.18	0.29	*
11-20	23	42.9	1.382	37.591	0.174	0.0	0.0	0.0	3.7	8.5	15.5	30.9	0.14	0.29	*
21-31	23	40.3	1.037	42.581	0.087	0.0	0.0	0.7	6.2	9.1	14.1	27.0	0.10	0.29	*
Abr															
01-10	23	42.4	1.108	48.830	0.217	0.0	0.0	0.0	0.0	3.0	9.7	25.9	0.14	0.29	*
11-20	23	37.5	1.010	42.644	0.130	0.0	0.0	0.0	3.7	6.5	11.4	24.0	0.10	0.29	*
21-30	23	42.2	0.793	61.228	0.130	0.0	0.0	0.0	2.4	4.8	9.5	23.3	0.09	0.29	*
Mai															
01-10	25	31.8	1.214	34.429	0.240	0.0	0.0	0.0	0.0	1.1	7.1	19.9	0.13	0.27	*
11-20	25	37.6	0.638	92.059	0.360	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.14	0.27	*
21-31	25	35.7	0.831	53.616	0.200	0.0	0.0	0.0	0.0	1.8	5.9	18.3	0.12	0.27	*
Jun															
01-10	25	24.7	1.478	24.582	0.320	0.0	0.0	0.0	0.0	0.0	1.7	15.3	0.17	0.27	*
11-20	25	18.9	1.038	28.440	0.360	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.09	0.27	*
21-30	24	21.7	0.927	29.520	0.208	0.0	0.0	0.0	0.0	1.2	4.1	11.9	0.11	0.28	*
Jul															
01-10	25	13.4	1.127	18.510	0.360	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.13	0.27	*
11-20	25	13.5	0.849	26.518	0.400	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.09	0.27	*
21-31	25	7.7	1.485	8.648	0.400	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.07	0.27	*
Ago															
01-10	25	16.2	0.575	54.296	0.480	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.15	0.27	*
11-20	25	15.4	1.034	28.577	0.480	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.15	0.27	*
21-31	26	20.8	0.767	41.480	0.346	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.08	0.27	*
Set															
01-10	26	27.8	0.933	38.754	0.231	0.0	0.0	0.0	0.0	0.7	4.4	14.8	0.12	0.27	*
11-20	25	24.1	1.114	28.475	0.240	0.0	0.0	0.0	0.0	0.6	4.8	14.3	0.15	0.27	*
21-30	25	36.0	2.147	20.974	0.200	0.0	0.0	0.0	0.0	9.8	17.0	30.1	0.16	0.27	*
Out															
01-10	24	33.8	0.872	44.351	0.125	0.0	0.0	0.0	2.6	4.8	8.8	20.0	0.10	0.28	*
11-20	24	38.4	1.302	35.428	0.167	0.0	0.0	0.0	3.5	7.4	13.4	27.1	0.15	0.28	*
21-31	24	61.0	2.297	26.564	0.000	12.8	15.2	18.4	27.3	31.4	37.9	52.4	0.11	0.28	*
Nov															
01-10	25	41.8	3.991	13.797	0.240	0.0	0.0	0.0	0.0	12.3	25.6	40.6	0.19	0.27	*
11-20	25	50.6	1.966	29.251	0.120	0.0	0.0	0.0	14.2	19.2	26.5	42.0	0.11	0.27	*
21-30	25	61.8	1.849	39.817	0.160	0.0	0.0	0.0	11.5	18.9	29.1	49.9	0.13	0.27	*
Dez															
01-10	25	72.4	1.598	47.167	0.040	3.5	7.1	11.4	23.1	28.5	37.3	57.7	0.11	0.27	*
11-20	25	40.5	1.781	23.716	0.040	2.5	4.8	7.4	14.1	17.2	22.1	33.2	0.05	0.27	*
21-31	25	49.1	1.252	44.560	0.120	0.0	0.0	0.0	7.8	12.0	18.8	35.0	0.14	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 22. Precipitação decendial esperada (mm) na estação Estrada MT-738 (2056003), Município de Bonito, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°45'43" S, 56°05'28" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	57.8	0.806	86.760	0.174	0.0	0.0	0.0	1.1	4.2	10.8	30.3	0.15	0.29	*
11-20	23	47.7	3.153	17.400	0.130	0.0	0.0	0.0	18.9	24.0	30.8	43.9	0.14	0.29	*
21-31	22	51.0	1.486	35.939	0.045	1.2	3.8	6.8	15.0	18.8	25.1	39.8	0.12	0.29	*
Fev															
01-10	24	41.5	0.921	47.009	0.042	0.3	1.0	2.2	6.9	9.6	14.4	27.1	0.11	0.28	*
11-20	24	65.1	1.544	50.635	0.167	0.0	0.0	0.0	8.2	15.8	26.4	49.3	0.16	0.28	*
21-28	23	32.3	0.875	42.508	0.130	0.0	0.0	0.0	2.3	4.4	8.3	19.0	0.11	0.29	*
Mar															
01-10	24	28.6	3.165	9.422	0.042	4.4	6.9	9.2	14.2	16.3	19.4	25.9	0.14	0.28	*
11-20	24	47.2	1.039	47.404	0.042	0.5	1.7	3.4	9.4	12.6	18.2	32.6	0.08	0.28	*
21-31	24	41.2	0.590	76.131	0.083	0.0	0.0	0.1	1.9	3.6	7.2	19.2	0.11	0.28	*
Abr															
01-10	25	32.2	1.795	24.887	0.280	0.0	0.0	0.0	0.0	0.0	8.4	23.7	0.14	0.27	*
11-20	25	35.4	0.609	72.565	0.200	0.0	0.0	0.0	0.0	0.6	3.1	13.5	0.15	0.27	*
21-30	25	17.7	1.220	24.119	0.400	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.18	0.27	*
Mai															
01-10	25	24.5	1.138	38.502	0.440	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.17	0.27	*
11-20	25	27.2	0.581	64.992	0.280	0.0	0.0	0.0	0.0	0.0	0.5	7.4	0.16	0.27	*
21-31	25	33.3	0.832	47.714	0.160	0.0	0.0	0.0	1.2	3.1	7.0	18.3	0.17	0.27	*
Jun															
01-10	25	20.0	1.041	34.265	0.440	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.19	0.27	*
11-20	25	29.4	0.673	60.619	0.280	0.0	0.0	0.0	0.0	0.0	1.0	9.9	0.15	0.27	*
21-30	25	7.7	0.788	18.675	0.480	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.13	0.27	*
Jul															
01-10	25	6.8	0.920	14.271	0.480	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.13	0.27	*
11-20	25	13.8	0.565	38.011	0.360	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.07	0.27	*
21-31	25	12.2	0.586	43.273	0.520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.27	*
Ago															
01-10	24	14.3	0.776	44.301	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.28	*
11-20	24	9.7	0.429	54.175	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.28	*
21-31	24	24.3	1.012	48.073	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.28	*
Set															
01-10	24	30.3	1.492	30.422	0.333	0.0	0.0	0.0	0.0	0.0	0.0	18.3	0.20	0.28	*
11-20	24	15.9	1.217	22.402	0.417	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.18	0.28	*
21-30	24	33.4	0.876	43.539	0.125	0.0	0.0	0.0	2.6	4.7	8.7	19.8	0.09	0.28	*
Out															
01-10	24	25.7	0.891	40.764	0.292	0.0	0.0	0.0	0.0	0.0	1.5	11.4	0.13	0.28	*
11-20	24	42.8	0.854	60.137	0.167	0.0	0.0	0.0	1.3	3.9	9.1	23.7	0.11	0.28	*
21-31	24	39.4	0.855	48.053	0.042	0.2	0.7	1.7	5.9	8.3	12.7	24.8	0.09	0.28	*
Nov															
01-10	24	42.7	1.326	36.792	0.125	0.0	0.0	0.0	7.1	10.9	17.0	31.1	0.08	0.28	*
11-20	23	54.1	1.066	55.567	0.087	0.0	0.0	1.1	8.7	12.7	19.5	36.8	0.09	0.29	*
21-30	24	45.9	1.277	43.093	0.167	0.0	0.0	0.0	4.0	8.6	15.7	32.0	0.17	0.28	*
Dez															
01-10	25	63.1	2.320	29.561	0.080	0.0	0.0	9.7	24.1	29.4	37.5	54.7	0.10	0.27	*
11-20	25	43.8	1.041	52.675	0.200	0.0	0.0	0.0	0.0	3.9	10.3	26.4	0.20	0.27	*
21-31	25	70.6	1.850	41.489	0.080	0.0	0.0	7.6	22.5	28.4	37.7	58.1	0.13	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 23. Precipitação decendial esperada (mm) na estação Bonito (2156000), Município de Bonito, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°06'55" S, 56°31'01" W, 242 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	26	76.8	1.168	71.269	0.077	0.0	0.0	3.3	15.0	20.8	30.5	54.6	0.11	0.27	*
11-20	26	52.2	0.929	56.146	0.000	2.2	3.2	4.8	10.6	13.9	19.7	35.1	0.16	0.27	*
21-31	26	61.6	2.608	25.572	0.077	0.0	0.0	11.7	25.7	30.8	38.4	54.5	0.11	0.27	*
Fev															
01-10	26	50.2	1.540	33.905	0.038	2.4	4.8	7.6	15.6	19.3	25.4	39.6	0.07	0.27	*
11-20	26	52.9	1.627	36.727	0.115	0.0	0.0	0.0	12.4	17.4	24.9	41.6	0.11	0.27	*
21-28	26	32.5	1.666	24.131	0.192	0.0	0.0	0.0	1.9	7.0	13.0	24.9	0.12	0.27	*
Mar															
01-10	26	43.6	1.102	41.157	0.038	0.8	2.0	3.7	9.5	12.5	17.7	30.9	0.09	0.27	*
11-20	26	44.6	2.335	21.570	0.115	0.0	0.0	0.0	15.0	19.4	25.6	38.6	0.09	0.27	*
21-31	26	51.0	1.442	43.769	0.192	0.0	0.0	0.0	2.1	9.0	17.9	36.8	0.15	0.27	*
Abr															
01-10	26	31.2	1.074	35.919	0.192	0.0	0.0	0.0	0.5	3.3	7.9	19.3	0.10	0.27	*
11-20	26	38.2	1.280	36.938	0.192	0.0	0.0	0.0	1.1	5.6	11.9	26.1	0.08	0.27	*
21-30	26	23.5	2.021	15.875	0.269	0.0	0.0	0.0	0.0	0.0	7.7	18.4	0.12	0.27	*
Mai															
01-10	27	43.6	1.203	48.966	0.259	0.0	0.0	0.0	0.0	0.0	8.1	26.4	0.12	0.26	*
11-20	27	32.7	1.735	23.113	0.185	0.0	0.0	0.0	3.1	7.9	13.8	25.6	0.11	0.26	*
21-31	27	41.8	1.487	37.959	0.259	0.0	0.0	0.0	0.0	0.0	10.5	28.7	0.15	0.26	*
Jun															
01-10	27	20.7	1.421	24.569	0.407	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.14	0.26	*
11-20	27	22.6	0.890	34.335	0.259	0.0	0.0	0.0	0.0	0.0	2.4	10.9	0.12	0.26	*
21-30	27	16.6	1.274	18.523	0.296	0.0	0.0	0.0	0.0	0.0	2.0	9.8	0.11	0.26	*
Jul															
01-10	27	12.8	1.254	19.646	0.481	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.13	0.26	*
11-20	27	13.5	1.087	23.894	0.481	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.20	0.26	*
21-31	27	12.2	0.930	29.412	0.556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.26	*
Ago															
01-10	28	18.2	0.773	43.870	0.464	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.15	0.26	*
11-20	28	6.7	2.766	7.567	0.679	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.26	*
21-31	28	26.4	1.243	45.718	0.536	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.26	*
Set															
01-10	28	25.3	2.190	19.000	0.393	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.20	0.26	*
11-20	28	33.9	1.055	39.091	0.179	0.0	0.0	0.0	1.3	4.2	9.0	21.2	0.17	0.26	*
21-30	28	39.2	1.777	26.818	0.179	0.0	0.0	0.0	4.9	10.3	17.1	31.0	0.10	0.26	*
Out															
01-10	28	45.6	0.953	49.599	0.036	0.6	1.5	2.9	8.2	11.2	16.5	30.4	0.10	0.26	*
11-20	27	38.5	1.944	23.265	0.148	0.0	0.0	0.0	8.7	13.1	19.2	31.7	0.11	0.26	*
21-31	27	57.7	1.664	37.457	0.074	0.0	0.0	5.9	17.0	21.8	29.2	46.2	0.11	0.26	*
Nov															
01-10	27	55.5	1.602	40.664	0.148	0.0	0.0	0.0	9.7	15.6	24.2	42.9	0.11	0.26	*
11-20	27	54.3	1.619	41.131	0.185	0.0	0.0	0.0	4.5	12.1	21.6	41.3	0.15	0.26	*
21-30	28	58.1	2.813	24.107	0.143	0.0	0.0	0.0	19.8	26.5	35.3	52.4	0.14	0.26	*
Dez															
01-10	27	73.2	1.490	57.666	0.148	0.0	0.0	0.0	11.5	19.0	30.2	55.2	0.14	0.26	*
11-20	27	59.7	2.621	27.967	0.185	0.0	0.0	0.0	11.3	21.9	33.0	52.9	0.18	0.26	*
21-31	27	65.6	1.990	35.604	0.074	0.0	0.0	9.1	22.7	28.1	36.5	55.0	0.08	0.26	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 24. Precipitação decendial esperada (mm) na estação Porto Velho (2152000), Município de Brasilândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°01'00" S, 52°10'60" W, 379 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	32	78.1	1.932	40.452	0.000	13.3	16.2	20.1	31.5	36.9	45.5	65.2	0.14	0.24	*
11-20	31	70.7	1.470	51.399	0.065	0.0	1.9	7.0	19.2	24.7	33.7	54.8	0.08	0.25	*
21-31	32	80.2	1.630	54.278	0.094	0.0	0.0	3.3	21.3	28.3	39.1	63.6	0.10	0.24	*
Fev															
01-10	32	61.2	1.395	46.742	0.063	0.0	1.7	5.7	15.8	20.6	28.3	46.6	0.09	0.24	*
11-20	32	50.9	1.224	42.936	0.031	1.9	3.5	5.7	12.9	16.5	22.6	37.6	0.09	0.24	*
21-28	33	40.8	1.218	40.892	0.182	0.0	0.0	0.0	2.0	6.2	12.6	27.4	0.11	0.24	*
Mar															
01-10	33	66.7	1.431	46.610	0.000	7.2	9.3	12.2	21.5	26.1	33.7	52.0	0.13	0.24	*
11-20	33	48.6	1.302	41.077	0.091	0.0	0.0	1.4	10.1	14.0	20.4	35.8	0.13	0.24	*
21-31	33	43.2	1.591	31.973	0.152	0.0	0.0	0.0	7.2	11.8	18.6	33.3	0.11	0.24	*
Abr															
01-10	33	24.7	0.922	34.087	0.212	0.0	0.0	0.0	0.0	1.2	4.5	13.5	0.10	0.24	*
11-20	33	32.0	1.386	28.239	0.182	0.0	0.0	0.0	2.2	6.0	11.3	22.9	0.08	0.24	*
21-30	33	15.1	0.753	36.725	0.455	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.17	0.24	*
Mai															
01-10	33	18.3	1.152	26.228	0.394	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.18	0.24	*
11-20	33	26.1	1.343	30.522	0.364	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.17	0.24	*
21-31	33	29.8	2.011	21.254	0.303	0.0	0.0	0.0	0.0	0.0	6.6	22.5	0.15	0.24	*
Jun															
01-10	32	14.6	1.305	18.788	0.406	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.16	0.24	*
11-20	33	12.8	0.964	29.102	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.24	*
21-30	33	10.9	0.681	31.187	0.485	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.07	0.24	*
Jul															
01-10	33	8.2	2.063	8.788	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.24	*
11-20	33	7.9	0.825	22.675	0.576	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.24	*
21-31	33	9.9	0.700	24.497	0.424	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.07	0.24	*
Ago															
01-10	31	5.0	0.787	17.852	0.645	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.25	*
11-20	31	8.1	0.602	29.959	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.25	*
21-31	31	11.7	1.015	27.549	0.581	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.25	*
Set															
01-10	30	26.2	1.114	33.654	0.300	0.0	0.0	0.0	0.0	0.0	2.2	13.8	0.16	0.25	*
11-20	30	26.2	0.847	38.618	0.200	0.0	0.0	0.0	0.0	1.4	4.5	13.6	0.10	0.25	*
21-30	30	28.0	1.279	25.303	0.133	0.0	0.0	0.0	4.1	6.6	10.6	20.0	0.07	0.25	*
Out															
01-10	31	31.9	1.924	19.057	0.129	0.0	0.0	0.0	8.3	11.6	16.3	26.3	0.11	0.25	*
11-20	32	42.8	1.305	34.954	0.063	0.0	1.0	3.5	10.3	13.5	18.9	31.9	0.12	0.24	*
21-31	32	40.8	3.111	16.156	0.188	0.0	0.0	0.0	9.0	16.9	24.5	37.6	0.14	0.24	*
Nov															
01-10	31	47.4	1.248	40.630	0.065	0.0	0.7	3.4	10.7	14.3	20.2	34.8	0.09	0.25	*
11-20	31	51.4	1.293	45.603	0.129	0.0	0.0	0.0	7.9	12.5	19.8	37.0	0.14	0.25	*
21-30	31	39.7	1.188	38.419	0.129	0.0	0.0	0.0	5.3	8.7	14.2	27.6	0.07	0.25	*
Dez															
01-10	32	49.1	2.620	19.327	0.031	8.0	11.0	14.3	22.5	26.0	31.4	43.2	0.06	0.24	*
11-20	33	75.7	2.319	33.643	0.030	10.6	14.9	19.9	32.4	37.9	46.4	65.3	0.07	0.24	*
21-31	33	81.0	1.664	50.200	0.030	6.5	10.1	14.7	27.4	33.4	43.0	65.3	0.06	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 25. Precipitação decendial esperada (mm) na estação Fazenda Boa Esperança (2152014), Município de Brasilândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°14'54" S, 52°17'17" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	87.0	1.459	59.639	0.000	9.7	12.5	16.4	28.5	34.5	44.4	68.1	0.09	0.30	*
11-20	21	82.6	1.597	51.734	0.000	10.7	13.5	17.3	29.1	34.8	44.1	66.1	0.15	0.30	*
21-31	22	88.0	1.066	82.613	0.000	5.3	7.3	10.4	21.2	27.0	37.0	62.5	0.20	0.29	*
Fev															
01-10	22	68.7	1.411	51.003	0.045	1.4	4.6	8.4	19.2	24.3	32.8	52.8	0.08	0.29	*
11-20	22	59.6	1.421	43.892	0.045	1.2	4.1	7.4	16.7	21.2	28.5	45.9	0.11	0.29	*
21-28	22	34.4	1.152	32.840	0.091	0.0	0.0	0.6	6.0	8.7	13.1	24.1	0.11	0.29	*
Mar															
01-10	22	69.5	1.087	70.351	0.091	0.0	0.0	1.1	11.2	16.4	25.2	47.6	0.07	0.29	*
11-20	22	52.1	0.965	56.616	0.045	0.2	1.3	2.9	9.2	12.6	18.7	34.8	0.10	0.29	*
21-31	22	45.5	1.266	41.618	0.136	0.0	0.0	0.0	6.3	10.4	16.9	32.3	0.10	0.29	*
Abr															
01-10	22	18.8	1.536	17.914	0.318	0.0	0.0	0.0	0.0	0.0	1.6	11.9	0.13	0.29	*
11-20	22	27.9	1.558	21.896	0.182	0.0	0.0	0.0	2.4	6.1	10.9	21.0	0.08	0.29	*
21-30	22	18.9	1.559	20.567	0.409	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.19	0.29	*
Mai															
01-10	21	34.6	1.231	36.857	0.238	0.0	0.0	0.0	0.0	1.4	8.0	21.9	0.10	0.30	*
11-20	21	33.8	0.965	49.084	0.286	0.0	0.0	0.0	0.0	0.0	2.8	16.4	0.16	0.30	*
21-31	21	26.2	1.042	32.984	0.238	0.0	0.0	0.0	0.0	0.6	4.7	14.9	0.12	0.30	*
Jun															
01-10	21	8.5	1.285	17.295	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
11-20	21	17.3	1.234	24.538	0.429	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.12	0.30	*
21-30	21	6.3	1.642	8.067	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.30	*
Jul															
01-10	21	6.1	0.932	17.308	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	*
11-20	21	5.8	0.965	14.087	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	*
21-31	21	13.7	0.990	36.236	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30	*
Ago															
01-10	20	8.2	0.975	21.111	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.31	*
11-20	20	4.2	0.905	13.343	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.31	*
21-31	20	17.4	1.052	30.082	0.450		0.0	0.0	0.0	0.0	0.0	3.3	0.12	0.31	*
Set															
01-10	21	23.0	0.878	42.288	0.381	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.13	0.30	*
11-20	21	23.5	0.827	37.327	0.238	0.0	0.0	0.0	0.0	0.2	2.8	11.2	0.08	0.30	*
21-30	21	26.7	0.733	45.024	0.190	0.0	0.0	0.0	0.1	1.2	3.8	12.6	0.11	0.30	*
Out															
01-10	20	38.0	1.185	42.717	0.250		0.0	0.0	0.0	0.0	7.5	23.1	0.14	0.31	*
11-20	21	32.9	1.130	38.213	0.238	0.0	0.0	0.0	0.0	1.0	6.7	19.8	0.16	0.30	*
21-31	21	41.5	0.837	57.891	0.143	0.0	0.0	0.0	2.2	4.7	9.6	23.4	0.17	0.30	*
Nov															
01-10	21	34.8	1.183	30.892	0.048	0.2	1.4	3.0	7.9	10.5	14.7	25.2	0.09	0.30	*
11-20	21	47.4	1.574	35.157	0.143	0.0	0.0	0.0	8.6	13.4	20.7	36.5	0.08	0.30	*
21-30	21	41.7	1.169	41.570	0.143	0.0	0.0	0.0	4.6	8.2	14.1	28.4	0.12	0.30	*
Dez															
01-10	21	52.7	1.538	35.979	0.048	0.9	4.0	7.2	15.9	19.9	26.4	41.5	0.08	0.30	*
11-20	21	57.8	1.049	57.905	0.048	0.2	1.7	3.8	11.3	15.3	22.2	39.9	0.14	0.30	*
21-31	21	60.0	1.426	46.501	0.095	0.0	0.0	1.4	13.6	18.7	26.7	45.6	0.09	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 26. Precipitação pluviométrica decendial esperada (mm) na estação Caarapó (2254000), Município de Caarapó, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°37'27" S, 54°49'28" W, 469 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	26	44.6	1.097	44.014	0.077	0.0	0.0	1.6	8.0	11.2	16.8	30.9	0.13	0.27	*
11-20	26	57.9	1.238	50.690	0.077	0.0	0.0	2.9	12.2	16.7	24.1	42.2	0.09	0.27	*
21-31	26	43.5	1.639	28.789	0.077	0.0	0.0	4.0	12.5	16.1	21.8	34.7	0.07	0.27	*
Fev															
01-10	25	44.6	2.045	21.811	0.000	8.1	9.8	12.1	18.6	21.7	26.5	37.6	0.08	0.27	*
11-20	25	55.5	2.082	27.753	0.040	4.7	8.4	12.2	21.7	25.9	32.4	47.0	0.08	0.27	*
21-28	25	45.6	0.912	52.078	0.040	0.3	1.1	2.5	7.6	10.5	15.7	29.7	0.11	0.27	*
Mar															
01-10	26	35.7	1.938	20.840	0.115	0.0	0.0	0.0	10.1	13.6	18.7	29.6	0.07	0.27	*
11-20	26	56.9	1.089	52.254	0.000	3.6	4.9	7.0	14.0	17.8	24.3	40.7	0.08	0.27	*
21-31	27	44.4	1.039	50.162	0.148	0.0	0.0	0.0	3.6	7.1	13.1	28.4	0.13	0.26	*
Abr															
01-10	26	32.1	0.826	43.861	0.115	0.0	0.0	0.0	2.4	4.4	8.1	18.5	0.07	0.27	*
11-20	26	40.1	1.939	23.364	0.115	0.0	0.0	0.0	11.4	15.2	21.0	33.2	0.17	0.27	*
21-30	26	37.9	1.230	38.179	0.192	0.0	0.0	0.0	1.0	5.2	11.3	25.4	0.15	0.27	*
Mai															
01-10	26	24.8	0.977	34.763	0.269	0.0	0.0	0.0	0.0	0.0	2.8	12.6	0.11	0.27	*
11-20	26	45.1	0.896	59.471	0.154	0.0	0.0	0.0	2.3	5.3	10.8	26.2	0.19	0.27	*
21-31	26	35.1	2.284	17.393	0.115	0.0	0.0	0.0	11.6	15.1	20.0	30.3	0.08	0.27	*
Jun															
01-10	27	31.2	0.804	45.483	0.148	0.0	0.0	0.0	1.3	3.1	6.6	16.9	0.08	0.26	*
11-20	27	22.6	0.754	42.682	0.296	0.0	0.0	0.0	0.0	0.0	0.7	8.2	0.11	0.26	*
21-30	27	21.0	0.861	31.315	0.222	0.0	0.0	0.0	0.0	0.6	3.1	10.6	0.09	0.26	*
Jul															
01-10	26	15.0	0.861	22.693	0.231	0.0	0.0	0.0	0.0	0.3	2.1	7.5	0.11	0.27	*
11-20	26	7.7	1.702	8.443	0.462	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.11	0.27	*
21-31	26	10.3	0.882	17.904	0.346	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.10	0.27	*
Ago															
01-10	27	24.4	1.069	34.222	0.333	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.18	0.26	*
11-20	26	12.1	1.377	17.597	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.27	*
21-31	26	23.3	0.645	47.026	0.231	0.0	0.0	0.0	0.0	0.1	1.7	8.7	0.11	0.27	*
Set															
01-10	27	36.3	1.653	32.959	0.333	0.0	0.0	0.0	0.0	0.0	0.0	23.5	0.19	0.26	*
11-20	27	30.1	0.797	42.548	0.111	0.0	0.0	0.0	2.2	4.0	7.4	17.1	0.12	0.26	*
21-30	27	35.2	1.011	36.206	0.037	0.5	1.3	2.5	6.9	9.3	13.4	24.1	0.14	0.26	*
Out															
01-10	27	37.5	1.195	33.906	0.074	0.0	0.0	1.9	7.6	10.5	15.2	26.9	0.07	0.26	*
11-20	27	63.6	1.494	42.593	0.000	7.4	9.5	12.3	21.2	25.6	32.9	50.1	0.12	0.26	*
21-31	27	58.3	1.839	31.683	0.000	9.3	11.4	14.3	22.7	26.8	33.2	48.1	0.07	0.26	*
Nov															
01-10	27	62.6	1.425	43.939	0.000	6.7	8.7	11.4	20.1	24.4	31.5	48.7	0.14	0.26	*
11-20	27	56.2	1.622	37.416	0.074	0.0	0.0	5.5	16.2	20.8	28.1	44.7	0.08	0.26	*
21-30	27	49.5	1.225	40.400	0.000	4.0	5.3	7.3	13.8	17.2	22.8	36.9	0.08	0.26	*
Dez															
01-10	27	59.8	1.774	35.037	0.037	4.3	7.5	11.1	21.0	25.5	32.6	49.0	0.06	0.26	*
11-20	27	48.7	1.542	32.824	0.037	2.5	4.8	7.5	15.2	18.8	24.7	38.5	0.09	0.26	*
21-31	27	52.8	2.987	18.369	0.037	8.9	12.8	16.7	25.8	29.5	35.2	47.5	0.15	0.26	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 27. Precipitação pluviométrica decendial esperada (mm) na estação Figueirão (1853001), Município de Camapuã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°43'60" S, 53°40'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	10	110.7	3.570	31.002	0.000				60.9	67.7	78.1	100.5	0.20	0.43	*
11-20	10	112.6	1.813	62.119	0.000				43.5	51.3	63.8	92.7	0.20	0.43	*
21-31	10	113.4	2.629	43.119	0.000				54.5	61.9	73.6	99.3	0.16	0.43	*
Fev															
01-10	10	92.2	2.507	36.775	0.000				43.3	49.4	59.0	80.3	0.14	0.43	*
11-20	10	63.1	3.138	20.100	0.000				32.9	36.9	43.1	56.5	0.16	0.43	*
21-28	10	74.5	3.258	22.867	0.000				39.5	44.2	51.4	67.0	0.10	0.43	*
Mar															
01-10	10	67.6	1.619	41.790	0.000				24.1	28.7	36.4	54.3	0.13	0.43	*
11-20	10	60.5	3.259	18.554	0.000				32.1	35.9	41.7	54.4	0.15	0.43	*
21-31	10	42.6	1.247	37.973	0.100				7.9	11.3	17.0	30.7	0.23	0.43	*
Abr															
01-10	10	24.3	2.968	9.090	0.100				10.3	12.5	15.7	22.0	0.16	0.43	*
11-20	10	23.5	2.348	12.490	0.200				0.0	7.0	11.8	20.1	0.22	0.43	*
21-30	10	22.1	2.240	12.332	0.200				0.0	6.3	10.7	18.7	0.13	0.43	*
Mai															
01-10	11	20.2	1.482	21.415	0.364			0.0	0.0	0.0	0.0	11.2	0.21	0.41	*
11-20	12	15.6	1.220	21.888	0.417			0.0	0.0	0.0	0.0	5.4	0.17	0.40	*
21-31	12	34.1	1.444	28.368	0.167			0.0	3.8	7.6	13.1	25.1	0.14	0.40	*
Jun															
01-10	12	18.1	0.942	28.786	0.333			0.0	0.0	0.0	0.0	7.3	0.17	0.40	*
11-20	12	6.6	0.734	17.884	0.500			0.0	0.0	0.0	0.0	0.0	0.15	0.40	*
21-30	12	9.6	5.323	3.594	0.500			0.0	0.0	0.0	0.0	0.0	0.21	0.40	*
Jul															
01-10	12	3.2	1.109	8.566	0.667			0.0	0.0	0.0	0.0	0.0	0.16	0.40	*
11-20	12	13.7	2.330	14.078	0.583			0.0	0.0	0.0	0.0	0.0	0.22	0.40	*
21-31	12	7.8	127.351	0.244	0.750			0.0	0.0	0.0	0.0	0.0	0.25	0.40	*
Ago															
01-10	12	6.0	3.354	5.381	0.667			0.0	0.0	0.0	0.0	0.0	0.20	0.40	*
11-20	12	15.2	2.070	44.123	0.833			0.0	0.0	0.0	0.0	0.0	0.21	0.40	*
21-31	12	12.0	1.060	27.234	0.583			0.0	0.0	0.0	0.0	0.0	0.24	0.40	*
Set															
01-10	12	25.1	1.683	14.892	0.000			5.6	9.2	10.9	13.7	20.3	0.11	0.40	*
11-20	12	41.6	1.476	33.808	0.167			0.0	4.9	9.5	16.2	30.9	0.16	0.40	*
21-30	12	36.7	2.252	16.299	0.000			10.9	16.2	18.7	22.6	31.4	0.13	0.40	*
Out															
01-10	12	42.7	1.279	33.364	0.000			6.7	12.4	15.3	20.2	32.2	0.15	0.40	*
11-20	12	43.8	6.641	7.199	0.083			17.4	27.9	31.0	35.2	43.4	0.15	0.40	*
21-31	12	45.6	1.269	35.899	0.000			7.1	13.2	16.3	21.5	34.3	0.23	0.40	*
Nov															
01-10	12	63.1	3.571	19.265	0.083			15.2	31.1	36.3	43.7	58.7	0.17	0.40	*
11-20	12	62.1	1.790	34.659	0.000			14.8	23.8	28.0	35.0	51.0	0.15	0.40	*
21-30	12	75.5	3.559	21.225	0.000			30.9	41.5	46.2	53.3	68.6	0.10	0.40	*
Dez															
01-10	12	80.9	2.694	30.039	0.000			27.6	39.4	44.7	52.9	71.2	0.14	0.40	*
11-20	12	104.6	3.866	27.060	0.000			44.8	59.3	65.6	75.2	95.7	0.12	0.40	*
21-31	12	92.9	4.411	21.072	0.000			42.6	55.2	60.6	68.7	86.0	0.20	0.40	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 28. Precipitação pluviométrica decendial esperada (mm) na estação Colônia Figueirão (1853005), Município de Camapuã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°40'25" S, 53°38'29" W, 530 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	103.4	2.562	40.350	0.000	24.3	28.5	33.9	49.1	55.9	66.6	90.3	0.12	0.30	*
11-20	21	95.5	1.984	48.125	0.000	16.8	20.4	25.2	39.2	45.7	56.1	80.0	0.08	0.30	*
21-31	22	84.9	1.681	50.513	0.000	11.9	14.9	18.9	31.1	37.0	46.5	68.8	0.09	0.29	*
Fev															
01-10	21	101.1	3.290	30.731	0.000	29.8	34.0	39.4	53.8	60.2	69.9	91.1	0.12	0.30	*
11-20	21	82.1	2.528	34.093	0.048	5.4	14.1	20.9	35.8	42.1	51.5	72.0	0.09	0.30	*
21-28	20	61.2	2.444	25.059	0.000		16.2	19.4	28.4	32.4	38.8	53.1	0.10	0.31	*
Mar															
01-10	21	59.1	1.247	47.383	0.000	5.0	6.6	9.0	16.8	20.8	27.6	44.3	0.07	0.30	*
11-20	21	67.3	1.759	38.278	0.000	10.1	12.5	15.7	25.5	30.1	37.6	55.1	0.10	0.30	*
21-31	21	60.3	1.691	37.458	0.048	1.4	5.5	9.5	19.7	24.4	31.8	48.7	0.08	0.30	*
Abr															
01-10	21	37.5	0.976	40.376	0.048	0.1	0.9	2.1	6.6	9.2	13.6	25.1	0.21	0.30	*
11-20	21	39.9	1.125	37.192	0.048	0.2	1.4	3.1	8.5	11.4	16.2	28.3	0.14	0.30	*
21-30	21	16.6	1.059	23.459	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.13	0.30	*
Mai															
01-10	21	21.3	1.112	23.689	0.190	0.0	0.0	0.0	0.5	2.5	5.7	13.5	0.16	0.30	*
11-20	21	20.5	0.915	33.588	0.333	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.19	0.30	*
21-31	21	25.0	1.640	22.878	0.333	0.0	0.0	0.0	0.0	0.0	0.0	16.1	0.17	0.30	*
Jun															
01-10	21	15.4	0.598	90.158	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
11-20	22	5.6	0.987	20.956	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
21-30	22	4.3	2.253	6.977	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Jul															
01-10	22	5.7	2.415	10.292	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
11-20	22	3.3	1.777	10.299	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
21-31	22	8.7	1.075	22.153	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Ago															
01-10	20	4.9	1.047	15.510	0.700		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.31	*
11-20	20	2.6	9.878	1.731	0.850		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
21-31	20	12.7	0.906	31.151	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
Set															
01-10	21	15.1	1.612	15.140	0.381	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.15	0.30	*
11-20	21	16.4	1.249	18.420	0.286	0.0	0.0	0.0	0.0	0.0	2.3	9.7	0.10	0.30	*
21-30	21	26.9	1.368	22.974	0.143	0.0	0.0	0.0	3.9	6.5	10.5	19.7	0.09	0.30	*
Out															
01-10	21	30.6	2.068	17.234	0.143	0.0	0.0	0.0	7.7	11.2	15.9	25.6	0.14	0.30	*
11-20	21	40.4	1.802	23.528	0.048	1.1	4.2	7.0	13.9	17.0	22.0	33.1	0.12	0.30	*
21-31	21	60.2	1.333	45.164	0.000	5.7	7.5	10.1	18.2	22.3	29.2	46.0	0.14	0.30	*
Nov															
01-10	21	50.7	1.485	34.106	0.000	5.8	7.5	9.7	16.8	20.3	26.1	39.8	0.10	0.30	*
11-20	21	68.5	2.016	35.675	0.048	2.7	8.5	13.6	25.8	31.0	39.3	57.6	0.10	0.30	*
21-30	21	69.4	2.675	27.244	0.048	5.1	12.8	18.6	31.3	36.5	44.4	61.5	0.09	0.30	*
Dez															
01-10	21	97.4	1.783	57.378	0.048	2.7	9.9	16.6	33.3	40.9	52.7	79.8	0.12	0.30	*
11-20	21	86.2	2.338	36.876	0.000	18.4	21.8	26.3	39.0	44.8	53.9	74.3	0.11	0.30	*
21-31	21	85.4	1.864	48.076	0.048	2.7	9.3	15.4	30.3	36.8	47.2	70.6	0.16	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 29. Precipitação pluviométrica decendial esperada (mm) na estação Jauru (1854003), Município de Camapuã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°38'57" S, 54°21'26" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	99.8	2.996	33.330	0.000	27.2	31.3	36.6	51.1	57.5	67.4	89.0	0.11	0.29	*
11-20	22	78.9	1.889	41.740	0.000	13.0	15.9	19.8	31.3	36.8	45.5	65.5	0.11	0.29	*
21-31	22	92.4	2.889	31.996	0.000	24.4	28.2	33.1	46.5	52.5	61.7	82.0	0.10	0.29	*
Fev															
01-10	20	69.1	2.377	29.074	0.000		17.8	21.4	31.5	36.1	43.4	59.7	0.06	0.31	*
11-20	21	68.7	1.409	51.211	0.048	0.9	4.3	8.2	19.0	24.2	32.6	52.8	0.08	0.30	*
21-28	22	46.7	2.013	23.181	0.000	8.4	10.1	12.5	19.3	22.5	27.6	39.2	0.15	0.29	*
Mar															
01-10	22	73.0	3.139	23.258	0.000	20.7	23.7	27.6	38.1	42.7	49.9	65.4	0.16	0.29	*
11-20	22	42.7	1.694	27.699	0.091	0.0	0.0	2.4	11.9	15.6	21.4	34.2	0.06	0.29	*
21-31	22	38.4	2.354	17.096	0.045	2.9	6.3	9.2	16.1	19.0	23.5	33.3	0.13	0.29	*
Abr															
01-10	22	25.1	0.784	37.074	0.136	0.0	0.0	0.0	1.2	2.6	5.4	13.6	0.11	0.29	*
11-20	19	23.2	0.954	25.735	0.053		0.4	1.1	3.9	5.4	8.1	15.3	0.12	0.31	*
21-30	19	14.1	0.836	21.354	0.211		0.0	0.0	0.0	0.6	2.2	7.1	0.11	0.31	*
Mai															
01-10	20	12.8	0.677	27.000	0.300		0.0	0.0	0.0	0.0	0.2	4.0	0.09	0.31	*
11-20	21	20.5	0.635	45.335	0.286	0.0	0.0	0.0	0.0	0.0	0.5	6.2	0.17	0.30	*
21-31	22	37.3	2.649	20.645	0.318	0.0	0.0	0.0	0.0	0.0	8.4	31.2	0.19	0.29	*
Jun															
01-10	22	19.7	0.769	51.258	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
11-20	23	22.8	0.617	60.697	0.391	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.13	0.29	*
21-30	23	25.8	0.693	71.285	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.19	0.29	*
Jul															
01-10	23	31.4	0.729	109.851	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
11-20	24	16.2	0.654	66.075	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.28	*
21-31	24	18.0	0.663	72.568	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.28	*
Ago															
01-10	24	22.9	0.537	92.833	0.542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.28	*
11-20	25	19.5	0.482	92.132	0.560	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.27	*
21-31	26	24.5	0.565	86.910	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.27	*
Set															
01-10	26	44.5	0.549	117.189	0.308	0.0	0.0	0.0	0.0	0.0	0.2	9.7	0.11	0.27	*
11-20	23	13.8	1.511	13.108	0.304	0.0	0.0	0.0	0.0	0.0	1.9	8.9	0.11	0.29	*
21-30	23	25.1	1.349	20.351	0.087	0.0	0.0	1.0	5.6	7.6	10.9	18.7	0.10	0.29	*
Out															
01-10	23	16.6	1.005	18.045	0.087	0.0	0.0	0.3	2.4	3.6	5.6	10.9	0.09	0.29	*
11-20	23	44.9	1.725	28.542	0.087	0.0	0.0	3.3	13.0	16.9	22.9	36.3	0.13	0.29	*
21-31	23	43.0	3.191	14.087	0.043	6.2	10.3	13.8	21.4	24.5	29.2	39.0	0.13	0.29	*
Nov															
01-10	23	40.7	1.891	22.524	0.043	2.3	5.0	7.8	14.8	17.9	22.8	33.8	0.09	0.29	*
11-20	23	51.8	1.674	32.341	0.043	2.2	5.2	8.4	17.0	21.0	27.3	41.8	0.10	0.29	*
21-30	23	50.1	1.523	34.368	0.043	1.6	4.2	7.1	15.1	18.9	25.0	39.4	0.09	0.29	*
Dez															
01-10	23	54.7	3.382	16.165	0.000	16.5	18.8	21.7	29.4	32.9	38.1	49.4	0.15	0.29	*
11-20	23	61.1	4.073	14.990	0.000	21.1	23.7	26.9	35.3	38.9	44.4	56.1	0.07	0.29	*
21-31	23	79.7	2.242	35.534	0.000	16.2	19.3	23.5	35.2	40.5	49.0	68.2	0.09	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 30. Precipitação pluviométrica decendial esperada (mm) na estação Camapuã (1954004), Município de Camapuã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°32'01" S, 54°02'08" W, 484 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	27	95.8	2.254	42.478	0.000	19.6	23.4	28.3	42.4	48.9	59.1	82.0	0.09	0.26	*
11-20	27	73.3	2.077	35.290	0.000	13.7	16.5	20.2	30.9	35.9	43.9	61.9	0.09	0.26	*
21-31	27	73.4	1.356	54.146	0.000	7.2	9.4	12.6	22.6	27.6	36.0	56.4	0.08	0.26	*
Fev															*
01-10	26	68.7	1.838	37.382	0.000	10.9	13.4	16.8	26.8	31.5	39.1	56.7	0.06	0.27	*
11-20	26	75.0	1.644	45.621	0.000	10.2	12.7	16.3	27.0	32.2	40.7	60.5	0.15	0.27	*
21-28	26	60.2	1.404	44.594	0.038	2.3	4.8	7.9	17.1	21.6	28.9	46.3	0.08	0.27	*
Mar															*
01-10	26	70.1	1.216	62.439	0.077	0.0	0.0	3.4	14.4	19.8	28.7	50.7	0.12	0.27	*
11-20	26	48.8	1.585	31.999	0.038	2.5	4.9	7.7	15.5	19.2	25.1	38.8	0.13	0.27	
21-31	26	55.3	1.387	45.106	0.115	0.0	0.0	0.0	10.6	15.5	23.3	41.3	0.14	0.27	*
Abr															*
01-10	26	38.6	1.783	25.607	0.154	0.0	0.0	0.0	7.4	11.8	18.0	30.9	0.07	0.27	*
11-20	26	24.1	1.144	27.401	0.231	0.0	0.0	0.0	0.0	1.2	5.3	14.8	0.10	0.27	*
21-30	25	26.7	0.700	59.619	0.360	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.10	0.27	*
Mai															*
01-10	27	15.2	0.988	25.917	0.407	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.18	0.26	*
11-20	27	23.6	0.843	41.936	0.333	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.12	0.26	*
21-31	26	38.6	1.326	39.783	0.269	0.0	0.0	0.0	0.0	0.0	7.5	24.4	0.18	0.27	*
Jun															*
01-10	27	14.1	1.218	24.089	0.519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.26	*
11-20	27	14.9	0.956	28.029	0.444	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.14	0.26	*
21-30	27	5.8	2.887	5.400	0.630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.26	
Jul															*
01-10	27	10.8	0.654	44.578	0.630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.26	*
11-20	27	8.1	1.191	20.405	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.26	
21-31	28	17.0	0.890	53.394	0.643	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.26	*
Ago															*
01-10	29	12.8	0.647	47.742	0.586	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	*
11-20	29	8.8	0.558	45.511	0.655	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
21-31	29	17.0	0.630	52.203	0.483	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.13	0.25	*
Set															*
01-10	29	27.8	0.708	54.141	0.276	0.0	0.0	0.0	0.0	0.0	1.2	10.1	0.09	0.25	
11-20	27	16.2	0.833	29.245	0.333	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.17	0.26	*
21-30	28	32.8	1.042	36.745	0.143	0.0	0.0	0.0	2.9	5.5	9.9	21.1	0.07	0.26	*
Out															
01-10	28	36.4	1.318	30.908	0.107	0.0	0.0	0.0	6.9	10.0	15.0	26.7	0.09	0.26	*
11-20	28	42.7	2.518	18.270	0.071	0.0	0.0	8.5	17.7	21.2	26.4	37.6	0.09	0.26	*
21-31	28	51.4	1.262	43.882	0.071	0.0	0.0	3.2	11.4	15.3	21.9	37.8	0.17	0.26	*
Nov															
01-10	28	52.8	1.498	37.941	0.071	0.0	0.0	4.7	14.2	18.4	25.2	41.0	0.13	0.26	
11-20	28	51.8	1.278	43.674	0.071	0.0	0.0	3.3	11.6	15.6	22.2	38.2	0.09	0.26	
21-30	28	39.3	1.448	29.252	0.071	0.0	0.0	3.3	10.2	13.3	18.4	30.3	0.08	0.26	
Dez															
01-10	28	62.4	1.447	46.440	0.071	0.0	0.0	5.2	16.1	21.1	29.2	48.0	0.11	0.26	
11-20	28	54.1	1.689	33.237	0.036	3.7	6.4	9.6	18.3	22.3	28.8	43.8	0.11	0.26	
21-31	28	67.9	1.658	42.461	0.036	4.4	7.7	11.7	22.6	27.7	35.8	54.6	0.11	0.26	
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

[1]Valores de máxima divergência do Teste Kolmogorov-Smirnov.
[2]Nível crítico em 5% de significância.
[λ]Valores se ajustam à distribuição Gama.

Tabela 31. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Carandá (1954006), Município de Camapuã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°18'09" S, 54°10'22" W, 540 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	86.6	1.496	57.917	0.000		12.9	16.8	29.0	34.9	44.8	68.3	0.12	0.31	*
11-20	20	65.4	1.738	39.645	0.050		5.9	10.5	21.8	26.8	34.9	53.2	0.11	0.31	*
21-31	20	58.6	2.123	32.443	0.150		0.0	0.0	14.4	21.3	30.6	49.4	0.14	0.31	*
Fev															
01-10	20	72.5	1.490	48.641	0.000		10.7	14.0	24.2	29.2	37.4	57.1	0.17	0.31	*
11-20	20	56.9	1.918	34.866	0.150		0.0	0.0	12.4	18.9	27.9	46.6	0.14	0.31	*
21-28	20	46.1	1.657	39.711	0.300		0.0	0.0	0.0	0.0	8.2	31.6	0.19	0.31	*
Mar															
01-10	20	55.9	1.385	42.464	0.050		3.1	6.3	15.0	19.3	26.2	42.6	0.13	0.31	*
11-20	21	43.4	0.879	69.118	0.286	0.0	0.0	0.0	0.0	0.0	2.8	19.2	0.16	0.30	*
21-31	21	37.6	1.047	50.258	0.286	0.0	0.0	0.0	0.0	0.0	3.7	19.5	0.20	0.30	*
Abr															
01-10	21	25.1	1.180	27.904	0.238	0.0	0.0	0.0	0.0	0.9	5.5	15.5	0.16	0.30	*
11-20	21	25.9	0.978	46.320	0.429	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.25	0.30	*
21-30	21	16.0	1.880	13.750	0.381	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.19	0.30	*
Mai															
01-10	21	19.1	0.911	31.492	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.14	0.30	*
11-20	21	22.3	0.870	44.930	0.429	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.20	0.30	*
21-31	21	23.4	1.817	24.631	0.476	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.23	0.30	*
Jun															
01-10	23	5.1	1.177	16.564	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	23	4.0	0.802	23.037	0.783	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
21-30	23	4.5	1.179	14.647	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
Jul															
01-10	23	6.0	1.935	17.856	0.826	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	23	3.0	0.526	32.834	0.826	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-31	23	6.8	1.139	19.623	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
Ago															
01-10	22	2.9	1.030	8.833	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.29	*
11-20	22	12.0	4.388	10.012	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
21-31	22	13.0	2.328	24.481	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
Set															
01-10	22	19.0	2.444	15.539	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	*
11-20	21	16.4	1.987	21.731	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.30	*
21-30	21	23.8	0.674	49.448	0.286	0.0	0.0	0.0	0.0	0.0	0.7	7.8	0.09	0.30	*
Out															
01-10	21	30.7	0.877	43.229	0.190	0.0	0.0	0.0	0.3	2.1	5.9	16.7	0.17	0.30	*
11-20	21	31.8	2.097	19.904	0.238	0.0	0.0	0.0	0.0	4.3	12.9	25.9	0.16	0.30	*
21-31	20	46.1	1.178	45.995	0.150		0.0	0.0	4.7	8.8	15.4	31.3	0.19	0.31	*
Nov															
01-10	21	45.9	1.761	34.176	0.238	0.0	0.0	0.0	0.0	4.4	16.0	34.8	0.17	0.30	*
11-20	21	45.8	1.609	37.339	0.238	0.0	0.0	0.0	0.0	3.7	14.6	33.4	0.22	0.30	*
21-30	21	36.4	1.172	40.801	0.238	0.0	0.0	0.0	0.0	1.3	7.9	22.4	0.23	0.30	*
Dez															
01-10	20	65.5	0.906	85.022	0.150		0.0	0.0	3.7	8.1	16.3	38.5	0.14	0.31	*
11-20	20	44.4	3.556	16.628	0.250		0.0	0.0	0.0	0.0	24.8	41.9	0.20	0.31	*
21-31	19	57.2	0.905	80.121	0.211		0.0	0.0	0.0	2.9	10.2	30.8	0.27	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 32. Precipitação pluviométrica decendial esperada (mm) na estação Campo Grande - SBCG (2054001), Município de Campo Grande, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°28'00" S, 54°40'00" W, 559 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	31	94.1	2.027	46.439	0.000	17.0	20.6	25.3	39.1	45.6	55.8	79.2	0.12	0.25	*
11-20	31	73.2	1.449	50.494	0.000	8.1	10.4	13.7	23.8	28.9	37.2	57.2	0.07	0.25	*
21-31	31	75.1	1.920	39.096	0.000	12.7	15.4	19.2	30.1	35.3	43.6	62.5	0.09	0.25	*
Fev															
01-10	30	57.3	2.356	24.338	0.000	12.3	14.6	17.6	26.0	29.9	35.9	49.5	0.12	0.25	*
11-20	30	72.0	3.518	21.180	0.033	15.9	20.9	26.1	38.1	43.0	50.4	66.0	0.11	0.25	*
21-28	30	50.8	1.404	36.168	0.000	5.3	6.9	9.1	16.1	19.6	25.4	39.4	0.12	0.25	*
Mar															
01-10	30	55.9	1.625	34.393	0.000	7.4	9.3	12.0	19.9	23.8	30.1	44.9	0.07	0.25	*
11-20	30	46.9	1.473	32.927	0.033	2.6	4.5	7.0	14.2	17.6	23.3	36.6	0.09	0.25	*
21-31	30	51.7	1.289	40.124	0.000	4.6	6.1	8.2	15.2	18.7	24.6	39.1	0.11	0.25	*
Abr															
01-10	30	40.6	1.082	44.989	0.167	0.0	0.0	0.0	2.4	5.9	11.7	26.0	0.20	0.25	*
11-20	30	28.7	1.109	31.076	0.167	0.0	0.0	0.0	1.8	4.3	8.5	18.7	0.06	0.25	*
21-30	30	23.7	0.944	31.420	0.200	0.0	0.0	0.0	0.0	1.7	4.8	13.4	0.09	0.25	*
Mai															
01-10	30	32.8	0.847	52.841	0.267	0.0	0.0	0.0	0.0	0.0	2.8	14.8	0.18	0.25	*
11-20	30	30.4	0.952	35.474	0.100	0.0	0.0	0.0	3.6	5.7	9.5	19.3	0.06	0.25	*
21-31	30	28.2	0.927	45.693	0.333	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.16	0.25	*
Jun															
01-10	31	24.2	1.078	31.633	0.290	0.0	0.0	0.0	0.0	0.0	2.3	12.7	0.15	0.25	*
11-20	31	11.3	1.059	15.099	0.290	0.0	0.0	0.0	0.0	0.0	1.0	5.9	0.05	0.25	*
21-30	31	12.0	0.757	28.858	0.452	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.10	0.25	*
Jul															
01-10	31	10.6	0.620	33.195	0.484	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.16	0.25	*
11-20	31	13.0	0.465	54.225	0.484	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
21-31	31	9.6	0.665	26.332	0.452	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.08	0.25	*
Ago															
01-10	31	7.4	0.834	25.077	0.645	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
11-20	32	19.7	0.530	62.633	0.406	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.14	0.24	*
21-31	31	15.5	1.056	26.747	0.452	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.15	0.25	*
Set															
01-10	31	18.9	1.027	23.752	0.226	0.0	0.0	0.0	0.0	0.8	3.7	10.9	0.11	0.25	*
11-20	31	30.7	0.659	51.666	0.097	0.0	0.0	0.0	1.7	3.1	6.1	15.4	0.07	0.25	*
21-30	31	23.9	1.162	23.571	0.129	0.0	0.0	0.0	3.1	5.1	8.4	16.4	0.06	0.25	*
Out															
01-10	31	41.8	1.313	32.865	0.032	1.8	3.3	5.3	11.3	14.3	19.3	31.5	0.09	0.25	*
11-20	31	59.7	1.164	52.975	0.032	1.9	3.6	6.1	14.2	18.4	25.5	43.2	0.09	0.25	*
21-31	31	48.7	1.821	27.655	0.032	4.4	6.8	9.7	17.6	21.2	27.0	40.1	0.08	0.25	*
Nov															
01-10	31	51.8	1.370	39.080	0.032	2.5	4.4	7.0	14.7	18.4	24.6	39.6	0.08	0.25	*
11-20	31	61.9	1.600	38.696	0.000	8.1	10.1	13.0	21.8	26.1	33.1	49.6	0.08	0.25	*
21-30	31	51.3	1.576	36.059	0.097	0.0	0.0	1.3	13.0	17.4	24.4	40.3	0.08	0.25	*
Dez															
01-10	31	57.4	1.152	49.807	0.000	4.1	5.5	7.7	15.0	18.9	25.4	41.9	0.09	0.25	*
11-20	31	62.8	2.023	31.061	0.000	11.3	13.7	16.9	26.1	30.4	37.2	52.8	0.12	0.25	*
21-31	31	75.5	2.048	38.075	0.032	8.3	12.4	17.2	29.7	35.3	44.0	63.7	0.06	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 33. Precipitação pluviométrica decendial esperada (mm) na estação Caixa Dágua (2054010), Município de Campo Grande, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°27'00" S, 54°37'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	17	84.8	3.164	26.785	0.000		27.7	32.2	44.4	49.8	58.0	76.0	0.10	0.33 *
11-20	17	78.6	2.428	32.356	0.000		20.6	24.7	36.2	41.5	49.7	68.1	0.14	0.33 *
21-31	17	73.8	2.929	25.186	0.000		22.7	26.7	37.3	42.1	49.5	65.6	0.10	0.33 *
Fev														
01-10	17	68.5	2.785	24.604	0.000		20.3	23.9	33.9	38.3	45.3	60.5	0.18	0.33 *
11-20	17	56.3	2.295	24.518	0.000		14.0	16.9	25.2	29.0	34.9	48.3	0.09	0.33 *
21-28	16	73.0	1.903	38.386	0.000		14.9	18.5	29.2	34.2	42.2	60.7	0.15	0.34 *
Mar														
01-10	16	65.4	1.674	41.684	0.063		3.1	8.4	20.3	25.5	33.7	52.6	0.15	0.34 *
11-20	16	53.6	1.603	33.425	0.000		8.8	11.3	18.9	22.6	28.7	42.9	0.13	0.34 *
21-31	16	41.9	1.157	36.191	0.000		4.1	5.7	11.0	13.8	18.6	30.6	0.10	0.34 *
Abr														
01-10	15	34.3	0.604	60.717	0.067		0.0	0.2	2.1	3.5	6.7	16.7	0.15	0.35 *
11-20	15	28.7	2.213	13.898	0.067		1.7	5.2	11.0	13.3	16.9	24.6	0.07	0.35 *
21-30	15	31.2	0.930	35.982	0.067		0.1	1.0	4.6	6.7	10.3	20.2	0.09	0.35 *
Mai														
01-10	15	20.6	0.670	38.343	0.200		0.0	0.0	0.0	0.5	2.3	8.7	0.16	0.35 *
11-20	15	48.4	1.525	36.607	0.133		0.0	0.0	9.1	13.9	21.0	37.0	0.15	0.35 *
21-31	15	60.9	1.128	54.033	0.000		5.7	7.9	15.6	19.7	26.6	44.2	0.14	0.35 *
Jun														
01-10	15	25.8	0.963	28.683	0.067		0.1	0.9	4.0	5.8	8.8	16.9	0.16	0.35 *
11-20	15	9.0	0.781	21.670	0.467		0.0	0.0	0.0	0.0	0.0	0.6	0.14	0.35 *
21-30	15	12.7	0.992	23.984	0.467		0.0	0.0	0.0	0.0	0.0	1.5	0.14	0.35 *
Jul														
01-10	15	15.4	0.573	50.241	0.467		0.0	0.0	0.0	0.0	0.0	0.3	0.17	0.35 *
11-20	15	7.6	0.662	28.616	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.35 *
21-31	16	13.5	0.873	24.710	0.375		0.0	0.0	0.0	0.0	0.0	4.0	0.17	0.34 *
Ago														
01-10	16	12.1	1.745	10.081	0.313		0.0	0.0	0.0	0.0	1.7	8.4	0.12	0.34 *
11-20	16	7.3	0.942	17.816	0.563		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.34 *
21-31	15	24.5	1.215	33.642	0.400		0.0	0.0	0.0	0.0	0.0	9.5	0.23	0.35 *
Set														
01-10	15	31.0	1.064	31.266	0.067		0.2	1.4	5.6	7.8	11.6	21.3	0.18	0.35 *
11-20	15	35.2	0.973	60.345	0.400		0.0	0.0	0.0	0.0	0.0	10.3	0.21	0.35 *
21-30	15	27.9	1.538	19.455	0.067		0.6	2.9	7.9	10.1	13.6	21.9	0.12	0.35 *
Out														
01-10	15	40.4	3.056	13.223	0.000		12.9	15.0	20.8	23.4	27.4	36.1	0.15	0.35 *
11-20	15	51.0	1.429	38.266	0.067		0.9	4.6	13.3	17.3	23.8	39.1	0.16	0.35 *
21-31	15	49.9	3.633	13.742	0.000		18.0	20.6	27.7	30.7	35.4	45.4	0.11	0.35 *
Nov														
01-10	15	67.5	3.059	22.069	0.000		21.5	25.1	34.8	39.1	45.8	60.3	0.11	0.35 *
11-20	15	45.6	2.956	16.519	0.067		4.8	11.4	21.0	24.6	29.9	41.1	0.18	0.35 *
21-30	15	47.5	1.649	28.807	0.000		8.1	10.3	17.1	20.4	25.8	38.3	0.14	0.35 *
Dez														
01-10	16	69.4	1.231	56.389	0.000		7.6	10.3	19.5	24.2	32.1	51.8	0.11	0.34 *
11-20	16	76.7	3.672	20.886	0.000		27.9	31.9	42.7	47.4	54.5	69.9	0.14	0.34 *
21-31	16	88.9	2.417	36.764	0.000		23.2	27.9	40.9	46.8	56.2	77.0	0.20	0.34 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 34. Precipitação pluviométrica decendial esperada (mm) na estação DNOS - VIII DRS (2054014), Município de Campo Grande, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°27'30" S, 54°36'17" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	18	83.2	1.938	42.910	0.000		17.3	21.5	33.6	39.3	48.4	69.4	0.10	0.32	*
11-20	19	70.1	3.338	20.993	0.000		23.8	27.6	37.5	41.9	48.6	63.2	0.08	0.31	*
21-31	19	50.3	3.573	14.074	0.000		17.9	20.6	27.7	30.8	35.5	45.7	0.06	0.31	*
Fev															
01-10	18	71.5	3.672	19.472	0.000		26.0	29.8	39.8	44.1	50.8	65.1	0.17	0.32	*
11-20	20	55.3	1.694	32.608	0.000		9.8	12.4	20.3	24.2	30.4	44.8	0.12	0.31	*
21-28	19	51.0	1.405	36.333	0.000		6.9	9.1	16.2	19.7	25.5	39.6	0.10	0.31	*
Mar															
01-10	19	53.0	1.962	27.008	0.000		11.2	13.8	21.6	25.2	31.0	44.3	0.12	0.31	*
11-20	19	38.1	1.177	34.208	0.053		1.3	3.0	8.5	11.2	15.9	27.5	0.12	0.31	*
21-31	18	53.5	1.322	42.810	0.056		2.1	5.1	13.4	17.4	24.1	40.1	0.09	0.32	*
Abr															
01-10	20	33.7	0.918	40.841	0.100		0.0	0.0	3.8	6.0	10.1	21.1	0.09	0.31	*
11-20	20	42.7	0.748	60.142	0.050		0.3	1.1	4.8	7.1	11.7	24.8	0.11	0.31	*
21-30	20	28.8	1.393	24.303	0.150		0.0	0.0	4.0	6.8	11.2	21.1	0.15	0.31	*
Mai															
01-10	20	20.7	0.993	29.726	0.300		0.0	0.0	0.0	0.0	1.3	9.9	0.16	0.31	*
11-20	20	41.0	1.106	46.313	0.200		0.0	0.0	0.0	4.1	10.4	25.7	0.12	0.31	*
21-31	20	44.0	1.040	46.977	0.100		0.0	0.0	6.2	9.4	15.0	29.3	0.13	0.31	*
Jun															
01-10	20	22.2	1.322	22.411	0.250		0.0	0.0	0.0	0.0	5.2	14.5	0.11	0.31	*
11-20	20	17.9	0.784	37.979	0.400		0.0	0.0	0.0	0.0	0.0	3.7	0.14	0.31	*
21-30	20	8.2	0.544	21.439	0.300		0.0	0.0	0.0	0.0	0.1	1.8	0.09	0.31	*
Jul															
01-10	20	9.5	1.476	9.932	0.350		0.0	0.0	0.0	0.0	0.0	5.5	0.09	0.31	*
11-20	20	8.2	0.615	18.954	0.300		0.0	0.0	0.0	0.0	0.1	2.2	0.08	0.31	*
21-31	20	14.1	0.913	30.896	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
Ago															
01-10	19	13.6	1.289	18.285	0.421		0.0	0.0	0.0	0.0	0.0	4.9	0.12	0.31	*
11-20	19	9.0	0.628	33.911	0.579		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.31	*
21-31	19	14.9	0.875	29.334	0.421		0.0	0.0	0.0	0.0	0.0	3.0	0.13	0.31	*
Set															
01-10	19	34.8	0.877	47.102	0.158		0.0	0.0	1.5	3.7	8.0	19.8	0.12	0.31	*
11-20	19	31.6	0.720	52.171	0.158		0.0	0.0	0.7	2.2	5.4	15.6	0.14	0.31	*
21-30	17	38.4	1.424	26.971	0.000		5.3	7.0	12.3	15.0	19.4	29.9	0.19	0.33	*
Out															
01-10	17	34.4	1.107	32.969	0.059		0.6	2.1	6.8	9.3	13.5	24.1	0.08	0.33	*
11-20	18	42.9	2.028	21.156	0.000		9.4	11.6	17.8	20.8	25.4	36.1	0.15	0.32	*
21-31	18	55.4	2.570	21.564	0.000		15.3	18.2	26.3	30.0	35.7	48.4	0.11	0.32	*
Nov															
01-10	18	42.9	1.939	23.434	0.056		4.0	7.5	15.3	18.7	24.0	35.8	0.12	0.32	*
11-20	18	59.1	1.246	47.433	0.000		6.6	9.0	16.8	20.8	27.6	44.3	0.13	0.32	*
21-30	19	46.5	0.995	46.791	0.000		3.3	4.9	10.3	13.3	18.6	32.2	0.15	0.31	*
Dez															
01-10	18	65.7	2.464	26.670	0.000		17.5	20.9	30.6	34.9	41.8	57.1	0.10	0.32	*
11-20	18	56.0	1.900	29.475	0.000		11.4	14.2	22.3	26.2	32.3	46.5	0.12	0.32	*
21-31	18	69.0	1.309	52.742	0.000		8.4	11.2	20.5	25.3	33.2	52.5	0.18	0.32	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 35. Precipitação pluviométrica decendial esperada (mm) na estação Alegre (2054020), Município de Campo Grande, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°40'36" S, 53°34'14" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	19	89.7	1.627	55.138	0.000		15.0	19.2	32.0	38.2	48.4	72.1	0.10	0.31	*
11-20	19	65.4	2.951	23.396	0.053		12.4	18.5	30.9	35.8	43.2	58.9	0.10	0.31	*
21-31	20	84.2	6.094	13.814	0.000		40.3	44.5	55.0	59.4	66.0	79.6	0.10	0.31	*
Fev															
01-10	21	63.8	2.079	30.673	0.000	11.9	14.3	17.6	26.9	31.3	38.2	53.9	0.09	0.30	*
11-20	20	56.5	1.773	31.894	0.000		10.6	13.3	21.5	25.4	31.7	46.3	0.08	0.31	*
21-28	21	62.0	2.495	26.102	0.048	4.0	10.5	15.6	26.9	31.6	38.8	54.3	0.12	0.30	*
Mar															
01-10	21	56.9	2.134	28.014	0.048	2.6	7.7	12.1	22.3	26.7	33.4	48.5	0.15	0.30	*
11-20	21	73.0	1.249	58.402	0.000	6.1	8.2	11.1	20.8	25.7	34.1	54.7	0.14	0.30	*
21-31	21	53.6	1.062	53.037	0.048	0.2	1.6	3.7	10.7	14.4	20.8	37.2	0.15	0.30	*
Abr															
01-10	21	25.0	1.225	25.212	0.190	0.0	0.0	0.0	0.7	3.5	7.5	16.7	0.08	0.30	*
11-20	21	36.6	1.122	36.063	0.095	0.0	0.0	0.4	6.0	8.8	13.5	25.3	0.09	0.30	*
21-30	21	22.4	2.326	11.914	0.190	0.0	0.0	0.0	2.9	7.2	11.4	19.2	0.08	0.30	*
Mai															
01-10	21	16.8	1.139	23.793	0.381	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.12	0.30	*
11-20	21	34.6	1.867	24.284	0.238	0.0	0.0	0.0	0.0	3.8	12.7	26.9	0.19	0.30	*
21-31	20	31.8	2.148	19.754	0.250		0.0	0.0	0.0	0.0	12.5	25.9	0.14	0.31	*
Jun															
01-10	20	11.6	0.675	26.421	0.350		0.0	0.0	0.0	0.0	0.0	2.8	0.15	0.31	*
11-20	20	13.6	1.810	16.669	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
21-30	21	9.5	0.847	29.348	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30	*
Jul															
01-10	21	10.7	0.818	24.947	0.476	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.16	0.30	*
11-20	21	3.2	1.174	8.261	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.30	*
21-31	21	11.7	0.580	42.380	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30	*
Ago															
01-10	19	10.6	1.272	14.373	0.421		0.0	0.0	0.0	0.0	0.0	3.7	0.09	0.31	*
11-20	19	11.1	0.803	43.649	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.31	*
21-31	19	24.6	0.809	64.226	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.31	*
Set															
01-10	19	35.4	1.144	39.193	0.211		0.0	0.0	0.0	3.1	8.9	22.3	0.13	0.31	*
11-20	19	9.1	1.779	10.856	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	*
21-30	20	33.9	0.706	53.305	0.100		0.0	0.0	2.1	3.8	7.3	17.9	0.10	0.31	*
Out															
01-10	19	21.2	1.136	20.825	0.105		0.0	0.0	3.3	4.9	7.7	14.6	0.12	0.31	*
11-20	19	40.1	1.077	41.631	0.105		0.0	0.0	5.7	8.8	14.0	27.1	0.16	0.31	*
21-31	20	60.3	1.850	34.291	0.050		6.1	10.5	21.1	25.8	33.1	49.8	0.10	0.31	*
Nov															
01-10	20	49.3	2.492	22.000	0.100		0.0	0.0	18.6	23.1	29.7	43.4	0.09	0.31	*
11-20	21	63.9	2.709	24.786	0.048	4.9	12.0	17.4	29.1	33.9	41.1	56.7	0.08	0.30	*
21-30	21	48.9	1.336	36.646	0.000	4.7	6.1	8.2	14.8	18.2	23.8	37.4	0.10	0.30	*
Dez															
01-10	21	54.5	1.507	36.169	0.000	6.4	8.2	10.7	18.3	22.1	28.3	43.1	0.16	0.30	*
11-20	20	54.3	1.773	30.627	0.000		10.2	12.8	20.6	24.4	30.4	44.5	0.21	0.31	*
21-31	21	73.1	1.372	53.289	0.000	7.4	9.6	12.7	22.7	27.7	36.1	56.3	0.09	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 36. Precipitação pluviométrica decendial esperada (mm) na estação Vau do Bálsamo (2154002), Município de Campo Grande, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°59'38" S, 54°30'25" W, 469 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	32	65.7	2.150	30.542	0.000	12.7	15.3	18.7	28.3	32.8	39.8	55.8	0.13	0.24	*
11-20	32	69.8	1.466	49.156	0.031	4.1	6.9	10.5	21.1	26.3	34.6	54.5	0.09	0.24	*
21-31	32	68.8	1.797	39.538	0.031	6.2	9.6	13.6	24.7	29.8	37.9	56.5	0.07	0.24	*
Fev															
01-10	32	47.7	2.291	20.802	0.000	9.9	11.8	14.3	21.3	24.5	29.6	40.9	0.11	0.24	*
11-20	32	51.1	1.482	36.803	0.063	0.0	1.7	5.3	14.1	18.1	24.6	39.7	0.06	0.24	*
21-28	32	49.7	1.651	30.096	0.000	6.8	8.5	10.8	17.9	21.4	27.0	40.1	0.12	0.24	*
Mar															
01-10	33	54.0	1.618	33.404	0.000	7.1	9.0	11.5	19.2	23.0	29.1	43.4	0.06	0.24	*
11-20	33	44.6	1.220	36.571	0.000	3.6	4.8	6.5	12.4	15.4	20.5	33.2	0.06	0.24	*
21-31	33	44.0	1.534	33.831	0.152	0.0	0.0	0.0	6.9	11.6	18.4	33.5	0.10	0.24	*
Abr															
01-10	33	29.3	1.246	26.801	0.121	0.0	0.0	0.0	4.6	7.1	11.2	20.9	0.06	0.24	*
11-20	33	29.4	1.372	24.422	0.121	0.0	0.0	0.0	5.3	8.0	12.1	21.8	0.10	0.24	*
21-30	33	28.9	0.769	42.832	0.121	0.0	0.0	0.0	1.7	3.3	6.5	15.8	0.06	0.24	*
Mai															
01-10	33	32.5	1.067	41.954	0.273	0.0	0.0	0.0	0.0	0.0	4.2	17.6	0.08	0.24	*
11-20	33	40.1	0.869	58.590	0.212	0.0	0.0	0.0	0.0	1.7	6.6	20.9	0.13	0.24	*
21-31	33	36.9	0.943	44.510	0.121	0.0	0.0	0.0	3.5	6.1	10.7	22.9	0.07	0.24	*
Jun															
01-10	33	23.7	0.779	34.666	0.121	0.0	0.0	0.0	1.5	2.8	5.4	13.1	0.09	0.24	*
11-20	33	16.8	0.829	35.241	0.424	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.10	0.24	*
21-30	33	19.3	1.280	23.697	0.364	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.16	0.24	*
Jul															
01-10	33	10.9	0.869	21.702	0.424	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.08	0.24	*
11-20	33	9.6	0.721	23.073	0.424	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.11	0.24	*
21-31	33	12.1	0.611	38.613	0.485	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.12	0.24	*
Ago															
01-10	32	13.0	0.947	21.953	0.375	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.09	0.24	*
11-20	32	8.5	0.736	24.734	0.531	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.24	*
21-31	31	16.3	0.801	35.000	0.419	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.17	0.25	*
Set															
01-10	32	33.2	0.866	53.311	0.281	0.0	0.0	0.0	0.0	0.0	2.3	14.7	0.16	0.24	*
11-20	32	26.0	1.008	34.380	0.250	0.0	0.0	0.0	0.0	0.0	4.0	14.1	0.15	0.24	*
21-30	32	30.5	1.774	21.159	0.188	0.0	0.0	0.0	2.8	7.5	13.0	24.0	0.06	0.24	*
Out															
01-10	32	30.3	1.292	25.031	0.063	0.0	0.7	2.4	7.2	9.5	13.3	22.5	0.10	0.24	*
11-20	32	52.0	0.909	60.990	0.063	0.0	0.3	1.7	7.6	10.9	17.0	33.3	0.09	0.24	*
21-31	32	49.7	1.710	30.978	0.063	0.0	2.5	6.6	15.7	19.6	25.9	40.2	0.11	0.24	*
Nov															
01-10	32	53.2	1.350	42.046	0.063	0.0	1.4	4.7	13.3	17.4	24.1	40.2	0.09	0.24	*
11-20	32	46.3	2.033	25.150	0.094	0.0	0.0	3.2	15.2	19.3	25.5	39.0	0.06	0.24	*
21-30	32	50.2	1.524	35.112	0.063	0.0	1.8	5.5	14.2	18.2	24.5	39.3	0.07	0.24	*
Dez															
01-10	31	61.0	2.510	27.890	0.129	0.0	0.0	0.0	20.4	26.8	35.7	53.7	0.12	0.25	*
11-20	31	65.4	1.666	39.233	0.000	9.0	11.3	14.4	23.8	28.3	35.6	52.9	0.11	0.25	*
21-31	31	71.3	1.816	40.594	0.032	6.4	9.9	14.2	25.8	31.1	39.5	58.7	0.08	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 37. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Ponte (2154008), Município de Campo Grande, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°18'04" S, 54°11'55" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	54.9	1.157	47.419	0.000	3.9	5.3	7.4	14.4	18.1	24.4	40.1	0.11	0.30	*
11-20	21	77.3	2.777	27.825	0.000	19.6	22.8	26.9	38.1	43.2	51.0	68.2	0.10	0.30	*
21-31	21	66.8	1.686	41.615	0.048	1.6	6.1	10.5	21.8	27.0	35.2	54.0	0.07	0.30	*
Fev															
01-10	21	51.5	1.750	30.904	0.048	1.3	5.0	8.5	17.3	21.3	27.6	42.0	0.08	0.30	*
11-20	21	54.5	2.174	27.707	0.095	0.0	0.0	3.8	18.8	23.7	31.0	46.5	0.09	0.30	*
21-28	21	49.7	1.439	38.202	0.095	0.0	0.0	1.2	11.4	15.6	22.3	37.9	0.20	0.30	*
Mar															
01-10	21	54.9	1.065	54.126	0.048	0.2	1.7	3.8	11.0	14.8	21.4	38.2	0.13	0.30	*
11-20	22	42.9	0.857	57.885	0.136	0.0	0.0	0.0	2.7	5.4	10.5	24.7	0.12	0.29	*
21-31	22	42.1	0.929	49.887	0.091	0.0	0.0	0.3	5.2	8.0	13.1	26.7	0.14	0.29	*
Abr															
01-10	22	27.7	0.861	37.310	0.136	0.0	0.0	0.0	1.7	3.5	6.8	16.0	0.11	0.29	*
11-20	22	33.2	0.821	42.336	0.045	0.1	0.5	1.2	4.5	6.5	10.2	20.4	0.10	0.29	*
21-30	22	27.1	0.924	35.898	0.182	0.0	0.0	0.0	0.6	2.4	6.0	15.5	0.13	0.29	*
Mai															
01-10	22	25.2	0.807	38.203	0.182	0.0	0.0	0.0	0.3	1.6	4.5	13.1	0.14	0.29	*
11-20	22	35.9	0.687	63.791	0.182	0.0	0.0	0.0	0.2	1.5	4.8	16.2	0.12	0.29	*
21-31	22	25.4	0.715	41.108	0.136	0.0	0.0	0.0	1.0	2.2	4.8	12.9	0.14	0.29	*
Jun															
01-10	22	22.1	0.639	44.835	0.227	0.0	0.0	0.0	0.0	0.2	1.7	8.3	0.14	0.29	*
11-20	22	16.9	0.641	48.477	0.455	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.10	0.29	*
21-30	21	16.5	1.022	24.165	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.10	0.30	*
Jul															
01-10	21	7.6	0.763	17.339	0.429	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.13	0.30	*
11-20	21	3.3	0.981	7.126	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30	*
21-31	21	11.3	0.605	35.720	0.476	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.15	0.30	*
Ago															
01-10	19	17.6	0.797	38.168	0.421		0.0	0.0	0.0	0.0	0.0	3.0	0.10	0.31	*
11-20	19	8.5	1.346	17.067	0.632		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
21-31	19	17.3	0.768	32.898	0.316		0.0	0.0	0.0	0.0	0.2	5.9	0.13	0.31	*
Set															
01-10	19	28.9	0.886	44.300	0.263		0.0	0.0	0.0	0.0	2.9	13.7	0.13	0.31	*
11-20	19	16.5	1.227	17.062	0.211		0.0	0.0	0.0	1.7	4.5	10.8	0.11	0.31	*
21-30	20	30.6	1.129	31.908	0.150		0.0	0.0	2.9	5.5	9.8	20.4	0.15	0.31	*
Out															
01-10	20	30.3	1.218	27.622	0.100		0.0	0.0	5.4	7.8	11.9	21.6	0.08	0.31	*
11-20	20	41.6	0.950	46.047	0.050		0.8	2.1	7.0	9.7	14.6	27.4	0.07	0.31	*
21-31	20	49.7	1.051	47.307	0.000		4.0	5.7	11.8	15.0	20.7	35.1	0.13	0.31	*
Nov															
01-10	20	50.7	1.096	51.429	0.100		0.0	0.0	7.7	11.6	18.1	34.6	0.09	0.31	*
11-20	20	44.5	1.427	34.673	0.100		0.0	0.0	9.8	13.6	19.7	33.8	0.09	0.31	*
21-30	20	49.7	1.458	34.130	0.000		7.1	9.3	16.3	19.7	25.4	38.9	0.12	0.31	*
Dez															
01-10	20	51.8	0.998	54.644	0.050		1.2	2.9	9.3	12.9	19.0	35.0	0.08	0.31	*
11-20	20	54.5	1.187	45.949	0.000		5.6	7.7	14.7	18.4	24.6	40.2	0.12	0.31	*
21-31	20	45.0	2.405	20.793	0.100		0.0	0.0	16.5	20.6	26.7	39.3	0.09	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 38. Precipitação pluviométrica decendial esperada (mm) na estação Caracol (2257000), Município de Caracol, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°01'51" S, 57°01'45" W, 247 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	25	57.0	1.141	56.799	0.120	0.0	0.0	0.0	7.8	12.5	20.1	39.1	0.17	0.27	*
11-20	24	36.6	1.315	30.366	0.083	0.0	0.0	1.7	8.0	10.9	15.7	27.1	0.09	0.28	*
21-31	25	41.8	1.391	35.753	0.160	0.0	0.0	0.0	4.9	9.3	15.8	30.4	0.12	0.27	*
Fev															
01-10	24	40.4	3.205	13.758	0.083	0.0	0.0	8.7	18.8	22.2	27.0	37.0	0.13	0.28	*
11-20	25	58.6	0.951	64.136	0.040	0.5	1.7	3.5	10.4	14.2	21.0	38.9	0.11	0.27	*
21-28	25	35.4	1.585	25.413	0.120	0.0	0.0	0.0	7.8	11.2	16.2	27.6	0.11	0.27	*
Mar															
01-10	25	48.7	1.486	35.620	0.080	0.0	0.0	3.4	12.5	16.5	22.9	37.7	0.10	0.27	*
11-20	25	48.8	1.174	45.211	0.080	0.0	0.0	1.9	9.4	13.1	19.3	34.7	0.10	0.27	*
21-31	25	35.5	1.381	30.629	0.160	0.0	0.0	0.0	4.1	7.8	13.3	25.8	0.11	0.27	*
Abr															
01-10	25	47.5	2.075	28.603	0.200	0.0	0.0	0.0	0.0	12.5	21.9	39.2	0.14	0.27	*
11-20	25	38.8	1.403	36.414	0.240	0.0	0.0	0.0	0.0	2.0	10.5	26.4	0.13	0.27	*
21-30	25	36.2	1.229	36.837	0.200	0.0	0.0	0.0	0.0	4.5	10.4	24.1	0.15	0.27	*
Mai															
01-10	25	24.1	1.505	25.036	0.360	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.15	0.27	*
11-20	26	39.6	0.776	60.252	0.154	0.0	0.0	0.0	1.3	3.4	7.8	20.8	0.08	0.27	*
21-31	26	31.6	0.781	47.863	0.154	0.0	0.0	0.0	1.1	2.8	6.3	16.7	0.09	0.27	*
Jun															
01-10	26	28.4	1.168	28.697	0.154	0.0	0.0	0.0	2.7	5.2	9.3	19.1	0.19	0.27	*
11-20	26	23.9	1.272	24.464	0.231	0.0	0.0	0.0	0.0	1.5	6.1	15.6	0.08	0.27	*
21-30	26	18.1	0.960	24.540	0.231	0.0	0.0	0.0	0.0	0.5	3.0	9.8	0.10	0.27	*
Jul															
01-10	26	17.4	1.264	18.840	0.269	0.0	0.0	0.0	0.0	0.0	3.1	10.7	0.10	0.27	*
11-20	26	8.0	0.855	16.130	0.423	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.11	0.27	*
21-31	26	21.5	0.654	56.986	0.423	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.07	0.27	*
Ago															
01-10	26	20.8	0.631	61.114	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.22	0.27	*
11-20	26	14.1	1.444	19.587	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.27	*
21-31	26	12.8	0.894	30.919	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.27	*
Set															
01-10	26	13.0	0.788	30.657	0.462	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.22	0.27	*
11-20	26	24.0	1.242	23.901	0.192	0.0	0.0	0.0	0.6	3.3	7.2	16.1	0.15	0.27	*
21-30	26	35.8	1.945	21.718	0.154	0.0	0.0	0.0	7.6	11.8	17.6	29.4	0.12	0.27	*
Out															
01-10	25	38.1	1.071	40.406	0.120	0.0	0.0	0.0	4.7	7.6	12.7	25.3	0.10	0.27	*
11-20	25	51.3	1.375	42.382	0.120	0.0	0.0	0.0	9.4	14.0	21.2	38.0	0.15	0.27	*
21-31	25	39.0	1.480	28.636	0.080	0.0	0.0	2.7	10.0	13.2	18.3	30.1	0.09	0.27	*
Nov															
01-10	25	55.2	1.858	30.927	0.040	3.7	7.0	10.6	19.9	24.1	30.6	45.6	0.13	0.27	*
11-20	24	47.0	1.367	39.324	0.125	0.0	0.0	0.0	8.2	12.5	19.2	34.7	0.10	0.28	*
21-30	24	49.7	1.607	32.281	0.042	2.2	4.8	7.8	15.9	19.6	25.6	39.7	0.15	0.28	*
Dez															
01-10	26	75.4	2.310	32.624	0.000	15.9	18.8	22.8	33.8	38.9	46.9	64.8	0.08	0.27	*
11-20	26	57.1	1.610	36.866	0.038	3.1	5.9	9.2	18.4	22.7	29.6	45.6	0.12	0.27	*
21-31	25	53.7	2.153	25.997	0.040	4.9	8.5	12.3	21.5	25.6	31.9	45.8	0.08	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 39. Precipitação pluviométrica decendial esperada (mm) na estação Indáia Grande (1852002), Município de Cassilândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°59'48" S, 52°35'14" W, 600 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	85.3	2.338	36.502	0.000	18.2	21.6	26.0	38.6	44.3	53.3	73.5	0.09	0.29	*
11-20	22	80.9	3.337	24.246	0.000	24.1	27.5	31.8	43.3	48.4	56.2	73.0	0.10	0.29	*
21-31	23	92.3	4.084	22.597	0.000	32.0	35.8	40.7	53.4	58.9	67.2	84.9	0.07	0.29	*
Fev															
01-10	23	82.1	2.483	33.057	0.000	18.7	22.0	26.3	38.3	43.8	52.3	71.4	0.10	0.29	*
11-20	23	75.3	1.674	44.977	0.000	10.5	13.1	16.7	27.5	32.7	41.1	60.9	0.12	0.29	*
21-28	22	56.0	1.573	35.585	0.000	7.1	9.0	11.5	19.5	23.3	29.7	44.7	0.12	0.29	*
Mar															
01-10	23	81.7	1.668	49.002	0.000	11.3	14.1	18.0	29.7	35.4	44.6	66.1	0.09	0.29	*
11-20	23	72.5	1.705	42.531	0.000	10.4	12.9	16.4	26.8	31.8	40.0	58.9	0.08	0.29	*
21-31	23	89.2	1.208	73.817	0.000	7.0	9.4	12.9	24.5	30.6	40.8	66.1	0.12	0.29	*
Abr															
01-10	23	52.9	1.203	43.956	0.000	4.1	5.5	7.6	14.5	18.1	24.1	39.1	0.10	0.29	*
11-20	23	48.8	1.402	38.138	0.087	0.0	0.0	2.2	11.3	15.4	21.8	37.0	0.15	0.29	*
21-30	23	23.0	2.035	12.370	0.087	0.0	0.0	2.3	7.7	9.7	12.8	19.3	0.08	0.29	*
Mai															
01-10	23	18.4	1.631	15.278	0.261	0.0	0.0	0.0	0.0	0.0	5.1	13.2	0.17	0.29	*
11-20	23	19.5	1.111	23.726	0.261	0.0	0.0	0.0	0.0	0.0	3.1	11.2	0.12	0.29	*
21-31	23	25.9	0.908	36.455	0.217	0.0	0.0	0.0	0.0	1.1	4.4	13.8	0.18	0.29	*
Jun															
01-10	23	7.5	0.731	26.126	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	23	7.9	0.508	35.996	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
21-30	23	4.2	4.780	2.875	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
Jul															
01-10	23	3.5	0.900	11.175	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
11-20	23	5.0	0.858	22.235	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	23	6.7	0.777	24.647	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
Ago															
01-10	22	9.6	1.430	18.461	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	22	5.4	1.476	13.418	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-31	22	21.4	0.730	46.067	0.364	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.16	0.29	*
Set															
01-10	21	27.4	1.144	33.468	0.286	0.0	0.0	0.0	0.0	0.0	3.3	15.2	0.18	0.30	*
11-20	21	22.1	1.207	21.316	0.143	0.0	0.0	0.0	2.6	4.6	7.7	15.3	0.09	0.30	*
21-30	21	35.4	0.981	37.878	0.048	0.1	0.8	2.0	6.3	8.7	12.9	23.8	0.15	0.30	*
Out															
01-10	21	27.8	2.058	14.163	0.048	1.1	3.6	5.7	10.6	12.7	16.1	23.5	0.07	0.30	*
11-20	21	48.1	2.075	24.336	0.048	2.0	6.3	9.9	18.5	22.2	27.9	40.7	0.09	0.30	*
21-31	21	58.8	3.508	17.595	0.048	7.0	14.6	19.8	30.5	34.7	41.0	54.0	0.09	0.30	*
Nov															
01-10	21	59.0	1.444	42.882	0.048	0.8	3.9	7.3	16.7	21.2	28.4	45.6	0.13	0.30	*
11-20	21	84.9	1.368	62.054	0.000	8.5	11.0	14.7	26.3	32.1	41.8	65.3	0.14	0.30	*
21-30	21	70.9	1.611	44.038	0.000	9.3	11.7	15.0	25.2	30.1	38.1	56.9	0.10	0.30	*
Dez															
01-10	21	75.0	3.286	23.965	0.048	8.1	17.5	24.1	37.7	43.2	51.3	68.4	0.10	0.30	*
11-20	21	80.6	2.357	34.176	0.000	17.3	20.5	24.8	36.6	42.0	50.5	69.5	0.10	0.30	*
21-31	21	87.4	1.388	62.997	0.000	9.0	11.6	15.4	27.4	33.4	43.4	67.6	0.10	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 40. Precipitação pluviométrica decendial esperada (mm) na estação Cidade Chapadão Gaúcho (1852003), Município de Chapadão do Sul, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°41'20" S, 52°35'41" W, 600 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	114.3	1.439	79.463	0.000	12.5	16.1	21.1	37.0	44.9	57.9	89.2	0.12	0.30	*
11-20	21	89.0	2.433	36.567	0.000	19.8	23.4	28.1	41.1	47.0	56.4	77.1	0.10	0.30	*
21-31	22	127.2	2.689	47.299	0.000	31.3	36.5	43.3	61.8	70.2	83.2	111.8	0.13	0.29	*
Fev															
01-10	22	91.6	2.018	45.393	0.000	16.5	19.9	24.6	38.0	44.2	54.2	77.0	0.15	0.29	*
11-20	22	107.6	1.991	54.053	0.000	19.0	23.1	28.5	44.2	51.6	63.4	90.2	0.09	0.29	*
21-28	21	71.5	1.664	42.993	0.000	9.9	12.3	15.7	26.0	30.9	39.0	57.8	0.07	0.30	*
Mar															
01-10	21	68.9	2.704	25.471	0.000	17.1	19.9	23.5	33.6	38.1	45.1	60.6	0.11	0.30	*
11-20	22	96.6	2.485	38.886	0.000	22.0	25.9	31.0	45.1	51.6	61.6	84.0	0.10	0.29	*
21-31	22	66.5	1.606	43.357	0.045	2.0	5.8	10.0	20.9	26.0	34.1	53.0	0.07	0.29	*
Abr															
01-10	22	44.3	1.211	40.262	0.091	0.0	0.0	1.0	8.3	11.8	17.6	31.7	0.13	0.29	*
11-20	22	40.4	1.609	29.087	0.136	0.0	0.0	0.0	8.0	12.1	18.2	31.5	0.12	0.29	*
21-30	22	34.5	1.470	24.579	0.045	0.8	2.5	4.5	10.0	12.6	16.8	26.8	0.07	0.29	*
Mai															
01-10	21	26.6	1.135	35.115	0.333	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.19	0.30	*
11-20	21	26.3	0.673	51.229	0.238	0.0	0.0	0.0	0.0	0.1	1.9	10.1	0.12	0.30	*
21-31	22	28.6	0.983	35.562	0.182	0.0	0.0	0.0	0.7	2.9	6.8	17.0	0.10	0.29	*
Jun															
01-10	22	5.6	0.530	23.270	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
11-20	22	13.1	1.070	38.512	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
21-30	22	3.5	1.124	8.616	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
Jul															
01-10	22	5.5	0.614	39.506	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
11-20	22	3.1	0.824	16.696	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-31	22	9.7	0.626	42.546	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
Ago															
01-10	21	7.3	0.896	21.335	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30	*
11-20	22	6.3	3.860	5.992	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
21-31	22	21.8	0.900	41.049	0.409	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.17	0.29	*
Set															
01-10	21	17.2	1.186	20.277	0.286	0.0	0.0	0.0	0.0	0.0	2.2	9.8	0.09	0.30	*
11-20	21	36.5	0.721	59.010	0.143	0.0	0.0	0.0	1.2	3.0	6.7	18.4	0.17	0.30	*
21-30	21	30.2	1.265	29.512	0.190	0.0	0.0	0.0	1.0	4.4	9.4	20.6	0.12	0.30	*
Out															
01-10	21	40.2	1.926	21.920	0.048	1.4	4.6	7.6	14.6	17.7	22.6	33.5	0.07	0.30	*
11-20	21	55.9	1.374	40.671	0.000	5.6	7.3	9.7	17.4	21.2	27.6	43.0	0.15	0.30	*
21-31	21	74.0	1.356	54.574	0.000	7.3	9.5	12.6	22.7	27.8	36.3	56.8	0.12	0.30	*
Nov															
01-10	21	65.8	2.129	30.917	0.000	12.6	15.2	18.5	28.2	32.7	39.8	55.8	0.22	0.30	*
11-20	21	99.3	2.345	42.330	0.000	21.2	25.2	30.4	44.9	51.6	62.1	85.6	0.09	0.30	*
21-30	21	80.5	2.409	33.431	0.000	17.7	21.0	25.2	37.0	42.4	50.8	69.7	0.09	0.30	*
Dez															
01-10	21	82.9	2.119	39.104	0.000	15.8	19.0	23.2	35.4	41.0	50.0	70.3	0.09	0.30	*
11-20	21	95.7	2.611	36.671	0.000	22.9	26.8	31.9	45.9	52.2	62.0	83.8	0.16	0.30	*
21-31	21	113.1	0.903	125.267	0.000	4.4	6.5	9.8	22.1	29.2	41.7	75.1	0.08	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 41. Precipitação pluviométrica decendial esperada (mm) na estação Alto Sucuriú (1952000), Município de Chapadão do Sul, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°26'39" S, 52°33'28" W, 370 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	85.3	1.743	48.942	0.000	12.6	15.6	19.7	32.1	38.0	47.5	69.7	0.06	0.29	*
11-20	22	83.5	2.696	30.974	0.000	20.6	24.0	28.5	40.6	46.1	54.6	73.4	0.10	0.29	*
21-31	23	109.9	1.958	56.103	0.000	19.0	23.1	28.6	44.7	52.2	64.2	91.8	0.12	0.29	*
Fev															
01-10	22	85.3	2.780	32.131	0.045	8.7	17.1	24.1	39.5	45.8	55.4	75.9	0.09	0.29	*
11-20	22	76.3	2.150	37.171	0.045	4.8	11.0	16.7	30.2	36.0	45.0	65.0	0.09	0.29	*
21-28	22	68.9	1.790	42.313	0.091	0.0	0.0	4.5	20.4	26.4	35.6	56.1	0.15	0.29	*
Mar															
01-10	21	63.5	2.024	34.681	0.095	0.0	0.0	3.8	20.6	26.3	34.8	53.3	0.12	0.30	*
11-20	21	58.7	1.861	33.116	0.048	1.8	6.4	10.6	20.8	25.3	32.4	48.5	0.11	0.30	*
21-31	21	67.2	1.620	45.826	0.095	0.0	0.0	2.3	17.6	23.5	32.6	53.2	0.18	0.30	*
Abr															
01-10	21	44.9	1.740	38.733	0.333	0.0	0.0	0.0	0.0	0.0	0.0	29.9	0.24	0.30	*
11-20	21	30.4	1.180	31.802	0.190	0.0	0.0	0.0	0.8	4.0	8.7	19.9	0.17	0.30	*
21-30	21	14.1	1.549	19.063	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.30	*
Mai															
01-10	21	12.8	2.739	6.984	0.333	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.08	0.30	*
11-20	21	30.3	1.286	35.289	0.333	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.18	0.30	*
21-31	21	18.5	1.969	14.065	0.333	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.12	0.30	*
Jun															
01-10	23	11.3	1.471	17.712	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
11-20	23	6.8	0.817	32.080	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
21-30	23	4.6	1.869	9.462	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Jul															
01-10	23	2.9	1.740	4.843	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.29	*
11-20	23	5.4	1.517	13.689	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-31	23	5.1	1.146	17.177	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Ago															
01-10	22	4.0	0.923	16.079	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
11-20	22	4.5	0.960	14.839	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-31	22	18.1	2.653	12.540	0.455	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.27	0.29	*
Set															
01-10	22	22.1	1.366	25.446	0.364	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.15	0.29	*
11-20	22	19.5	1.008	23.639	0.182	0.0	0.0	0.0	0.5	2.1	4.8	11.8	0.07	0.29	*
21-30	22	28.4	0.941	36.903	0.182	0.0	0.0	0.0	0.6	2.7	6.4	16.4	0.08	0.29	*
Out															
01-10	22	34.2	1.145	34.615	0.136	0.0	0.0	0.0	4.0	6.8	11.6	23.2	0.11	0.29	*
11-20	22	47.4	1.342	37.039	0.045	0.8	2.9	5.3	12.6	16.1	21.9	35.9	0.12	0.29	*
21-31	22	52.0	1.005	56.942	0.091	0.0	0.0	0.6	7.4	11.1	17.5	34.3	0.12	0.29	*
Nov															
01-10	21	51.9	1.003	54.337	0.048	0.1	1.3	3.1	9.5	13.1	19.2	35.1	0.12	0.30	*
11-20	21	64.2	1.526	46.513	0.095	0.0	0.0	1.9	15.8	21.3	30.0	49.9	0.15	0.30	*
21-30	22	54.0	0.933	60.596	0.045	0.2	1.2	2.8	9.0	12.6	18.8	35.4	0.12	0.29	*
Dez															
01-10	22	77.2	1.148	73.996	0.091	0.0	0.0	1.4	13.5	19.4	29.4	54.1	0.17	0.29	*
11-20	22	80.0	2.526	34.825	0.091	0.0	0.0	9.9	31.4	38.4	48.7	70.4	0.12	0.29	*
21-31	21	84.9	1.591	53.371	0.000	11.0	13.8	17.8	29.8	35.7	45.3	68.0	0.10	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 42. Precipitação pluviométrica decendial esperada (mm) na estação Coronel Sapucaia (2355001), Município de Coronel Sapucaia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°15'54" S, 55°31'33" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	45.2	1.346	35.339	0.050		2.4	4.8	11.8	15.2	20.8	34.2	0.09	0.31	*
11-20	20	53.3	1.656	35.756	0.100		0.0	0.0	14.0	18.7	26.0	42.4	0.10	0.31	*
21-31	20	85.4	1.146	74.502	0.000		8.2	11.4	22.3	28.0	37.7	62.2	0.07	0.31	*
Fev															
01-10	19	55.6	1.601	34.711	0.000		9.1	11.7	19.6	23.5	29.7	44.5	0.16	0.31	*
11-20	19	55.7	1.520	40.957	0.105		0.0	0.0	12.9	17.8	25.5	43.0	0.14	0.31	*
21-28	19	44.7	1.566	31.910	0.105		0.0	0.0	10.7	14.7	20.9	34.9	0.15	0.31	*
Mar															
01-10	19	28.4	2.181	14.537	0.105		0.0	0.0	9.4	12.1	16.0	24.2	0.06	0.31	*
11-20	19	47.5	2.515	19.941	0.053		7.3	11.6	20.5	24.1	29.7	41.7	0.13	0.31	*
21-31	19	52.4	1.611	38.652	0.158		0.0	0.0	8.2	14.1	22.5	40.5	0.13	0.31	*
Abr															
01-10	19	38.3	1.253	34.209	0.105		0.0	0.0	6.9	10.0	15.2	27.6	0.12	0.31	*
11-20	19	53.9	2.433	23.366	0.053		7.9	12.7	22.7	26.9	33.2	47.0	0.08	0.31	*
21-30	19	37.4	1.228	36.140	0.158		0.0	0.0	3.6	7.1	12.7	25.8	0.12	0.31	*
Mai															
01-10	20	45.9	1.203	42.363	0.100		0.0	0.0	8.1	11.7	17.8	32.6	0.09	0.31	*
11-20	20	46.0	2.198	26.132	0.200		0.0	0.0	0.0	12.9	22.1	38.6	0.17	0.31	*
21-31	20	48.1	1.107	54.311	0.200		0.0	0.0	0.0	4.8	12.2	30.1	0.12	0.31	*
Jun															
01-10	20	39.6	1.020	45.724	0.150		0.0	0.0	3.0	6.0	11.4	25.0	0.11	0.31	*
11-20	20	25.0	1.285	24.345	0.200		0.0	0.0	0.0	3.3	7.6	17.0	0.10	0.31	*
21-30	20	29.0	1.242	33.314	0.300		0.0	0.0	0.0	0.0	3.0	16.6	0.21	0.31	*
Jul															
01-10	19	18.6	1.669	14.126	0.211		0.0	0.0	0.0	3.3	7.0	14.1	0.12	0.31	*
11-20	19	8.9	0.875	17.518	0.421		0.0	0.0	0.0	0.0	0.0	1.8	0.18	0.31	*
21-31	19	10.9	3.246	5.822	0.421		0.0	0.0	0.0	0.0	0.0	8.4	0.13	0.31	*
Ago															
01-10	19	26.7	2.993	15.388	0.421		0.0	0.0	0.0	0.0	0.0	19.5	0.27	0.31	*
11-20	20	15.1	0.545	46.132	0.400		0.0	0.0	0.0	0.0	0.0	1.4	0.11	0.31	*
21-31	20	25.9	0.779	55.360	0.400		0.0	0.0	0.0	0.0	0.0	5.3	0.18	0.31	*
Set															
01-10	20	42.9	0.744	76.823	0.250		0.0	0.0	0.0	0.0	3.5	17.8	0.14	0.31	*
11-20	19	31.9	1.201	28.021	0.053		1.1	2.6	7.2	9.6	13.5	23.2	0.08	0.31	*
21-30	19	43.6	0.819	56.113	0.053		0.4	1.4	5.6	8.3	13.1	26.6	0.15	0.31	*
Out															
01-10	19	39.1	1.494	27.648	0.053		2.4	4.8	11.3	14.3	19.1	30.6	0.07	0.31	*
11-20	19	64.7	2.059	35.120	0.105		0.0	0.0	20.4	26.5	35.4	54.5	0.18	0.31	*
21-31	19	64.7	1.585	40.805	0.000		10.5	13.5	22.7	27.1	34.4	51.7	0.08	0.31	*
Nov															
01-10	20	76.6	2.024	39.825	0.050		9.1	15.0	28.7	34.6	43.9	64.5	0.12	0.31	*
11-20	20	47.4	1.486	37.542	0.150		0.0	0.0	7.3	12.2	19.5	35.7	0.10	0.31	*
21-30	18	55.3	1.038	53.271	0.000		4.3	6.2	12.9	16.5	22.8	38.9	0.13	0.32	*
Dez															
01-10	20	47.8	3.111	16.172	0.050		10.1	14.5	23.3	26.8	32.1	43.3	0.14	0.31	*
11-20	20	49.3	1.796	27.468	0.000		9.4	11.8	18.9	22.3	27.8	40.5	0.09	0.31	*
21-31	20	56.8	1.356	41.849	0.000		7.3	9.7	17.4	21.3	27.8	43.6	0.12	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 43. Precipitação pluviométrica decendial esperada (mm) na estação União (1755001), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 17°47'05" S, 55°47'22" W, 134 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	27	64.4	1.672	45.230	0.148	0.0	0.0	0.0	12.0	19.0	29.0	50.6	0.14	0.26	*
11-20	28	65.5	1.210	60.610	0.107	0.0	0.0	0.0	11.0	16.4	25.1	46.5	0.09	0.26	*
21-31	25	68.6	2.284	31.303	0.040	6.9	11.8	16.7	28.6	33.7	41.7	59.2	0.10	0.27	*
Fev															
01-10	25	72.7	1.406	53.869	0.040	2.5	5.6	9.4	20.6	26.0	34.8	55.9	0.15	0.27	*
11-20	25	55.0	1.970	34.921	0.200	0.0	0.0	0.0	0.0	13.6	24.5	44.7	0.17	0.27	*
21-28	25	30.9	1.370	28.173	0.200	0.0	0.0	0.0	0.0	4.6	10.0	21.6	0.13	0.27	*
Mar															
01-10	26	62.8	0.884	84.021	0.154	0.0	0.0	0.0	3.0	7.1	14.8	36.2	0.15	0.27	*
11-20	27	43.6	1.180	39.879	0.074	0.0	0.0	2.1	8.7	12.0	17.5	31.1	0.08	0.26	*
21-31	28	32.4	1.652	22.901	0.143	0.0	0.0	0.0	6.3	9.7	14.6	25.4	0.09	0.26	*
Abr															
01-10	23	22.6	1.288	25.186	0.304	0.0	0.0	0.0	0.0	0.0	2.3	13.1	0.15	0.29	*
11-20	23	27.3	1.156	31.886	0.261	0.0	0.0	0.0	0.0	0.0	4.7	16.0	0.18	0.29	*
21-30	24	14.7	1.898	15.536	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.28	*
Mai															
01-10	26	15.6	0.637	48.929	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	*
11-20	26	9.1	0.755	22.423	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.11	0.27	*
21-31	25	15.4	1.118	22.961	0.400	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.17	0.27	*
Jun															
01-10	32	12.2	0.924	38.346	0.656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.24	*
11-20	31	8.2	1.341	23.836	0.742	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	*
21-30	30	6.6	1.187	23.656	0.767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
Jul															
01-10	28	4.1	0.654	29.556	0.786	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.26	*
11-20	29	2.5	0.917	13.336	0.793	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.25	*
21-31	28	4.1	1.284	14.831	0.786	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.26	*
Ago															
01-10	29	4.8	0.678	15.871	0.552	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.25	*
11-20	29	2.4	0.941	12.093	0.793	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.25	*
21-31	28	11.8	0.841	32.628	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.26	*
Set															
01-10	29	8.1	0.960	18.876	0.552	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
11-20	30	16.7	1.242	23.661	0.433	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.20	0.25	*
21-30	31	19.1	0.901	29.816	0.290	0.0	0.0	0.0	0.0	0.0	1.2	8.5	0.09	0.25	*
Out															
01-10	31	18.1	1.024	26.077	0.323	0.0	0.0	0.0	0.0	0.0	0.3	8.3	0.10	0.25	*
11-20	31	28.7	1.543	21.372	0.129	0.0	0.0	0.0	5.7	8.5	12.7	22.1	0.06	0.25	*
21-31	31	35.8	1.221	32.455	0.097	0.0	0.0	0.4	6.6	9.4	14.2	25.6	0.09	0.25	*
Nov															
01-10	30	44.3	0.943	56.391	0.167	0.0	0.0	0.0	1.8	5.0	10.8	26.2	0.13	0.25	*
11-20	30	62.4	1.411	49.135	0.100	0.0	0.0	0.0	13.6	18.9	27.4	47.1	0.08	0.25	*
21-30	30	62.6	2.143	31.307	0.067	0.0	3.4	10.9	23.4	28.5	36.3	53.4	0.07	0.25	*
Dez															
01-10	29	47.9	2.798	18.392	0.069	0.0	2.9	11.1	21.3	25.1	30.8	42.9	0.07	0.25	*
11-20	27	61.8	2.291	28.000	0.037	7.1	11.1	15.4	25.9	30.5	37.6	53.2	0.11	0.26	*
21-31	25	76.0	3.354	23.621	0.040	13.5	19.9	25.9	39.0	44.4	52.4	69.4	0.09	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 44. Precipitação pluviométrica decendial esperada (mm) na estação São Jerônimo (1755004), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 17°10'00" S, 55°58'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	89.1	3.273	28.454	0.043	13.3	21.9	29.2	45.0	51.4	60.9	81.1	0.10	0.29	*
11-20	24	53.9	1.797	34.255	0.125	0.0	0.0	0.0	13.3	18.7	26.5	43.6	0.17	0.28	*
21-31	24	112.1	1.811	64.613	0.042	6.5	13.3	20.6	39.5	48.0	61.5	92.2	0.11	0.28	*
Fev															
01-10	24	92.8	2.220	45.615	0.083	0.0	0.0	12.2	33.9	41.9	53.9	79.7	0.11	0.28	*
11-20	24	77.4	1.418	59.502	0.083	0.0	0.0	4.3	18.6	24.9	35.0	58.9	0.12	0.28	*
21-28	24	58.7	1.369	48.977	0.125	0.0	0.0	0.0	10.3	15.6	23.9	43.3	0.13	0.28	*
Mar															
01-10	24	66.1	1.996	36.151	0.083	0.0	0.0	7.3	22.2	27.9	36.5	55.4	0.10	0.28	*
11-20	24	37.1	2.194	19.315	0.125	0.0	0.0	0.0	11.2	15.0	20.5	31.7	0.10	0.28	*
21-31	24	33.1	1.357	26.578	0.083	0.0	0.0	1.6	7.5	10.2	14.5	24.8	0.05	0.28	*
Abr															
01-10	24	24.5	2.021	19.428	0.375	0.0	0.0	0.0	0.0	0.0	0.0	16.3	0.22	0.28	*
11-20	24	22.3	1.816	16.354	0.250	0.0	0.0	0.0	0.0	0.0	7.5	17.0	0.11	0.28	*
21-30	24	22.9	1.393	26.241	0.375	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.20	0.28	*
Mai															
01-10	24	13.3	1.284	20.719	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.28	*
11-20	24	10.6	1.102	23.047	0.583	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.28	*
21-31	24	20.1	0.782	43.981	0.417	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.21	0.28	*
Jun															
01-10	24	6.2	0.539	46.282	0.750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.28	*
11-20	24	4.6	1.415	11.189	0.708	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.28	*
21-30	24	3.0	1.200	8.633	0.708	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.28	*
Jul															
01-10	24	9.1	0.614	44.623	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.28	*
11-20	24	9.9	2.229	11.882	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.28	*
21-31	24	3.3	1.540	8.679	0.750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.28	*
Ago															
01-10	22	2.1	0.689	13.093	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
11-20	22	5.0	0.887	20.548	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
21-31	22	7.6	1.113	18.662	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Set															
01-10	22	10.6	1.507	17.234	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
11-20	22	19.2	0.881	28.208	0.227	0.0	0.0	0.0	0.0	0.5	2.9	9.8	0.11	0.29	*
21-30	21	21.2	1.015	31.403	0.333	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.16	0.30	*
Out															
01-10	22	20.0	1.965	14.026	0.273	0.0	0.0	0.0	0.0	0.0	6.2	15.5	0.11	0.29	*
11-20	22	28.0	2.085	15.546	0.136	0.0	0.0	0.0	7.5	10.5	14.8	23.6	0.06	0.29	*
21-31	23	31.1	2.028	19.593	0.217	0.0	0.0	0.0	0.0	6.5	13.4	25.3	0.21	0.29	*
Nov															
01-10	22	49.7	1.277	45.108	0.136	0.0	0.0	0.0	7.0	11.5	18.6	35.5	0.14	0.29	*
11-20	22	47.4	1.209	43.147	0.091	0.0	0.0	1.1	8.9	12.7	18.8	34.0	0.16	0.29	*
21-30	21	50.9	1.221	48.633	0.143	0.0	0.0	0.0	6.1	10.7	18.0	35.4	0.20	0.30	*
Dez															
01-10	22	63.1	2.254	29.345	0.045	4.3	9.7	14.5	25.8	30.6	38.0	54.3	0.10	0.29	*
11-20	22	54.0	2.127	25.374	0.000	10.3	12.4	15.2	23.1	26.8	32.6	45.8	0.08	0.29	*
21-31	21	61.3	2.865	22.481	0.048	5.2	12.3	17.6	28.8	33.3	40.2	54.9	0.08	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 45. Precipitação pluviométrica decendial esperada (mm) na estação Retiro Seguro (1756002), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°03'09" S, 56°42'10" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	19	74.6	1.012	77.848	0.053		1.5	4.2	13.5	18.7	27.6	50.6	0.14	0.31	*
11-20	19	49.3	1.186	43.911	0.053		1.7	3.9	11.0	14.6	20.7	35.7	0.11	0.31	*
21-31	19	111.4	0.938	118.824	0.000		7.0	10.4	22.9	30.0	42.4	75.2	0.10	0.31	*
Fev															
01-10	20	42.5	1.042	45.354	0.100		0.0	0.0	6.0	9.1	14.5	28.3	0.13	0.31	*
11-20	20	50.9	2.350	24.049	0.100		0.0	0.0	18.3	23.0	29.8	44.2	0.11	0.31	*
21-28	19	53.1	1.273	46.616	0.105		0.0	0.0	9.7	14.2	21.3	38.5	0.14	0.31	*
Mar															
01-10	17	52.2	0.875	63.322	0.059		0.4	1.7	7.3	10.6	16.6	32.8	0.14	0.33	*
11-20	17	65.0	1.658	44.398	0.118		0.0	0.0	15.4	21.5	30.8	51.4	0.20	0.33	*
21-31	18	40.0	1.392	32.360	0.111		0.0	0.0	8.0	11.5	17.0	29.9	0.10	0.32	*
Abr															
01-10	19	27.8	1.244	23.619	0.053		1.1	2.5	6.6	8.7	12.1	20.5	0.19	0.31	*
11-20	19	26.1	0.969	34.087	0.211		0.0	0.0	0.0	1.6	5.2	14.8	0.16	0.31	*
21-30	19	24.2	1.349	24.363	0.263		0.0	0.0	0.0	0.0	5.2	15.7	0.11	0.31	*
Mai															
01-10	18	24.3	0.940	46.603	0.444		0.0	0.0	0.0	0.0	0.0	4.1	0.18	0.32	*
11-20	18	14.7	0.779	42.470	0.556		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.32	*
21-31	18	19.5	2.354	10.622	0.222		0.0	0.0	0.0	4.6	9.2	16.6	0.12	0.32	*
Jun															
01-10	19	7.6	0.556	32.623	0.579		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
11-20	21	8.8	0.754	18.904	0.381	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.15	0.30	*
21-30	21	4.4	0.469	21.784	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.30	*
Jul															
01-10	20	3.9	0.545	15.733	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
11-20	19	4.3	0.429	38.230	0.737		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
21-31	19	5.4	4.761	3.581	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.31	*
Ago															
01-10	18	6.5	0.609	17.564	0.389		0.0	0.0	0.0	0.0	0.0	0.9	0.12	0.32	*
11-20	18	4.1	0.477	30.786	0.722		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.32	*
21-31	18	5.4	0.798	15.179	0.556		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.32	*
Set															
01-10	17	8.3	0.508	34.517	0.529		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.33	*
11-20	18	16.6	0.944	31.588	0.444		0.0	0.0	0.0	0.0	0.0	2.8	0.16	0.32	*
21-30	18	21.5	1.143	26.069	0.278		0.0	0.0	0.0	0.0	2.9	12.2	0.10	0.32	*
Out															
01-10	16	12.4	1.378	11.984	0.250		0.0	0.0	0.0	0.0	3.0	8.3	0.08	0.34	*
11-20	15	25.4	1.607	16.963	0.067		0.6	2.9	7.5	9.5	12.8	20.2	0.13	0.35	*
21-31	16	34.1	1.411	27.629	0.125		0.0	0.0	6.2	9.4	14.2	25.5	0.10	0.34	*
Nov															
01-10	14	23.7	0.839	30.380	0.071			0.4	2.8	4.3	7.0	14.4	0.14	0.37	*
11-20	15	46.6	1.076	49.964	0.133		0.0	0.0	5.0	8.7	15.0	30.7	0.12	0.35	*
21-30	18	56.8	1.274	50.128	0.111		0.0	0.0	10.0	14.8	22.5	41.1	0.12	0.32	*
Dez															
01-10	18	50.1	2.424	23.267	0.111		0.0	0.0	17.7	22.6	29.5	43.8	0.08	0.32	*
11-20	18	61.6	1.126	54.715	0.000		5.7	8.0	15.7	19.9	26.9	44.6	0.22	0.32	*
21-31	18	64.0	4.264	15.007	0.000		25.5	28.9	37.6	41.3	47.0	59.1	0.15	0.32	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 46. Precipitação pluviométrica decendial esperada (mm) na estação Porto Alegre (1756003), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 17°37'23" S, 56°57'55" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	25	50.3	1.734	30.212	0.040	2.9	5.7	8.9	17.2	21.0	27.0	40.9	0.09	0.27	*
11-20	24	77.7	2.695	30.103	0.042	9.5	15.9	21.9	35.6	41.3	50.1	68.9	0.19	0.28	*
21-31	24	70.3	1.002	80.183	0.125	0.0	0.0	0.0	7.2	12.4	21.5	45.0	0.13	0.28	*
Fev															
01-10	27	60.4	2.242	29.077	0.074	0.0	0.0	9.9	22.9	27.9	35.5	51.9	0.09	0.26	*
11-20	25	71.5	2.207	35.227	0.080	0.0	0.0	10.2	26.3	32.4	41.5	61.3	0.12	0.27	*
21-28	25	41.9	2.170	20.963	0.080	0.0	0.0	5.8	15.2	18.7	24.1	35.7	0.08	0.27	*
Mar															
01-10	26	69.0	1.901	36.304	0.000	11.5	14.0	17.5	27.5	32.3	39.9	57.3	0.09	0.27	*
11-20	26	54.5	2.176	27.113	0.077	0.0	0.0	8.1	20.0	24.6	31.5	46.5	0.08	0.27	*
21-31	28	52.8	1.296	43.886	0.071	0.0	0.0	3.5	12.1	16.2	22.9	39.1	0.11	0.26	*
Abr															
01-10	27	31.0	1.349	28.232	0.185	0.0	0.0	0.0	1.7	5.4	10.5	21.9	0.08	0.26	*
11-20	26	28.5	1.118	28.844	0.115	0.0	0.0	0.0	4.0	6.2	10.0	19.4	0.06	0.27	*
21-30	26	22.3	0.902	37.812	0.346	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.17	0.27	*
Mai															
01-10	27	12.2	0.852	38.743	0.630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.26	*
11-20	27	7.1	0.628	25.282	0.556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.26	*
21-31	27	42.6	0.996	55.031	0.222	0.0	0.0	0.0	0.0	2.0	8.1	24.2	0.12	0.26	*
Jun															
01-10	29	13.7	0.501	61.166	0.552	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
11-20	28	4.1	0.867	10.280	0.536	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.26	*
21-30	29	6.3	0.565	23.076	0.517	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.25	*
Jul															
01-10	29	8.0	0.447	52.170	0.655	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	*
11-20	29	4.3	0.785	22.680	0.759	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	*
21-31	29	2.3	1.254	7.749	0.759	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
Ago															
01-10	29	9.3	0.594	41.222	0.621	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	*
11-20	29	4.0	1.014	11.380	0.655	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
21-31	29	7.3	0.670	28.565	0.621	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
Set															
01-10	28	14.1	0.592	47.598	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.26	*
11-20	28	17.9	1.121	24.848	0.357	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.13	0.26	*
21-30	28	30.4	1.213	38.955	0.357	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.19	0.26	*
Out															
01-10	28	16.1	1.129	22.168	0.357	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.17	0.26	*
11-20	28	27.1	0.951	36.206	0.214	0.0	0.0	0.0	0.0	1.4	5.1	15.0	0.19	0.26	*
21-31	28	44.7	1.413	38.465	0.179	0.0	0.0	0.0	3.6	8.8	16.2	32.3	0.15	0.26	*
Nov															
01-10	27	35.2	1.581	31.675	0.296	0.0	0.0	0.0	0.0	0.0	6.2	23.7	0.16	0.26	*
11-20	25	47.1	1.604	36.670	0.200	0.0	0.0	0.0	0.0	8.9	17.7	35.4	0.14	0.27	*
21-30	25	41.7	2.126	22.310	0.120	0.0	0.0	0.0	12.6	16.8	22.8	35.4	0.10	0.27	*
Dez															
01-10	24	65.2	1.954	34.842	0.042	4.5	8.7	13.2	24.3	29.3	37.0	54.5	0.05	0.28	*
11-20	24	67.7	1.177	62.743	0.083	0.0	0.0	2.3	12.8	18.0	26.7	48.1	0.12	0.28	*
21-31	24	62.6	1.482	44.089	0.042	2.2	5.2	8.7	18.5	23.2	30.9	48.9	0.16	0.28	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 47. Precipitação pluviométrica decendial esperada (mm) na estação Porto Índio (1757000), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 17°37'00" S, 57°42'00" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	14	79.3	1.128	75.764	0.071			3.7	15.2	21.0	31.0	55.8	0.14	0.37	*
11-20	14	56.0	0.769	78.466	0.071			0.8	5.6	8.8	14.9	32.3	0.13	0.37	*
21-31	14	61.3	2.041	30.007	0.000			16.6	25.6	29.8	36.4	51.6	0.17	0.37	*
Fev															
01-10	13	58.4	1.423	41.043	0.000			10.6	18.7	22.7	29.4	45.4	0.12	0.38	*
11-20	13	83.6	1.488	60.883	0.077			6.4	21.8	28.6	39.5	64.8	0.20	0.38	*
21-28	13	42.8	1.338	34.627	0.077			2.6	9.9	13.3	18.8	32.0	0.13	0.38	*
Mar															
01-10	13	41.0	1.312	40.589	0.231			0.0	0.0	2.8	10.8	27.2	0.21	0.38	*
11-20	13	60.8	1.687	39.034	0.077			6.0	18.0	23.0	30.9	48.9	0.20	0.38	*
21-31	14	42.8	1.069	56.031	0.286			0.0	0.0	0.0	4.4	22.6	0.19	0.37	*
Abr															
01-10	13	43.8	0.796	102.239	0.462			0.0	0.0	0.0	0.0	3.5	0.24	0.38	*
11-20	13	20.5	1.854	13.056	0.154			0.0	4.1	6.5	9.8	16.6	0.12	0.38	*
21-30	13	8.0	2.901	5.132	0.462			0.0	0.0	0.0	0.0	4.6	0.09	0.38	*
Mai															
01-10	14	27.7	1.158	41.897	0.429			0.0	0.0	0.0	0.0	8.1	0.23	0.37	*
11-20	14	10.9	1.240	15.358	0.429			0.0	0.0	0.0	0.0	3.5	0.18	0.37	*
21-31	14	38.6	1.224	44.127	0.286			0.0	0.0	0.0	5.3	22.5	0.19	0.37	*
Jun															
01-10	14	10.0	1.130	24.748	0.643			0.0	0.0	0.0	0.0	0.0	0.26	0.37	*
11-20	14	2.8	0.735	10.774	0.643			0.0	0.0	0.0	0.0	0.0	0.20	0.37	*
21-30	14	7.2	0.483	52.148	0.714			0.0	0.0	0.0	0.0	0.0	0.15	0.37	*
Jul															
01-10	14	0.7	2.242	2.096	0.857			0.0	0.0	0.0	0.0	0.0	0.07	0.37	*
11-20	14	2.4	3.470	4.770	0.857			0.0	0.0	0.0	0.0	0.0	0.12	0.37	*
21-31	14	7.7	1.528	14.016	0.643			0.0	0.0	0.0	0.0	0.0	0.15	0.37	*
Ago															
01-10	13	8.3	2.182	12.399	0.692			0.0	0.0	0.0	0.0	0.0	0.20	0.38	*
11-20	13	7.0	0.885	20.464	0.615			0.0	0.0	0.0	0.0	0.0	0.18	0.38	*
21-31	13	9.2	2.174	11.001	0.615			0.0	0.0	0.0	0.0	0.0	0.22	0.38	*
Set															
01-10	13	7.0	1.286	10.063	0.462			0.0	0.0	0.0	0.0	1.5	0.14	0.38	*
11-20	13	18.6	1.095	24.538	0.308			0.0	0.0	0.0	1.1	9.5	0.16	0.38	*
21-30	13	22.4	1.106	29.267	0.308			0.0	0.0	0.0	1.4	11.5	0.20	0.38	*
Out															
01-10	12	19.5	3.003	9.758	0.333			0.0	0.0	0.0	0.0	16.9	0.18	0.40	*
11-20	12	30.3	0.820	49.215	0.250			0.0	0.0	0.0	3.1	13.8	0.18	0.40	*
21-31	12	31.5	1.436	23.910	0.083			1.8	7.7	10.2	14.4	24.1	0.23	0.40	*
Nov															
01-10	13	54.9	0.919	64.659	0.077			1.1	7.4	11.0	17.5	35.0	0.15	0.38	*
11-20	13	31.3	1.437	25.727	0.154			0.0	4.3	7.5	12.4	23.2	0.13	0.38	*
21-30	13	37.7	1.402	29.131	0.077			2.5	9.2	12.2	17.1	28.7	0.12	0.38	*
Dez															
01-10	14	33.5	3.486	11.204	0.143			0.0	13.4	17.3	22.2	31.4	0.09	0.37	*
11-20	14	59.7	1.480	40.342	0.000			11.4	19.8	23.9	30.7	46.9	0.11	0.37	*
21-31	14	81.9	0.889	99.301	0.071			1.9	10.8	16.1	25.6	51.5	0.15	0.37	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 48. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda São Gonçalo (1855000), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°21'00" S, 55°51'00" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	26	73.7	3.370	22.755	0.038	13.8	19.7	25.3	38.0	43.2	50.9	67.3	0.10	0.27	*
11-20	26	77.8	1.803	43.156	0.000	12.1	14.9	18.7	30.0	35.3	44.0	64.0	0.09	0.27	*
21-31	26	70.8	2.371	29.844	0.000	15.3	18.2	21.8	32.2	37.0	44.4	61.1	0.07	0.27	*
Fev															
01-10	27	71.1	1.920	40.015	0.074	0.0	0.0	9.3	23.8	29.8	38.9	59.1	0.11	0.26	*
11-20	27	79.0	2.390	34.300	0.037	9.7	14.9	20.5	34.0	39.8	48.8	68.6	0.11	0.26	*
21-28	27	54.9	1.642	34.711	0.037	3.3	6.0	9.2	18.1	22.2	28.8	44.1	0.06	0.26	*
Mar															
01-10	26	63.4	1.207	52.476	0.000	5.0	6.7	9.2	17.4	21.7	29.0	47.0	0.10	0.27	*
11-20	26	42.2	1.279	35.705	0.077	0.0	0.0	2.3	9.2	12.5	18.0	31.0	0.09	0.27	*
21-31	26	42.9	0.820	56.682	0.077	0.0	0.0	0.6	4.7	7.3	12.1	25.6	0.09	0.27	*
Abr															
01-10	26	35.0	0.950	41.680	0.115	0.0	0.0	0.0	3.6	6.0	10.4	22.0	0.07	0.27	*
11-20	26	27.7	1.788	18.296	0.154	0.0	0.0	0.0	5.3	8.5	12.9	22.2	0.08	0.27	*
21-30	26	25.5	1.685	21.871	0.308	0.0	0.0	0.0	0.0	0.0	3.9	17.5	0.17	0.27	*
Mai															
01-10	26	33.5	1.392	32.903	0.269	0.0	0.0	0.0	0.0	0.0	7.0	21.8	0.18	0.27	*
11-20	26	13.0	0.862	30.231	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.27	*
21-31	26	13.5	1.110	19.828	0.385	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.13	0.27	*
Jun															
01-10	25	15.2	0.735	34.558	0.400	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.16	0.27	*
11-20	25	8.8	0.594	33.474	0.560	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	*
21-30	25	4.4	0.598	36.836	0.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.27	*
Jul															
01-10	25	6.4	0.810	28.364	0.720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	*
11-20	25	13.2	0.662	62.279	0.680	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.27	*
21-31	25	6.0	1.123	14.961	0.640	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.27	*
Ago															
01-10	26	3.0	0.579	16.697	0.692	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.27	*
11-20	26	7.6	0.811	26.919	0.654	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.27	*
21-31	26	3.6	1.948	5.948	0.692	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.27	*
Set															
01-10	26	5.7	1.068	9.886	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.06	0.27	*
11-20	26	21.3	1.595	24.743	0.462	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.20	0.27	*
21-30	26	20.1	1.742	15.794	0.269	0.0	0.0	0.0	0.0	0.0	5.6	14.8	0.11	0.27	*
Out															
01-10	25	18.6	1.130	20.627	0.200	0.0	0.0	0.0	0.0	2.0	4.9	11.8	0.09	0.27	*
11-20	25	35.4	1.589	23.198	0.040	1.7	3.5	5.5	11.2	13.9	18.2	28.2	0.07	0.27	*
21-31	25	41.6	1.187	38.128	0.080	0.0	0.0	1.7	8.1	11.3	16.7	29.8	0.14	0.27	*
Nov															
01-10	25	37.0	1.153	34.873	0.080	0.0	0.0	1.4	7.0	9.7	14.5	26.1	0.10	0.27	*
11-20	25	72.7	2.225	37.152	0.120	0.0	0.0	0.0	22.9	30.2	40.7	62.3	0.18	0.27	*
21-30	26	62.8	2.542	25.669	0.038	8.0	12.5	17.1	28.0	32.6	39.7	55.1	0.10	0.27	*
Dez															
01-10	26	62.0	1.142	54.324	0.000	4.3	5.9	8.2	16.1	20.3	27.3	45.2	0.09	0.27	*
11-20	26	72.4	2.554	28.344	0.000	16.9	19.9	23.7	34.3	39.1	46.6	63.2	0.13	0.27	*
21-31	26	79.9	1.380	57.900	0.000	8.1	10.5	14.0	24.9	30.4	39.6	61.6	0.09	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 49. Precipitação pluviométrica decendial esperada (mm) na estação Amolar (1857001), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°02'19" S, 57°29'19" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	18	58.4	0.718	81.261	0.000		1.8	3.0	8.0	11.2	17.2	34.5	0.17	0.32	*
11-20	16	78.0	1.298	60.077	0.000		9.3	12.5	23.0	28.4	37.3	59.1	0.11	0.34	*
21-31	16	64.5	1.407	45.863	0.000		8.8	11.6	20.5	24.9	32.3	50.1	0.22	0.34	*
Fev															
01-10	19	60.4	1.174	57.536	0.105		0.0	0.0	9.8	14.7	22.7	42.4	0.13	0.31	*
11-20	19	96.9	2.835	36.060	0.053		17.5	26.5	44.8	52.1	63.1	86.6	0.10	0.31	*
21-28	19	47.7	1.171	45.559	0.105		0.0	0.0	7.7	11.6	17.9	33.4	0.17	0.31	*
Mar															
01-10	20	70.9	0.779	101.084	0.100		0.0	0.0	5.6	9.7	17.5	40.0	0.14	0.31	*
11-20	18	49.3	1.599	30.827	0.000		8.1	10.4	17.4	20.8	26.4	39.5	0.12	0.32	*
21-31	18	53.4	1.218	52.652	0.167		0.0	0.0	4.2	9.4	17.4	36.4	0.15	0.32	*
Abr															
01-10	19	37.4	0.994	54.899	0.316		0.0	0.0	0.0	0.0	1.1	17.0	0.19	0.31	*
11-20	18	31.6	0.899	48.703	0.278		0.0	0.0	0.0	0.0	2.6	14.6	0.20	0.32	*
21-30	19	27.7	0.773	48.554	0.263		0.0	0.0	0.0	0.0	2.0	11.5	0.16	0.31	*
Mai															
01-10	19	19.8	1.586	26.360	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.31	*
11-20	18	19.4	1.319	26.510	0.444		0.0	0.0	0.0	0.0	0.0	5.8	0.24	0.32	*
21-31	19	29.1	1.343	31.675	0.316		0.0	0.0	0.0	0.0	2.1	17.0	0.21	0.31	*
Jun															
01-10	20	10.6	0.598	50.487	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	*
11-20	19	12.0	2.400	10.532	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
21-30	23	7.3	0.771	27.075	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
Jul															
01-10	23	4.5	1.125	10.292	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
11-20	23	7.5	0.910	23.617	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
21-31	23	7.4	1.214	17.541	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Ago															
01-10	21	13.8	0.865	41.759	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.30	*
11-20	20	5.0	1.704	11.829	0.750		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
21-31	22	9.5	0.756	34.428	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
Set															
01-10	22	17.6	1.483	23.747	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
11-20	23	14.8	0.745	35.067	0.435	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.11	0.29	*
21-30	21	23.2	1.027	33.867	0.333	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.19	0.30	*
Out															
01-10	19	18.5	1.476	16.991	0.263		0.0	0.0	0.0	0.0	4.4	12.6	0.14	0.31	*
11-20	21	34.1	1.356	27.788	0.095	0.0	0.0	0.7	7.3	10.1	14.7	25.4	0.11	0.30	*
21-31	21	49.6	1.634	31.893	0.048	1.0	4.3	7.5	15.8	19.6	25.7	39.8	0.08	0.30	*
Nov															
01-10	21	46.8	0.936	61.761	0.190	0.0	0.0	0.0	0.5	3.8	10.0	26.6	0.15	0.30	*
11-20	21	54.0	1.585	37.696	0.095	0.0	0.0	1.7	13.8	18.5	25.8	42.5	0.12	0.30	*
21-30	22	57.5	1.251	48.121	0.045	0.7	2.9	5.7	14.1	18.3	25.3	42.5	0.12	0.29	*
Dez															
01-10	21	48.1	1.507	31.935	0.000	5.7	7.2	9.4	16.2	19.5	25.0	38.0	0.18	0.30	*
11-20	21	45.7	1.911	26.461	0.095	0.0	0.0	2.4	14.1	18.2	24.4	37.9	0.10	0.30	*
21-31	21	67.8	1.340	53.075	0.048	0.7	3.8	7.4	17.8	22.8	31.2	51.2	0.10	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 50. Precipitação pluviométrica decendial esperada (mm) na estação São José do Mato Grande (1857002), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°14'11" S, 56°58'23" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	24	45.5	1.189	38.242	0.000	3.5	4.7	6.4	12.3	15.4	20.6	33.6	0.07	0.28 *
11-20	24	44.4	1.411	37.757	0.167	0.0	0.0	0.0	4.8	9.6	16.7	32.4	0.19	0.28 *
21-31	24	63.3	1.241	51.019	0.000	5.3	7.0	9.5	17.9	22.2	29.4	47.4	0.09	0.28 *
Fev														
01-10	23	37.1	1.003	42.499	0.130	0.0	0.0	0.0	3.6	6.3	11.1	23.6	0.12	0.29 *
11-20	22	50.7	1.881	29.666	0.091	0.0	0.0	3.7	15.7	20.1	26.9	41.9	0.14	0.29 *
21-28	21	39.5	1.556	29.611	0.143	0.0	0.0	0.0	7.0	11.1	17.1	30.3	0.11	0.30 *
Mar														
01-10	23	54.2	0.716	82.939	0.087	0.0	0.0	0.2	4.1	6.9	12.5	29.4	0.15	0.29 *
11-20	23	50.4	1.752	30.076	0.043	2.4	5.4	8.7	17.2	21.0	27.1	41.1	0.06	0.29 *
21-31	25	36.1	1.088	37.718	0.120	0.0	0.0	0.0	4.6	7.4	12.2	24.2	0.13	0.27 *
Abr														
01-10	21	17.5	1.474	15.541	0.238	0.0	0.0	0.0	0.0	1.1	5.0	12.2	0.10	0.30 *
11-20	21	23.0	1.907	14.923	0.190	0.0	0.0	0.0	2.1	6.0	10.3	18.6	0.16	0.30 *
21-30	20	21.7	0.707	43.922	0.300		0.0	0.0	0.0	0.0	0.4	7.2	0.19	0.31 *
Mai														
01-10	22	18.7	0.842	37.520	0.409	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.11	0.29 *
11-20	21	11.1	0.646	27.777	0.381	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.16	0.30 *
21-31	20	18.4	1.328	17.340	0.200		0.0	0.0	0.0	2.6	5.8	12.7	0.07	0.31 *
Jun														
01-10	21	9.9	0.719	28.770	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30 *
11-20	23	6.1	0.920	13.869	0.522	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29 *
21-30	24	2.2	0.582	11.554	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.28 *
Jul														
01-10	25	4.4	0.851	12.801	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.27 *
11-20	26	9.1	0.600	56.099	0.731	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.27 *
21-31	26	8.2	0.451	47.430	0.615	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.27 *
Ago														
01-10	25	7.3	1.108	14.953	0.560	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.27 *
11-20	25	3.9	0.891	15.448	0.720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.27 *
21-31	25	4.7	1.370	9.570	0.640	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.27 *
Set														
01-10	25	13.2	1.232	19.088	0.440	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.12	0.27 *
11-20	25	5.4	0.789	11.500	0.400	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.04	0.27 *
21-30	24	17.4	0.732	35.585	0.333	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.14	0.28 *
Out														
01-10	25	19.3	3.248	12.409	0.520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.27 *
11-20	25	27.5	0.848	45.075	0.280	0.0	0.0	0.0	0.0	0.0	1.9	12.0	0.11	0.27 *
21-31	25	28.8	1.169	34.243	0.280	0.0	0.0	0.0	0.0	0.0	3.9	16.5	0.14	0.27 *
Nov														
01-10	25	38.5	1.257	34.755	0.120	0.0	0.0	0.0	6.2	9.5	14.8	27.5	0.13	0.27 *
11-20	25	38.7	1.517	30.352	0.160	0.0	0.0	0.0	5.3	9.6	15.7	29.2	0.11	0.27 *
21-30	25	49.6	1.374	41.034	0.120	0.0	0.0	0.0	9.1	13.5	20.5	36.8	0.18	0.27 *
Dez														
01-10	22	55.6	1.496	38.972	0.045	1.3	4.3	7.5	16.4	20.6	27.5	43.5	0.12	0.29 *
11-20	22	31.8	1.826	21.271	0.182	0.0	0.0	0.0	3.8	8.4	14.1	25.3	0.17	0.29 *
21-31	22	50.6	1.497	33.800	0.000	5.9	7.6	9.8	16.9	20.4	26.2	39.9	0.18	0.29 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 51. Precipitação pluviométrica decendial esperada (mm) na estação São Francisco (1857003), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°23'38" S, 57°23'28" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	14	56.0	1.247	48.363	0.071			3.4	12.2	16.5	23.6	41.0	0.12	0.37	*
11-20	13	53.8	0.834	76.276	0.154			0.0	2.2	5.4	11.7	29.8	0.13	0.38	*
21-31	15	45.9	2.202	22.343	0.067		2.7	8.2	17.5	21.3	26.9	39.3	0.11	0.35	*
Fev															
01-10	18	59.6	1.809	34.907	0.056		4.9	9.5	20.2	24.9	32.2	48.9	0.09	0.32	*
11-20	18	59.3	1.757	37.992	0.111		0.0	0.0	15.6	21.1	29.5	47.9	0.22	0.32	*
21-28	16	59.5	1.209	56.227	0.125		0.0	0.0	8.6	13.6	21.9	41.7	0.13	0.34	*
Mar															
01-10	16	43.6	3.348	14.895	0.125		0.0	0.0	18.4	22.9	28.9	40.5	0.14	0.34	*
11-20	16	36.6	1.890	25.799	0.250		0.0	0.0	0.0	0.0	12.8	28.3	0.16	0.34	*
21-31	17	24.8	1.421	21.171	0.176		0.0	0.0	2.1	5.0	9.1	18.0	0.15	0.33	*
Abr															
01-10	19	23.9	0.746	40.513	0.211		0.0	0.0	0.0	0.7	3.0	11.0	0.11	0.31	*
11-20	18	18.9	1.082	24.190	0.278		0.0	0.0	0.0	0.0	2.3	10.3	0.14	0.32	*
21-30	20	25.4	0.946	41.348	0.350		0.0	0.0	0.0	0.0	0.0	9.6	0.16	0.31	*
Mai															
01-10	18	15.2	0.591	51.477	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.32	*
11-20	20	14.2	0.902	24.209	0.350		0.0	0.0	0.0	0.0	0.0	5.1	0.15	0.31	*
21-31	18	23.6	2.689	11.306	0.222		0.0	0.0	0.0	6.5	12.2	20.9	0.15	0.32	*
Jun															
01-10	19	17.3	0.824	36.309	0.421		0.0	0.0	0.0	0.0	0.0	3.1	0.16	0.31	*
11-20	19	11.7	0.851	20.021	0.316		0.0	0.0	0.0	0.0	0.2	4.5	0.08	0.31	*
21-30	20	2.1	1.375	5.188	0.700		0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.31	*
Jul															
01-10	20	5.1	1.030	9.068	0.450		0.0	0.0	0.0	0.0	0.0	0.9	0.06	0.31	*
11-20	21	3.3	0.683	10.184	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.30	*
21-31	20	4.3	0.848	12.748	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.31	*
Ago															
01-10	19	8.8	0.760	18.260	0.368		0.0	0.0	0.0	0.0	0.0	2.2	0.11	0.31	*
11-20	19	3.8	0.492	24.711	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
21-31	19	6.1	1.269	13.021	0.632		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.31	*
Set															
01-10	20	13.6	0.853	26.594	0.400		0.0	0.0	0.0	0.0	0.0	3.3	0.12	0.31	*
11-20	21	12.3	1.065	21.967	0.476	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.13	0.30	*
21-30	20	17.8	1.090	20.456	0.200		0.0	0.0	0.0	1.7	4.4	11.1	0.14	0.31	*
Out															
01-10	18	27.0	0.743	46.659	0.222		0.0	0.0	0.0	0.5	3.0	12.0	0.11	0.32	*
11-20	16	31.9	0.801	39.810	0.000		1.3	2.1	5.3	7.1	10.5	20.0	0.16	0.34	*
21-31	16	41.4	1.905	23.188	0.063		2.6	6.5	14.3	17.6	22.8	34.4	0.11	0.34	*
Nov															
01-10	15	47.5	0.764	71.759	0.133		0.0	0.0	2.3	4.9	10.0	25.4	0.18	0.35	*
11-20	16	30.2	1.017	36.516	0.188		0.0	0.0	0.6	3.1	7.3	18.2	0.15	0.34	*
21-30	16	54.4	1.272	48.873	0.125		0.0	0.0	8.5	13.3	20.9	39.0	0.14	0.34	*
Dez															
01-10	15	49.0	1.345	36.424	0.000		6.2	8.3	14.9	18.3	23.9	37.5	0.10	0.35	*
11-20	14	28.2	1.230	26.710	0.143			0.0	3.4	6.0	10.0	19.7	0.13	0.37	*
21-31	13	71.8	0.918	84.724	0.077			1.5	9.7	14.4	22.9	45.7	0.18	0.38	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 52. Precipitação pluviométrica decendial esperada (mm) na estação Paraíso (1956001), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°10'24" S, 56°42'44" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	24	43.7	1.341	37.227	0.125	0.0	0.0	0.0	7.4	11.3	17.5	32.0	0.10	0.28	*
11-20	24	56.3	1.033	54.496	0.000	3.1	4.4	6.3	13.1	16.7	23.1	39.5	0.18	0.28	*
21-31	23	53.5	0.888	63.019	0.043	0.2	1.1	2.5	8.4	11.8	17.9	34.3	0.09	0.29	*
Fev															
01-10	22	22.6	1.197	23.044	0.182	0.0	0.0	0.0	1.1	3.3	6.8	15.0	0.11	0.29	*
11-20	23	52.3	0.948	70.457	0.217	0.0	0.0	0.0	0.0	2.5	9.6	28.8	0.19	0.29	*
21-28	23	30.1	1.085	31.916	0.130	0.0	0.0	0.0	3.4	5.8	9.8	20.0	0.10	0.29	*
Mar															
01-10	23	43.5	1.235	42.607	0.174	0.0	0.0	0.0	2.9	7.3	14.0	29.7	0.12	0.29	*
11-20	23	22.3	1.171	24.338	0.217	0.0	0.0	0.0	0.0	1.8	5.5	14.1	0.09	0.29	*
21-31	24	37.1	1.486	26.024	0.042	1.3	3.1	5.1	11.0	13.8	18.3	28.9	0.10	0.28	*
Abr															
01-10	24	23.5	0.754	43.917	0.292	0.0	0.0	0.0	0.0	0.0	0.8	8.7	0.10	0.28	*
11-20	24	17.9	0.886	26.979	0.250	0.0	0.0	0.0	0.0	0.0	2.1	8.8	0.11	0.28	*
21-30	23	16.7	1.710	14.942	0.348	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.15	0.29	*
Mai															
01-10	23	9.2	1.096	21.345	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
11-20	22	8.8	1.035	16.996	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-31	23	25.7	1.469	26.795	0.348	0.0	0.0	0.0	0.0	0.0	0.0	14.8	0.18	0.29	*
Jun															
01-10	26	17.2	0.730	50.960	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.27	*
11-20	24	12.7	1.233	19.025	0.458	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.12	0.28	*
21-30	25	3.5	1.862	6.691	0.720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.27	*
Jul															
01-10	25	5.8	1.308	10.994	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.27	*
11-20	26	8.4	0.767	19.033	0.423	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.08	0.27	*
21-31	26	5.4	1.327	8.750	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.27	*
Ago															
01-10	26	8.1	0.693	23.444	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.27	*
11-20	26	3.5	1.458	6.200	0.615	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.27	*
21-31	26	9.6	0.524	47.358	0.615	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.27	*
Set															
01-10	26	10.0	1.045	19.117	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.27	*
11-20	26	6.1	1.297	10.226	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.27	*
21-30	26	22.8	1.828	17.088	0.269	0.0	0.0	0.0	0.0	0.0	6.8	17.1	0.09	0.27	*
Out															
01-10	23	13.0	1.130	18.958	0.391	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.23	0.29	*
11-20	23	25.4	1.759	25.498	0.435	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.23	0.29	*
21-31	22	28.3	0.989	42.046	0.318	0.0	0.0	0.0	0.0	0.0	0.7	12.8	0.15	0.29	*
Nov															
01-10	22	32.9	0.958	53.928	0.364	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.16	0.29	*
11-20	23	39.3	1.158	41.141	0.174	0.0	0.0	0.0	2.3	6.0	11.9	26.0	0.15	0.29	*
21-30	23	38.5	1.747	25.356	0.130	0.0	0.0	0.0	8.9	12.8	18.5	30.9	0.08	0.29	*
Dez															
01-10	22	60.4	1.586	41.905	0.091	0.0	0.0	2.9	15.8	21.0	29.1	47.6	0.14	0.29	*
11-20	21	33.2	1.368	31.828	0.238	0.0	0.0	0.0	0.0	1.8	8.8	22.3	0.18	0.30	*
21-31	20	73.6	1.014	76.338	0.050		1.7	4.3	13.6	18.6	27.4	50.0	0.13	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 53. Precipitação pluviométrica decendial esperada (mm) na estação Campo Alto (1956004), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°00'12" S, 56°05'20" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	35	65.9	2.123	31.027	0.000	12.6	15.1	18.5	28.2	32.7	39.8	55.9	0.11	0.23	*
11-20	35	60.1	1.742	35.508	0.029	5.5	8.3	11.7	21.2	25.6	32.7	49.0	0.07	0.23	*
21-31	35	66.7	1.641	43.134	0.057	0.0	4.1	9.0	20.6	25.9	34.2	53.4	0.05	0.23	*
Fev															
01-10	35	50.9	1.826	29.559	0.057	0.0	4.0	8.0	17.3	21.3	27.6	41.8	0.12	0.23	*
11-20	34	57.2	1.859	32.678	0.059	0.0	4.3	9.1	19.6	24.1	31.2	47.2	0.07	0.23	*
21-28	34	46.9	1.683	29.587	0.059	0.0	2.8	6.4	14.8	18.5	24.3	37.8	0.08	0.23	*
Mar															
01-10	34	41.6	1.198	34.701	0.000	3.2	4.3	5.9	11.3	14.1	18.9	30.7	0.06	0.23	*
11-20	34	35.7	1.250	31.358	0.088	0.0	0.0	1.1	7.1	10.0	14.6	25.9	0.10	0.23	*
21-31	33	34.4	2.518	16.720	0.182	0.0	0.0	0.0	6.7	12.4	18.7	30.2	0.10	0.24	*
Abr															
01-10	35	23.9	1.279	25.185	0.257	0.0	0.0	0.0	0.0	0.0	5.0	15.1	0.11	0.23	*
11-20	35	23.3	1.510	18.611	0.171	0.0	0.0	0.0	2.6	5.3	9.1	17.4	0.07	0.23	*
21-30	35	20.3	1.608	16.958	0.257	0.0	0.0	0.0	0.0	0.0	5.7	14.5	0.11	0.23	*
Mai															
01-10	34	17.8	1.566	20.369	0.441	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.14	0.23	*
11-20	34	15.8	0.947	31.515	0.471	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.17	0.23	*
21-31	34	23.4	1.133	30.553	0.324	0.0	0.0	0.0	0.0	0.0	0.5	11.7	0.14	0.23	*
Jun															
01-10	35	9.6	1.155	19.459	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.23	*
11-20	35	7.3	1.149	15.988	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.23	*
21-30	35	4.4	0.983	17.299	0.743	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.23	*
Jul															
01-10	35	7.7	0.904	21.246	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.23	*
11-20	35	5.5	1.225	19.672	0.771	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.23	*
21-31	35	2.5	6.178	1.402	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.23	*
Ago															
01-10	34	5.6	1.474	12.866	0.706	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.23	*
11-20	34	2.1	1.934	5.303	0.794	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.23	*
21-31	34	6.7	0.993	20.764	0.676	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.23	*
Set															
01-10	35	13.9	1.077	28.167	0.543	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.23	
11-20	35	11.1	1.080	19.890	0.486	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.17	0.23	*
21-30	35	23.7	0.870	39.714	0.314	0.0	0.0	0.0	0.0	0.0	0.5	9.5	0.18	0.23	*
Out															
01-10	35	22.0	0.940	32.773	0.286	0.0	0.0	0.0	0.0	0.0	1.7	10.4	0.12	0.23	*
11-20	35	31.9	1.100	31.731	0.086	0.0	0.0	0.8	5.4	7.8	11.8	22.0	0.07	0.23	*
21-31	35	46.1	1.124	44.845	0.086	0.0	0.0	1.2	8.1	11.5	17.4	32.1	0.13	0.23	*
Nov															
01-10	33	35.8	0.846	46.561	0.091	0.0	0.0	0.2	3.7	5.9	10.1	21.5	0.07	0.24	*
11-20	33	57.8	2.249	28.275	0.091	0.0	0.0	5.9	20.8	25.9	33.5	49.7	0.09	0.24	*
21-30	33	45.0	1.257	39.407	0.091	0.0	0.0	1.1	8.9	12.5	18.4	32.7	0.16	0.24	*
Dez															
01-10	33	311.7	0.410	783.442	0.030	0.0	0.2	1.0	8.4	15.9	34.4	110.1	0.30	0.24	
11-20	33	300.2	0.384	805.315	0.030	0.0	0.1	0.6	6.4	12.6	28.6	97.9	0.36	0.24	
21-31	33	345.8	0.426	836.476	0.030	0.1	0.3	1.3	10.7	19.7	41.5	127.7	0.36	0.24	
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 54. Precipitação pluviométrica decendial esperada (mm) na estação Porto da Manga (1957003), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°15'30" S, 57°14'07" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	57.2	1.873	32.122	0.050		5.9	10.1	20.2	24.6	31.6	47.3	0.11	0.31	*
11-20	20	50.9	1.496	37.810	0.100		0.0	0.0	11.9	16.3	23.3	39.2	0.10	0.31	*
21-31	20	66.3	0.841	82.883	0.050		0.8	2.4	9.1	13.2	20.7	41.1	0.13	0.31	*
Fev															
01-10	21	36.8	1.856	23.135	0.143	0.0	0.0	0.0	8.2	12.3	17.9	29.9	0.13	0.30	*
11-20	20	36.9	3.415	14.411	0.250		0.0	0.0	0.0	0.0	20.2	34.6	0.20	0.31	*
21-28	21	36.2	1.010	41.802	0.143	0.0	0.0	0.0	3.0	5.7	10.5	22.9	0.16	0.30	*
Mar															
01-10	19	40.7	1.065	48.350	0.211		0.0	0.0	0.0	3.1	9.2	24.5	0.15	0.31	*
11-20	18	52.9	1.401	39.957	0.056		2.4	5.6	14.1	18.2	24.8	40.5	0.15	0.32	*
21-31	19	29.7	1.633	31.418	0.421		0.0	0.0	0.0	0.0	0.0	13.8	0.28	0.31	*
Abr															
01-10	17	23.8	0.690	53.383	0.353		0.0	0.0	0.0	0.0	0.0	5.8	0.14	0.33	*
11-20	17	16.7	0.917	23.742	0.235		0.0	0.0	0.0	0.3	2.5	8.7	0.10	0.33	*
21-30	17	20.9	1.204	26.854	0.353		0.0	0.0	0.0	0.0	0.0	10.1	0.18	0.33	*
Mai															
01-10	17	7.3	0.535	29.061	0.529		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.33	*
11-20	17	5.5	1.622	9.671	0.647		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.33	*
21-31	18	27.1	1.645	22.833	0.278		0.0	0.0	0.0	0.0	6.5	19.2	0.14	0.32	*
Jun															
01-10	20	17.0	0.732	51.553	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.31	*
11-20	20	3.7	0.756	13.854	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.31	*
21-30	20	4.9	1.594	8.785	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
Jul															
01-10	18	2.7	1.281	9.426	0.778		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.32	*
11-20	19	6.8	2.766	6.683	0.632		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
21-31	20	1.9	0.615	15.366	0.800		0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.31	*
Ago															
01-10	20	5.5	2.200	9.982	0.750		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
11-20	20	2.1	3.053	3.423	0.800		0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.31	*
21-31	21	9.8	0.861	39.700	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.30	*
Set															
01-10	19	11.0	3.540	9.826	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.31	*
11-20	19	12.2	0.699	47.578	0.632		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
21-30	19	16.1	3.037	10.101	0.474		0.0	0.0	0.0	0.0	0.0	8.5	0.23	0.31	*
Out															
01-10	19	19.9	1.291	26.645	0.421		0.0	0.0	0.0	0.0	0.0	7.2	0.19	0.31	*
11-20	19	17.0	1.378	21.310	0.421		0.0	0.0	0.0	0.0	0.0	6.6	0.15	0.31	*
21-31	19	37.2	1.319	41.206	0.316		0.0	0.0	0.0	0.0	2.5	21.4	0.23	0.31	*
Nov															
01-10	20	23.8	1.305	26.007	0.300		0.0	0.0	0.0	0.0	2.7	14.1	0.20	0.31	*
11-20	20	52.1	1.550	37.339	0.100		0.0	0.0	12.7	17.2	24.4	40.6	0.10	0.31	*
21-30	20	43.3	2.994	17.025	0.150		0.0	0.0	14.8	20.1	26.8	39.6	0.14	0.31	*
Dez															
01-10	19	66.3	1.057	70.118	0.105		0.0	0.0	9.1	14.1	22.7	44.3	0.11	0.31	*
11-20	20	47.0	1.318	37.507	0.050		2.3	4.8	12.0	15.5	21.3	35.3	0.09	0.31	*
21-31	20	43.9	1.796	32.554	0.250		0.0	0.0	0.0	0.0	14.6	33.3	0.16	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 55. Precipitação pluviométrica decendial esperada (mm) na estação Forte Coimbra (1957004), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°55'07" S, 57°47'22" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	26	55.3	1.073	60.918	0.154	0.0	0.0	0.0	4.3	8.9	16.5	35.8	0.12	0.27	*
11-20	26	53.9	1.670	38.167	0.154	0.0	0.0	0.0	9.4	15.4	24.0	42.2	0.18	0.27	*
21-31	25	50.3	1.477	37.045	0.080	0.0	0.0	3.5	12.8	17.0	23.5	38.9	0.13	0.27	*
Fev															
01-10	26	32.0	1.561	23.176	0.115	0.0	0.0	0.0	7.2	10.1	14.7	24.9	0.10	0.27	*
11-20	26	44.1	2.172	22.967	0.115	0.0	0.0	0.0	13.9	18.3	24.5	37.6	0.08	0.27	*
21-28	26	45.9	1.245	43.585	0.154	0.0	0.0	0.0	4.9	9.2	16.0	32.0	0.13	0.27	*
Mar															
01-10	26	49.9	1.905	27.250	0.038	3.9	6.8	10.0	18.4	22.2	28.1	41.5	0.18	0.27	*
11-20	26	37.5	2.491	17.029	0.115	0.0	0.0	0.0	13.3	17.0	22.2	33.0	0.16	0.27	*
21-31	25	39.5	1.828	25.730	0.160	0.0	0.0	0.0	7.2	12.0	18.4	31.8	0.10	0.27	*
Abr															
01-10	26	41.7	1.049	60.815	0.346	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.19	0.27	*
11-20	26	159.0	0.366	537.753	0.192	0.0	0.0	0.0	0.0	0.3	3.1	29.1	0.20	0.27	*
21-30	26	87.3	0.410	346.542	0.385	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.18	0.27	*
Mai															
01-10	27	120.5	0.340	478.159	0.259	0.0	0.0	0.0	0.0	0.0	0.3	12.8	0.18	0.26	*
11-20	27	147.0	0.287	728.094	0.296	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.13	0.26	*
21-31	27	189.8	0.326	873.976	0.333	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.15	0.26	*
Jun															
01-10	27	148.6	0.298	1123.266	0.556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.26	*
11-20	27	123.6	0.333	625.370	0.407	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.12	0.26	*
21-30	27	140.0	0.296	983.750	0.519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.26	*
Jul															
01-10	26	117.8	0.241	906.749	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.27	*
11-20	26	141.7	0.289	1063.828	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	*
21-31	25	4.1	1.644	6.989	0.640	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.27	*
Ago															
01-10	24	156.4	0.287	1005.869	0.458	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.18	0.28	*
11-20	24	112.6	0.275	1229.160	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.28	*
21-31	24	159.6	0.259	1345.380	0.542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.28	*
Set															
01-10	24	174.9	0.305	1058.300	0.458	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.25	0.28	*
11-20	24	149.0	0.334	594.969	0.250	0.0	0.0	0.0	0.0	0.0	0.5	16.1	0.20	0.28	*
21-30	24	158.1	0.338	510.093	0.083	0.0	0.0	0.0	0.8	2.4	7.6	37.3	0.27	0.28	*
Out															
01-10	24	206.3	0.289	1008.219	0.292	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.16	0.28	*
11-20	24	187.1	0.335	744.667	0.250	0.0	0.0	0.0	0.0	0.0	0.7	20.4	0.16	0.28	*
21-31	24	192.2	0.457	438.560	0.042	0.0	0.2	0.7	6.6	12.2	25.3	75.1	0.32	0.28	
Nov															
01-10	24	192.6	0.371	565.651	0.083	0.0	0.0	0.0	1.6	4.2	12.2	52.8	0.24	0.28	*
11-20	24	225.5	0.437	515.517	0.000	0.4	0.9	2.0	10.0	16.8	32.4	90.2	0.35	0.28	
21-30	24	160.9	0.400	438.260	0.083	0.0	0.0	0.0	1.9	4.6	12.5	49.1	0.30	0.28	
Dez															
01-10	25	229.7	0.458	545.463	0.080	0.0	0.0	0.1	4.9	10.6	25.1	83.6	0.23	0.27	*
11-20	25	138.7	0.447	387.468	0.200	0.0	0.0	0.0	0.0	0.6	5.1	35.1	0.16	0.27	*
21-31	25	55.5	1.338	51.834	0.200	0.0	0.0	0.0	0.0	8.0	17.5	38.5	0.15	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 56. Precipitação pluviométrica decendial esperada (mm) na estação Piraputanga - Jacadigo (1957005), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°18'19" S, 57°35'36" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	18	65.3	1.102	62.712	0.056		1.5	4.2	13.1	17.8	25.8	45.8	0.10	0.32	*
11-20	19	47.4	1.168	42.829	0.053		1.5	3.7	10.4	13.9	19.7	34.1	0.12	0.31	*
21-31	19	67.6	1.017	70.154	0.053		1.4	3.8	12.4	17.0	25.1	45.9	0.10	0.31	*
Fev															
01-10	18	56.3	1.333	44.733	0.056		2.3	5.4	14.2	18.5	25.5	42.4	0.12	0.32	*
11-20	18	58.6	1.526	40.656	0.056		3.3	7.2	17.0	21.6	28.9	46.0	0.13	0.32	*
21-28	16	34.5	1.531	24.022	0.063		1.3	3.8	9.8	12.5	16.9	27.0	0.15	0.34	*
Mar															
01-10	17	46.4	1.824	25.437	0.000		9.0	11.3	18.0	21.2	26.3	38.2	0.08	0.33	*
11-20	17	50.2	2.781	19.193	0.059		7.5	12.8	22.7	26.6	32.4	44.8	0.09	0.33	*
21-31	17	40.4	1.723	28.492	0.176		0.0	0.0	5.0	10.4	17.4	31.7	0.12	0.33	*
Abr															
01-10	18	32.7	1.436	24.139	0.056		1.6	3.6	9.0	11.5	15.6	25.2	0.10	0.32	*
11-20	17	38.2	1.668	27.794	0.176		0.0	0.0	4.5	9.5	16.0	29.6	0.17	0.33	*
21-30	17	30.5	1.103	36.138	0.235		0.0	0.0	0.0	1.1	6.1	18.1	0.18	0.33	*
Mai															
01-10	17	15.0	0.785	29.450	0.353		0.0	0.0	0.0	0.0	0.0	4.4	0.12	0.33	*
11-20	19	18.6	0.610	41.383	0.263		0.0	0.0	0.0	0.0	0.7	5.8	0.13	0.31	*
21-31	19	39.6	1.375	32.169	0.105		0.0	0.0	8.1	11.5	16.9	29.5	0.12	0.31	*
Jun															
01-10	19	26.3	0.730	48.929	0.263		0.0	0.0	0.0	0.0	1.6	10.3	0.11	0.31	*
11-20	20	13.2	1.014	20.086	0.350		0.0	0.0	0.0	0.0	0.0	5.4	0.13	0.31	*
21-30	21	20.4	0.490	67.234	0.381	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.10	0.30	*
Jul															
01-10	20	11.2	0.792	23.487	0.400		0.0	0.0	0.0	0.0	0.0	2.4	0.14	0.31	*
11-20	20	17.9	0.740	40.364	0.400		0.0	0.0	0.0	0.0	0.0	3.3	0.15	0.31	*
21-31	20	9.4	1.237	18.893	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	*
Ago															
01-10	20	19.3	0.462	55.711	0.250		0.0	0.0	0.0	0.0	0.3	4.2	0.13	0.31	*
11-20	19	3.7	0.934	9.365	0.579		0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.31	*
21-31	19	9.5	1.126	17.820	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
Set															
01-10	18	24.4	0.631	53.493	0.278		0.0	0.0	0.0	0.0	0.7	7.6	0.20	0.32	*
11-20	20	18.1	0.488	56.942	0.350		0.0	0.0	0.0	0.0	0.0	2.3	0.10	0.31	*
21-30	20	24.5	1.108	26.014	0.150		0.0	0.0	2.2	4.3	7.7	16.2	0.16	0.31	*
Out															
01-10	20	25.7	0.689	39.199	0.050		0.1	0.5	2.4	3.7	6.3	14.1	0.14	0.31	*
11-20	20	35.3	0.639	61.359	0.100		0.0	0.0	1.7	3.2	6.5	17.2	0.11	0.31	*
21-31	20	53.5	1.988	28.312	0.050		6.1	10.2	19.8	23.9	30.4	44.8	0.08	0.31	*
Nov															
01-10	20	46.2	1.015	53.561	0.150		0.0	0.0	3.4	7.0	13.2	29.1	0.11	0.31	*
11-20	19	71.4	3.006	26.558	0.105		0.0	0.0	30.1	36.8	46.1	65.0	0.12	0.31	*
21-30	19	52.2	1.000	52.177	0.000		3.8	5.5	11.7	15.0	20.9	36.2	0.20	0.31	*
Dez															
01-10	19	69.8	1.811	43.109	0.105		0.0	0.0	19.5	26.0	35.6	56.9	0.12	0.31	*
11-20	19	50.4	0.982	51.338	0.000		3.5	5.1	11.0	14.2	19.9	34.7	0.10	0.31	*
21-31	18	57.8	1.628	35.501	0.000		9.7	12.4	20.7	24.7	31.2	46.5	0.13	0.32	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 57. Precipitação pluviométrica decendial esperada (mm) na estação Porto Esperança (1957006), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°36'02" S, 57°26'14" W, 83 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	28	52.9	1.679	35.289	0.107	0.0	0.0	0.0	13.5	18.4	25.7	42.2	0.07	0.26	*
11-20	28	82.0	0.843	108.975	0.107	0.0	0.0	0.0	7.2	12.3	21.8	48.3	0.10	0.26	*
21-31	28	128.8	0.479	327.125	0.179	0.0	0.0	0.0	0.1	1.6	7.6	38.8	0.17	0.26	*
Fev															
01-10	29	106.9	0.476	260.702	0.138	0.0	0.0	0.0	0.8	2.8	8.8	35.7	0.24	0.25	*
11-20	29	127.0	0.605	253.485	0.172	0.0	0.0	0.0	0.8	4.3	14.1	51.6	0.18	0.25	*
21-28	29	99.9	0.543	222.060	0.172	0.0	0.0	0.0	0.3	2.3	8.7	36.0	0.18	0.25	*
Mar															
01-10	29	106.0	0.436	293.610	0.172	0.0	0.0	0.0	0.1	1.0	5.0	28.4	0.18	0.25	*
11-20	29	115.6	0.438	294.098	0.103	0.0	0.0	0.0	1.4	3.6	9.9	37.9	0.20	0.25	*
21-31	29	122.1	0.477	285.697	0.103	0.0	0.0	0.0	2.1	5.0	12.7	44.3	0.22	0.25	*
Abr															
01-10	29	99.4	0.399	360.960	0.310	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.15	0.25	*
11-20	29	98.0	0.427	369.662	0.379	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.26	0.25	
21-30	28	97.9	0.379	451.575	0.429	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.29	0.26	
Mai															
01-10	29	102.7	0.444	479.328	0.517	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.25	
11-20	29	100.1	0.377	384.703	0.310	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.13	0.25	*
21-31	29	103.0	0.361	486.333	0.414	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.23	0.25	*
Jun															
01-10	29	96.7	0.410	489.283	0.517	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.25	*
11-20	29	88.8	0.343	468.653	0.448	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.10	0.25	*
21-30	30	81.2	0.299	740.189	0.633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.25	*
Jul															
01-10	30	81.7	0.268	1306.349	0.767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	*
11-20	30	80.4	0.304	1132.692	0.767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
21-31	30	91.5	0.338	1159.000	0.767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.25	*
Ago															
01-10	27	94.0	0.311	816.101	0.630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.26	*
11-20	27	92.1	0.308	733.119	0.593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.26	*
21-31	27	110.4	0.322	927.048	0.630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.26	*
Set															
01-10	26	98.3	0.324	788.852	0.615	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.27	*
11-20	26	98.8	0.306	645.379	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.27	*
21-30	26	77.0	0.479	199.185	0.192	0.0	0.0	0.0	0.0	0.6	3.9	22.2	0.07	0.27	*
Out															
01-10	27	13.5	1.044	24.978	0.481	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.17	0.26	*
11-20	27	26.4	1.503	27.869	0.370	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.18	0.26	*
21-31	27	28.0	1.931	24.513	0.407	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.23	0.26	*
Nov															
01-10	26	39.5	0.968	53.000	0.231	0.0	0.0	0.0	0.0	1.2	6.7	21.6	0.13	0.27	*
11-20	26	51.4	1.361	42.684	0.115	0.0	0.0	0.0	9.6	14.1	21.3	38.1	0.18	0.27	*
21-30	26	34.5	1.406	29.025	0.154	0.0	0.0	0.0	4.6	8.1	13.4	25.4	0.15	0.27	*
Dez															
01-10	27	48.0	1.472	35.250	0.074	0.0	0.0	3.9	12.5	16.4	22.6	37.1	0.06	0.26	*
11-20	27	44.3	2.726	20.896	0.222	0.0	0.0	0.0	0.0	12.3	23.0	39.4	0.18	0.26	*
21-31	27	56.2	1.095	62.946	0.185	0.0	0.0	0.0	1.7	6.8	15.1	35.5	0.14	0.26	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 58. Precipitação pluviométrica decendial esperada (mm) na estação Tarumã (2057000), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°17'27" S, 57°38'52" W, 81 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	19	60.1	2.505	28.465	0.158		0.0	0.0	16.4	24.1	33.9	52.8	0.14	0.31	*
11-20	19	51.4	1.685	38.623	0.211		0.0	0.0	0.0	9.1	19.4	39.1	0.18	0.31	*
21-31	19	35.3	1.323	33.753	0.211		0.0	0.0	0.0	4.2	10.5	24.1	0.12	0.31	*
Fev															
01-10	18	34.4	1.157	35.717	0.167		0.0	0.0	2.4	5.6	10.7	22.9	0.12	0.32	*
11-20	18	46.9	1.809	33.327	0.222		0.0	0.0	0.0	7.6	18.0	36.4	0.20	0.32	*
21-28	18	35.1	1.266	38.376	0.278		0.0	0.0	0.0	0.0	5.7	21.3	0.19	0.32	*
Mar															
01-10	18	34.9	0.817	69.974	0.389		0.0	0.0	0.0	0.0	0.0	8.6	0.20	0.32	*
11-20	18	46.4	1.564	35.632	0.167		0.0	0.0	6.0	11.4	19.0	35.3	0.13	0.32	*
21-31	19	33.4	1.183	41.295	0.316		0.0	0.0	0.0	0.0	1.7	17.7	0.24	0.31	*
Abr															
01-10	16	47.3	1.513	45.461	0.313		0.0	0.0	0.0	0.0	5.1	30.1	0.20	0.34	*
11-20	17	39.1	1.089	50.865	0.294		0.0	0.0	0.0	0.0	3.5	20.5	0.15	0.33	*
21-30	17	17.7	1.797	18.601	0.471		0.0	0.0	0.0	0.0	0.0	5.5	0.18	0.33	*
Mai															
01-10	16	20.8	1.131	32.674	0.438		0.0	0.0	0.0	0.0	0.0	5.3	0.18	0.34	*
11-20	16	22.1	0.995	39.522	0.438		0.0	0.0	0.0	0.0	0.0	4.6	0.15	0.34	*
21-31	16	19.6	1.250	22.809	0.313		0.0	0.0	0.0	0.0	1.4	11.0	0.17	0.34	*
Jun															
01-10	16	11.4	1.913	11.933	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.34	*
11-20	16	7.3	2.903	6.729	0.625		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.34	*
21-30	16	5.4	2.423	5.916	0.625		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.34	*
Jul															
01-10	15	2.8	0.993	13.895	0.800		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.35	*
11-20	15	3.9	0.845	34.667	0.867		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.35	*
21-31	16	19.7	1.076	48.944	0.625		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.34	*
Ago															
01-10	15	19.2	0.994	72.402	0.733		0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.35	*
11-20	15	2.0	11.247	1.347	0.867		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.35	*
21-31	18	15.1	0.771	44.190	0.556		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.32	*
Set															
01-10	19	44.9	1.094	78.005	0.474		0.0	0.0	0.0	0.0	0.0	5.4	0.24	0.31	*
11-20	15	4.6	1.744	9.963	0.733		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.35	*
21-30	14	29.9	1.951	19.533	0.214			0.0	0.0	6.2	12.6	24.0	0.15	0.37	*
Out															
01-10	12	16.3	1.419	19.642	0.417			0.0	0.0	0.0	0.0	6.7	0.15	0.40	*
11-20	13	23.2	3.053	14.141	0.462			0.0	0.0	0.0	0.0	13.9	0.28	0.38	*
21-31	14	53.3	3.998	16.980	0.214			0.0	0.0	22.4	34.3	51.7	0.19	0.37	*
Nov															
01-10	16	40.5	2.118	20.402	0.063		3.2	7.3	15.2	18.5	23.5	34.4	0.12	0.34	*
11-20	16	38.6	1.103	46.700	0.250		0.0	0.0	0.0	0.0	6.9	22.4	0.17	0.34	*
21-30	16	44.8	1.397	42.788	0.250		0.0	0.0	0.0	0.0	11.2	30.1	0.16	0.34	*
Dez															
01-10	16	66.9	1.229	66.951	0.188		0.0	0.0	2.5	9.7	20.4	45.0	0.18	0.34	*
11-20	16	27.5	3.134	12.745	0.313		0.0	0.0	0.0	0.0	8.7	24.5	0.25	0.34	*
21-31	16	40.0	1.061	43.076	0.125		0.0	0.0	4.6	7.7	13.0	26.4	0.23	0.34	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 59. Precipitação pluviométrica decendial esperada (mm) na estação São Simão (2057001), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°02'59" S, 57°19'17" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	19	59.2	0.974	60.713	0.000		4.1	5.9	12.8	16.6	23.2	40.6	0.11	0.31	*
11-20	19	68.9	2.295	35.660	0.158		0.0	0.0	17.1	25.8	37.1	59.2	0.17	0.31	*
21-31	19	53.7	1.540	38.945	0.105		0.0	0.0	12.6	17.4	24.8	41.7	0.10	0.31	*
Fev															
01-10	19	37.0	2.578	15.150	0.053		5.9	9.2	16.2	19.0	23.3	32.6	0.15	0.31	*
11-20	19	58.8	1.562	44.704	0.158		0.0	0.0	8.7	15.3	24.6	44.9	0.12	0.31	*
21-28	19	44.5	1.585	31.405	0.105		0.0	0.0	10.8	14.8	21.0	34.9	0.08	0.31	*
Mar															
01-10	20	35.6	1.326	29.812	0.100		0.0	0.0	7.2	10.1	14.9	26.3	0.11	0.31	*
11-20	20	48.2	1.782	28.484	0.050		4.6	8.0	16.4	20.1	26.0	39.4	0.11	0.31	*
21-31	20	33.3	1.608	25.909	0.200		0.0	0.0	0.0	6.4	12.6	25.1	0.10	0.31	*
Abr															
01-10	20	34.0	0.994	48.869	0.300		0.0	0.0	0.0	0.0	2.1	16.3	0.13	0.31	*
11-20	20	34.6	1.721	28.741	0.300		0.0	0.0	0.0	0.0	6.5	24.3	0.19	0.31	*
21-30	20	22.1	1.011	36.481	0.400		0.0	0.0	0.0	0.0	0.0	6.8	0.14	0.31	*
Mai															
01-10	19	15.3	0.890	29.705	0.421		0.0	0.0	0.0	0.0	0.0	3.2	0.18	0.31	*
11-20	19	18.0	1.047	32.734	0.474		0.0	0.0	0.0	0.0	0.0	2.0	0.21	0.31	*
21-31	19	26.9	1.306	27.929	0.263		0.0	0.0	0.0	0.0	5.5	17.0	0.21	0.31	*
Jun															
01-10	20	13.8	1.247	18.464	0.400		0.0	0.0	0.0	0.0	0.0	5.5	0.23	0.31	*
11-20	20	13.6	0.847	32.136	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	*
21-30	20	10.2	2.295	9.847	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
Jul															
01-10	20	5.8	1.035	16.098	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
11-20	20	3.3	1.212	6.818	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
21-31	20	5.7	1.816	6.222	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
Ago															
01-10	19	14.9	1.099	28.703	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
11-20	19	1.5	3.148	1.785	0.737		0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.31	*
21-31	19	5.8	0.936	14.715	0.579		0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.31	*
Set															
01-10	18	21.2	1.279	33.181	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.32	*
11-20	18	12.4	1.215	18.434	0.444		0.0	0.0	0.0	0.0	0.0	3.3	0.21	0.32	*
21-30	18	21.7	1.288	20.257	0.167		0.0	0.0	1.9	4.2	7.5	15.2	0.09	0.32	*
Out															
01-10	18	17.7	0.956	27.735	0.333		0.0	0.0	0.0	0.0	0.0	7.3	0.14	0.32	*
11-20	18	34.6	1.254	35.470	0.222		0.0	0.0	0.0	2.9	9.1	22.7	0.17	0.32	*
21-31	18	39.4	1.521	31.107	0.167		0.0	0.0	4.9	9.4	15.8	29.7	0.12	0.32	*
Nov															
01-10	20	54.1	2.200	27.317	0.100		0.0	0.0	18.5	23.5	30.8	46.3	0.10	0.31	*
11-20	20	53.1	0.888	62.991	0.050		0.8	2.2	8.0	11.4	17.5	33.9	0.14	0.31	*
21-30	20	41.4	1.209	36.024	0.050		1.6	3.6	9.6	12.6	17.7	30.2	0.07	0.31	*
Dez															
01-10	20	74.5	1.364	60.692	0.100		0.0	0.0	15.5	21.8	31.9	55.6	0.15	0.31	*
11-20	20	29.3	1.030	33.465	0.150		0.0	0.0	2.2	4.5	8.5	18.6	0.12	0.31	*
21-31	20	55.3	1.277	48.065	0.100		0.0	0.0	10.6	15.1	22.5	40.2	0.12	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 60. Precipitação pluviométrica decendial esperada (mm) na estação Baía Negra (2058001), Município de Corumbá, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°12'00" S, 58°10'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	13	51.2	0.848	65.405	0.077			0.8	6.0	9.2	15.0	31.2	0.13	0.38	*
11-20	13	57.2	1.242	49.873	0.077			2.9	12.1	16.5	23.8	41.6	0.18	0.38	*
21-31	13	38.0	1.317	31.213	0.077			2.2	8.6	11.6	16.5	28.2	0.15	0.38	*
Fev															
01-10	13	25.8	0.704	47.683	0.231			0.0	0.0	0.2	2.3	10.7	0.17	0.38	*
11-20	13	62.3	3.047	26.559	0.231			0.0	0.0	17.0	33.7	56.8	0.20	0.38	*
21-28	13	28.8	2.696	13.902	0.231			0.0	0.0	6.8	14.5	25.5	0.23	0.38	*
Mar															
01-10	13	45.3	1.059	46.356	0.077			1.5	7.7	11.0	16.6	30.9	0.15	0.38	*
11-20	13	37.6	1.072	38.024	0.077			1.3	6.5	9.2	13.9	25.8	0.11	0.38	*
21-31	13	36.0	1.031	41.212	0.154			0.0	2.6	5.4	10.3	22.7	0.16	0.38	*
Abr															
01-10	13	38.3	3.494	17.804	0.385			0.0	0.0	0.0	0.0	33.0	0.26	0.38	*
11-20	13	25.1	0.788	46.109	0.308			0.0	0.0	0.0	0.5	9.2	0.13	0.38	*
21-30	13	9.3	1.542	11.230	0.462			0.0	0.0	0.0	0.0	2.7	0.19	0.38	*
Mai															
01-10	13	23.7	1.803	28.489	0.538			0.0	0.0	0.0	0.0	0.0	0.29	0.38	*
11-20	13	17.1	1.479	21.411	0.462			0.0	0.0	0.0	0.0	4.7	0.23	0.38	*
21-31	13	18.7	0.713	37.875	0.308			0.0	0.0	0.0	0.3	6.0	0.13	0.38	*
Jun															
01-10	13	11.2	2.153	13.499	0.615			0.0	0.0	0.0	0.0	0.0	0.22	0.38	*
11-20	13	11.2	1.457	14.326	0.462			0.0	0.0	0.0	0.0	3.0	0.16	0.38	*
21-30	13	4.9	3.144	2.912	0.462			0.0	0.0	0.0	0.0	3.0	0.07	0.38	*
Jul															
01-10	12	5.1	1.227	7.172	0.417			0.0	0.0	0.0	0.0	1.8	0.09	0.40	*
11-20	13	10.2	1.035	32.040	0.692			0.0	0.0	0.0	0.0	0.0	0.20	0.38	*
21-31	13	14.5	0.763	49.249	0.615			0.0	0.0	0.0	0.0	0.0	0.16	0.38	*
Ago															
01-10	13	21.1	1.420	38.718	0.615			0.0	0.0	0.0	0.0	0.0	0.22	0.38	*
11-20	13	4.3	0.703	26.462	0.769			0.0	0.0	0.0	0.0	0.0	0.18	0.38	*
21-31	13	2.6	6.500	0.869	0.538			0.0	0.0	0.0	0.0	0.0	0.07	0.38	*
Set															
01-10	12	3.2	1.938	4.993	0.667			0.0	0.0	0.0	0.0	0.0	0.15	0.40	*
11-20	12	6.5	1.353	11.482	0.583			0.0	0.0	0.0	0.0	0.0	0.17	0.40	*
21-30	12	34.2	1.403	26.576	0.083			1.8	8.1	10.9	15.4	25.9	0.13	0.40	*
Out															
01-10	12	16.1	0.615	39.260	0.333			0.0	0.0	0.0	0.0	3.7	0.14	0.40	*
11-20	12	24.2	1.224	29.636	0.333			0.0	0.0	0.0	0.0	12.6	0.23	0.40	*
21-31	12	44.8	1.765	30.467	0.167			0.0	7.0	12.6	20.1	35.6	0.18	0.40	*
Nov															
01-10	13	17.8	1.122	20.681	0.231			0.0	0.0	0.8	3.8	10.8	0.12	0.38	*
11-20	13	40.2	2.550	17.078	0.077			7.4	16.5	19.9	24.9	35.4	0.10	0.38	*
21-30	13	54.7	1.195	49.602	0.077			2.5	11.0	15.2	22.1	39.3	0.30	0.38	*
Dez															
01-10	13	71.5	1.308	64.634	0.154			0.0	8.3	15.3	26.1	50.9	0.13	0.38	*
11-20	13	24.5	1.326	21.809	0.154			0.0	2.9	5.3	9.0	17.5	0.11	0.38	*
21-31	13	37.6	0.764	53.285	0.077			0.4	3.6	5.7	9.8	21.5	0.16	0.38	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 61. Precipitação pluviométrica decendial esperada (mm) na estação Costa Rica (1853004), Município de Costa Rica, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°32'48" S, 53°08'02" W, 545 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	22	110.6	3.656	30.261	0.000	35.4	40.1	45.9	61.5	68.2	78.5	100.7	0.11	0.29 *
11-20	22	82.3	3.068	26.824	0.000	22.9	26.3	30.7	42.5	47.8	55.9	73.5	0.13	0.29 *
21-31	22	100.5	2.422	41.510	0.000	22.3	26.3	31.6	46.3	53.0	63.6	87.1	0.09	0.29 *
Fev														
01-10	23	85.8	5.656	15.163	0.000	36.2	39.7	44.0	54.9	59.5	66.4	80.8	0.10	0.29 *
11-20	23	77.6	4.355	18.632	0.043	16.4	24.5	31.0	44.3	49.5	57.2	72.9	0.08	0.29 *
21-28	23	57.0	3.663	16.253	0.043	9.9	15.5	20.3	30.3	34.3	40.2	52.6	0.05	0.29 *
Mar														
01-10	23	90.6	3.024	29.952	0.000	24.9	28.6	33.4	46.5	52.3	61.3	80.8	0.07	0.29 *
11-20	23	79.4	2.726	29.108	0.000	19.8	23.1	27.3	38.8	44.0	52.1	69.9	0.11	0.29 *
21-31	23	65.9	3.724	19.389	0.087	0.0	0.0	15.4	33.0	38.4	46.2	61.7	0.10	0.29 *
Abr														
01-10	21	56.3	1.604	36.855	0.048	1.1	4.7	8.2	17.6	21.9	28.8	44.9	0.11	0.30 *
11-20	21	61.4	1.375	49.408	0.095	0.0	0.0	1.3	13.3	18.4	26.7	46.1	0.20	0.30 *
21-30	21	24.4	1.500	19.013	0.143	0.0	0.0	0.0	4.1	6.6	10.3	18.5	0.07	0.30 *
Mai														
01-10	21	17.4	1.272	22.101	0.381	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.21	0.30 *
11-20	21	20.8	1.680	21.676	0.429	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.19	0.30 *
21-31	22	33.5	0.977	47.152	0.273	0.0	0.0	0.0	0.0	0.0	3.6	16.9	0.17	0.29 *
Jun														
01-10	22	8.8	0.746	37.024	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29 *
11-20	22	6.2	1.094	41.516	0.864	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29 *
21-30	22	3.8	2.997	4.693	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29 *
Jul														
01-10	23	2.0	19.154	0.596	0.826	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29 *
11-20	23	3.2	0.878	20.808	0.826	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29 *
21-31	23	9.2	1.537	27.568	0.783	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29 *
Ago														
01-10	22	4.5	1.008	16.462	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29 *
11-20	22	4.8	3.386	6.214	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29 *
21-31	22	20.1	1.061	37.894	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29 *
Set														
01-10	22	19.4	1.171	24.315	0.318	0.0	0.0	0.0	0.0	0.0	0.8	10.2	0.08	0.29 *
11-20	22	20.9	2.604	9.818	0.182	0.0	0.0	0.0	4.2	7.8	11.6	18.5	0.09	0.29 *
21-30	22	34.9	0.810	49.801	0.136	0.0	0.0	0.0	1.9	3.9	7.9	19.4	0.11	0.29 *
Out														
01-10	22	31.6	1.425	23.241	0.045	0.6	2.2	3.9	8.9	11.3	15.2	24.4	0.08	0.29 *
11-20	22	43.9	2.226	22.855	0.136	0.0	0.0	0.0	12.6	17.4	24.0	37.6	0.16	0.29 *
21-31	22	55.5	3.557	16.358	0.045	8.3	14.4	19.2	29.1	33.0	38.9	51.1	0.07	0.29 *
Nov														
01-10	22	60.7	2.261	26.862	0.000	12.5	14.9	18.0	26.9	31.0	37.5	52.1	0.10	0.29 *
11-20	22	62.9	1.664	37.816	0.000	8.7	10.9	13.8	22.9	27.2	34.3	50.9	0.11	0.29 *
21-30	22	64.4	1.629	39.533	0.000	8.6	10.8	13.8	23.0	27.5	34.7	51.8	0.17	0.29 *
Dez														
01-10	22	69.6	2.675	28.599	0.091	0.0	0.0	9.4	28.4	34.5	43.4	61.9	0.11	0.29 *
11-20	22	82.5	2.529	32.614	0.000	19.1	22.5	26.8	38.9	44.3	52.9	71.9	0.07	0.29 *
21-31	22	96.0	3.712	25.851	0.000	31.1	35.1	40.2	53.6	59.4	68.4	87.5	0.08	0.29 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 62. Precipitação pluviométrica decendial esperada (mm) na estação Cachoeira Pólvora (1853002), Município de Coxim, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°11'54" S, 54°16'41" W, 316 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	95.7	3.629	26.368	0.000	30.5	34.5	39.6	53.0	58.9	67.8	87.1	0.12	0.30	*
11-20	21	67.1	2.612	25.702	0.000	16.1	18.8	22.4	32.2	36.6	43.5	58.8	0.09	0.30	*
21-31	21	90.3	2.476	36.475	0.000	20.5	24.1	28.9	42.1	48.1	57.5	78.5	0.10	0.30	*
Fev															
01-10	20	85.1	2.113	40.253	0.000		19.4	23.8	36.3	42.1	51.3	72.1	0.16	0.31	*
11-20	21	65.7	2.472	27.925	0.048	4.1	11.0	16.4	28.3	33.3	40.9	57.5	0.09	0.30	*
21-28	21	42.2	1.819	23.191	0.000	6.6	8.1	10.2	16.3	19.2	23.9	34.8	0.06	0.30	*
Mar															
01-10	21	51.3	1.418	37.958	0.048	0.7	3.3	6.2	14.3	18.1	24.4	39.4	0.15	0.30	*
11-20	21	59.7	2.304	25.895	0.000	12.5	14.9	18.0	26.7	30.8	37.1	51.3	0.11	0.30	*
21-31	21	49.3	1.161	46.919	0.095	0.0	0.0	0.5	8.5	12.3	18.8	34.6	0.13	0.30	*
Abr															
01-10	20	23.5	0.883	31.370	0.150		0.0	0.0	1.2	2.8	5.6	13.6	0.08	0.31	*
11-20	20	22.5	1.710	16.423	0.200		0.0	0.0	0.0	4.7	8.9	17.3	0.10	0.31	*
21-30	20	13.5	0.950	25.908	0.450		0.0	0.0	0.0	0.0	0.0	2.1	0.14	0.31	*
Mai															
01-10	21	10.4	2.368	9.182	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.30	*
11-20	21	16.6	0.900	27.617	0.333	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.17	0.30	*
21-31	21	29.9	0.981	35.534	0.143	0.0	0.0	0.0	2.3	4.5	8.4	18.6	0.12	0.30	*
Jun															
01-10	22	9.4	0.684	43.115	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	22	6.8	0.488	43.559	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-30	22	5.1	3.030	6.122	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
Jul															
01-10	22	1.0	0.363	30.586	0.909	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
11-20	23	10.4	0.656	40.469	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-31	22	7.9	2.723	10.569	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
Ago															
01-10	22	4.2	0.871	17.522	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
11-20	22	4.0	0.618	23.484	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	22	6.0	0.596	24.562	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
Set															
01-10	20	17.7	1.117	24.363	0.350		0.0	0.0	0.0	0.0	0.0	8.0	0.16	0.31	*
11-20	20	26.7	1.415	25.126	0.250		0.0	0.0	0.0	0.0	6.8	18.0	0.14	0.31	*
21-30	20	26.5	0.929	35.605	0.200		0.0	0.0	0.0	1.8	5.3	14.8	0.12	0.31	*
Out															
01-10	20	30.6	0.953	32.142	0.000		2.0	2.9	6.4	8.4	11.8	20.8	0.13	0.31	*
11-20	20	29.9	1.034	32.137	0.100		0.0	0.0	4.1	6.3	10.1	19.8	0.06	0.31	*
21-31	20	45.5	1.079	42.111	0.000		3.9	5.5	11.1	14.1	19.3	32.4	0.12	0.31	*
Nov															
01-10	22	52.3	0.902	57.977	0.000	2.0	3.0	4.5	10.2	13.5	19.3	34.7	0.13	0.29	*
11-20	22	59.1	2.551	25.487	0.091	0.0	0.0	7.4	23.3	28.5	36.2	52.1	0.09	0.29	*
21-30	22	68.9	1.665	41.363	0.000	9.5	11.9	15.2	25.0	29.8	37.5	55.7	0.17	0.29	*
Dez															
01-10	21	50.1	1.633	30.669	0.000	6.7	8.4	10.8	18.0	21.4	27.1	40.3	0.11	0.30	*
11-20	21	72.8	3.566	20.414	0.000	22.9	25.9	29.8	40.0	44.5	51.4	66.1	0.15	0.30	*
21-31	21	73.6	3.045	24.167	0.000	20.3	23.4	27.3	37.9	42.6	49.9	65.7	0.10	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 63. Precipitação pluviométrica decendial esperada (mm) na estação Coxim (1854004), Município de Coxim, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°25'60" S, 54°48'00" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	18	85.2	1.989	42.864	0.000		18.2	22.5	35.0	40.8	50.2	71.5	0.16	0.32	*
11-20	17	55.9	1.327	42.105	0.000		6.9	9.3	16.8	20.7	27.1	42.6	0.16	0.33	*
21-31	18	91.1	2.077	43.851	0.000		20.4	25.1	38.4	44.6	54.5	77.0	0.17	0.32	*
Fev															
01-10	18	62.6	2.000	33.124	0.056		6.2	11.4	22.9	27.8	35.5	52.5	0.11	0.32	*
11-20	18	80.8	2.380	35.938	0.056		10.6	18.1	33.4	39.7	49.3	70.2	0.11	0.32	*
21-28	18	51.9	1.514	36.264	0.056		2.9	6.3	15.0	19.0	25.5	40.6	0.20	0.32	*
Mar															
01-10	18	33.9	2.975	12.078	0.056		6.1	9.5	16.0	18.6	22.4	30.6	0.08	0.32	*
11-20	18	51.6	0.925	55.811	0.000		3.1	4.7	10.4	13.7	19.4	34.6	0.13	0.32	*
21-31	19	37.5	1.455	28.765	0.105		0.0	0.0	8.2	11.5	16.6	28.5	0.11	0.31	*
Abr															
01-10	19	32.3	1.240	29.101	0.105		0.0	0.0	5.7	8.4	12.7	23.2	0.08	0.31	*
11-20	19	20.2	0.676	43.701	0.316		0.0	0.0	0.0	0.0	0.1	5.8	0.22	0.31	*
21-30	18	15.4	0.881	22.528	0.222		0.0	0.0	0.0	0.5	2.4	8.0	0.10	0.32	*
Mai															
01-10	18	24.3	0.625	53.773	0.278		0.0	0.0	0.0	0.0	0.7	7.4	0.15	0.32	*
11-20	18	6.2	0.575	21.679	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.32	*
21-31	18	28.3	0.665	51.040	0.167		0.0	0.0	0.3	1.4	3.9	12.8	0.15	0.32	*
Jun															
01-10	20	10.3	0.652	31.518	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.31	*
11-20	19	6.0	1.532	8.331	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.31	*
21-30	20	12.1	0.625	38.855	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.31	*
Jul															
01-10	20	4.3	0.506	28.136	0.700		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.31	*
11-20	21	8.5	0.668	33.359	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	*
21-31	20	7.8	0.547	28.635	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.31	*
Ago															
01-10	22	9.5	0.460	56.598	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
11-20	21	5.9	2.487	12.373	0.810	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
21-31	21	9.5	1.058	20.855	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	*
Set															
01-10	19	14.9	1.048	16.875	0.158		0.0	0.0	1.0	2.2	4.3	9.5	0.09	0.31	*
11-20	19	18.3	0.953	26.032	0.263		0.0	0.0	0.0	0.0	2.1	9.2	0.17	0.31	*
21-30	19	29.1	1.066	32.442	0.158		0.0	0.0	2.1	4.5	8.5	18.7	0.18	0.31	*
Out															
01-10	18	28.9	1.319	23.158	0.056		1.1	2.7	7.2	9.4	13.0	21.6	0.12	0.32	*
11-20	18	34.7	1.766	19.624	0.000		6.5	8.1	13.1	15.5	19.4	28.4	0.11	0.32	*
21-31	19	43.3	1.150	42.112	0.105		0.0	0.0	6.8	10.3	16.0	30.1	0.14	0.31	*
Nov															
01-10	20	59.7	1.167	51.143	0.000		5.9	8.2	15.8	19.9	26.7	43.8	0.09	0.31	*
11-20	20	55.4	1.085	53.740	0.050		1.6	3.8	11.2	15.1	21.8	38.7	0.21	0.31	*
21-30	21	53.9	3.041	18.624	0.048	5.1	11.6	16.2	26.1	30.1	36.0	48.7	0.07	0.30	*
Dez															
01-10	21	49.1	2.037	24.100	0.000	8.9	10.8	13.3	20.5	23.8	29.2	41.3	0.12	0.30	*
11-20	20	44.0	1.501	30.840	0.050		3.0	5.6	12.8	16.2	21.6	34.4	0.11	0.31	*
21-31	20	57.1	1.638	38.738	0.100		0.0	0.0	14.8	19.8	27.7	45.3	0.10	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 64. Precipitação pluviométrica decendial esperada (mm) na estação Porto Wilma (2254004), Município de Deodápolis, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°04'29" S, 54°11'19" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	49.6	1.298	50.939	0.250		0.0	0.0	0.0	0.0	11.2	31.9	0.17	0.31	*
11-20	20	54.1	2.072	29.006	0.100		0.0	0.0	17.6	22.5	29.9	45.7	0.10	0.31	*
21-31	19	53.3	1.027	54.764	0.053		1.1	3.1	9.9	13.6	19.9	36.4	0.21	0.31	*
Fev															
01-10	20	41.2	2.371	17.382	0.000		10.6	12.7	18.8	21.5	25.9	35.6	0.16	0.31	*
11-20	20	58.0	1.808	33.789	0.050		5.7	9.8	19.9	24.4	31.5	47.6	0.10	0.31	*
21-28	20	39.0	0.943	45.948	0.100		0.0	0.0	4.6	7.3	12.0	24.7	0.11	0.31	*
Mar															
01-10	20	33.2	1.885	20.688	0.150		0.0	0.0	7.1	10.9	16.1	27.0	0.12	0.31	*
11-20	20	29.5	1.247	29.590	0.200		0.0	0.0	0.0	3.7	8.6	19.7	0.10	0.31	*
21-31	20	44.5	1.905	25.923	0.100		0.0	0.0	13.4	17.4	23.5	36.8	0.11	0.31	*
Abr															
01-10	20	22.7	1.036	27.382	0.200		0.0	0.0	0.0	2.0	5.3	13.6	0.11	0.31	*
11-20	20	43.6	1.155	53.985	0.300		0.0	0.0	0.0	0.0	3.9	23.7	0.18	0.31	*
21-30	19	14.8	0.602	38.902	0.368		0.0	0.0	0.0	0.0	0.0	2.5	0.11	0.31	*
Mai															
01-10	19	19.4	1.239	21.227	0.263		0.0	0.0	0.0	0.0	3.6	11.9	0.18	0.31	*
11-20	19	43.0	1.014	50.328	0.158		0.0	0.0	2.7	6.1	11.9	26.8	0.16	0.31	*
21-31	18	32.7	1.272	38.529	0.333		0.0	0.0	0.0	0.0	0.0	17.5	0.23	0.32	*
Jun															
01-10	19	26.5	0.796	42.159	0.211		0.0	0.0	0.0	0.9	3.8	12.9	0.09	0.31	*
11-20	19	20.1	1.361	25.491	0.421		0.0	0.0	0.0	0.0	0.0	7.7	0.19	0.31	*
21-30	20	18.5	1.904	14.982	0.350		0.0	0.0	0.0	0.0	0.0	12.6	0.18	0.31	*
Jul															
01-10	19	17.7	1.495	18.759	0.368		0.0	0.0	0.0	0.0	0.0	9.7	0.14	0.31	*
11-20	19	8.7	0.612	30.116	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
21-31	19	15.1	1.836	15.643	0.474		0.0	0.0	0.0	0.0	0.0	4.6	0.19	0.31	*
Ago															
01-10	19	17.8	1.354	22.697	0.421		0.0	0.0	0.0	0.0	0.0	6.8	0.15	0.31	*
11-20	19	8.5	0.799	33.567	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
21-31	20	31.1	1.360	41.524	0.450		0.0	0.0	0.0	0.0	0.0	9.0	0.23	0.31	*
Set															
01-10	19	30.7	1.356	35.845	0.368		0.0	0.0	0.0	0.0	0.0	15.5	0.24	0.31	*
11-20	19	17.7	1.449	17.854	0.316		0.0	0.0	0.0	0.0	1.5	10.9	0.11	0.31	*
21-30	19	40.1	1.322	35.977	0.158		0.0	0.0	4.5	8.5	14.6	28.6	0.19	0.31	*
Out															
01-10	19	38.6	1.153	39.805	0.158		0.0	0.0	3.3	6.7	12.3	25.8	0.13	0.31	*
11-20	19	41.2	1.090	42.258	0.105		0.0	0.0	6.0	9.1	14.5	28.0	0.12	0.31	*
21-31	18	44.9	1.743	29.012	0.111		0.0	0.0	11.7	15.9	22.2	36.2	0.11	0.32	*
Nov															
01-10	19	52.2	2.153	28.775	0.158		0.0	0.0	12.0	18.5	27.1	44.1	0.14	0.31	*
11-20	18	56.4	1.311	48.435	0.111		0.0	0.0	10.3	15.2	22.9	41.3	0.12	0.32	*
21-30	19	52.3	1.392	41.995	0.105		0.0	0.0	10.8	15.3	22.5	39.2	0.14	0.31	*
Dez															
01-10	20	62.4	1.601	43.308	0.100		0.0	0.0	15.7	21.3	29.8	49.1	0.14	0.31	*
11-20	20	43.3	1.450	31.435	0.050		2.7	5.2	12.2	15.5	20.9	33.5	0.11	0.31	*
21-31	20	39.1	1.550	29.645	0.150		0.0	0.0	6.4	10.5	16.5	29.8	0.12	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 65. Precipitação pluviométrica decendial esperada (mm) na estação Palmeiras - Jango (2055002), Município de Dois Irmãos do Buriti, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°26'53" S, 55°25'39" W, 162 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	52.5	2.343	22.398	0.000		13.3	16.0	23.8	27.3	32.8	45.2	0.11	0.31	*
11-20	20	47.0	3.001	18.420	0.150		0.0	0.0	16.1	21.9	29.1	42.9	0.11	0.31	*
21-31	19	53.1	3.198	18.550	0.105		0.0	0.0	23.3	28.2	35.0	48.8	0.16	0.31	*
Fev															
01-10	22	49.1	2.071	24.824	0.045	2.8	6.7	10.3	18.9	22.7	28.5	41.5	0.08	0.29	*
11-20	22	61.6	2.948	21.879	0.045	6.9	13.2	18.3	29.4	34.0	40.8	55.3	0.10	0.29	*
21-28	22	29.9	1.501	23.071	0.136	0.0	0.0	0.0	5.4	8.3	12.8	22.7	0.08	0.29	*
Mar															
01-10	22	48.9	1.407	38.202	0.091	0.0	0.0	1.7	11.2	15.2	21.7	37.0	0.09	0.29	*
11-20	21	47.7	1.458	32.672	0.000	5.3	6.8	9.0	15.6	18.9	24.3	37.3	0.13	0.30	*
21-31	21	35.6	1.501	27.627	0.143	0.0	0.0	0.0	6.0	9.6	15.0	26.9	0.15	0.30	*
Abr															
01-10	23	30.9	1.536	27.177	0.261	0.0	0.0	0.0	0.0	0.0	8.0	21.5	0.14	0.29	*
11-20	23	35.8	1.419	34.091	0.261	0.0	0.0	0.0	0.0	0.0	8.3	23.9	0.19	0.29	*
21-30	23	25.9	0.960	34.494	0.217	0.0	0.0	0.0	0.0	1.3	4.8	14.4	0.10	0.29	*
Mai															
01-10	23	19.4	1.352	22.058	0.348	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.12	0.29	*
11-20	23	27.9	0.770	55.524	0.348	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.19	0.29	*
21-31	24	39.3	1.455	36.040	0.250	0.0	0.0	0.0	0.0	0.0	10.3	27.0	0.14	0.28	*
Jun															
01-10	21	16.6	1.215	22.044	0.381	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.13	0.30	*
11-20	21	19.7	1.357	23.403	0.381	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.15	0.30	*
21-30	21	13.7	1.348	17.785	0.429	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.17	0.30	*
Jul															
01-10	22	4.6	1.790	6.345	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
11-20	22	13.6	1.185	25.191	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
21-31	22	9.9	0.832	32.578	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
Ago															
01-10	23	11.9	1.211	22.640	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	23	6.6	1.001	21.664	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
21-31	23	16.1	1.111	30.291	0.522	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
Set															
01-10	23	24.4	0.803	53.810	0.435	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.21	0.29	*
11-20	23	18.9	1.325	21.853	0.348	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.16	0.29	*
21-30	23	32.5	1.040	34.277	0.087	0.0	0.0	0.6	5.0	7.4	11.4	21.9	0.07	0.29	*
Out															
01-10	20	30.4	0.631	50.729	0.050		0.1	0.4	2.4	3.8	6.7	15.7	0.11	0.31	*
11-20	20	51.0	2.108	26.889	0.100		0.0	0.0	16.8	21.5	28.4	43.3	0.10	0.31	*
21-31	19	64.3	2.442	26.316	0.000		16.9	20.3	29.7	34.0	40.7	55.7	0.15	0.31	*
Nov															
01-10	20	49.1	1.448	35.720	0.050		3.0	5.9	13.8	17.6	23.6	38.0	0.14	0.31	*
11-20	20	59.9	1.600	41.567	0.100		0.0	0.0	15.1	20.4	28.6	47.1	0.11	0.31	*
21-30	20	52.4	1.666	37.008	0.150		0.0	0.0	9.5	15.2	23.4	41.1	0.15	0.31	*
Dez															
01-10	20	64.9	3.077	21.096	0.000		20.8	24.2	33.6	37.7	44.1	58.0	0.14	0.31	*
11-20	20	54.1	1.676	32.278	0.000		9.4	12.0	19.8	23.5	29.6	43.8	0.11	0.31	*
21-31	20	77.1	1.238	69.256	0.100		0.0	0.0	14.1	20.4	30.6	55.5	0.13	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 66. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Lajeado (2055003), Município de Dois Irmãos do Buriti, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°17'29" S, 55°26'41" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	19	60.9	1.604	37.961	0.000		10.0	12.9	21.5	25.7	32.6	48.8	0.11	0.31	*
11-20	19	45.3	1.064	44.893	0.053		1.1	2.8	8.8	12.0	17.4	31.4	0.11	0.31	*
21-31	19	50.1	1.616	31.020	0.000		8.3	10.7	17.8	21.3	26.9	40.3	0.15	0.31	*
Fev															
01-10	19	52.5	1.547	33.942	0.000		8.2	10.6	18.0	21.7	27.6	41.7	0.20	0.31	*
11-20	19	37.7	1.877	23.880	0.158		0.0	0.0	7.3	11.9	18.0	30.7	0.15	0.31	*
21-28	19	34.8	1.030	37.707	0.105		0.0	0.0	4.6	7.1	11.6	22.9	0.09	0.31	*
Mar															
01-10	19	53.5	0.931	60.712	0.053		0.8	2.4	8.6	12.1	18.3	34.9	0.08	0.31	*
11-20	19	59.1	1.081	57.728	0.053		1.5	3.9	11.7	15.9	23.1	41.2	0.11	0.31	*
21-31	19	38.0	2.223	19.128	0.105		0.0	0.0	12.8	16.4	21.6	32.6	0.10	0.31	*
Abr															
01-10	19	30.2	0.847	45.113	0.211		0.0	0.0	0.0	1.2	4.8	15.4	0.16	0.31	*
11-20	19	41.7	0.998	46.730	0.105		0.0	0.0	5.2	8.2	13.5	27.1	0.12	0.31	*
21-30	19	18.7	1.374	19.880	0.316		0.0	0.0	0.0	0.0	1.4	11.1	0.10	0.31	*
Mai															
01-10	20	14.1	2.498	11.299	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
11-20	20	26.6	1.375	27.663	0.300		0.0	0.0	0.0	0.0	3.4	16.4	0.21	0.31	*
21-31	20	47.7	0.889	59.691	0.100		0.0	0.0	5.0	8.1	13.8	29.3	0.19	0.31	*
Jun															
01-10	20	17.0	1.562	15.576	0.300		0.0	0.0	0.0	0.0	2.7	11.3	0.13	0.31	*
11-20	20	17.6	0.740	43.341	0.450		0.0	0.0	0.0	0.0	0.0	1.5	0.26	0.31	*
21-30	20	12.5	1.051	21.580	0.450		0.0	0.0	0.0	0.0	0.0	2.4	0.18	0.31	*
Jul															
01-10	19	5.1	2.353	5.841	0.632		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
11-20	19	9.5	4.688	4.290	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.31	*
21-31	19	8.6	0.888	20.566	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
Ago															
01-10	20	14.3	0.597	47.987	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
11-20	20	6.0	0.661	25.956	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
21-31	20	12.7	1.005	28.026	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.31	*
Set															
01-10	20	27.7	1.544	27.626	0.350		0.0	0.0	0.0	0.0	0.0	16.4	0.19	0.31	*
11-20	20	23.0	1.456	24.297	0.350		0.0	0.0	0.0	0.0	0.0	13.1	0.18	0.31	*
21-30	20	27.7	1.398	23.262	0.150		0.0	0.0	3.8	6.6	10.8	20.3	0.08	0.31	*
Out															
01-10	20	35.7	0.765	51.813	0.100		0.0	0.0	2.7	4.7	8.6	19.9	0.12	0.31	*
11-20	20	40.7	1.665	24.432	0.000		7.0	9.0	14.8	17.6	22.2	32.9	0.10	0.31	*
21-31	20	52.3	1.315	39.771	0.000		6.4	8.6	15.6	19.2	25.2	39.8	0.11	0.31	*
Nov															
01-10	20	40.3	1.642	25.841	0.050		3.3	5.9	12.8	15.9	20.8	32.3	0.08	0.31	*
11-20	20	48.1	1.665	30.420	0.050		4.0	7.2	15.4	19.1	25.1	38.7	0.11	0.31	*
21-30	20	47.1	1.748	28.336	0.050		4.3	7.6	15.7	19.4	25.1	38.3	0.11	0.31	*
Dez															
01-10	20	63.6	1.903	35.192	0.050		6.8	11.5	22.8	27.7	35.4	52.8	0.09	0.31	*
11-20	20	48.5	1.499	34.092	0.050		3.3	6.2	14.1	17.9	23.9	38.0	0.13	0.31	*
21-31	19	55.1	1.159	50.160	0.053		1.7	4.2	12.0	16.0	22.7	39.5	0.14	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 67. Precipitação pluviométrica decendial esperada (mm) na estação Dourados (2254001), Município de Dourados, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°23'50" S, 54°47'31" W, 328 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	33	51.9	1.939	27.601	0.030	5.5	8.1	11.3	19.8	23.6	29.6	43.3	0.11	0.24	*
11-20	33	49.9	1.760	32.289	0.121	0.0	0.0	0.0	12.4	17.2	24.5	40.2	0.10	0.24	*
21-31	33	49.6	2.280	23.917	0.091	0.0	0.0	5.2	18.0	22.4	28.9	42.8	0.10	0.24	*
Fev															
01-10	32	45.9	1.824	25.148	0.000	7.2	8.9	11.1	17.8	21.0	26.1	37.8	0.12	0.24	*
11-20	32	46.8	1.479	32.665	0.031	2.8	4.7	7.1	14.3	17.7	23.3	36.6	0.08	0.24	*
21-28	32	34.1	1.471	24.691	0.063	0.0	1.1	3.5	9.3	12.0	16.3	26.4	0.09	0.24	*
Mar															
01-10	32	39.0	2.021	20.584	0.063	0.0	2.8	6.6	14.1	17.3	22.1	32.8	0.07	0.24	*
11-20	32	48.1	1.624	30.586	0.031	3.6	5.7	8.4	15.9	19.5	25.2	38.6	0.11	0.24	*
21-31	32	34.3	1.635	25.849	0.188	0.0	0.0	0.0	2.6	7.6	13.7	26.2	0.12	0.24	*
Abr															
01-10	32	33.8	1.578	27.377	0.219	0.0	0.0	0.0	0.0	4.7	11.6	24.9	0.14	0.24	*
11-20	32	43.1	2.085	22.829	0.094	0.0	0.0	3.2	14.5	18.3	24.1	36.5	0.09	0.24	*
21-30	32	31.2	1.794	26.502	0.344	0.0	0.0	0.0	0.0	0.0	0.0	20.7	0.19	0.24	*
Mai															
01-10	31	23.5	1.867	16.978	0.258	0.0	0.0	0.0	0.0	0.0	7.7	18.0	0.13	0.25	*
11-20	32	38.4	1.646	32.474	0.281	0.0	0.0	0.0	0.0	0.0	8.9	27.0	0.16	0.24	*
21-31	32	42.4	1.232	39.319	0.125	0.0	0.0	0.0	6.3	9.9	15.8	30.0	0.15	0.24	*
Jun															
01-10	32	27.5	0.824	38.124	0.125	0.0	0.0	0.0	1.8	3.5	6.7	15.7	0.14	0.24	*
11-20	32	21.0	0.990	33.927	0.375	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.09	0.24	*
21-30	33	22.7	1.545	21.121	0.303	0.0	0.0	0.0	0.0	0.0	3.4	14.9	0.14	0.24	*
Jul															
01-10	32	14.3	1.439	14.440	0.313	0.0	0.0	0.0	0.0	0.0	1.4	8.8	0.13	0.24	*
11-20	32	12.0	1.211	18.677	0.469	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.19	0.24	*
21-31	32	12.9	0.968	28.438	0.531	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.24	*
Ago															
01-10	32	14.0	1.540	16.189	0.438	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.14	0.24	*
11-20	32	9.4	1.033	19.349	0.531	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.24	*
21-31	32	24.0	1.120	38.031	0.438	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.23	0.24	*
Set															
01-10	32	38.2	1.349	41.207	0.313	0.0	0.0	0.0	0.0	0.0	3.2	22.6	0.19	0.24	*
11-20	32	26.7	1.445	25.699	0.281	0.0	0.0	0.0	0.0	0.0	5.1	17.5	0.13	0.24	*
21-30	32	33.5	2.794	14.207	0.156	0.0	0.0	0.0	10.3	14.6	20.0	30.2	0.08	0.24	*
Out															
01-10	32	46.8	1.372	36.421	0.063	0.0	1.3	4.2	11.9	15.5	21.4	35.5	0.08	0.24	*
11-20	32	51.0	1.374	38.284	0.031	2.6	4.5	7.0	14.5	18.2	24.3	39.0	0.12	0.24	*
21-31	32	49.7	1.960	27.030	0.063	0.0	3.4	8.1	17.6	21.6	27.7	41.5	0.07	0.24	*
Nov															
01-10	32	53.0	1.542	36.667	0.063	0.0	2.0	5.9	15.2	19.4	26.1	41.7	0.08	0.24	*
11-20	32	52.6	1.547	36.260	0.063	0.0	2.0	5.9	15.1	19.3	25.9	41.4	0.06	0.24	*
21-30	31	55.8	1.513	39.449	0.065	0.0	1.6	5.8	15.6	20.0	27.1	43.6	0.08	0.25	*
Dez															
01-10	33	63.5	1.952	33.565	0.030	6.8	10.1	14.0	24.3	29.0	36.4	53.1	0.08	0.24	*
11-20	33	59.0	1.211	50.255	0.030	2.2	4.1	6.6	14.8	19.0	26.0	43.4	0.08	0.24	*
21-31	33	61.6	1.535	41.421	0.030	4.2	6.7	10.0	19.5	24.0	31.4	48.7	0.09	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 68. Precipitação pluviométrica decendial esperada (mm) na estação Itahum (2255004), Município de Dourados, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°05'18" S, 55°21'07" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	69.7	2.878	25.433	0.048	6.0	14.1	20.0	32.8	38.0	45.8	62.4	0.09	0.30	*
11-20	21	94.6	2.192	47.704	0.095	0.0	0.0	6.8	32.8	41.3	54.0	80.9	0.14	0.30	*
21-31	21	83.4	1.839	52.887	0.143	0.0	0.0	0.0	18.5	27.5	40.4	67.6	0.20	0.30	*
Fev															
01-10	19	63.1	2.306	27.353	0.000		15.7	19.0	28.3	32.5	39.2	54.2	0.09	0.31	*
11-20	19	81.3	2.153	42.202	0.105		0.0	0.0	26.7	34.3	45.5	69.2	0.17	0.31	*
21-28	19	67.4	2.042	33.013	0.000		14.9	18.3	28.2	32.8	40.1	56.8	0.13	0.31	*
Mar															
01-10	19	51.3	3.239	15.851	0.000		17.1	19.8	27.2	30.4	35.4	46.2	0.18	0.31	*
11-20	19	74.7	2.882	28.976	0.105		0.0	0.0	30.7	37.6	47.5	67.5	0.14	0.31	*
21-31	18	61.1	0.848	92.658	0.222		0.0	0.0	0.0	1.7	8.9	30.6	0.16	0.32	*
Abr															
01-10	19	47.6	1.538	36.769	0.158		0.0	0.0	6.9	12.1	19.7	36.1	0.11	0.31	*
11-20	19	41.3	1.512	32.401	0.158		0.0	0.0	5.8	10.3	16.8	31.1	0.16	0.31	*
21-30	21	35.9	1.993	22.273	0.190	0.0	0.0	0.0	3.6	9.8	16.5	29.4	0.09	0.30	*
Mai															
01-10	21	48.3	1.428	41.809	0.190	0.0	0.0	0.0	2.2	8.6	16.9	34.8	0.14	0.30	*
11-20	21	45.7	3.894	14.490	0.190	0.0	0.0	0.0	11.9	21.7	30.1	44.0	0.16	0.30	*
21-31	20	62.6	1.324	55.631	0.150		0.0	0.0	7.9	14.0	23.3	44.9	0.16	0.31	*
Jun															
01-10	22	39.2	0.999	50.799	0.227	0.0	0.0	0.0	0.0	1.5	7.2	22.1	0.21	0.29	*
11-20	22	24.7	0.886	38.264	0.273	0.0	0.0	0.0	0.0	0.0	2.1	11.4	0.14	0.29	*
21-30	21	30.1	4.452	10.154	0.333	0.0	0.0	0.0	0.0	0.0	0.0	29.5	0.24	0.30	*
Jul															
01-10	22	18.8	2.028	14.560	0.364	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.22	0.29	*
11-20	22	18.7	1.220	25.969	0.409	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.17	0.29	*
21-31	21	15.5	1.444	22.485	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.30	*
Ago															
01-10	21	18.6	1.523	23.322	0.476	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.24	0.30	*
11-20	21	17.6	1.632	28.226	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.30	*
21-31	20	27.3	1.317	34.501	0.400		0.0	0.0	0.0	0.0	0.0	11.6	0.23	0.31	*
Set															
01-10	21	45.6	0.925	60.902	0.190	0.0	0.0	0.0	0.5	3.6	9.6	25.8	0.17	0.30	*
11-20	21	34.4	1.314	45.776	0.429	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.23	0.30	*
21-30	21	49.1	1.691	33.858	0.143	0.0	0.0	0.0	9.8	15.0	22.5	38.8	0.13	0.30	*
Out															
01-10	21	30.3	1.098	34.108	0.190	0.0	0.0	0.0	0.6	3.5	8.0	19.1	0.13	0.30	*
11-20	21	68.3	1.663	50.707	0.190	0.0	0.0	0.0	4.6	15.0	27.4	52.4	0.17	0.30	*
21-31	20	55.8	2.229	29.434	0.150		0.0	0.0	14.5	21.1	29.9	47.7	0.15	0.31	*
Nov															
01-10	21	60.4	1.423	46.908	0.095	0.0	0.0	1.4	13.7	18.8	26.9	45.8	0.11	0.30	*
11-20	21	51.9	1.535	37.389	0.095	0.0	0.0	1.5	12.8	17.3	24.3	40.4	0.09	0.30	*
21-30	21	48.5	2.544	21.056	0.095	0.0	0.0	4.7	18.8	23.2	29.5	42.7	0.14	0.30	*
Dez															
01-10	21	73.1	2.454	34.763	0.143	0.0	0.0	0.0	22.1	30.5	41.7	64.0	0.17	0.30	*
11-20	21	87.2	1.511	57.696	0.000	10.3	13.2	17.1	29.4	35.4	45.3	68.9	0.11	0.30	*
21-31	21	58.1	4.976	13.633	0.143	0.0	0.0	0.0	29.0	35.4	43.3	57.4	0.13	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 69. Precipitação pluviométrica decendial esperada (mm) na estação Glória de Dourados (2254003), Município de Glória de Dourados, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°24'18" S, 54°14'06" W, 528 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	29	55.3	1.153	51.484	0.069	0.0	0.2	2.9	11.0	15.1	22.1	39.3	0.09	0.25	*
11-20	29	56.8	1.484	42.681	0.103	0.0	0.0	0.0	12.9	17.9	25.7	43.6	0.09	0.25	*
21-31	29	59.7	1.600	38.682	0.034	3.8	6.5	9.9	19.4	23.8	31.0	47.7	0.06	0.25	*
Fev															
01-10	29	59.0	1.766	34.637	0.034	4.6	7.6	11.2	20.8	25.2	32.2	48.3	0.11	0.25	*
11-20	29	61.4	1.866	35.342	0.069	0.0	1.3	8.4	20.4	25.5	33.3	50.7	0.13	0.25	*
21-28	30	42.3	0.878	51.691	0.067	0.0	0.1	1.1	5.7	8.3	13.2	26.5	0.09	0.25	*
Mar															
01-10	30	58.1	1.363	42.582	0.000	5.8	7.5	10.0	17.9	21.9	28.6	44.6	0.15	0.25	*
11-20	29	43.3	1.240	37.503	0.069	0.0	0.2	2.7	9.5	12.8	18.3	31.6	0.11	0.25	*
21-31	30	59.1	2.116	34.917	0.200	0.0	0.0	0.0	0.0	15.9	27.6	49.1	0.18	0.25	*
Abr															
01-10	30	36.4	0.929	48.953	0.200	0.0	0.0	0.0	0.0	2.5	7.3	20.3	0.13	0.25	*
11-20	30	48.2	1.352	38.175	0.067	0.0	0.7	3.9	11.8	15.6	21.7	36.3	0.08	0.25	*
21-30	30	30.2	1.254	31.426	0.233	0.0	0.0	0.0	0.0	1.7	7.4	19.5	0.10	0.25	*
Mai															
01-10	30	28.4	1.779	20.848	0.233	0.0	0.0	0.0	0.0	3.4	10.2	21.8	0.15	0.25	*
11-20	30	44.5	1.697	32.773	0.200	0.0	0.0	0.0	0.0	9.1	17.6	34.2	0.13	0.25	*
21-31	30	43.9	1.158	42.155	0.100	0.0	0.0	0.0	7.3	10.7	16.5	30.7	0.08	0.25	*
Jun															
01-10	30	30.6	0.908	38.898	0.133	0.0	0.0	0.0	2.3	4.4	8.1	18.4	0.07	0.25	*
11-20	30	25.6	0.853	47.318	0.367	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.16	0.25	*
21-30	30	24.1	2.380	15.187	0.333	0.0	0.0	0.0	0.0	0.0	0.0	18.9	0.18	0.25	*
Jul															
01-10	29	12.1	1.157	17.812	0.414	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.12	0.25	*
11-20	29	10.9	1.223	14.301	0.379	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.06	0.25	*
21-31	29	15.4	0.986	30.239	0.483	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.14	0.25	*
Ago															
01-10	29	15.9	0.981	24.818	0.345	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.12	0.25	*
11-20	29	18.9	0.837	40.994	0.448	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.18	0.25	*
21-31	29	26.9	0.665	68.891	0.414	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.15	0.25	*
Set															
01-10	28	42.2	1.294	45.685	0.286	0.0	0.0	0.0	0.0	0.0	6.3	25.6	0.21	0.26	*
11-20	28	32.5	1.034	36.707	0.143	0.0	0.0	0.0	2.8	5.4	9.7	20.8	0.09	0.26	*
21-30	28	38.6	2.005	21.567	0.107	0.0	0.0	0.0	11.8	15.4	20.8	32.3	0.08	0.26	*
Out															
01-10	29	46.4	2.286	21.043	0.034	5.7	8.6	11.7	19.6	23.0	28.3	40.0	0.09	0.25	*
11-20	29	51.2	1.977	26.814	0.034	5.0	7.8	11.1	19.6	23.4	29.4	42.9	0.07	0.25	*
21-31	29	47.6	1.486	34.447	0.069	0.0	0.4	4.4	12.8	16.6	22.7	37.0	0.08	0.25	*
Nov															
01-10	29	62.5	2.226	28.088	0.000	12.6	15.1	18.3	27.5	31.7	38.4	53.4	0.06	0.25	*
11-20	29	47.5	1.398	35.219	0.034	2.2	4.1	6.5	13.6	17.1	22.8	36.6	0.15	0.25	*
21-30	29	48.2	1.600	32.389	0.069	0.0	0.6	5.1	14.0	17.9	24.1	38.3	0.06	0.25	*
Dez															
01-10	29	55.9	1.950	30.790	0.069	0.0	1.3	8.2	19.3	23.9	31.0	46.6	0.05	0.25	*
11-20	29	56.1	1.967	28.492	0.000	9.8	11.9	14.7	22.9	26.7	32.8	46.9	0.10	0.25	*
21-31	29	54.5	2.291	25.551	0.069	0.0	2.1	10.0	21.2	25.7	32.5	47.1	0.11	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 70. Precipitação pluviométrica decendial esperada (mm) na estação Jardim - CER-3 (2156001), Município de Guia Lopes da Laguna, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°26'25" S, 56°05'24" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	27	60.6	1.015	61.982	0.037	0.9	2.3	4.4	11.9	16.0	23.1	41.5	0.09	0.26	*
11-20	27	49.4	1.194	46.512	0.111	0.0	0.0	0.0	7.9	11.9	18.6	34.7	0.12	0.26	*
21-31	27	60.4	1.194	52.523	0.037	1.6	3.5	6.1	14.5	18.8	26.1	44.1	0.10	0.26	*
Fev															
01-10	27	44.8	5.166	9.363	0.074	0.0	0.0	16.6	26.4	29.6	34.2	43.3	0.07	0.26	*
11-20	27	54.0	1.369	46.331	0.148	0.0	0.0	0.0	7.4	12.7	20.8	39.4	0.13	0.26	*
21-28	27	25.8	2.102	15.036	0.185	0.0	0.0	0.0	3.5	7.7	12.5	21.5	0.07	0.26	*
Mar															
01-10	27	26.1	1.055	25.677	0.037	0.4	1.1	2.1	5.4	7.2	10.3	18.2	0.14	0.26	*
11-20	27	30.2	1.254	28.301	0.148	0.0	0.0	0.0	3.6	6.4	10.8	21.2	0.15	0.26	*
21-31	27	47.1	1.812	29.248	0.111	0.0	0.0	0.0	12.8	17.2	23.8	38.4	0.08	0.26	*
Abr															
01-10	26	38.2	1.537	29.406	0.154	0.0	0.0	0.0	5.9	10.0	16.0	29.1	0.08	0.27	*
11-20	26	39.6	0.929	52.775	0.192	0.0	0.0	0.0	0.3	3.1	8.3	22.4	0.16	0.27	*
21-30	26	26.9	1.540	30.218	0.423	0.0	0.0	0.0	0.0	0.0	0.0	11.6	0.20	0.27	*
Mai															
01-10	28	28.5	2.154	18.540	0.286	0.0	0.0	0.0	0.0	0.0	8.7	22.6	0.19	0.26	*
11-20	28	38.3	1.013	55.795	0.321	0.0	0.0	0.0	0.0	0.0	0.8	17.5	0.16	0.26	*
21-31	28	34.8	1.774	26.175	0.250	0.0	0.0	0.0	0.0	0.0	11.4	26.3	0.18	0.26	*
Jun															
01-10	28	18.9	1.699	17.276	0.357	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.13	0.26	*
11-20	28	21.9	1.314	25.912	0.357	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.17	0.26	*
21-30	28	19.4	1.215	19.404	0.179	0.0	0.0	0.0	1.1	3.0	6.0	13.1	0.07	0.26	*
Jul															
01-10	28	13.1	0.980	22.041	0.393	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.09	0.26	*
11-20	28	13.7	0.861	27.810	0.429	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.16	0.26	*
21-31	28	7.8	1.799	9.383	0.536	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.26	*
Ago															
01-10	30	19.1	0.822	38.675	0.400	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.16	0.25	*
11-20	30	8.2	1.126	13.691	0.467	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.12	0.25	*
21-31	30	20.1	1.022	36.848	0.467	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.19	0.25	*
Set															
01-10	30	21.5	1.265	30.032	0.433	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.18	0.25	*
11-20	30	20.9	0.843	29.713	0.167	0.0	0.0	0.0	0.6	1.9	4.3	11.4	0.08	0.25	*
21-30	30	40.5	2.303	21.104	0.167	0.0	0.0	0.0	9.1	14.6	21.5	34.8	0.12	0.25	*
Out															
01-10	29	48.2	1.428	34.980	0.034	2.3	4.3	6.8	14.1	17.6	23.5	37.3	0.06	0.25	*
11-20	29	43.6	1.727	30.494	0.172	0.0	0.0	0.0	5.9	11.6	19.0	34.2	0.10	0.25	*
21-31	29	57.0	1.270	46.484	0.034	2.0	4.0	6.6	14.8	18.9	25.8	42.5	0.08	0.25	*
Nov															
01-10	29	37.2	1.484	31.604	0.207	0.0	0.0	0.0	0.0	5.7	12.7	26.9	0.17	0.25	*
11-20	29	49.2	1.468	37.375	0.103	0.0	0.0	0.0	11.0	15.3	22.1	37.6	0.10	0.25	*
21-30	28	60.3	1.671	38.890	0.071	0.0	0.0	6.6	18.1	23.0	30.8	48.4	0.12	0.26	*
Dez															
01-10	28	58.6	1.348	43.487	0.000	5.7	7.4	9.9	17.9	21.9	28.6	44.9	0.08	0.26	*
11-20	29	47.9	1.851	26.808	0.034	4.1	6.6	9.6	17.5	21.0	26.7	39.6	0.10	0.25	*
21-31	29	64.5	1.606	41.579	0.034	4.1	7.1	10.8	21.0	25.8	33.5	51.5	0.13	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 71. Precipitação pluviométrica decendial esperada (mm) na estação Iguatemi (2354001), Município de Iguatemi, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°40'55" S, 54°33'46" W, 297 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	29	42.0	1.724	24.342	0.000	6.1	7.6	9.6	15.7	18.6	23.2	34.2	0.08	0.25	*
11-20	29	57.2	1.012	63.046	0.103	0.0	0.0	0.0	7.4	11.6	18.8	37.5	0.10	0.25	*
21-31	29	71.1	1.215	58.514	0.000	5.7	7.6	10.4	19.7	24.5	32.6	52.8	0.09	0.25	*
Fev															
01-10	27	52.5	1.771	30.812	0.037	3.7	6.5	9.8	18.4	22.3	28.6	43.0	0.11	0.26	*
11-20	26	56.4	1.782	32.898	0.038	3.8	6.9	10.4	19.8	24.0	30.8	46.2	0.10	0.27	*
21-28	26	45.2	2.020	26.458	0.154	0.0	0.0	0.0	10.1	15.5	22.8	37.6	0.11	0.27	*
Mar															
01-10	26	42.6	1.375	32.180	0.038	1.5	3.2	5.4	11.8	15.0	20.1	32.5	0.06	0.27	*
11-20	26	43.2	1.846	25.358	0.077	0.0	0.0	5.0	13.9	17.5	23.1	35.6	0.14	0.27	*
21-31	25	28.7	0.794	42.935	0.160	0.0	0.0	0.0	0.9	2.4	5.6	15.2	0.14	0.27	*
Abr															
01-10	26	35.7	1.148	36.763	0.154	0.0	0.0	0.0	3.2	6.4	11.5	23.9	0.08	0.27	*
11-20	26	39.3	1.351	34.387	0.154	0.0	0.0	0.0	4.9	8.8	14.7	28.4	0.10	0.27	*
21-30	26	48.1	1.023	55.551	0.154	0.0	0.0	0.0	3.4	7.1	13.6	30.3	0.11	0.27	*
Mai															
01-10	25	40.9	1.226	41.718	0.200	0.0	0.0	0.0	0.0	5.0	11.7	27.1	0.11	0.27	*
11-20	25	52.7	0.869	72.097	0.160	0.0	0.0	0.0	2.1	5.4	11.8	29.8	0.10	0.27	*
21-31	27	53.2	1.385	43.247	0.111	0.0	0.0	0.0	10.5	15.2	22.6	39.8	0.10	0.26	*
Jun															
01-10	30	51.2	0.982	57.926	0.100	0.0	0.0	0.0	6.5	10.1	16.5	33.1	0.09	0.25	*
11-20	29	39.7	0.724	61.189	0.103	0.0	0.0	0.0	2.5	4.6	8.8	21.2	0.09	0.25	*
21-30	30	38.7	0.860	56.191	0.200	0.0	0.0	0.0	0.0	2.1	6.8	20.4	0.13	0.25	*
Jul															
01-10	29	29.2	0.957	35.407	0.138	0.0	0.0	0.0	2.3	4.4	8.1	18.0	0.09	0.25	*
11-20	30	33.0	1.105	42.703	0.300	0.0	0.0	0.0	0.0	0.0	2.7	17.3	0.20	0.25	*
21-31	30	26.4	0.929	34.070	0.167	0.0	0.0	0.0	1.1	2.9	6.3	15.5	0.09	0.25	*
Ago															
01-10	29	38.6	0.721	67.446	0.207	0.0	0.0	0.0	0.0	1.1	4.7	17.3	0.11	0.25	*
11-20	29	36.6	0.830	64.032	0.310	0.0	0.0	0.0	0.0	0.0	0.8	14.1	0.12	0.25	*
21-31	29	41.1	0.733	77.472	0.276	0.0	0.0	0.0	0.0	0.0	2.0	15.5	0.15	0.25	*
Set															
01-10	30	52.5	0.736	85.506	0.167	0.0	0.0	0.0	1.0	3.4	8.8	25.9	0.13	0.25	*
11-20	26	33.0	1.222	33.422	0.192	0.0	0.0	0.0	0.8	4.5	9.8	22.0	0.11	0.27	*
21-30	27	30.9	1.190	30.528	0.148	0.0	0.0	0.0	3.3	6.0	10.5	21.2	0.12	0.26	*
Out															
01-10	27	32.9	1.686	21.099	0.074	0.0	0.0	3.5	9.8	12.6	16.8	26.5	0.12	0.26	*
11-20	27	44.3	1.418	35.127	0.111	0.0	0.0	0.0	9.0	12.9	19.1	33.4	0.09	0.26	*
21-31	27	53.0	1.899	30.135	0.074	0.0	0.0	6.8	17.6	22.0	28.8	43.9	0.08	0.26	*
Nov															
01-10	27	45.4	2.042	24.016	0.074	0.0	0.0	6.5	16.0	19.8	25.6	38.3	0.07	0.26	*
11-20	27	45.0	2.292	22.101	0.111	0.0	0.0	0.0	15.2	19.5	25.8	38.9	0.11	0.26	*
21-30	27	47.6	1.420	37.691	0.111	0.0	0.0	0.0	9.7	13.9	20.5	35.8	0.13	0.26	*
Dez															
01-10	27	47.4	3.074	16.648	0.074	0.0	0.0	11.3	22.0	25.8	31.4	43.1	0.07	0.26	*
11-20	27	53.1	1.721	30.868	0.000	7.7	9.6	12.1	19.8	23.5	29.4	43.3	0.11	0.26	*
21-31	27	47.2	2.632	18.613	0.037	6.7	10.0	13.4	21.5	24.9	30.2	41.6	0.07	0.26	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 72. Precipitação pluviométrica decendial esperada (mm) na estação Colônia Bom Jesus (2354004), Município de Iguatemi, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°27'02" S, 54°23'22" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	36.2	1.148	37.079	0.150		0.0	0.0	3.5	6.6	11.8	24.3	0.10	0.31	*
11-20	20	65.5	1.461	47.217	0.050		4.2	8.0	18.6	23.6	31.7	50.9	0.13	0.31	*
21-31	20	63.0	1.548	40.701	0.000		9.9	12.8	21.7	26.0	33.2	50.1	0.21	0.31	*
Fev															
01-10	18	47.0	1.940	25.646	0.056		4.4	8.2	16.8	20.5	26.3	39.2	0.08	0.32	*
11-20	18	53.1	1.662	31.928	0.000		9.1	11.7	19.3	22.9	28.9	42.9	0.11	0.32	*
21-28	19	41.1	1.494	29.080	0.053		2.5	5.1	11.8	15.0	20.1	32.1	0.11	0.31	*
Mar															
01-10	20	40.6	1.139	39.570	0.100		0.0	0.0	6.6	9.7	15.0	28.2	0.09	0.31	*
11-20	19	32.6	1.221	31.657	0.158		0.0	0.0	3.1	6.2	11.0	22.4	0.16	0.31	*
21-31	19	45.7	1.685	32.236	0.158		0.0	0.0	7.6	12.9	20.3	35.9	0.17	0.31	*
Abr															
01-10	20	36.2	1.610	24.985	0.100		0.0	0.0	9.2	12.4	17.4	28.6	0.13	0.31	*
11-20	20	42.3	4.233	11.758	0.150		0.0	0.0	18.6	23.7	29.9	41.0	0.14	0.31	*
21-30	19	32.8	1.352	30.769	0.211		0.0	0.0	0.0	4.1	10.0	22.7	0.13	0.31	*
Mai															
01-10	19	47.1	0.955	58.614	0.158		0.0	0.0	2.6	6.0	12.1	28.4	0.12	0.31	*
11-20	19	51.1	1.605	40.328	0.211		0.0	0.0	0.0	8.5	18.5	38.1	0.14	0.31	*
21-31	19	38.6	1.064	40.517	0.105		0.0	0.0	5.4	8.3	13.2	25.9	0.12	0.31	*
Jun															
01-10	21	26.7	1.196	24.624	0.095	0.0	0.0	0.3	4.8	6.9	10.4	18.9	0.08	0.30	*
11-20	21	23.9	0.937	38.216	0.333	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.20	0.30	*
21-30	21	26.0	0.711	45.129	0.190	0.0	0.0	0.0	0.1	1.0	3.5	11.9	0.09	0.30	*
Jul															
01-10	20	16.9	1.375	16.364	0.250		0.0	0.0	0.0	0.0	4.1	11.2	0.09	0.31	*
11-20	20	12.6	0.923	20.952	0.350		0.0	0.0	0.0	0.0	0.0	4.6	0.12	0.31	*
21-31	20	14.3	1.222	16.696	0.300		0.0	0.0	0.0	0.0	1.4	8.1	0.14	0.31	*
Ago															
01-10	20	21.5	0.959	34.545	0.350		0.0	0.0	0.0	0.0	0.0	8.3	0.16	0.31	*
11-20	20	16.3	0.980	41.576	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
21-31	19	20.8	0.549	59.858	0.368		0.0	0.0	0.0	0.0	0.0	2.9	0.16	0.31	*
Set															
01-10	18	42.2	1.260	46.339	0.278		0.0	0.0	0.0	0.0	6.8	25.5	0.15	0.32	*
11-20	18	31.5	0.876	38.110	0.056		0.3	1.1	4.5	6.5	10.1	19.9	0.14	0.32	*
21-30	18	33.0	1.242	34.158	0.222		0.0	0.0	0.0	2.7	8.5	21.5	0.14	0.32	*
Out															
01-10	17	39.2	1.583	28.084	0.118		0.0	0.0	8.8	12.4	18.0	30.6	0.10	0.33	*
11-20	18	48.1	1.149	44.296	0.056		1.3	3.4	10.2	13.7	19.6	34.3	0.17	0.32	*
21-31	18	55.8	0.940	62.842	0.056		0.7	2.4	8.9	12.6	19.2	36.5	0.18	0.32	*
Nov															
01-10	18	42.9	2.540	19.020	0.111		0.0	0.0	15.8	19.9	25.8	37.9	0.11	0.32	*
11-20	18	46.0	1.385	37.402	0.111		0.0	0.0	9.1	13.1	19.5	34.4	0.08	0.32	*
21-30	18	43.1	1.691	30.584	0.167		0.0	0.0	6.3	11.6	18.7	33.7	0.15	0.32	*
Dez															
01-10	18	54.0	4.165	15.560	0.167		0.0	0.0	21.2	28.9	37.4	52.4	0.20	0.32	*
11-20	18	73.7	1.685	46.310	0.056		5.2	10.6	23.5	29.3	38.4	59.4	0.16	0.32	*
21-31	18	46.6	2.120	21.973	0.000		10.7	13.1	19.9	23.1	28.1	39.5	0.09	0.32	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 73. Precipitação pluviométrica decendial esperada (mm) na estação Inocência (1951005), Município de Inocência, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°44'11" S, 51°55'57" W, 387 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	107.8	1.644	65.564	0.000	14.6	18.3	23.4	38.8	46.3	58.4	86.9	0.11	0.29	*
11-20	22	88.8	1.504	61.837	0.045	2.2	6.9	12.1	26.3	33.1	44.0	69.6	0.17	0.29	*
21-31	22	119.0	2.242	53.059	0.000	24.2	28.9	35.1	52.5	60.6	73.3	101.8	0.16	0.29	*
Fev															
01-10	23	97.7	1.691	60.386	0.043	4.2	9.9	16.1	32.4	39.8	51.6	78.9	0.14	0.29	*
11-20	23	94.8	1.573	63.001	0.043	3.3	8.4	14.1	29.5	36.7	48.3	75.2	0.16	0.29	*
21-28	23	73.9	1.693	45.604	0.043	3.2	7.5	12.2	24.5	30.1	39.1	59.7	0.11	0.29	*
Mar															
01-10	23	86.4	1.640	57.699	0.087	0.0	0.0	5.7	23.8	31.2	42.7	68.7	0.09	0.29	*
11-20	23	85.1	1.515	58.702	0.043	2.7	7.0	11.9	25.6	32.0	42.4	66.8	0.10	0.29	*
21-31	23	76.1	1.400	56.800	0.043	1.9	5.3	9.4	21.2	26.9	36.2	58.4	0.10	0.29	*
Abr															
01-10	23	39.0	1.205	41.402	0.217	0.0	0.0	0.0	0.0	3.3	10.0	25.1	0.14	0.29	*
11-20	23	48.0	1.830	33.538	0.217	0.0	0.0	0.0	0.0	8.7	19.0	37.6	0.19	0.29	*
21-30	23	14.7	1.199	23.477	0.478	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.22	0.29	*
Mai															
01-10	23	19.5	1.179	25.309	0.348	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.17	0.29	*
11-20	23	21.5	0.894	34.567	0.304	0.0	0.0	0.0	0.0	0.0	0.8	9.2	0.21	0.29	*
21-31	23	19.7	1.813	19.198	0.435	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.17	0.29	*
Jun															
01-10	23	4.3	3.349	4.926	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
11-20	23	7.7	1.323	19.192	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
21-30	23	4.2	1.789	6.813	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
Jul															
01-10	23	3.6	1.085	19.166	0.826	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	23	6.0	0.640	36.096	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-31	23	5.8	3.245	8.258	0.783	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
Ago															
01-10	22	4.4	2.457	7.838	0.773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	22	4.6	0.925	18.106	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	22	25.2	0.635	79.213	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
Set															
01-10	22	20.1	1.592	23.177	0.455	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.20	0.29	*
11-20	22	25.3	0.964	38.532	0.318	0.0	0.0	0.0	0.0	0.0	0.6	11.1	0.16	0.29	*
21-30	22	25.0	1.237	31.776	0.364	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.15	0.29	*
Out															
01-10	22	14.3	0.822	25.447	0.318	0.0	0.0	0.0	0.0	0.0	0.2	5.3	0.18	0.29	*
11-20	22	38.6	1.198	41.733	0.227	0.0	0.0	0.0	0.0	2.4	9.3	24.5	0.10	0.29	*
21-31	22	44.7	1.509	31.030	0.045	1.1	3.5	6.1	13.3	16.7	22.2	35.0	0.10	0.29	*
Nov															
01-10	22	42.9	1.315	42.228	0.227	0.0	0.0	0.0	0.0	3.4	11.6	28.7	0.13	0.29	*
11-20	22	53.5	0.661	93.705	0.136	0.0	0.0	0.0	1.6	3.8	8.8	25.4	0.11	0.29	*
21-30	22	50.7	1.703	29.791	0.000	7.3	9.0	11.5	18.8	22.3	27.9	41.2	0.16	0.29	*
Dez															
01-10	21	69.0	1.442	52.930	0.095	0.0	0.0	1.7	15.9	21.7	31.0	52.6	0.11	0.30	*
11-20	22	64.8	1.989	32.601	0.000	11.4	13.9	17.2	26.6	31.1	38.2	54.4	0.09	0.29	*
21-31	22	104.3	2.862	38.159	0.045	11.2	21.6	30.2	49.1	56.8	68.4	93.3	0.10	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 74. Precipitação pluviométrica decendial esperada (mm) na estação Morangas (1952002), Município de Inocência, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°33'11" S, 52°09'59" W, 310 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	110.9	3.257	34.055	0.000	32.4	37.1	43.0	58.8	65.8	76.5	99.8	0.10	0.29	*
11-20	22	84.4	2.391	35.309	0.000	18.5	21.8	26.2	38.6	44.3	53.2	73.0	0.09	0.29	*
21-31	23	104.6	3.899	26.836	0.000	35.1	39.5	45.0	59.5	65.8	75.4	95.8	0.09	0.29	*
Fev															
01-10	22	98.8	2.659	37.152	0.000	24.1	28.1	33.3	47.7	54.2	64.4	86.7	0.08	0.29	*
11-20	22	73.7	2.440	31.642	0.045	5.9	12.6	18.4	31.6	37.2	45.7	64.3	0.08	0.29	*
21-28	23	53.0	2.345	23.624	0.043	4.6	8.9	12.9	22.3	26.3	32.4	45.9	0.12	0.29	*
Mar															
01-10	23	75.5	1.552	53.256	0.087	0.0	0.0	4.4	19.6	26.0	36.0	59.1	0.17	0.29	*
11-20	23	68.6	1.881	36.470	0.000	11.3	13.8	17.2	27.2	31.9	39.5	56.9	0.13	0.29	*
21-31	23	59.9	1.111	56.349	0.043	0.7	2.4	4.8	12.9	17.1	24.3	42.4	0.10	0.29	*
Abr															
01-10	23	45.1	0.782	66.363	0.130	0.0	0.0	0.0	2.4	5.0	10.0	24.6	0.10	0.29	*
11-20	23	38.5	1.346	32.881	0.130	0.0	0.0	0.0	6.2	9.8	15.3	28.1	0.09	0.29	*
21-30	23	24.8	1.253	28.445	0.304	0.0	0.0	0.0	0.0	0.0	2.3	14.2	0.14	0.29	*
Mai															
01-10	23	15.5	2.629	9.041	0.348	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.13	0.29	*
11-20	22	24.0	1.023	32.261	0.273	0.0	0.0	0.0	0.0	0.0	2.8	12.6	0.19	0.29	*
21-31	23	23.6	1.103	28.907	0.261	0.0	0.0	0.0	0.0	0.0	3.7	13.4	0.15	0.29	*
Jun															
01-10	23	6.7	6.325	3.460	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.29	*
11-20	23	3.5	0.731	15.833	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
21-30	23	4.0	2.458	5.312	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
Jul															
01-10	23	4.4	1.191	10.505	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
11-20	23	6.5	1.444	17.197	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
21-31	23	7.5	1.784	10.762	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
Ago															
01-10	22	4.2	1.001	11.587	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
11-20	22	4.3	1.107	12.311	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
21-31	22	22.5	0.821	50.315	0.455	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.20	0.29	*
Set															
01-10	22	17.3	0.977	27.764	0.364	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.10	0.29	*
11-20	22	22.3	1.251	21.762	0.182	0.0	0.0	0.0	1.2	3.5	7.1	15.2	0.15	0.29	*
21-30	22	31.2	1.263	27.134	0.091	0.0	0.0	0.8	6.2	8.7	12.8	22.7	0.12	0.29	*
Out															
01-10	22	27.5	1.492	19.324	0.045	0.7	2.1	3.7	8.1	10.2	13.6	21.5	0.14	0.29	*
11-20	22	43.5	1.915	25.010	0.091	0.0	0.0	3.3	13.7	17.5	23.3	36.1	0.10	0.29	*
21-31	22	44.8	1.474	30.370	0.000	5.1	6.5	8.5	14.8	17.9	23.0	35.2	0.13	0.29	*
Nov															
01-10	21	46.6	1.914	24.353	0.000	7.8	9.5	11.9	18.7	21.9	27.0	38.8	0.13	0.30	*
11-20	21	53.5	1.534	34.895	0.000	6.5	8.3	10.7	18.3	22.0	28.0	42.5	0.07	0.30	*
21-30	21	53.8	1.679	32.028	0.000	7.5	9.4	12.0	19.7	23.4	29.4	43.6	0.10	0.30	*
Dez															
01-10	22	89.8	2.155	43.665	0.045	5.6	12.9	19.7	35.6	42.4	53.0	76.6	0.18	0.29	*
11-20	22	69.8	3.424	20.398	0.000	21.3	24.2	27.9	37.8	42.1	48.8	63.2	0.13	0.29	*
21-31	21	78.0	1.707	45.682	0.000	11.2	13.9	17.7	28.9	34.3	43.0	63.4	0.10	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 75. Precipitação pluviométrica decendial esperada (mm) na estação Itaporã (2254005), Município de Itaporã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°04'32" S, 54°47'01" W, 282 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	48.9	1.018	48.035	0.000		3.7	5.3	11.1	14.3	19.9	34.1	0.10	0.31	*
11-20	20	56.5	1.708	33.078	0.000		10.1	12.8	20.9	24.8	31.2	45.9	0.17	0.31	*
21-31	20	76.9	1.191	64.551	0.000		7.9	10.9	20.8	26.0	34.8	56.7	0.14	0.31	*
Fev															
01-10	19	57.6	2.125	27.111	0.000		13.2	16.2	24.6	28.6	34.8	48.9	0.10	0.31	*
11-20	19	42.2	1.905	24.743	0.105		0.0	0.0	12.4	16.3	22.1	34.8	0.10	0.31	*
21-28	19	41.8	0.977	42.810	0.000		2.9	4.2	9.1	11.8	16.5	28.7	0.14	0.31	*
Mar															
01-10	20	36.8	1.044	35.281	0.000		2.9	4.2	8.6	11.1	15.2	26.0	0.15	0.31	*
11-20	20	41.9	1.207	36.543	0.050		1.7	3.6	9.7	12.7	17.9	30.5	0.16	0.31	*
21-31	20	49.8	1.168	47.414	0.100		0.0	0.0	8.4	12.3	18.9	35.0	0.17	0.31	*
Abr															
01-10	20	40.5	1.098	36.866	0.000		3.6	5.0	10.1	12.8	17.4	29.1	0.10	0.31	*
11-20	20	58.8	2.067	33.484	0.150		0.0	0.0	14.0	20.9	30.2	49.3	0.16	0.31	*
21-30	20	25.4	0.957	33.222	0.200		0.0	0.0	0.0	1.9	5.3	14.5	0.09	0.31	*
Mai															
01-10	20	28.5	1.116	30.085	0.150		0.0	0.0	2.6	5.0	9.0	18.9	0.10	0.31	*
11-20	20	39.1	5.812	8.972	0.250		0.0	0.0	0.0	0.0	27.6	40.7	0.20	0.31	*
21-31	20	39.8	0.708	59.201	0.050		0.2	0.8	4.0	6.1	10.2	22.3	0.16	0.31	*
Jun															
01-10	21	28.6	0.721	39.600	0.000	0.6	0.9	1.5	4.0	5.5	8.5	16.9	0.17	0.30	*
11-20	21	19.6	0.918	29.852	0.286	0.0	0.0	0.0	0.0	0.0	1.4	9.1	0.21	0.30	*
21-30	21	19.3	1.417	19.099	0.286	0.0	0.0	0.0	0.0	0.0	3.4	12.4	0.10	0.30	*
Jul															
01-10	22	14.5	0.864	21.646	0.227	0.0	0.0	0.0	0.0	0.3	2.1	7.3	0.12	0.29	*
11-20	22	6.8	0.967	14.074	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
21-31	22	12.2	0.887	23.183	0.409	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.13	0.29	*
Ago															
01-10	20	18.5	0.868	32.771	0.350		0.0	0.0	0.0	0.0	0.0	6.3	0.13	0.31	*
11-20	20	11.4	0.772	29.398	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.31	*
21-31	20	23.7	0.921	51.562	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.31	*
Set															
01-10	20	37.1	1.453	36.505	0.300		0.0	0.0	0.0	0.0	5.3	23.6	0.21	0.31	*
11-20	20	27.4	0.743	43.415	0.150		0.0	0.0	0.9	2.2	5.1	14.0	0.09	0.31	*
21-30	20	26.8	1.904	16.541	0.150		0.0	0.0	5.8	8.8	13.1	21.9	0.08	0.31	*
Out															
01-10	20	30.8	1.302	23.684	0.000		3.7	5.0	9.1	11.2	14.8	23.4	0.09	0.31	*
11-20	20	41.2	0.912	47.594	0.050		0.7	1.9	6.5	9.2	13.9	26.7	0.13	0.31	*
21-31	20	44.1	1.375	32.095	0.000		5.8	7.7	13.7	16.8	21.8	34.0	0.09	0.31	*
Nov															
01-10	21	51.0	1.317	38.705	0.000	4.8	6.2	8.4	15.2	18.7	24.6	38.8	0.14	0.30	*
11-20	21	56.5	0.879	64.254	0.000	2.1	3.0	4.6	10.7	14.1	20.3	37.1	0.07	0.30	*
21-30	21	51.0	0.977	54.820	0.048	0.1	1.2	2.9	9.0	12.4	18.4	34.1	0.20	0.30	*
Dez															
01-10	21	56.7	1.439	41.415	0.048	0.8	3.7	7.0	16.0	20.3	27.3	43.9	0.10	0.30	*
11-20	21	47.9	1.874	25.542	0.000	7.8	9.6	11.9	18.9	22.2	27.5	39.7	0.09	0.30	*
21-31	21	54.4	2.887	18.851	0.000	14.3	16.6	19.5	27.4	30.9	36.3	48.3	0.10	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 76. Precipitação pluviométrica decendial esperada (mm) na estação Ivinhema (2253000), Município de Ivinhema, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°22'59" S, 53°31'51" W, 341 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	24	71.1	1.393	53.242	0.042	2.1	5.2	8.9	19.8	25.1	33.8	54.5	0.06	0.28	*
11-20	24	49.3	2.635	21.364	0.125	0.0	0.0	0.0	17.5	22.6	29.6	43.8	0.15	0.28	*
21-31	24	44.3	1.347	37.565	0.125	0.0	0.0	0.0	7.6	11.5	17.8	32.5	0.17	0.28	*
Fev															
01-10	23	42.4	1.252	45.839	0.261	0.0	0.0	0.0	0.0	0.0	8.3	26.3	0.20	0.29	*
11-20	23	38.5	1.368	32.378	0.130	0.0	0.0	0.0	6.4	10.0	15.5	28.4	0.12	0.29	*
21-28	23	29.3	1.471	24.129	0.174	0.0	0.0	0.0	2.9	6.3	11.2	21.6	0.11	0.29	*
Mar															
01-10	23	40.3	1.976	21.326	0.043	2.5	5.3	8.1	15.1	18.2	23.0	33.8	0.13	0.29	*
11-20	23	37.7	1.719	25.219	0.130	0.0	0.0	0.0	8.5	12.3	17.9	30.1	0.12	0.29	*
21-31	23	35.1	2.093	24.100	0.304	0.0	0.0	0.0	0.0	0.0	8.0	26.9	0.18	0.29	*
Abr															
01-10	23	22.5	1.786	19.300	0.348	0.0	0.0	0.0	0.0	0.0	0.0	14.8	0.18	0.29	*
11-20	23	29.9	2.329	16.429	0.217	0.0	0.0	0.0	0.0	7.4	14.2	25.5	0.15	0.29	*
21-30	23	27.9	1.289	31.124	0.304	0.0	0.0	0.0	0.0	0.0	2.8	16.3	0.14	0.29	*
Mai															
01-10	23	15.5	1.199	24.837	0.478	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.20	0.29	*
11-20	23	42.1	1.638	32.812	0.217	0.0	0.0	0.0	0.0	6.4	15.1	31.5	0.15	0.29	*
21-31	22	34.9	2.823	14.331	0.136	0.0	0.0	0.0	12.4	16.3	21.4	31.5	0.09	0.29	*
Jun															
01-10	21	34.8	0.890	63.209	0.381	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.17	0.30	*
11-20	21	15.6	1.017	35.844	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
21-30	21	20.5	1.100	32.681	0.429	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.16	0.30	*
Jul															
01-10	21	13.9	1.205	24.285	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.30	*
11-20	21	12.3	1.352	15.926	0.429	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.17	0.30	*
21-31	21	13.2	1.529	22.635	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.30	*
Ago															
01-10	21	11.6	1.704	11.905	0.429	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.19	0.30	*
11-20	22	33.5	0.680	90.190	0.455	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.18	0.29	*
21-31	22	24.2	0.825	49.654	0.409	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.12	0.29	*
Set															
01-10	22	42.9	1.535	43.921	0.364	0.0	0.0	0.0	0.0	0.0	0.0	24.3	0.26	0.29	*
11-20	21	35.4	1.345	36.854	0.286	0.0	0.0	0.0	0.0	0.0	5.7	22.0	0.15	0.30	*
21-30	21	34.8	2.500	16.242	0.143	0.0	0.0	0.0	10.7	14.7	20.0	30.6	0.09	0.30	*
Out															
01-10	21	45.6	1.526	33.062	0.095	0.0	0.0	1.3	11.2	15.1	21.3	35.4	0.12	0.30	*
11-20	21	51.6	2.017	28.257	0.095	0.0	0.0	3.1	16.7	21.3	28.2	43.3	0.15	0.30	*
21-31	21	46.8	1.791	32.259	0.190	0.0	0.0	0.0	3.7	11.3	19.9	36.9	0.19	0.30	*
Nov															
01-10	22	43.7	1.788	26.895	0.091	0.0	0.0	2.8	12.9	16.7	22.6	35.6	0.14	0.29	*
11-20	22	38.8	1.500	29.959	0.136	0.0	0.0	0.0	7.0	10.8	16.6	29.5	0.13	0.29	*
21-30	23	51.8	2.103	28.356	0.130	0.0	0.0	0.0	14.6	20.0	27.8	43.8	0.13	0.29	*
Dez															
01-10	23	37.6	1.713	28.074	0.217	0.0	0.0	0.0	0.0	6.2	14.1	28.7	0.16	0.29	*
11-20	23	49.9	1.371	44.087	0.174	0.0	0.0	0.0	4.3	9.8	17.8	35.8	0.18	0.29	*
21-31	23	52.3	1.691	32.350	0.043	2.2	5.3	8.6	17.3	21.3	27.7	42.3	0.17	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 77. Precipitação pluviométrica decendial esperada (mm) na estação Jaraguari (2054019), Município de Jaraguari, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°06'06" S, 54°26'01" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	107.3	1.179	95.370	0.045	1.1	4.7	9.5	24.6	32.3	45.4	77.7	0.15	0.29	*
11-20	22	89.9	1.667	56.507	0.045	3.0	8.5	14.2	29.3	36.1	47.1	72.4	0.13	0.29	*
21-31	22	99.0	1.962	55.521	0.091	0.0	0.0	7.8	31.8	40.5	53.7	82.6	0.14	0.29	*
Fev															
01-10	23	81.7	1.926	42.421	0.000	13.8	16.9	21.0	32.9	38.5	47.5	68.1	0.10	0.29	*
11-20	23	61.5	2.030	31.677	0.043	4.0	8.4	12.8	23.5	28.2	35.5	51.8	0.08	0.29	*
21-28	22	64.6	1.746	36.973	0.000	9.6	11.9	15.0	24.3	28.8	36.0	52.7	0.13	0.29	*
Mar															
01-10	22	63.4	1.616	41.114	0.045	1.9	5.7	9.6	20.1	24.9	32.7	50.7	0.07	0.29	*
11-20	22	52.2	1.964	32.489	0.182	0.0	0.0	0.0	7.0	14.9	24.3	42.7	0.16	0.29	*
21-31	22	43.0	2.581	20.384	0.182	0.0	0.0	0.0	8.6	15.9	23.7	38.0	0.16	0.29	*
Abr															
01-10	21	33.3	1.819	25.654	0.286	0.0	0.0	0.0	0.0	0.0	8.4	24.5	0.23	0.30	*
11-20	22	29.8	1.191	36.641	0.318	0.0	0.0	0.0	0.0	0.0	1.3	15.8	0.22	0.29	*
21-30	22	20.8	1.482	28.089	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.29	*
Mai															
01-10	21	29.2	1.474	32.025	0.381	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.23	0.30	*
11-20	22	33.4	2.601	20.150	0.364	0.0	0.0	0.0	0.0	0.0	0.0	26.1	0.23	0.29	*
21-31	22	25.3	0.921	50.359	0.455	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.18	0.29	*
Jun															
01-10	23	12.7	9.699	2.310	0.435	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.26	0.29	*
11-20	22	13.0	1.242	25.640	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
21-30	23	4.4	1.954	8.673	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Jul															
01-10	23	5.4	1.966	8.959	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	23	5.7	3.166	5.934	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
21-31	23	15.5	1.137	34.889	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.29	*
Ago															
01-10	22	12.1	0.911	29.200	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
11-20	22	6.5	10.512	1.934	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
21-31	22	20.1	1.088	45.081	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	*
Set															
01-10	22	23.5	1.810	23.819	0.455	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.23	0.29	*
11-20	22	14.6	2.865	7.452	0.318	0.0	0.0	0.0	0.0	0.0	3.6	12.5	0.16	0.29	*
21-30	22	21.6	1.094	30.991	0.364	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.17	0.29	*
Out															
01-10	22	23.1	1.852	21.141	0.409	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.22	0.29	*
11-20	22	52.3	3.557	17.974	0.182	0.0	0.0	0.0	15.1	24.3	33.6	49.5	0.17	0.29	*
21-31	22	33.1	3.165	13.534	0.227	0.0	0.0	0.0	0.0	9.9	18.5	30.5	0.19	0.29	*
Nov															
01-10	21	49.7	1.731	31.721	0.095	0.0	0.0	2.0	13.9	18.3	25.0	40.1	0.13	0.30	*
11-20	21	55.3	1.429	42.738	0.095	0.0	0.0	1.3	12.6	17.2	24.7	42.0	0.07	0.30	*
21-30	21	47.5	1.265	49.297	0.238	0.0	0.0	0.0	0.0	2.1	11.4	30.6	0.17	0.30	*
Dez															
01-10	22	59.0	1.277	48.355	0.045	0.8	3.2	6.1	14.8	19.1	26.4	43.9	0.08	0.29	*
11-20	22	54.2	1.361	39.797	0.000	5.4	7.0	9.3	16.7	20.4	26.6	41.6	0.16	0.29	*
21-31	22	55.7	1.524	38.287	0.045	1.4	4.4	7.7	16.7	21.0	27.8	43.8	0.15	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 78. Precipitação pluviométrica decendial esperada (mm) na estação Figueira (2156002), Município de Jardim, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°30'43" S, 56°42'06" W, 384 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	16	71.2	1.382	51.468	0.000		9.4	12.5	22.2	27.1	35.3	54.9	0.11	0.34	*
11-20	16	64.7	1.335	51.663	0.063		1.6	5.5	15.9	20.9	29.1	48.6	0.14	0.34	*
21-31	15	76.2	1.188	68.707	0.067		0.6	4.6	16.0	21.7	31.2	54.8	0.13	0.35	*
Fev															
01-10	13	52.5	1.638	32.039	0.000			11.3	18.8	22.5	28.4	42.3	0.21	0.38	*
11-20	16	51.5	1.527	33.694	0.000		7.9	10.2	17.5	21.1	26.9	40.8	0.14	0.34	*
21-28	17	43.5	2.014	21.573	0.000		9.4	11.6	18.0	21.0	25.7	36.5	0.13	0.33	*
Mar															
01-10	17	56.3	1.678	35.650	0.059		3.4	7.7	17.7	22.1	29.2	45.3	0.12	0.33	*
11-20	17	43.9	0.907	48.402	0.000		2.5	3.8	8.6	11.4	16.2	29.2	0.27	0.33	*
21-31	16	53.2	2.311	23.037	0.000		13.3	16.1	23.9	27.5	33.1	45.8	0.13	0.34	*
Abr															
01-10	15	59.9	1.083	55.366	0.000		5.1	7.3	14.7	18.6	25.5	42.8	0.23	0.35	*
11-20	16	50.2	2.311	24.821	0.125		0.0	0.0	16.0	21.1	28.4	43.4	0.14	0.34	*
21-30	16	37.7	1.823	23.631	0.125		0.0	0.0	9.5	13.2	18.7	30.6	0.10	0.34	*
Mai															
01-10	15	15.2	0.919	22.598	0.267		0.0	0.0	0.0	0.0	1.6	7.4	0.15	0.35	*
11-20	14	56.3	0.506	141.740	0.214			0.0	0.0	0.2	2.6	16.3	0.23	0.37	*
21-31	15	41.6	0.836	57.482	0.133		0.0	0.0	2.5	5.1	9.9	23.7	0.11	0.35	*
Jun															
01-10	15	18.6	1.028	22.626	0.200		0.0	0.0	0.0	1.6	4.3	11.1	0.13	0.35	*
11-20	14	17.6	0.499	44.986	0.214			0.0	0.0	0.1	0.8	5.0	0.15	0.37	*
21-30	13	18.1	0.940	27.853	0.308			0.0	0.0	0.0	0.7	8.0	0.16	0.38	*
Jul															
01-10	12	8.4	1.060	10.580	0.250			0.0	0.0	0.0	1.4	4.7	0.13	0.40	*
11-20	12	11.0	1.523	12.356	0.417			0.0	0.0	0.0	0.0	4.9	0.17	0.40	*
21-31	13	13.1	0.682	27.844	0.308			0.0	0.0	0.0	0.2	4.0	0.13	0.38	*
Ago															
01-10	13	13.0	0.899	18.859	0.231			0.0	0.0	0.3	2.0	6.7	0.19	0.38	*
11-20	15	21.3	0.434	61.211	0.200		0.0	0.0	0.0	0.1	0.7	5.1	0.15	0.35	*
21-31	17	25.2	0.748	47.756	0.294		0.0	0.0	0.0	0.0	0.8	9.1	0.15	0.33	*
Set															
01-10	17	49.5	0.916	70.655	0.235		0.0	0.0	0.0	0.9	7.4	25.7	0.15	0.33	*
11-20	13	49.0	0.671	79.080	0.077			0.3	3.5	5.9	10.7	25.6	0.17	0.38	*
21-30	13	39.3	1.968	21.642	0.077			5.0	13.3	16.6	21.7	32.9	0.13	0.38	*
Out															
01-10	13	29.8	2.184	13.651	0.000			8.6	13.0	15.0	18.2	25.4	0.11	0.38	*
11-20	12	69.6	1.044	66.675	0.000			7.9	16.4	20.9	28.8	49.1	0.13	0.40	*
21-31	13	52.0	1.157	48.632	0.077			2.2	10.0	13.9	20.5	36.8	0.16	0.38	*
Nov															
01-10	14	78.5	1.983	42.648	0.071			11.3	27.3	33.8	43.8	65.8	0.19	0.37	*
11-20	15	55.8	0.841	66.337	0.000		2.7	4.1	9.9	13.2	19.3	35.8	0.18	0.35	*
21-30	15	48.1	2.024	27.426	0.133		0.0	0.0	12.8	17.9	25.1	40.2	0.17	0.35	*
Dez															
01-10	15	47.9	2.939	17.461	0.067		4.9	11.9	22.0	25.8	31.4	43.2	0.09	0.35	*
11-20	15	39.9	3.442	11.601	0.000		13.9	16.0	21.7	24.1	27.9	36.1	0.23	0.35	*
21-31	15	69.8	6.381	10.938	0.000		34.1	37.5	46.1	49.7	55.1	66.2	0.11	0.35	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 79. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Jangada (2253015), Município de Jateí, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°32'42" S, 54°01'40" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	18	44.0	0.943	46.621	0.000		2.8	4.1	9.1	11.9	16.8	29.8	0.09	0.32	*
11-20	18	65.1	1.743	37.346	0.000		11.9	15.1	24.5	29.0	36.2	53.2	0.09	0.32	*
21-31	18	56.4	1.615	36.986	0.056		3.6	7.6	17.3	21.7	28.7	45.0	0.17	0.32	*
Fev															
01-10	18	41.0	1.353	30.330	0.000		5.2	7.0	12.6	15.4	20.1	31.5	0.14	0.32	*
11-20	18	56.9	1.193	47.725	0.000		5.9	8.1	15.5	19.3	25.8	42.0	0.12	0.32	*
21-28	18	48.4	1.362	37.664	0.056		2.1	4.9	12.5	16.2	22.3	36.7	0.16	0.32	*
Mar															
01-10	18	37.0	1.783	20.763	0.000		7.0	8.8	14.1	16.7	20.8	30.4	0.11	0.32	*
11-20	18	44.0	1.672	29.579	0.111		0.0	0.0	10.9	15.0	21.2	35.0	0.11	0.32	*
21-31	17	42.1	1.548	30.811	0.118		0.0	0.0	9.2	13.1	19.1	32.6	0.14	0.33	*
Abr															
01-10	18	33.8	1.475	29.454	0.222		0.0	0.0	0.0	3.9	10.7	24.0	0.16	0.32	*
11-20	18	40.0	1.864	27.608	0.222		0.0	0.0	0.0	6.8	15.8	31.5	0.20	0.32	*
21-30	19	16.7	1.144	17.380	0.158		0.0	0.0	1.4	2.9	5.3	11.1	0.09	0.31	*
Mai															
01-10	19	23.8	1.153	28.046	0.263		0.0	0.0	0.0	0.0	4.0	13.9	0.15	0.31	*
11-20	19	48.6	1.385	47.681	0.263		0.0	0.0	0.0	0.0	10.7	31.9	0.18	0.31	*
21-31	19	43.1	1.281	37.596	0.105		0.0	0.0	8.0	11.6	17.4	31.3	0.10	0.31	*
Jun															
01-10	19	25.9	0.836	41.987	0.263		0.0	0.0	0.0	0.0	2.3	11.6	0.11	0.31	*
11-20	20	28.2	2.168	21.655	0.400		0.0	0.0	0.0	0.0	0.0	18.1	0.26	0.31	*
21-30	20	25.1	1.094	38.306	0.400		0.0	0.0	0.0	0.0	0.0	8.6	0.20	0.31	*
Jul															
01-10	18	17.9	0.767	34.974	0.333		0.0	0.0	0.0	0.0	0.0	5.6	0.10	0.32	*
11-20	20	15.2	0.681	49.469	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	*
21-31	20	22.8	1.484	30.757	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
Ago															
01-10	19	15.8	0.703	35.618	0.368		0.0	0.0	0.0	0.0	0.0	3.5	0.12	0.31	*
11-20	18	14.3	1.333	27.522	0.611		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.32	*
21-31	19	37.5	0.980	60.580	0.368		0.0	0.0	0.0	0.0	0.0	13.5	0.19	0.31	*
Set															
01-10	19	24.2	0.969	39.490	0.368		0.0	0.0	0.0	0.0	0.0	8.6	0.19	0.31	*
11-20	18	27.1	1.231	28.327	0.222		0.0	0.0	0.0	2.1	7.0	17.6	0.18	0.32	*
21-30	18	32.3	1.238	31.325	0.167		0.0	0.0	2.7	5.8	10.7	22.2	0.23	0.32	*
Out															
01-10	19	34.9	1.423	25.888	0.053		1.9	4.0	9.6	12.2	16.6	26.9	0.06	0.31	*
11-20	19	54.8	2.400	22.831	0.000		14.2	17.1	25.1	28.8	34.5	47.4	0.16	0.31	*
21-31	19	32.3	2.614	16.787	0.263		0.0	0.0	0.0	0.0	13.9	28.0	0.16	0.31	*
Nov															
01-10	19	46.2	1.874	24.677	0.000		9.2	11.5	18.3	21.4	26.6	38.3	0.08	0.31	*
11-20	19	40.6	1.254	34.176	0.053		1.6	3.6	9.7	12.7	17.7	30.0	0.09	0.31	*
21-30	19	29.5	1.433	24.485	0.158		0.0	0.0	3.8	6.9	11.5	21.8	0.14	0.31	*
Dez															
01-10	19	53.5	2.879	19.630	0.053		9.8	14.8	24.9	29.0	35.1	48.0	0.11	0.31	*
11-20	19	39.8	0.931	45.096	0.053		0.6	1.8	6.4	9.0	13.6	25.9	0.11	0.31	*
21-31	19	50.9	3.201	15.902	0.000		16.8	19.5	26.8	30.0	35.0	45.7	0.18	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 80. Precipitação pluviométrica decendial esperada (mm) na estação Flórida (2354002), Município de Juti, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°58'13" S, 54°33'48" W, 307 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	25	51.1	2.116	24.130	0.000	9.7	11.7	14.3	21.8	25.3	30.8	43.3	0.10	0.27	*
11-20	25	55.9	1.379	46.103	0.120	0.0	0.0	0.0	10.3	15.3	23.2	41.5	0.12	0.27	*
21-31	25	52.2	1.780	30.577	0.040	3.2	6.2	9.5	18.2	22.2	28.4	42.8	0.10	0.27	*
Fev															
01-10	25	41.0	2.078	20.578	0.040	3.5	6.2	9.0	16.1	19.1	24.0	34.7	0.18	0.27	*
11-20	24	57.0	1.584	35.966	0.000	7.3	9.2	11.8	19.9	23.9	30.3	45.5	0.09	0.28	*
21-28	24	46.1	1.470	32.723	0.042	1.6	3.7	6.3	13.6	17.0	22.6	35.9	0.06	0.28	*
Mar															
01-10	24	42.1	1.605	26.220	0.000	5.5	6.9	8.9	14.9	17.8	22.5	33.7	0.08	0.28	*
11-20	24	51.4	1.447	35.559	0.000	5.7	7.3	9.6	16.7	20.3	26.1	40.2	0.13	0.28	*
21-31	24	41.6	3.218	18.262	0.292	0.0	0.0	0.0	0.0	0.0	17.5	37.9	0.22	0.28	*
Abr															
01-10	24	29.3	1.609	19.837	0.083	0.0	0.0	2.1	8.0	10.5	14.4	23.2	0.19	0.28	*
11-20	24	43.0	1.701	27.588	0.083	0.0	0.0	3.5	12.5	16.1	21.8	34.6	0.09	0.28	*
21-30	24	26.5	1.552	22.776	0.250	0.0	0.0	0.0	0.0	0.0	7.5	18.8	0.14	0.28	*
Mai															
01-10	24	30.8	1.275	34.080	0.292	0.0	0.0	0.0	0.0	0.0	4.1	18.3	0.10	0.28	*
11-20	24	51.7	1.385	40.702	0.083	0.0	0.0	2.7	12.0	16.2	23.0	39.0	0.11	0.28	*
21-31	24	36.0	1.036	39.735	0.125	0.0	0.0	0.0	3.9	6.7	11.4	23.5	0.12	0.28	*
Jun															
01-10	24	42.7	1.027	49.959	0.167	0.0	0.0	0.0	2.2	5.7	11.6	26.6	0.17	0.28	*
11-20	24	20.5	0.826	37.147	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.16	0.28	*
21-30	24	21.6	2.906	11.155	0.333	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.20	0.28	*
Jul															
01-10	23	16.0	1.398	16.445	0.304	0.0	0.0	0.0	0.0	0.0	1.9	9.8	0.10	0.29	*
11-20	24	16.8	0.807	38.475	0.458	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.12	0.28	*
21-31	24	19.1	0.721	45.324	0.417	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.09	0.28	*
Ago															
01-10	24	23.0	1.447	21.235	0.250	0.0	0.0	0.0	0.0	0.0	6.0	15.8	0.12	0.28	*
11-20	25	26.2	0.625	69.772	0.400	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.14	0.27	*
21-31	25	35.9	0.824	77.727	0.440	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.18	0.27	*
Set															
01-10	25	46.7	1.054	65.169	0.320	0.0	0.0	0.0	0.0	0.0	1.2	22.2	0.18	0.27	*
11-20	23	48.6	0.829	79.208	0.261	0.0	0.0	0.0	0.0	0.0	4.3	21.8	0.12	0.29	*
21-30	23	44.7	1.994	25.780	0.130	0.0	0.0	0.0	11.9	16.6	23.2	37.2	0.10	0.29	*
Out															
01-10	23	56.4	1.208	46.713	0.000	4.4	6.0	8.2	15.5	19.4	25.8	41.9	0.11	0.29	*
11-20	23	55.0	1.728	33.253	0.043	2.5	5.8	9.3	18.5	22.7	29.4	44.7	0.10	0.29	*
21-31	22	47.7	1.698	28.065	0.000	6.8	8.4	10.7	17.6	20.9	26.2	38.7	0.12	0.29	*
Nov															
01-10	24	53.4	2.087	29.248	0.125	0.0	0.0	0.0	15.4	20.9	28.7	45.0	0.10	0.28	*
11-20	24	46.4	1.325	36.569	0.042	1.2	3.0	5.4	12.3	15.7	21.4	35.1	0.09	0.28	*
21-30	24	52.7	1.568	35.045	0.042	2.2	4.8	7.9	16.4	20.4	26.8	41.8	0.10	0.28	*
Dez															
01-10	24	50.9	2.472	21.483	0.042	5.4	9.4	13.2	22.2	26.0	31.8	44.5	0.05	0.28	*
11-20	24	62.5	1.929	33.818	0.042	4.2	8.2	12.4	23.1	27.8	35.3	52.1	0.10	0.28	*
21-31	24	55.4	2.091	26.495	0.000	10.4	12.5	15.4	23.5	27.2	33.2	46.9	0.10	0.28	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 81. Precipitação pluviométrica decendial esperada (mm) na estação Corumbá (1957002), Município de Ladário, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°00'21" S, 57°36'07" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	16	82.2	1.197	73.280	0.063		1.4	5.6	17.8	23.9	34.1	59.4	0.12	0.34	*
11-20	15	63.6	2.900	21.951	0.000		19.5	22.8	32.1	36.2	42.5	56.5	0.12	0.35	*
21-31	15	71.4	1.857	38.446	0.000		14.1	17.7	28.0	32.9	40.8	59.1	0.11	0.35	*
Fev															
01-10	14	56.1	1.683	33.300	0.000			12.5	20.5	24.4	30.7	45.4	0.10	0.37	*
11-20	15	50.9	0.849	59.935	0.000		2.5	3.9	9.1	12.2	17.8	32.8	0.21	0.35	*
21-28	15	33.9	1.949	18.632	0.067		1.5	5.2	11.8	14.5	18.8	28.3	0.19	0.35	*
Mar															
01-10	15	49.8	1.191	44.785	0.067		0.4	3.0	10.5	14.2	20.4	35.8	0.11	0.35	*
11-20	16	31.2	3.159	9.860	0.000		10.2	11.8	16.3	18.3	21.3	27.9	0.17	0.34	*
21-31	16	21.1	0.755	29.855	0.063		0.0	0.4	2.2	3.4	5.6	12.2	0.12	0.34	*
Abr															
01-10	14	30.9	1.037	34.707	0.143			0.0	2.7	5.1	9.2	19.8	0.11	0.37	*
11-20	14	32.8	0.938	37.698	0.071			0.9	4.8	6.9	10.8	21.2	0.12	0.37	*
21-30	16	23.2	0.764	32.379	0.063		0.1	0.4	2.5	3.8	6.3	13.5	0.14	0.34	*
Mai															
01-10	16	13.3	1.562	13.671	0.375		0.0	0.0	0.0	0.0	0.0	7.4	0.13	0.34	*
11-20	15	16.8	1.257	18.239	0.267		0.0	0.0	0.0	0.0	3.1	10.3	0.11	0.35	*
21-31	15	16.3	0.610	40.177	0.333		0.0	0.0	0.0	0.0	0.0	3.7	0.19	0.35	*
Jun															
01-10	16	15.7	0.875	26.130	0.313		0.0	0.0	0.0	0.0	0.4	6.4	0.16	0.34	*
11-20	17	14.4	0.611	36.496	0.353		0.0	0.0	0.0	0.0	0.0	2.8	0.10	0.33	*
21-30	17	10.1	1.050	16.420	0.412		0.0	0.0	0.0	0.0	0.0	3.0	0.18	0.33	*
Jul															
01-10	17	8.3	1.133	13.904	0.471		0.0	0.0	0.0	0.0	0.0	1.2	0.10	0.33	*
11-20	17	2.3	5.225	1.895	0.765		0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.33	*
21-31	17	11.0	0.937	22.277	0.471		0.0	0.0	0.0	0.0	0.0	1.0	0.14	0.33	*
Ago															
01-10	16	15.3	0.450	49.314	0.313		0.0	0.0	0.0	0.0	0.0	2.2	0.14	0.34	*
11-20	16	3.2	1.396	6.183	0.625		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.34	*
21-31	17	19.9	0.740	50.821	0.471		0.0	0.0	0.0	0.0	0.0	0.9	0.16	0.33	*
Set															
01-10	17	15.3	1.130	19.168	0.294		0.0	0.0	0.0	0.0	1.5	8.3	0.11	0.33	*
11-20	17	18.8	0.670	34.123	0.176		0.0	0.0	0.1	0.8	2.5	8.4	0.12	0.33	*
21-30	17	23.7	0.946	28.457	0.118		0.0	0.0	2.4	4.0	7.0	14.8	0.08	0.33	*
Out															
01-10	17	20.2	0.963	25.467	0.176		0.0	0.0	0.6	2.1	4.8	12.0	0.09	0.33	*
11-20	17	40.0	0.745	60.831	0.118		0.0	0.0	2.3	4.4	8.7	21.4	0.15	0.33	*
21-31	17	25.1	0.899	27.908	0.000		1.4	2.1	4.9	6.4	9.2	16.6	0.19	0.33	*
Nov															
01-10	16	43.3	0.631	78.366	0.125		0.0	0.0	1.4	3.1	7.0	20.1	0.15	0.34	*
11-20	16	50.1	2.135	25.024	0.063		4.0	9.1	18.9	22.9	29.1	42.6	0.11	0.34	*
21-30	15	29.6	0.809	36.519	0.000		1.3	2.0	4.9	6.7	9.9	18.6	0.09	0.35	*
Dez															
01-10	16	68.0	1.501	45.301	0.000		10.2	13.3	22.8	27.5	35.2	53.6	0.11	0.34	*
11-20	16	45.7	1.141	40.081	0.000		4.3	6.1	11.9	14.9	20.2	33.3	0.10	0.34	*
21-31	16	68.0	1.010	71.805	0.063		0.6	3.0	11.7	16.4	24.6	45.8	0.16	0.34	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 82. Precipitação pluviométrica decendial esperada (mm) na estação Bocajá (2255003), Município de Laguna Carapã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°43'50" S, 55°14'27" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	49.9	2.009	27.447	0.095	0.0	0.0	3.0	16.1	20.6	27.3	41.8	0.10	0.30	*
11-20	21	61.1	2.227	28.789	0.048	3.0	8.8	13.6	24.6	29.3	36.5	52.4	0.09	0.30	*
21-31	21	58.2	1.644	39.103	0.095	0.0	0.0	2.1	15.5	20.6	28.4	46.2	0.13	0.30	*
Fev															
01-10	20	57.0	1.938	30.944	0.050		6.3	10.5	20.7	25.1	32.0	47.5	0.07	0.31	*
11-20	20	45.0	2.827	17.672	0.100		0.0	0.0	18.5	22.6	28.5	40.5	0.11	0.31	*
21-28	20	33.8	2.708	13.858	0.100		0.0	0.0	13.5	16.6	21.0	30.2	0.13	0.31	*
Mar															
01-10	20	39.7	4.030	10.946	0.100		0.0	0.0	20.1	23.5	28.3	37.7	0.10	0.31	*
11-20	20	55.4	1.161	53.068	0.100		0.0	0.0	9.2	13.6	20.9	38.8	0.12	0.31	*
21-31	20	42.3	1.584	29.671	0.100		0.0	0.0	10.5	14.3	20.1	33.2	0.14	0.31	*
Abr															
01-10	20	45.0	1.533	30.906	0.050		3.2	6.0	13.4	16.8	22.4	35.4	0.07	0.31	*
11-20	20	54.9	2.032	28.411	0.050		6.5	10.8	20.6	24.9	31.5	46.2	0.07	0.31	*
21-30	21	32.5	2.673	14.191	0.143	0.0	0.0	0.0	10.6	14.4	19.3	29.0	0.09	0.30	*
Mai															
01-10	21	50.7	1.752	35.733	0.190	0.0	0.0	0.0	3.9	11.9	21.2	39.7	0.15	0.30	*
11-20	21	40.2	2.184	27.604	0.333	0.0	0.0	0.0	0.0	0.0	0.0	30.3	0.24	0.30	*
21-31	20	48.2	0.906	66.474	0.200		0.0	0.0	0.0	3.1	9.2	26.5	0.15	0.31	*
Jun															
01-10	21	30.3	1.481	23.887	0.143	0.0	0.0	0.0	5.0	8.1	12.6	22.9	0.08	0.30	*
11-20	21	22.8	1.160	29.494	0.333	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.20	0.30	*
21-30	21	26.5	1.618	26.441	0.381	0.0	0.0	0.0	0.0	0.0	0.0	14.8	0.21	0.30	*
Jul															
01-10	20	15.0	1.550	12.940	0.250		0.0	0.0	0.0	0.0	4.3	10.7	0.13	0.31	*
11-20	20	6.8	0.973	19.837	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.31	*
21-31	20	11.8	3.759	6.288	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.31	*
Ago															
01-10	20	15.2	1.616	15.651	0.400		0.0	0.0	0.0	0.0	0.0	7.8	0.20	0.31	*
11-20	20	12.1	1.031	29.408	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.31	*
21-31	20	24.9	0.770	64.588	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
Set															
01-10	20	40.3	1.298	47.734	0.350		0.0	0.0	0.0	0.0	0.0	20.9	0.21	0.31	*
11-20	20	24.9	1.782	23.245	0.400		0.0	0.0	0.0	0.0	0.0	13.9	0.22	0.31	*
21-30	20	41.8	1.199	38.758	0.100		0.0	0.0	7.3	10.7	16.2	29.7	0.09	0.31	*
Out															
01-10	20	36.6	1.290	31.563	0.100		0.0	0.0	7.1	10.1	15.0	26.8	0.09	0.31	*
11-20	20	56.0	2.954	23.680	0.200		0.0	0.0	0.0	20.7	32.0	50.9	0.19	0.31	*
21-31	19	54.8	1.738	35.256	0.105		0.0	0.0	14.7	19.7	27.3	44.2	0.19	0.31	*
Nov															
01-10	20	57.6	2.275	28.125	0.100		0.0	0.0	20.2	25.5	33.3	49.7	0.08	0.31	*
11-20	19	53.8	2.136	34.190	0.263		0.0	0.0	0.0	0.0	19.5	43.3	0.23	0.31	*
21-30	20	70.7	2.173	36.163	0.100		0.0	0.0	23.9	30.4	40.0	60.4	0.15	0.31	*
Dez															
01-10	21	54.7	1.547	39.101	0.095	0.0	0.0	1.6	13.6	18.4	25.8	42.7	0.17	0.30	*
11-20	21	58.4	2.780	21.009	0.000	14.8	17.3	20.4	28.8	32.6	38.6	51.6	0.13	0.30	*
21-31	20	47.6	1.772	28.291	0.050		4.5	7.8	16.1	19.8	25.6	38.9	0.13	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 83. Precipitação pluviométrica decendial esperada (mm) na estação Maracaju (2155000), Município de Maracaju, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°37'02" S, 55°08'11" W, 394 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	31	60.8	1.581	38.437	0.000	7.8	9.8	12.6	21.2	25.4	32.3	48.5	0.10	0.25	*
11-20	31	51.4	1.196	49.350	0.129	0.0	0.0	0.0	7.0	11.4	18.5	35.8	0.07	0.25	*
21-31	31	60.6	2.069	30.255	0.032	6.8	10.1	14.0	24.0	28.5	35.5	51.2	0.08	0.25	*
Fev															
01-10	30	46.0	1.738	28.345	0.067	0.0	1.5	5.9	14.5	18.2	24.1	37.3	0.06	0.25	*
11-20	31	55.9	1.377	41.952	0.032	2.7	4.8	7.6	15.9	20.0	26.7	42.8	0.06	0.25	*
21-28	31	39.7	1.177	34.882	0.032	1.3	2.5	4.1	9.6	12.4	17.1	28.9	0.08	0.25	*
Mar															
01-10	32	49.8	1.211	42.480	0.031	1.8	3.4	5.5	12.4	16.0	21.9	36.6	0.06	0.24	*
11-20	32	39.3	1.027	39.487	0.031	0.9	1.8	3.2	8.0	10.7	15.3	27.1	0.09	0.24	*
21-31	32	50.0	1.118	55.097	0.188	0.0	0.0	0.0	1.4	6.1	13.7	32.0	0.13	0.24	*
Abr															
01-10	32	35.7	1.266	30.087	0.063	0.0	0.7	2.7	8.3	11.0	15.5	26.4	0.08	0.24	*
11-20	32	31.6	1.200	32.382	0.188	0.0	0.0	0.0	1.1	4.4	9.4	21.0	0.09	0.24	*
21-30	32	25.2	0.646	59.308	0.344	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.15	0.24	*
Mai															
01-10	32	23.6	1.011	33.980	0.313	0.0	0.0	0.0	0.0	0.0	0.9	11.0	0.12	0.24	*
11-20	32	38.8	1.217	42.447	0.250	0.0	0.0	0.0	0.0	0.0	8.0	24.0	0.15	0.24	*
21-31	32	38.0	1.112	40.511	0.156	0.0	0.0	0.0	3.1	6.3	11.7	25.0	0.12	0.24	*
Jun															
01-10	33	36.1	0.771	61.839	0.242	0.0	0.0	0.0	0.0	0.1	3.5	15.9	0.16	0.24	*
11-20	33	21.1	0.691	52.943	0.424	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.15	0.24	*
21-30	33	18.6	1.330	20.953	0.333	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.13	0.24	*
Jul															
01-10	33	13.2	1.131	16.701	0.303	0.0	0.0	0.0	0.0	0.0	1.0	7.0	0.11	0.24	*
11-20	33	15.5	0.906	29.703	0.424	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.14	0.24	*
21-31	33	10.6	0.845	23.106	0.455	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.08	0.24	*
Ago															
01-10	32	16.6	0.843	33.163	0.406	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.10	0.24	*
11-20	32	11.7	0.810	28.864	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.24	*
21-31	32	15.8	1.010	24.969	0.375	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.16	0.24	*
Set															
01-10	32	33.4	1.382	35.157	0.313	0.0	0.0	0.0	0.0	0.0	3.0	20.1	0.16	0.24	*
11-20	32	26.3	0.723	46.620	0.219	0.0	0.0	0.0	0.0	0.5	2.9	11.5	0.12	0.24	*
21-30	32	31.9	1.396	26.124	0.125	0.0	0.0	0.0	5.7	8.7	13.2	23.7	0.06	0.24	*
Out															
01-10	31	35.8	1.098	34.893	0.065	0.0	0.3	1.9	6.9	9.4	13.9	25.0	0.06	0.25	*
11-20	31	48.2	1.172	43.972	0.065	0.0	0.6	3.0	10.1	13.6	19.6	34.5	0.09	0.25	*
21-31	32	49.1	1.249	40.550	0.031	1.9	3.5	5.7	12.7	16.2	22.0	36.4	0.13	0.24	*
Nov															
01-10	32	49.3	1.420	38.294	0.094	0.0	0.0	1.4	11.2	15.3	21.9	37.4	0.11	0.24	*
11-20	31	59.5	1.364	46.606	0.065	0.0	1.3	5.1	14.9	19.5	27.0	45.0	0.07	0.25	*
21-30	31	59.3	1.443	41.082	0.000	6.5	8.4	11.0	19.2	23.3	30.1	46.3	0.10	0.25	*
Dez															
01-10	32	59.4	1.912	33.111	0.063	0.0	3.8	9.3	20.6	25.4	32.8	49.3	0.10	0.24	*
11-20	32	61.6	1.740	35.384	0.000	9.1	11.3	14.2	23.1	27.4	34.3	50.3	0.07	0.24	*
21-31	32	72.6	1.962	36.978	0.000	12.6	15.3	18.9	29.5	34.5	42.5	60.7	0.09	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 84. Precipitação pluviométrica decendial esperada (mm) na estação Bodoquena (1956005), Município de Miranda, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°51'42" S, 56°59'05" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	40	63.2	1.388	47.971	0.050	0.0	3.6	7.1	17.1	21.8	29.7	48.3	0.13	0.22	*
11-20	39	68.2	1.385	53.346	0.077	0.0	0.0	4.5	16.4	21.9	30.7	51.6	0.12	0.22	*
21-31	39	62.3	1.964	33.457	0.051	0.0	6.8	11.6	22.8	27.6	35.2	52.2	0.10	0.22	*
Fev															
01-10	39	45.0	1.711	29.335	0.103	0.0	0.0	0.0	12.0	16.1	22.3	36.1	0.07	0.22	*
11-20	39	60.3	1.554	44.484	0.128	0.0	0.0	0.0	12.2	18.0	26.8	46.5	0.08	0.22	*
21-28	39	28.6	1.031	40.098	0.308	0.0	0.0	0.0	0.0	0.0	1.5	13.8	0.12	0.22	*
Mar															
01-10	39	54.7	1.057	59.375	0.128	0.0	0.0	0.0	6.0	10.3	17.5	35.9	0.09	0.22	*
11-20	39	37.5	1.631	34.460	0.333	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.19	0.22	*
21-31	39	39.8	1.906	27.129	0.231	0.0	0.0	0.0	0.0	5.8	15.4	31.4	0.12	0.22	*
Abr															
01-10	39	32.2	1.436	36.416	0.385	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.21	0.22	*
11-20	38	22.9	1.638	20.402	0.316	0.0	0.0	0.0	0.0	0.0	2.5	15.2	0.12	0.22	*
21-30	39	21.7	1.385	21.777	0.282	0.0	0.0	0.0	0.0	0.0	3.9	13.8	0.08	0.22	*
Mai															
01-10	39	22.1	1.472	23.370	0.359	0.0	0.0	0.0	0.0	0.0	0.0	12.3	0.17	0.22	*
11-20	39	16.1	1.247	21.885	0.410	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.10	0.22	*
21-31	39	18.3	1.558	21.768	0.462	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.20	0.22	*
Jun															
01-10	38	18.3	1.866	19.634	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.22	*
11-20	38	10.9	1.042	19.917	0.474	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.11	0.22	*
21-30	38	9.7	1.375	16.674	0.579	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.22	*
Jul															
01-10	40	9.1	1.423	18.363	0.650	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.22	
11-20	41	11.5	0.813	38.529	0.634	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.21	*
21-31	42	15.2	0.910	39.023	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.21	*
Ago															
01-10	41	13.5	0.887	41.452	0.634	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.21	*
11-20	40	10.4	0.820	39.073	0.675	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.22	*
21-31	40	11.5	0.978	29.451	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.22	*
Set															
01-10	41	15.4	0.826	40.360	0.537	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.21	*
11-20	40	13.6	1.128	19.350	0.375	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.09	0.22	*
21-30	40	25.2	1.329	24.455	0.225	0.0	0.0	0.0	0.0	2.2	7.0	17.0	0.11	0.22	*
Out															
01-10	40	27.0	1.014	38.077	0.300	0.0	0.0	0.0	0.0	0.0	1.8	13.2	0.11	0.22	*
11-20	40	24.3	0.860	40.312	0.300	0.0	0.0	0.0	0.0	0.0	1.0	10.1	0.14	0.22	*
21-31	38	38.6	1.197	36.088	0.105	0.0	0.0	0.0	6.5	9.6	14.8	27.3	0.12	0.22	*
Nov															
01-10	40	33.5	2.001	22.328	0.250	0.0	0.0	0.0	0.0	0.0	12.4	26.6	0.13	0.22	*
11-20	40	51.7	1.600	39.196	0.175	0.0	0.0	0.0	5.8	12.3	21.1	39.5	0.14	0.22	*
21-30	40	32.7	1.693	26.626	0.275	0.0	0.0	0.0	0.0	0.0	8.4	23.5	0.15	0.22	*
Dez															
01-10	40	42.6	1.525	32.869	0.150	0.0	0.0	0.0	6.8	11.3	17.8	32.4	0.14	0.22	*
11-20	40	51.8	1.589	37.220	0.125	0.0	0.0	0.0	11.1	16.0	23.6	40.3	0.16	0.22	*
21-31	40	64.6	1.082	64.468	0.075	0.0	0.0	2.4	11.4	16.1	24.2	44.5	0.10	0.22	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 85. Precipitação pluviométrica decendial esperada (mm) na estação Porto Carreiro (1956006), Município de Miranda, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°57'00" S, 56°52'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	16	101.9	1.617	63.010	0.000		16.9	21.7	36.2	43.3	54.8	81.8	0.12	0.34 *
11-20	16	63.1	1.435	54.168	0.188		0.0	0.0	3.6	11.7	22.5	45.7	0.17	0.34 *
21-31	16	93.2	1.485	66.929	0.063		3.2	9.8	25.7	33.0	44.8	72.5	0.16	0.34 *
Fev														
01-10	16	43.2	2.202	24.121	0.188		0.0	0.0	5.8	13.3	21.4	36.4	0.14	0.34 *
11-20	16	59.8	1.858	32.166	0.000		11.8	14.8	23.5	27.6	34.2	49.4	0.08	0.34 *
21-28	16	44.7	1.363	37.446	0.125		0.0	0.0	7.8	11.8	18.2	32.9	0.16	0.34 *
Mar														
01-10	14	48.6	1.104	51.353	0.143			0.0	4.8	8.8	15.5	32.2	0.15	0.37 *
11-20	14	38.7	1.296	41.767	0.286			0.0	0.0	0.0	5.8	23.5	0.21	0.37 *
21-31	14	41.5	1.374	42.285	0.286			0.0	0.0	0.0	6.9	26.2	0.18	0.37 *
Abr														
01-10	13	48.3	1.772	35.464	0.231			0.0	0.0	6.2	17.6	37.0	0.18	0.38 *
11-20	13	11.2	5.634	4.299	0.538			0.0	0.0	0.0	0.0	0.0	0.29	0.38 *
21-30	14	24.8	1.495	23.170	0.286			0.0	0.0	0.0	4.7	16.4	0.19	0.37 *
Mai														
01-10	15	32.1	4.274	12.503	0.400		0.0	0.0	0.0	0.0	0.0	29.2	0.27	0.35 *
11-20	15	22.3	1.461	20.781	0.267		0.0	0.0	0.0	0.0	5.1	15.0	0.13	0.35 *
21-31	15	19.0	2.889	14.091	0.533		0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.35 *
Jun														
01-10	14	11.1	2.076	18.771	0.714			0.0	0.0	0.0	0.0	0.0	0.20	0.37 *
11-20	13	6.8	2.427	6.044	0.538			0.0	0.0	0.0	0.0	0.0	0.11	0.38 *
21-30	13	7.0	23.606	1.285	0.769			0.0	0.0	0.0	0.0	0.0	0.23	0.38 *
Jul														
01-10	15	6.6	7.447	4.454	0.800		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.35 *
11-20	15	2.1	1.715	9.331	0.867		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.35 *
21-31	15	7.5	2.410	7.747	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.35 *
Ago														
01-10	14	8.3	2.168	8.896	0.571			0.0	0.0	0.0	0.0	0.0	0.11	0.37 *
11-20	14	9.5	2.648	10.044	0.643			0.0	0.0	0.0	0.0	0.0	0.24	0.37 *
21-31	14	11.5	1.539	20.860	0.643			0.0	0.0	0.0	0.0	0.0	0.28	0.37 *
Set														
01-10	15	18.8	2.458	16.419	0.533		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.35 *
11-20	15	28.8	4.004	13.469	0.467		0.0	0.0	0.0	0.0	0.0	19.9	0.28	0.35 *
21-30	15	38.9	2.091	19.912	0.067		2.0	6.5	14.3	17.4	22.3	32.9	0.10	0.35 *
Out														
01-10	13	26.3	1.545	22.141	0.231			0.0	0.0	2.6	8.3	19.0	0.14	0.38 *
11-20	13	28.7	2.291	18.080	0.308			0.0	0.0	0.0	6.9	22.8	0.24	0.38 *
21-31	13	41.1	1.511	27.176	0.000			8.1	13.8	16.7	21.3	32.4	0.16	0.38 *
Nov														
01-10	14	55.7	1.408	50.363	0.214			0.0	0.0	6.9	17.4	39.1	0.13	0.37 *
11-20	14	71.6	1.902	43.916	0.143			0.0	16.5	24.4	35.5	58.7	0.14	0.37 *
21-30	14	64.7	1.968	38.369	0.143			0.0	15.5	22.7	32.7	53.5	0.14	0.37 *
Dez														
01-10	15	58.1	1.728	38.795	0.133		0.0	0.0	12.9	18.8	27.5	46.3	0.19	0.35 *
11-20	14	70.9	1.507	47.045	0.000			13.9	23.8	28.7	36.8	56.0	0.13	0.37 *
21-31	14	90.1	2.099	50.092	0.143			0.0	23.2	33.3	47.3	75.9	0.18	0.37 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 86. Precipitação pluviométrica decendial esperada (mm) na estação Miranda (2056001), Município de Miranda, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°14'29" S, 56°22'06" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	25	73.7	1.436	53.472	0.040	2.7	5.9	9.9	21.3	26.8	35.8	57.1	0.12	0.27	*
11-20	26	52.6	1.145	49.776	0.077	0.0	0.0	2.1	10.0	13.9	20.5	37.1	0.12	0.27	*
21-31	26	65.3	1.877	36.171	0.038	4.9	8.7	12.9	23.8	28.7	36.5	54.1	0.09	0.27	*
Fev															
01-10	26	39.3	2.838	14.415	0.038	5.9	8.9	11.8	18.6	21.5	25.8	35.1	0.07	0.27	*
11-20	26	49.0	0.919	60.264	0.115	0.0	0.0	0.0	4.7	8.0	14.0	30.2	0.10	0.27	*
21-28	25	26.8	1.372	20.309	0.040	0.9	2.0	3.3	7.4	9.4	12.6	20.4	0.12	0.27	*
Mar															
01-10	24	25.9	1.145	22.633	0.000	1.8	2.5	3.4	6.7	8.5	11.4	18.9	0.18	0.28	*
11-20	25	30.4	0.809	39.191	0.040	0.1	0.5	1.2	4.2	6.0	9.3	18.6	0.09	0.27	*
21-31	25	30.8	0.913	38.281	0.120	0.0	0.0	0.0	2.8	4.8	8.6	18.8	0.09	0.27	*
Abr															
01-10	25	25.0	1.282	24.328	0.200	0.0	0.0	0.0	0.0	3.3	7.5	16.9	0.16	0.27	*
11-20	25	25.2	0.999	30.053	0.160	0.0	0.0	0.0	1.5	3.4	6.8	15.6	0.07	0.27	*
21-30	25	26.6	0.697	56.067	0.320	0.0	0.0	0.0	0.0	0.0	0.1	7.9	0.17	0.27	*
Mai															
01-10	25	24.7	0.848	36.485	0.200	0.0	0.0	0.0	0.0	1.3	4.3	12.9	0.15	0.27	*
11-20	26	20.3	0.810	40.622	0.385	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.21	0.27	*
21-31	26	43.2	0.947	56.421	0.192	0.0	0.0	0.0	0.4	3.5	9.3	24.7	0.08	0.27	*
Jun															
01-10	26	9.9	0.567	32.476	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.12	0.27	*
11-20	26	13.9	0.798	26.618	0.346	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.13	0.27	*
21-30	26	10.6	0.898	19.242	0.385	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.13	0.27	*
Jul															
01-10	27	6.8	0.782	16.714	0.481	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.07	0.26	*
11-20	26	6.3	0.730	17.311	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.27	*
21-31	27	7.4	0.867	17.762	0.519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.26	*
Ago															
01-10	26	10.9	0.987	24.009	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.27	*
11-20	26	4.3	0.864	11.835	0.577	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.27	*
21-31	26	11.2	1.244	17.994	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.27	*
Set															
01-10	25	22.9	0.956	33.339	0.280	0.0	0.0	0.0	0.0	0.0	2.1	11.2	0.21	0.27	*
11-20	25	18.8	1.069	25.806	0.320	0.0	0.0	0.0	0.0	0.0	0.5	9.0	0.11	0.27	*
21-30	24	26.8	0.910	32.158	0.083	0.0	0.0	0.4	3.4	5.2	8.3	16.9	0.07	0.28	*
Out															
01-10	24	21.9	0.987	25.400	0.125	0.0	0.0	0.0	2.2	3.8	6.6	13.9	0.06	0.28	*
11-20	24	36.1	1.205	34.288	0.125	0.0	0.0	0.0	5.2	8.2	13.2	25.3	0.12	0.28	*
21-31	23	57.4	1.273	47.160	0.043	1.1	3.2	6.0	14.5	18.7	25.7	42.7	0.10	0.29	*
Nov															
01-10	23	37.8	0.826	47.841	0.043	0.1	0.6	1.5	5.3	7.5	11.7	23.3	0.15	0.29	*
11-20	25	74.6	1.465	55.302	0.080	0.0	0.0	5.0	18.8	24.9	34.7	57.4	0.12	0.27	*
21-30	26	40.5	2.089	20.170	0.038	3.7	6.3	9.1	16.0	19.0	23.7	34.3	0.11	0.27	*
Dez															
01-10	27	63.5	1.175	56.133	0.037	1.6	3.5	6.2	15.0	19.5	27.1	46.1	0.11	0.26	*
11-20	26	46.0	1.693	27.184	0.000	6.5	8.1	10.3	16.9	20.1	25.3	37.3	0.12	0.27	*
21-31	24	63.8	1.128	56.574	0.000	4.3	5.9	8.3	16.3	20.6	27.9	46.2	0.10	0.28	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 87. Precipitação pluviométrica decendial esperada (mm) na estação Guaicurus (2056005), Município de Miranda, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°06'07" S, 56°47'43" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	58	76.7	1.449	52.933	0.000	8.5	10.9	14.3	25.0	30.3	39.0	59.9	0.06	0.18	*
11-20	58	60.1	1.680	38.452	0.069	0.0	0.9	7.0	18.3	23.1	30.8	48.4	0.10	0.18	*
21-31	58	72.6	1.369	54.957	0.034	3.2	5.9	9.6	20.4	25.7	34.4	55.5	0.06	0.18	*
Fev															
01-10	57	59.0	1.589	37.805	0.018	5.8	8.1	11.1	19.9	24.1	31.0	47.1	0.09	0.18	*
11-20	57	78.9	1.483	54.158	0.018	6.9	9.7	13.5	25.1	30.7	40.0	61.9	0.10	0.18	*
21-28	57	52.3	1.067	49.895	0.018	2.1	3.4	5.3	11.8	15.4	21.4	36.9	0.10	0.18	*
Mar															
01-10	57	60.2	1.152	55.210	0.053	0.0	1.9	4.5	13.0	17.4	24.7	43.1	0.07	0.18	*
11-20	57	41.5	1.228	37.786	0.105	0.0	0.0	0.0	7.2	10.6	16.2	29.7	0.06	0.18	*
21-31	57	51.3	1.065	61.048	0.211	0.0	0.0	0.0	0.0	3.9	11.7	30.9	0.09	0.18	*
Abr															
01-10	56	36.0	1.054	46.658	0.268	0.0	0.0	0.0	0.0	0.0	4.8	19.5	0.16	0.18	*
11-20	56	29.6	0.932	40.403	0.214	0.0	0.0	0.0	0.0	1.4	5.4	16.2	0.10	0.18	*
21-30	56	34.1	1.157	38.361	0.232	0.0	0.0	0.0	0.0	1.6	7.5	21.0	0.07	0.18	*
Mai															
01-10	56	29.3	1.140	42.291	0.393	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.19	0.18	
11-20	56	27.0	0.813	44.244	0.250	0.0	0.0	0.0	0.0	0.0	2.7	12.2	0.10	0.18	*
21-31	56	19.7	1.214	32.495	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.18	
Jun															
01-10	57	20.5	0.865	39.725	0.404	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.13	0.18	*
11-20	57	11.2	1.009	30.205	0.632	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.18	*
21-30	57	7.2	0.952	24.039	0.684	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.18	*
Jul															
01-10	58	7.9	0.910	25.147	0.655	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.18	*
11-20	60	18.4	0.734	57.844	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.18	*
21-31	60	16.9	0.715	54.619	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.18	*
Ago															
01-10	59	13.6	0.610	59.697	0.627	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.18	*
11-20	59	11.6	0.633	44.957	0.593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.18	*
21-31	59	20.4	0.762	47.757	0.441	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.13	0.18	*
Set															
01-10	58	21.1	0.758	55.702	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.18	*
11-20	56	19.2	1.243	25.410	0.393	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.16	0.18	*
21-30	56	24.8	1.716	21.275	0.321	0.0	0.0	0.0	0.0	0.0	2.2	16.8	0.16	0.18	*
Out															
01-10	58	29.6	1.196	29.931	0.172	0.0	0.0	0.0	1.9	4.8	9.3	19.9	0.07	0.18	*
11-20	58	38.2	1.216	37.202	0.155	0.0	0.0	0.0	3.8	7.3	12.9	26.3	0.10	0.18	*
21-31	58	47.0	1.057	47.751	0.069	0.0	0.1	2.0	8.3	11.7	17.5	32.2	0.08	0.18	*
Nov															
01-10	58	43.4	1.491	33.742	0.138	0.0	0.0	0.0	7.6	11.9	18.4	32.9	0.08	0.18	*
11-20	58	57.1	1.856	34.320	0.103	0.0	0.0	0.0	16.5	21.8	29.6	46.9	0.08	0.18	*
21-30	58	48.9	1.636	33.305	0.103	0.0	0.0	0.0	12.4	16.8	23.5	38.7	0.07	0.18	*
Dez															
01-10	58	50.4	1.356	39.907	0.069	0.0	0.3	3.9	12.3	16.2	22.6	38.0	0.06	0.18	*
11-20	58	47.5	1.567	33.160	0.086	0.0	0.0	2.9	12.5	16.5	22.9	37.3	0.05	0.18	*
21-31	58	71.9	1.823	42.359	0.069	0.0	1.4	9.5	23.5	29.4	38.5	59.0	0.06	0.18	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 88. Precipitação pluviométrica decendial esperada (mm) na estação Miranda (2056006), Município de Miranda, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°13'60" S, 56°22'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	15	76.5	1.085	70.463	0.000		6.6	9.3	18.8	23.8	32.5	54.7	0.12	0.35	*
11-20	15	59.4	1.449	43.925	0.067		1.1	5.5	15.7	20.4	28.0	45.8	0.11	0.35	*
21-31	15	76.3	1.552	49.130	0.000		12.0	15.5	26.3	31.6	40.2	60.7	0.15	0.35	*
Fev															
01-10	15	43.5	3.165	13.758	0.000		14.2	16.6	22.8	25.6	29.8	39.0	0.14	0.35	*
11-20	15	65.0	1.528	42.516	0.000		10.0	12.9	22.1	26.6	34.0	51.5	0.14	0.35	*
21-28	15	19.3	1.109	18.660	0.067		0.1	1.0	3.7	5.1	7.5	13.5	0.16	0.35	*
Mar															
01-10	16	40.6	1.160	35.007	0.000		4.0	5.5	10.7	13.4	18.1	29.7	0.15	0.34	*
11-20	16	30.2	0.741	46.584	0.125		0.0	0.0	1.5	3.1	6.3	16.0	0.14	0.34	*
21-31	16	37.7	0.698	66.589	0.188		0.0	0.0	0.1	1.5	5.0	17.1	0.14	0.34	*
Abr															
01-10	16	24.1	1.566	20.547	0.250		0.0	0.0	0.0	0.0	6.9	17.2	0.25	0.34	*
11-20	16	17.4	1.001	21.361	0.188		0.0	0.0	0.3	1.7	4.1	10.4	0.10	0.34	*
21-30	16	28.3	0.719	48.424	0.188		0.0	0.0	0.1	1.2	4.0	13.2	0.11	0.34	*
Mai															
01-10	16	27.1	0.862	38.672	0.188		0.0	0.0	0.3	1.9	5.2	14.6	0.19	0.34	*
11-20	16	28.8	0.829	61.815	0.438		0.0	0.0	0.0	0.0	0.0	4.2	0.14	0.34	*
21-31	16	26.6	1.238	31.214	0.313		0.0	0.0	0.0	0.0	1.8	14.7	0.20	0.34	*
Jun															
01-10	15	15.4	0.662	34.987	0.333		0.0	0.0	0.0	0.0	0.0	3.9	0.14	0.35	*
11-20	15	19.9	1.100	27.107	0.333		0.0	0.0	0.0	0.0	0.0	9.4	0.18	0.35	*
21-30	15	13.0	1.218	15.981	0.333		0.0	0.0	0.0	0.0	0.0	6.7	0.14	0.35	*
Jul															
01-10	16	6.8	0.615	22.183	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.34	*
11-20	16	4.7	0.768	13.940	0.563		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.34	*
21-31	16	8.6	0.848	20.311	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.34	*
Ago															
01-10	16	8.6	3.517	5.557	0.563		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.34	*
11-20	16	4.2	0.594	14.118	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.34	*
21-31	16	18.3	0.733	44.300	0.438		0.0	0.0	0.0	0.0	0.0	2.0	0.17	0.34	*
Set															
01-10	16	16.5	0.632	34.780	0.250		0.0	0.0	0.0	0.0	0.9	5.7	0.18	0.34	*
11-20	16	26.3	2.573	16.334	0.375		0.0	0.0	0.0	0.0	0.0	20.0	0.20	0.34	*
21-30	16	25.2	0.877	30.646	0.063		0.1	0.7	3.5	5.1	8.0	15.8	0.13	0.34	*
Out															
01-10	16	25.3	0.942	30.708	0.125		0.0	0.0	2.3	4.1	7.2	15.6	0.11	0.34	*
11-20	16	37.8	2.002	21.607	0.125		0.0	0.0	10.5	14.3	19.9	31.6	0.13	0.34	*
21-31	16	27.8	0.901	41.170	0.250		0.0	0.0	0.0	0.0	3.4	13.8	0.13	0.34	*
Nov															
01-10	15	56.4	1.148	52.612	0.067		0.4	3.2	11.3	15.5	22.5	40.0	0.14	0.35	*
11-20	15	56.7	0.762	85.826	0.133		0.0	0.0	2.7	5.8	11.9	30.3	0.14	0.35	*
21-30	16	45.8	1.628	30.000	0.063		2.0	5.6	13.8	17.5	23.2	36.5	0.12	0.34	*
Dez															
01-10	16	41.5	1.516	31.322	0.125		0.0	0.0	8.4	12.3	18.3	31.8	0.10	0.34	*
11-20	16	61.4	1.409	46.455	0.063		1.8	5.8	16.0	20.8	28.6	46.9	0.16	0.34	*
21-31	16	78.1	1.062	78.416	0.063		0.9	4.0	14.4	20.0	29.5	53.8	0.12	0.34	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 89. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Vaca Branca (2353048), Município de Naviraí, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°04'24" S, 53°49'11" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	49.3	0.762	71.899	0.100		0.0	0.0	3.7	6.5	11.8	27.5	0.13	0.31	*
11-20	20	73.9	3.637	23.898	0.150		0.0	0.0	29.4	38.4	49.5	69.9	0.17	0.31	*
21-31	20	60.7	1.357	52.614	0.150		0.0	0.0	8.0	13.9	23.1	44.0	0.21	0.31	*
Fev															
01-10	20	55.2	1.296	50.067	0.150		0.0	0.0	6.7	12.0	20.2	39.2	0.12	0.31	*
11-20	20	45.9	2.037	25.028	0.100		0.0	0.0	14.7	18.9	25.1	38.6	0.09	0.31	*
21-28	20	59.1	1.405	46.769	0.100		0.0	0.0	12.8	17.8	25.9	44.6	0.13	0.31	*
Mar															
01-10	20	32.1	2.356	16.014	0.150		0.0	0.0	8.8	12.7	17.7	27.8	0.10	0.31	*
11-20	19	38.7	1.582	30.973	0.211		0.0	0.0	0.0	6.3	13.8	28.7	0.18	0.31	*
21-31	20	33.1	1.489	27.764	0.200		0.0	0.0	0.0	5.6	11.6	24.1	0.09	0.31	*
Abr															
01-10	20	41.8	1.576	31.177	0.150		0.0	0.0	7.0	11.4	17.9	32.1	0.16	0.31	*
11-20	20	47.0	2.874	19.226	0.150		0.0	0.0	15.5	21.3	28.6	42.5	0.14	0.31	*
21-30	20	27.9	1.548	25.750	0.300		0.0	0.0	0.0	0.0	4.4	18.4	0.12	0.31	*
Mai															
01-10	20	33.0	1.271	34.662	0.250		0.0	0.0	0.0	0.0	7.3	21.0	0.14	0.31	*
11-20	20	46.6	1.320	58.874	0.400		0.0	0.0	0.0	0.0	0.0	19.8	0.27	0.31	*
21-31	19	38.8	2.503	18.413	0.158		0.0	0.0	10.6	15.6	21.9	34.1	0.15	0.31	*
Jun															
01-10	19	29.5	1.157	34.622	0.263		0.0	0.0	0.0	0.0	4.9	17.3	0.11	0.31	*
11-20	19	20.6	1.869	17.414	0.368		0.0	0.0	0.0	0.0	0.0	13.2	0.24	0.31	*
21-30	20	17.4	1.153	25.107	0.400		0.0	0.0	0.0	0.0	0.0	6.3	0.21	0.31	*
Jul															
01-10	20	14.7	1.575	15.600	0.400		0.0	0.0	0.0	0.0	0.0	7.4	0.16	0.31	*
11-20	21	15.5	1.169	30.913	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.30	*
21-31	21	23.8	1.265	32.909	0.429	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.15	0.30	*
Ago															
01-10	21	18.6	1.502	25.998	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.30	*
11-20	21	27.0	0.649	87.409	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.30	*
21-31	20	35.6	0.886	61.798	0.350		0.0	0.0	0.0	0.0	0.0	12.5	0.18	0.31	*
Set															
01-10	20	35.3	0.780	64.715	0.300		0.0	0.0	0.0	0.0	1.0	13.2	0.20	0.31	*
11-20	20	31.5	0.979	35.763	0.100		0.0	0.0	4.0	6.2	10.1	20.3	0.11	0.31	*
21-30	20	46.9	0.892	58.393	0.100		0.0	0.0	5.0	8.0	13.6	28.8	0.10	0.31	*
Out															
01-10	20	48.5	2.451	23.277	0.150		0.0	0.0	13.9	19.7	27.4	42.4	0.14	0.31	*
11-20	20	61.2	1.921	35.379	0.100		0.0	0.0	18.6	24.1	32.5	50.7	0.10	0.31	*
21-31	19	50.6	1.100	51.422	0.105		0.0	0.0	7.5	11.4	18.0	34.5	0.12	0.31	*
Nov															
01-10	20	51.3	1.956	27.622	0.050		5.7	9.6	18.8	22.7	29.0	42.9	0.07	0.31	*
11-20	20	36.2	1.505	28.290	0.150		0.0	0.0	5.6	9.4	15.0	27.3	0.16	0.31	*
21-30	20	31.8	1.172	36.226	0.250		0.0	0.0	0.0	0.0	6.2	19.2	0.18	0.31	*
Dez															
01-10	20	37.4	2.086	19.930	0.100		0.0	0.0	12.2	15.7	20.7	31.6	0.12	0.31	*
11-20	20	53.0	1.664	33.513	0.050		4.4	8.0	17.0	21.1	27.6	42.6	0.16	0.31	*
21-31	20	46.4	3.259	18.994	0.250		0.0	0.0	0.0	0.0	24.7	43.0	0.20	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 90. Precipitação pluviométrica decendial esperada (mm) na estação Naviraí (2354000), Município de Naviraí, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°03'48" S, 54°12'01" W, 476 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	32	42.2	1.718	24.554	0.000	6.1	7.6	9.6	15.7	18.6	23.3	34.3	0.08	0.24	*
11-20	32	69.7	1.208	59.559	0.031	2.5	4.7	7.7	17.4	22.3	30.6	51.2	0.13	0.24	*
21-31	32	48.0	2.210	22.428	0.031	6.1	8.8	12.0	19.9	23.4	28.9	41.1	0.11	0.24	*
Fev															
01-10	32	40.6	1.646	24.641	0.000	5.5	6.9	8.8	14.6	17.4	22.0	32.7	0.11	0.24	*
11-20	32	57.9	1.689	34.300	0.000	8.2	10.2	13.0	21.3	25.3	31.8	47.0	0.09	0.24	*
21-28	32	48.5	1.702	29.438	0.031	3.9	6.2	9.0	16.7	20.3	26.0	39.3	0.06	0.24	*
Mar															
01-10	32	39.9	2.303	17.310	0.000	8.4	9.9	12.0	17.9	20.6	24.8	34.3	0.18	0.24	*
11-20	32	39.9	1.397	30.476	0.063	0.0	1.1	3.7	10.3	13.4	18.5	30.4	0.11	0.24	*
21-31	32	36.4	1.068	37.555	0.094	0.0	0.0	0.4	5.6	8.3	12.9	24.6	0.10	0.24	*
Abr															
01-10	32	30.5	1.541	26.378	0.250	0.0	0.0	0.0	0.0	0.0	8.6	21.5	0.13	0.24	*
11-20	32	44.9	1.729	30.807	0.156	0.0	0.0	0.0	8.0	13.1	20.3	35.6	0.12	0.24	*
21-30	32	35.5	1.285	34.006	0.188	0.0	0.0	0.0	1.5	5.5	11.3	24.4	0.07	0.24	*
Mai															
01-10	32	36.6	1.302	35.969	0.219	0.0	0.0	0.0	0.0	3.6	10.2	24.5	0.09	0.24	*
11-20	32	52.3	0.886	69.899	0.156	0.0	0.0	0.0	2.4	5.8	12.3	30.1	0.15	0.24	*
21-31	33	37.0	1.201	32.760	0.061	0.0	0.8	2.6	8.1	10.9	15.5	26.8	0.14	0.24	*
Jun															
01-10	33	35.0	1.059	40.408	0.182	0.0	0.0	0.0	1.2	4.2	9.2	21.8	0.08	0.24	*
11-20	33	26.3	1.224	29.601	0.273	0.0	0.0	0.0	0.0	0.0	4.3	15.8	0.14	0.24	*
21-30	33	23.0	1.055	31.265	0.303	0.0	0.0	0.0	0.0	0.0	1.5	11.5	0.12	0.24	*
Jul															
01-10	32	17.2	1.260	18.954	0.281	0.0	0.0	0.0	0.0	0.0	2.6	10.3	0.09	0.24	*
11-20	32	15.7	1.347	19.596	0.406	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.14	0.24	*
21-31	32	13.7	1.204	19.224	0.406	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.11	0.24	*
Ago															
01-10	32	18.5	1.985	13.556	0.313	0.0	0.0	0.0	0.0	0.0	3.3	13.7	0.13	0.24	*
11-20	32	18.6	1.052	31.454	0.438	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.18	0.24	*
21-31	32	24.2	1.091	37.426	0.406	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.17	0.24	*
Set															
01-10	32	32.9	1.294	36.926	0.313	0.0	0.0	0.0	0.0	0.0	2.5	18.8	0.16	0.24	*
11-20	32	30.8	1.054	35.992	0.188	0.0	0.0	0.0	0.7	3.4	7.8	19.0	0.09	0.24	*
21-30	32	47.5	1.538	32.958	0.063	0.0	1.8	5.3	13.6	17.3	23.3	37.3	0.06	0.24	*
Out															
01-10	32	60.1	1.281	48.407	0.031	2.5	4.6	7.3	15.9	20.2	27.4	45.0	0.08	0.24	*
11-20	32	61.3	1.677	37.761	0.031	4.8	7.7	11.1	20.9	25.4	32.7	49.6	0.09	0.24	*
21-31	32	60.6	1.400	44.666	0.031	3.2	5.5	8.5	17.6	22.0	29.2	46.6	0.08	0.24	*
Nov															
01-10	33	60.7	1.932	33.468	0.061	0.0	4.5	9.9	21.3	26.2	33.7	50.6	0.08	0.24	*
11-20	33	54.3	1.308	41.525	0.000	5.0	6.6	8.8	16.2	19.9	26.1	41.3	0.13	0.24	*
21-30	33	57.5	1.139	52.042	0.030	1.8	3.4	5.7	13.4	17.4	24.3	41.3	0.07	0.24	*
Dez															
01-10	33	57.6	2.557	23.994	0.061	0.0	7.0	13.3	24.7	29.2	36.1	50.7	0.06	0.24	*
11-20	33	60.6	2.081	30.019	0.030	7.2	10.5	14.3	24.2	28.7	35.6	51.3	0.05	0.24	*
21-31	33	60.5	1.795	34.793	0.030	5.6	8.5	12.1	21.8	26.2	33.4	49.7	0.05	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 91. Precipitação pluviométrica decendial esperada (mm) na estação Nioaque - 3RI (2155001), Município de Nioaque, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°08'58" S, 55°49'27" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	51.4	0.953	56.361	0.043	0.3	1.3	2.9	9.0	12.3	18.3	34.1	0.15	0.29	*
11-20	23	53.9	2.120	30.806	0.174	0.0	0.0	0.0	9.8	17.5	26.9	45.2	0.17	0.29	*
21-31	22	46.8	2.206	22.226	0.045	3.1	7.0	10.5	18.8	22.4	27.9	40.1	0.11	0.29	*
Fev															
01-10	24	37.2	1.396	29.064	0.083	0.0	0.0	2.0	8.8	11.8	16.7	28.2	0.07	0.28	*
11-20	24	51.8	1.612	35.030	0.083	0.0	0.0	3.8	14.3	18.6	25.4	41.0	0.08	0.28	*
21-28	24	24.7	1.993	14.862	0.167	0.0	0.0	0.0	4.6	7.9	12.0	20.4	0.06	0.28	*
Mar															
01-10	24	30.1	1.802	19.087	0.125	0.0	0.0	0.0	7.5	10.5	14.9	24.4	0.10	0.28	*
11-20	24	41.7	1.526	28.488	0.042	1.6	3.6	6.0	12.7	15.8	20.9	32.8	0.13	0.28	*
21-31	24	34.5	1.099	41.836	0.250	0.0	0.0	0.0	0.0	0.0	6.1	20.0	0.13	0.28	*
Abr															
01-10	24	33.3	1.015	46.281	0.292	0.0	0.0	0.0	0.0	0.0	2.7	16.6	0.15	0.28	*
11-20	24	29.8	0.841	49.946	0.292	0.0	0.0	0.0	0.0	0.0	1.5	12.4	0.19	0.28	*
21-30	24	32.4	1.328	36.623	0.333	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.21	0.28	*
Mai															
01-10	26	17.0	2.835	8.653	0.308	0.0	0.0	0.0	0.0	0.0	5.3	14.7	0.13	0.27	*
11-20	26	27.9	0.829	51.527	0.346	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.19	0.27	*
21-31	26	28.1	0.936	39.014	0.231	0.0	0.0	0.0	0.0	0.7	4.5	15.0	0.17	0.27	*
Jun															
01-10	26	18.6	1.101	24.359	0.308	0.0	0.0	0.0	0.0	0.0	1.1	9.5	0.10	0.27	*
11-20	26	16.9	0.692	45.388	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.15	0.27	*
21-30	26	11.6	0.865	21.821	0.385	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.12	0.27	*
Jul															
01-10	26	7.0	2.460	5.252	0.462	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.09	0.27	*
11-20	26	16.3	0.662	45.834	0.462	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.08	0.27	*
21-31	26	16.3	0.684	51.673	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	*
Ago															
01-10	25	13.5	0.848	33.167	0.520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.27	*
11-20	26	9.5	0.879	25.613	0.577	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.27	*
21-31	26	18.3	1.401	30.876	0.577	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.27	*
Set															
01-10	26	23.1	1.055	33.540	0.346	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.14	0.27	*
11-20	26	25.8	1.402	25.201	0.269	0.0	0.0	0.0	0.0	0.0	5.5	16.9	0.13	0.27	*
21-30	26	33.9	1.169	32.825	0.115	0.0	0.0	0.0	5.1	7.8	12.4	23.6	0.09	0.27	*
Out															
01-10	24	29.4	1.149	34.116	0.250	0.0	0.0	0.0	0.0	0.0	5.6	17.5	0.16	0.28	*
11-20	24	38.8	1.082	39.084	0.083	0.0	0.0	1.0	6.5	9.4	14.2	26.6	0.09	0.28	*
21-31	25	46.0	1.416	35.335	0.080	0.0	0.0	2.9	11.2	14.9	20.9	35.1	0.13	0.27	*
Nov															
01-10	26	41.4	1.383	37.043	0.192	0.0	0.0	0.0	1.5	6.9	14.0	29.3	0.15	0.27	*
11-20	26	44.2	2.508	19.080	0.077	0.0	0.0	8.0	17.9	21.6	27.1	38.8	0.13	0.27	*
21-30	25	44.1	1.674	29.941	0.120	0.0	0.0	0.0	10.4	14.6	21.0	35.0	0.09	0.27	*
Dez															
01-10	26	55.1	1.736	35.864	0.115	0.0	0.0	0.0	13.9	19.2	27.0	44.2	0.12	0.27	*
11-20	26	48.5	3.081	16.377	0.038	8.1	11.9	15.6	24.0	27.4	32.7	43.8	0.07	0.27	*
21-31	26	47.5	2.213	21.475	0.000	9.5	11.4	13.8	20.8	24.0	29.1	40.6	0.11	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 92. Precipitação pluviométrica decendial esperada (mm) na estação Porto Pindaíba (2153000), Município de Nova Andradina, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°36'52" S, 53°03'04" W, 293 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	32	78.8	1.372	59.305	0.031	4.0	6.9	10.8	22.4	28.1	37.6	60.3	0.08	0.24	*
11-20	32	77.6	1.264	63.362	0.031	3.2	5.7	9.3	20.3	25.8	35.1	57.9	0.06	0.24	*
21-31	32	87.7	0.958	101.037	0.094	0.0	0.0	0.6	11.2	17.3	28.0	56.3	0.10	0.24	*
Fev															
01-10	32	80.6	1.366	58.968	0.000	8.0	10.5	13.9	24.9	30.5	39.7	62.0	0.10	0.24	*
11-20	32	62.4	1.352	50.951	0.094	0.0	0.0	1.5	13.4	18.5	26.9	46.6	0.10	0.24	*
21-28	31	53.6	2.199	26.049	0.065	0.0	3.9	9.9	20.5	24.9	31.5	45.9	0.06	0.25	*
Mar															
01-10	32	67.5	0.844	82.555	0.031	0.7	1.7	3.4	10.4	14.5	22.0	42.5	0.12	0.24	*
11-20	32	45.9	1.221	37.624	0.000	3.7	4.9	6.8	12.8	15.9	21.1	34.2	0.07	0.24	*
21-31	32	46.4	1.665	30.752	0.094	0.0	0.0	2.0	12.6	16.6	22.9	37.0	0.11	0.24	*
Abr															
01-10	32	28.1	1.189	29.038	0.188	0.0	0.0	0.0	1.0	3.8	8.2	18.5	0.10	0.24	*
11-20	32	41.2	1.138	42.905	0.156	0.0	0.0	0.0	3.5	7.1	13.0	27.4	0.10	0.24	*
21-30	31	23.9	0.855	41.215	0.323	0.0	0.0	0.0	0.0	0.0	0.2	9.1	0.15	0.25	*
Mai															
01-10	31	28.7	1.134	37.353	0.323	0.0	0.0	0.0	0.0	0.0	0.7	14.4	0.14	0.25	*
11-20	31	44.6	0.983	58.583	0.226	0.0	0.0	0.0	0.0	1.7	8.1	24.9	0.11	0.25	*
21-31	33	37.1	2.350	20.018	0.212	0.0	0.0	0.0	0.0	9.9	18.0	31.7	0.18	0.24	*
Jun															
01-10	31	24.1	1.561	22.809	0.323	0.0	0.0	0.0	0.0	0.0	1.6	15.4	0.16	0.25	*
11-20	31	18.3	1.248	26.677	0.452	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.14	0.25	*
21-30	31	19.6	1.218	23.787	0.323	0.0	0.0	0.0	0.0	0.0	0.6	10.5	0.11	0.25	*
Jul															
01-10	31	14.8	1.106	21.854	0.387	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.09	0.25	*
11-20	32	8.7	1.028	16.897	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.24	*
21-31	32	11.9	1.058	22.520	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.24	*
Ago															
01-10	31	13.0	1.034	24.291	0.484	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.10	0.25	*
11-20	31	12.5	1.067	24.257	0.516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
21-31	31	25.1	0.898	51.040	0.452	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.21	0.25	*
Set															
01-10	31	37.7	0.873	63.774	0.323	0.0	0.0	0.0	0.0	0.0	0.3	14.7	0.23	0.25	*
11-20	31	23.4	0.973	29.864	0.194	0.0	0.0	0.0	0.2	2.0	5.2	13.6	0.06	0.25	*
21-30	31	31.1	1.544	22.328	0.097	0.0	0.0	0.7	7.7	10.4	14.6	24.3	0.10	0.25	*
Out															
01-10	30	41.6	1.192	38.792	0.100	0.0	0.0	0.0	7.2	10.5	16.0	29.5	0.09	0.25	*
11-20	32	50.1	1.819	30.409	0.094	0.0	0.0	2.7	14.9	19.3	26.0	41.0	0.08	0.24	*
21-31	32	53.1	1.504	36.440	0.031	3.3	5.5	8.3	16.4	20.3	26.7	41.7	0.12	0.24	*
Nov															
01-10	32	56.9	1.736	34.994	0.063	0.0	2.9	7.8	18.2	22.8	29.9	46.2	0.14	0.24	*
11-20	32	58.8	1.321	47.471	0.063	0.0	1.4	4.9	14.3	18.8	26.2	44.0	0.07	0.24	*
21-30	32	48.9	1.912	28.190	0.094	0.0	0.0	3.0	15.2	19.5	26.1	40.5	0.12	0.24	*
Dez															
01-10	32	58.7	1.525	39.736	0.031	3.8	6.2	9.4	18.4	22.7	29.8	46.3	0.09	0.24	*
11-20	32	73.1	1.744	44.722	0.063	0.0	3.8	10.0	23.5	29.3	38.5	59.4	0.08	0.24	*
21-31	32	78.2	1.683	47.971	0.031	6.2	9.8	14.3	26.7	32.5	41.8	63.2	0.07	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 93. Precipitação pluviométrica decendial esperada (mm) na estação Xavante (2153003), Município de Nova Andradina, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°58'55" S, 53°26'23" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	13	71.5	1.603	44.629	0.000			15.1	25.3	30.2	38.3	57.3	0.12	0.38	*
11-20	13	66.8	1.545	43.237	0.000			13.5	22.9	27.5	35.1	53.1	0.16	0.38	*
21-31	13	75.1	1.558	48.188	0.000			15.3	25.9	31.1	39.6	59.8	0.12	0.38	*
Fev															
01-10	13	56.7	1.250	45.359	0.000			8.6	16.1	20.0	26.5	42.5	0.11	0.38	*
11-20	13	42.4	1.624	28.297	0.077			3.9	12.1	15.6	21.1	33.7	0.16	0.38	*
21-28	13	57.2	1.413	40.483	0.000			10.3	18.2	22.2	28.7	44.4	0.16	0.38	*
Mar															
01-10	13	55.8	1.060	52.650	0.000			6.5	13.3	17.0	23.3	39.5	0.12	0.38	*
11-20	13	55.8	1.617	34.506	0.000			11.9	19.8	23.7	30.0	44.8	0.12	0.38	*
21-31	13	39.8	1.310	32.899	0.077			2.3	9.0	12.1	17.2	29.5	0.17	0.38	*
Abr															
01-10	14	28.3	1.444	21.070	0.071			2.3	7.3	9.6	13.2	21.7	0.12	0.37	*
11-20	14	43.3	1.677	25.826	0.000			9.6	15.8	18.8	23.7	35.1	0.12	0.37	*
21-30	14	18.0	0.805	24.071	0.071			0.3	2.0	3.1	5.1	10.7	0.12	0.37	*
Mai															
01-10	14	23.6	0.704	42.642	0.214			0.0	0.0	0.5	2.5	10.1	0.19	0.37	*
11-20	14	37.8	1.423	31.006	0.143			0.0	5.9	9.6	15.3	28.1	0.25	0.37	*
21-31	14	31.3	0.928	42.891	0.214			0.0	0.0	1.5	5.6	17.1	0.15	0.37	*
Jun															
01-10	14	22.1	0.817	42.069	0.357			0.0	0.0	0.0	0.0	6.7	0.19	0.37	*
11-20	14	17.7	0.879	35.301	0.429			0.0	0.0	0.0	0.0	3.3	0.13	0.37	*
21-30	13	16.9	1.858	10.750	0.154			0.0	3.4	5.4	8.1	13.7	0.10	0.38	*
Jul															
01-10	14	8.3	1.168	9.964	0.286			0.0	0.0	0.0	1.0	4.7	0.08	0.37	*
11-20	14	4.7	2.032	6.409	0.643			0.0	0.0	0.0	0.0	0.0	0.10	0.37	*
21-31	14	12.4	1.315	14.656	0.357			0.0	0.0	0.0	0.0	6.3	0.15	0.37	*
Ago															
01-10	13	10.3	1.189	14.140	0.385			0.0	0.0	0.0	0.0	4.3	0.20	0.38	*
11-20	13	21.4	0.624	55.787	0.385			0.0	0.0	0.0	0.0	3.3	0.19	0.38	*
21-31	13	19.9	0.758	37.953	0.308			0.0	0.0	0.0	0.4	7.0	0.17	0.38	*
Set															
01-10	13	28.6	1.385	26.857	0.231			0.0	0.0	2.3	8.0	19.6	0.18	0.38	*
11-20	13	22.6	2.192	14.906	0.308			0.0	0.0	0.0	5.2	17.7	0.18	0.38	*
21-30	13	24.2	1.316	21.739	0.154			0.0	2.9	5.2	8.9	17.3	0.15	0.38	*
Out															
01-10	13	32.3	0.772	41.795	0.000			2.0	5.0	6.9	10.3	19.8	0.23	0.38	*
11-20	13	43.1	1.724	24.978	0.000			9.9	16.1	19.0	23.9	35.1	0.11	0.38	*
21-31	12	43.4	2.374	21.963	0.167			0.0	10.1	16.1	23.5	37.6	0.20	0.40	*
Nov															
01-10	13	59.3	1.802	35.635	0.077			6.5	18.6	23.6	31.3	48.5	0.18	0.38	*
11-20	13	33.6	0.951	35.293	0.000			3.2	7.0	9.2	12.9	22.8	0.14	0.38	*
21-30	12	56.1	1.699	35.999	0.083			4.6	16.3	21.0	28.4	45.1	0.15	0.40	*
Dez															
01-10	12	45.3	2.042	26.621	0.167			0.0	8.8	14.7	22.4	37.7	0.22	0.40	*
11-20	12	50.6	1.689	29.933	0.000			11.3	18.6	22.1	27.7	41.0	0.15	0.40	*
21-31	12	54.4	2.536	23.405	0.083			8.7	21.9	26.5	33.4	47.9	0.15	0.40	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 94. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Pindorama (1951003), Município de Paranaíba, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°23'26" S, 51°36'31" W, 504 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	95.4	2.121	44.995	0.000		21.9	26.8	40.8	47.3	57.6	80.9	0.11	0.31	*
11-20	21	96.3	1.208	79.712	0.000	7.6	10.2	13.9	26.5	33.0	44.0	71.4	0.11	0.30	*
21-31	21	95.4	1.823	54.942	0.048	2.8	10.1	16.7	33.2	40.6	52.2	78.5	0.14	0.30	*
Fev															
01-10	22	89.3	1.706	52.353	0.000	12.8	15.9	20.2	33.1	39.2	49.2	72.6	0.18	0.29	*
11-20	22	64.0	1.804	39.053	0.091	0.0	0.0	4.2	19.1	24.7	33.2	52.3	0.17	0.29	*
21-28	22	55.4	1.020	54.370	0.000	3.0	4.2	6.1	12.7	16.3	22.5	38.7	0.18	0.29	*
Mar															
01-10	22	68.2	2.278	31.345	0.045	4.8	10.6	15.9	28.0	33.2	41.2	58.7	0.16	0.29	*
11-20	22	60.6	1.430	44.377	0.045	1.3	4.2	7.6	17.1	21.7	29.1	46.8	0.07	0.29	*
21-31	22	57.0	3.000	23.236	0.182	0.0	0.0	0.0	13.7	23.6	33.9	52.1	0.16	0.29	*
Abr															
01-10	22	32.2	1.123	35.075	0.182	0.0	0.0	0.0	1.3	4.3	9.1	20.8	0.13	0.29	*
11-20	22	27.4	1.418	23.618	0.182	0.0	0.0	0.0	2.0	5.3	9.8	19.8	0.10	0.29	*
21-30	22	11.1	0.880	18.478	0.318	0.0	0.0	0.0	0.0	0.0	0.2	4.4	0.10	0.29	*
Mai															
01-10	22	18.3	1.523	14.692	0.182	0.0	0.0	0.0	1.5	3.9	7.0	13.6	0.08	0.29	*
11-20	22	18.4	0.885	25.411	0.182	0.0	0.0	0.0	0.3	1.5	3.8	10.2	0.11	0.29	*
21-31	22	21.8	1.001	28.192	0.227	0.0	0.0	0.0	0.0	0.8	4.0	12.3	0.13	0.29	*
Jun															
01-10	22	10.3	0.737	30.682	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
11-20	22	3.8	1.054	19.895	0.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
21-30	22	6.9	3.353	5.629	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	*
Jul															
01-10	23	4.6	0.858	20.346	0.739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
11-20	23	6.3	0.849	24.237	0.696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
21-31	23	7.9	1.004	20.042	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
Ago															
01-10	22	2.6	1.222	7.720	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	22	2.7	1.552	6.466	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	22	14.1	1.145	27.167	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.29	*
Set															
01-10	21	18.5	1.292	25.035	0.429	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.16	0.30	*
11-20	21	23.9	1.247	25.172	0.238	0.0	0.0	0.0	0.0	1.0	5.6	15.3	0.17	0.30	*
21-30	21	26.4	1.231	28.158	0.238	0.0	0.0	0.0	0.0	1.1	6.1	16.7	0.11	0.30	*
Out															
01-10	21	13.6	1.032	14.531	0.095	0.0	0.0	0.1	1.9	2.9	4.6	9.0	0.14	0.30	*
11-20	21	31.6	1.331	27.675	0.143	0.0	0.0	0.0	4.4	7.4	12.0	22.8	0.11	0.30	*
21-31	21	52.2	1.280	42.860	0.048	0.4	2.6	5.2	13.0	16.9	23.3	38.9	0.09	0.30	*
Nov															
01-10	21	41.4	1.381	33.128	0.095	0.0	0.0	0.9	9.0	12.5	18.0	31.1	0.17	0.30	*
11-20	21	57.9	1.847	32.922	0.048	1.8	6.2	10.3	20.4	24.8	31.9	47.8	0.14	0.30	*
21-30	20	50.1	1.223	43.136	0.050		2.1	4.5	11.8	15.4	21.6	36.7	0.12	0.31	*
Dez															
01-10	21	87.1	2.796	32.699	0.048	7.0	17.0	24.4	40.3	46.8	56.6	77.6	0.11	0.30	*
11-20	21	76.5	3.962	19.299	0.000	25.9	29.2	33.2	43.8	48.3	55.3	70.1	0.10	0.30	*
21-31	21	89.1	1.859	47.909	0.000	14.4	17.6	22.0	35.0	41.1	51.0	73.7	0.09	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 95. Precipitação pluviométrica decendial esperada (mm) na estação Arvore Grande (1951004), Município de Paranaíba, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°13'45" S, 51°52'30" W, 466 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	97.7	2.542	38.454	0.000	22.8	26.7	31.9	46.2	52.7	62.8	85.3	0.08	0.29	*
11-20	22	79.6	1.903	41.846	0.000	13.3	16.2	20.2	31.8	37.3	46.0	66.2	0.07	0.29	*
21-31	23	108.3	1.483	72.980	0.000	12.5	15.9	20.8	35.9	43.4	55.7	85.1	0.14	0.29	*
Fev															
01-10	22	101.8	2.099	48.491	0.000	19.2	23.1	28.3	43.2	50.2	61.2	86.2	0.16	0.29	*
11-20	22	78.2	1.446	56.670	0.045	1.7	5.6	10.0	22.3	28.2	37.8	60.6	0.25	0.29	*
21-28	23	50.4	1.515	33.306	0.000	6.0	7.7	9.9	17.0	20.5	26.2	39.9	0.16	0.29	*
Mar															
01-10	21	89.7	1.090	82.322	0.000	5.7	7.8	11.0	22.1	28.1	38.3	64.3	0.08	0.30	*
11-20	21	59.4	1.840	33.923	0.048	1.8	6.4	10.5	20.9	25.4	32.7	49.0	0.09	0.30	*
21-31	21	55.4	1.292	42.851	0.000	5.0	6.6	8.8	16.3	20.1	26.4	41.9	0.09	0.30	*
Abr															
01-10	21	40.1	1.059	41.808	0.095	0.0	0.0	0.3	6.0	9.0	14.1	27.0	0.08	0.30	*
11-20	21	36.4	1.102	38.542	0.143	0.0	0.0	0.0	3.6	6.6	11.6	24.1	0.13	0.30	*
21-30	20	15.6	0.960	25.018	0.350		0.0	0.0	0.0	0.0	0.0	6.0	0.18	0.31	*
Mai															
01-10	21	23.7	1.654	20.028	0.286	0.0	0.0	0.0	0.0	0.0	5.2	16.6	0.16	0.30	*
11-20	21	17.3	1.043	31.744	0.476	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.14	0.30	*
21-31	22	25.6	1.758	22.840	0.364	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.20	0.29	*
Jun															
01-10	22	11.6	1.193	19.400	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
11-20	22	7.0	0.789	24.529	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
21-30	22	6.4	2.287	7.675	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
Jul															
01-10	21	2.4	1.753	7.188	0.810	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.30	*
11-20	21	6.5	1.242	18.311	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
21-31	22	8.4	1.237	18.750	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
Ago															
01-10	22	3.5	1.535	7.124	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
11-20	22	5.3	2.404	8.118	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
21-31	22	17.7	1.059	28.310	0.409	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.12	0.29	*
Set															
01-10	21	22.6	1.255	25.213	0.286	0.0	0.0	0.0	0.0	0.0	3.2	13.4	0.18	0.30	*
11-20	21	27.2	1.511	20.967	0.143	0.0	0.0	0.0	4.6	7.4	11.5	20.6	0.09	0.30	*
21-30	21	28.3	1.488	19.989	0.048	0.4	2.0	3.7	8.3	10.4	13.9	22.1	0.12	0.30	*
Out															
01-10	21	20.8	1.198	21.437	0.190	0.0	0.0	0.0	0.6	2.8	6.1	13.8	0.08	0.30	*
11-20	21	32.6	1.180	30.511	0.095	0.0	0.0	0.4	5.7	8.3	12.6	23.0	0.10	0.30	*
21-31	21	47.6	1.213	43.401	0.095	0.0	0.0	0.6	8.7	12.5	18.8	34.1	0.15	0.30	*
Nov															
01-10	21	54.7	1.347	42.643	0.048	0.6	3.1	6.0	14.4	18.5	25.3	41.4	0.12	0.30	*
11-20	21	68.7	1.497	48.141	0.048	1.1	4.9	9.0	20.1	25.4	33.8	53.7	0.11	0.30	*
21-30	21	55.2	1.960	32.873	0.143	0.0	0.0	0.0	13.2	19.3	27.9	45.6	0.23	0.30	*
Dez															
01-10	22	91.2	2.453	38.954	0.045	7.4	15.7	22.9	39.3	46.2	56.7	79.6	0.14	0.29	*
11-20	22	99.6	2.819	35.317	0.000	25.7	29.8	35.1	49.5	56.0	66.0	88.1	0.10	0.29	*
21-31	22	84.4	1.428	59.093	0.000	9.1	11.7	15.5	27.1	33.0	42.6	65.7	0.10	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 96. Precipitação pluviométrica decendial esperada (mm) na estação Porto São Domingos (2355002), Município de Paranhos, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°38'56" S, 55°23'29" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	35.4	2.270	16.375	0.048	1.8	5.3	8.1	14.5	17.2	21.3	30.5	0.12	0.30	*
11-20	21	46.1	1.408	34.418	0.048	0.6	2.9	5.5	12.7	16.2	21.9	35.4	0.11	0.30	*
21-31	21	61.4	1.327	46.273	0.000	5.8	7.6	10.2	18.5	22.7	29.7	46.9	0.11	0.30	*
Fev															
01-10	21	56.6	2.632	21.511	0.000	13.7	16.0	19.0	27.2	31.0	36.8	49.6	0.10	0.30	*
11-20	21	48.1	1.506	35.328	0.095	0.0	0.0	1.3	11.6	15.8	22.3	37.2	0.12	0.30	*
21-28	21	49.7	1.426	38.561	0.095	0.0	0.0	1.2	11.3	15.5	22.2	37.8	0.20	0.30	*
Mar															
01-10	21	32.7	1.161	31.102	0.095	0.0	0.0	0.4	5.6	8.2	12.4	22.9	0.10	0.30	*
11-20	21	44.4	1.823	26.903	0.095	0.0	0.0	2.1	13.1	17.0	23.0	36.3	0.12	0.30	*
21-31	21	51.3	0.767	70.187	0.048	0.0	0.5	1.5	6.1	9.0	14.5	30.2	0.18	0.30	*
Abr															
01-10	21	45.1	1.951	24.250	0.048	1.6	5.3	8.6	16.5	20.0	25.5	37.7	0.11	0.30	*
11-20	21	55.5	2.662	21.892	0.048	4.1	10.2	14.8	25.0	29.2	35.5	49.1	0.08	0.30	*
21-30	21	49.2	2.480	23.138	0.143	0.0	0.0	0.0	15.0	20.6	28.2	43.2	0.17	0.30	*
Mai															
01-10	22	46.7	2.162	29.681	0.273	0.0	0.0	0.0	0.0	0.0	16.0	37.5	0.21	0.29	*
11-20	22	54.3	2.385	27.851	0.182	0.0	0.0	0.0	9.8	18.7	28.6	47.0	0.16	0.29	*
21-31	22	53.4	0.766	76.778	0.091	0.0	0.0	0.2	4.5	7.5	13.3	30.2	0.12	0.29	*
Jun															
01-10	22	29.9	1.852	18.695	0.136	0.0	0.0	0.0	7.0	10.2	14.7	24.3	0.14	0.29	*
11-20	22	22.3	0.720	40.100	0.227	0.0	0.0	0.0	0.0	0.3	2.2	9.5	0.12	0.29	*
21-30	21	31.4	0.849	45.706	0.190	0.0	0.0	0.0	0.2	2.0	5.8	16.7	0.09	0.30	*
Jul															
01-10	20	20.5	0.770	29.608	0.100		0.0	0.0	1.6	2.7	5.0	11.5	0.09	0.31	*
11-20	20	11.1	0.904	20.441	0.400		0.0	0.0	0.0	0.0	0.0	2.9	0.09	0.31	*
21-31	20	11.7	1.550	10.026	0.250		0.0	0.0	0.0	0.0	3.3	8.3	0.08	0.31	*
Ago															
01-10	20	22.2	1.242	22.353	0.200		0.0	0.0	0.0	2.8	6.5	14.8	0.11	0.31	*
11-20	20	24.0	0.913	47.788	0.450		0.0	0.0	0.0	0.0	0.0	3.5	0.21	0.31	*
21-31	20	26.3	0.680	64.408	0.400		0.0	0.0	0.0	0.0	0.0	4.2	0.16	0.31	*
Set															
01-10	20	45.2	0.948	63.504	0.250		0.0	0.0	0.0	0.0	6.2	23.4	0.15	0.31	*
11-20	20	31.2	1.102	29.779	0.050		0.9	2.2	6.4	8.6	12.4	22.0	0.08	0.31	*
21-30	20	56.1	1.120	55.677	0.100		0.0	0.0	8.9	13.2	20.5	38.7	0.13	0.31	*
Out															
01-10	20	39.1	1.151	37.724	0.100		0.0	0.0	6.4	9.5	14.6	27.3	0.11	0.31	*
11-20	20	68.3	1.693	42.458	0.050		5.9	10.5	22.2	27.5	35.9	55.2	0.14	0.31	*
21-31	21	49.4	1.831	28.306	0.048	1.5	5.2	8.7	17.3	21.1	27.1	40.7	0.11	0.30	*
Nov															
01-10	21	69.3	2.296	31.696	0.048	3.7	10.5	16.0	28.5	33.8	41.9	59.8	0.07	0.30	*
11-20	21	61.3	1.583	45.200	0.143	0.0	0.0	0.0	11.2	17.5	26.8	47.4	0.17	0.30	*
21-30	21	63.4	2.095	33.442	0.095	0.0	0.0	4.1	21.2	26.9	35.4	53.7	0.11	0.30	*
Dez															
01-10	21	51.8	2.099	28.773	0.143	0.0	0.0	0.0	13.3	19.1	27.2	43.6	0.18	0.30	*
11-20	21	63.5	1.211	55.063	0.048	0.4	2.8	5.7	14.9	19.5	27.3	46.4	0.15	0.30	*
21-31	21	49.8	1.468	33.943	0.000	5.6	7.2	9.5	16.4	19.8	25.5	39.1	0.18	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 97. Precipitação pluviométrica decendial esperada (mm) na estação Pedro Severo (1754004), Município de Pedro Gomes, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 17°49'51" S, 54°18'47" W, 268 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	27	92.8	1.387	75.263	0.111	0.0	0.0	0.0	18.4	26.5	39.4	69.3	0.22	0.26	*
11-20	27	83.3	0.966	93.142	0.074	0.0	0.0	2.3	12.4	18.1	28.2	54.5	0.11	0.26	*
21-31	27	91.9	3.269	30.354	0.074	0.0	0.0	23.4	44.0	51.4	62.1	84.2	0.14	0.26	*
Fev															
01-10	25	96.2	6.443	16.221	0.080	0.0	0.0	38.8	60.8	67.5	76.9	94.9	0.10	0.27	*
11-20	27	82.0	2.212	40.031	0.074	0.0	0.0	13.2	30.7	37.6	47.9	70.3	0.13	0.26	*
21-28	27	71.4	1.986	38.849	0.074	0.0	0.0	9.8	24.6	30.6	39.7	59.8	0.18	0.26	*
Mar															
01-10	27	71.1	2.741	28.015	0.074	0.0	0.0	15.0	30.8	36.6	45.3	63.4	0.13	0.26	*
11-20	27	73.2	1.806	42.108	0.037	5.4	9.4	13.9	26.0	31.5	40.3	60.2	0.09	0.26	*
21-31	27	69.9	1.529	49.397	0.074	0.0	0.0	6.1	19.0	24.7	33.7	54.7	0.14	0.26	*
Abr															
01-10	27	43.2	1.114	41.885	0.074	0.0	0.0	1.8	8.0	11.2	16.6	30.2	0.12	0.26	*
11-20	27	37.8	0.965	44.068	0.111	0.0	0.0	0.0	4.2	6.9	11.6	24.0	0.12	0.26	*
21-30	26	21.6	0.802	36.770	0.269	0.0	0.0	0.0	0.0	0.0	1.6	9.2	0.14	0.27	*
Mai															
01-10	25	27.9	0.512	80.018	0.320	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.07	0.27	*
11-20	25	14.8	0.712	34.572	0.400	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.15	0.27	*
21-31	25	25.4	2.224	15.021	0.240	0.0	0.0	0.0	0.0	3.5	10.8	21.1	0.09	0.27	*
Jun															
01-10	27	7.9	0.445	34.015	0.481	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.26	*
11-20	27	11.1	0.570	35.083	0.444	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.10	0.26	*
21-30	27	7.9	0.669	26.532	0.556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.26	*
Jul															
01-10	27	7.7	0.516	31.172	0.519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.26	*
11-20	28	3.8	0.690	14.180	0.607	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.26	*
21-31	28	6.4	0.522	31.399	0.607	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.26	*
Ago															
01-10	28	4.5	0.588	23.864	0.679	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.26	*
11-20	28	3.1	0.967	15.037	0.786	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.26	*
21-31	28	9.1	0.897	18.951	0.464	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.07	0.26	*
Set															
01-10	26	23.4	1.187	36.582	0.462	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.21	0.27	*
11-20	25	15.2	0.723	32.918	0.360	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.09	0.27	*
21-30	25	33.2	0.727	51.791	0.120	0.0	0.0	0.0	1.7	3.4	6.9	17.4	0.11	0.27	*
Out															
01-10	25	33.2	1.406	28.106	0.160	0.0	0.0	0.0	4.0	7.5	12.7	24.3	0.07	0.27	*
11-20	26	38.3	1.323	34.178	0.154	0.0	0.0	0.0	4.6	8.3	14.1	27.4	0.09	0.27	*
21-31	27	59.4	1.710	37.481	0.074	0.0	0.0	6.4	18.0	22.9	30.5	47.9	0.12	0.26	*
Nov															
01-10	28	66.7	1.381	54.101	0.107	0.0	0.0	0.0	13.5	19.3	28.4	49.9	0.09	0.26	*
11-20	28	68.9	0.723	102.625	0.071	0.0	0.0	0.7	6.1	9.8	17.0	38.2	0.14	0.26	*
21-30	28	60.6	0.898	78.799	0.143	0.0	0.0	0.0	3.8	7.8	15.3	35.7	0.14	0.26	*
Dez															
01-10	27	56.4	1.893	34.965	0.148	0.0	0.0	0.0	12.3	18.7	27.6	46.0	0.17	0.26	*
11-20	28	64.0	0.965	71.432	0.071	0.0	0.0	1.9	9.7	14.1	21.7	41.9	0.18	0.26	*
21-31	28	67.0	2.047	35.259	0.071	0.0	0.0	10.1	23.9	29.4	37.9	56.5	0.08	0.26	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 98. Precipitação pluviométrica decendial esperada (mm) na estação Pedro Gomes (1854001), Município de Pedro Gomes, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°06'59" S, 54°33'37" W, 284 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	29	86.3	2.976	29.011	0.000	23.4	27.0	31.5	44.0	49.6	58.1	76.9	0.08	0.25	*
11-20	29	84.5	1.734	48.771	0.000	12.4	15.4	19.5	31.7	37.5	46.9	69.0	0.10	0.25	*
21-31	29	89.3	3.540	25.226	0.000	27.9	31.6	36.4	49.0	54.5	62.9	81.0	0.12	0.25	*
Fev															
01-10	27	81.1	1.583	51.233	0.000	10.4	13.1	16.9	28.4	34.0	43.2	64.8	0.09	0.26	*
11-20	27	72.4	2.079	36.172	0.037	7.0	11.4	16.3	28.5	33.9	42.4	61.3	0.06	0.26	*
21-28	27	56.3	1.666	33.766	0.000	7.8	9.7	12.4	20.5	24.4	30.7	45.5	0.10	0.26	*
Mar															
01-10	27	76.9	1.288	59.699	0.000	6.9	9.1	12.2	22.5	27.8	36.6	58.2	0.10	0.26	*
11-20	27	67.0	1.528	45.536	0.037	3.4	6.5	10.2	20.7	25.7	33.8	52.8	0.09	0.26	*
21-31	27	46.7	1.363	35.547	0.037	1.8	3.6	5.9	12.9	16.4	22.0	35.6	0.06	0.26	*
Abr															
01-10	27	34.1	1.374	26.786	0.074	0.0	0.0	2.4	8.2	10.9	15.3	25.7	0.06	0.26	*
11-20	27	35.3	1.019	37.419	0.074	0.0	0.0	1.1	5.7	8.2	12.5	23.7	0.10	0.26	*
21-30	27	18.0	0.759	29.085	0.185	0.0	0.0	0.0	0.1	0.9	2.8	8.8	0.08	0.26	*
Mai															
01-10	27	20.5	0.859	37.937	0.370	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.15	0.26	*
11-20	27	13.5	1.774	12.826	0.407	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.14	0.26	*
21-31	27	33.7	1.173	36.958	0.222	0.0	0.0	0.0	0.0	2.4	8.1	21.2	0.16	0.26	*
Jun															
01-10	29	9.9	0.594	30.259	0.448	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.08	0.25	*
11-20	29	6.9	0.725	25.236	0.621	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.25	*
21-30	29	5.7	0.895	12.241	0.483	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.07	0.25	*
Jul															
01-10	29	4.4	0.588	24.342	0.690	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.25	*
11-20	29	2.7	1.297	7.449	0.724	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.25	*
21-31	30	10.8	0.959	33.669	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.25	*
Ago															
01-10	30	11.4	0.637	44.638	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.25	*
11-20	30	4.9	0.560	29.265	0.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	*
21-31	30	7.8	0.769	19.096	0.467	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.10	0.25	*
Set															
01-10	29	17.8	0.728	39.417	0.379	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.14	0.25	*
11-20	29	17.6	1.176	21.734	0.310	0.0	0.0	0.0	0.0	0.0	1.2	9.5	0.15	0.25	*
21-30	29	34.2	0.986	40.260	0.138	0.0	0.0	0.0	2.9	5.4	9.8	21.4	0.13	0.25	*
Out															
01-10	29	33.7	1.243	27.073	0.000	2.8	3.7	5.1	9.5	11.8	15.7	25.2	0.13	0.25	*
11-20	30	42.6	1.322	34.513	0.067	0.0	0.6	3.3	10.2	13.5	18.9	31.8	0.06	0.25	*
21-31	30	47.3	1.619	29.197	0.000	6.3	7.9	10.1	16.8	20.1	25.4	38.0	0.12	0.25	*
Nov															
01-10	29	63.3	1.639	38.607	0.000	8.5	10.7	13.7	22.7	27.1	34.2	51.0	0.11	0.25	*
11-20	30	65.5	1.627	40.285	0.000	8.7	11.0	14.1	23.4	28.0	35.3	52.7	0.08	0.25	*
21-30	30	74.3	1.443	51.493	0.000	8.2	10.5	13.8	24.1	29.2	37.7	58.0	0.07	0.25	*
Dez															
01-10	29	66.0	1.753	38.995	0.034	5.1	8.4	12.4	23.1	28.0	35.8	53.9	0.08	0.25	*
11-20	29	72.4	1.281	56.489	0.000	6.4	8.5	11.4	21.1	26.0	34.3	54.7	0.11	0.25	*
21-31	29	105.3	1.615	65.237	0.000	13.9	17.5	22.4	37.4	44.7	56.6	84.6	0.09	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 99. Precipitação pluviométrica decendial esperada (mm) na estação Ponta Porã (2255001), Município de Ponta Porã, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 22°31'60" S, 55°42'00" W, 658 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	24	51.2	1.675	30.571	0.000	7.1	8.9	11.4	18.7	22.2	28.0	41.5	0.10	0.28	*
11-20	24	53.6	2.281	24.538	0.042	5.0	8.9	12.9	22.2	26.3	32.5	46.2	0.07	0.28	*
21-31	24	60.1	2.654	23.616	0.042	7.2	12.1	16.7	27.3	31.7	38.5	53.1	0.08	0.28	*
Fev															
01-10	24	61.1	1.284	47.585	0.000	5.4	7.2	9.7	17.8	22.0	29.0	46.2	0.07	0.28	*
11-20	24	59.7	1.632	36.583	0.000	8.0	10.0	12.9	21.4	25.5	32.2	48.1	0.09	0.28	*
21-28	24	42.9	1.392	30.842	0.000	4.4	5.7	7.6	13.5	16.5	21.4	33.2	0.07	0.28	*
Mar															
01-10	24	53.4	1.781	31.278	0.042	3.0	6.1	9.6	18.5	22.6	29.0	43.7	0.13	0.28	*
11-20	24	52.8	1.070	51.478	0.042	0.6	2.0	4.0	10.9	14.5	20.8	36.9	0.08	0.28	*
21-31	24	44.4	0.845	57.267	0.083	0.0	0.0	0.5	4.9	7.6	12.7	26.8	0.14	0.28	*
Abr															
01-10	24	51.3	1.270	42.109	0.042	1.1	3.0	5.5	13.0	16.7	22.9	38.1	0.11	0.28	*
11-20	24	30.4	1.111	29.871	0.083	0.0	0.0	0.9	5.3	7.6	11.4	21.1	0.10	0.28	*
21-30	24	36.0	1.445	31.426	0.208	0.0	0.0	0.0	0.0	5.2	11.9	25.7	0.18	0.28	*
Mai															
01-10	24	32.8	3.314	13.186	0.250	0.0	0.0	0.0	0.0	0.0	17.6	30.5	0.19	0.28	*
11-20	24	47.8	0.856	55.805	0.000	1.6	2.4	3.7	8.7	11.6	16.8	31.0	0.07	0.28	*
21-31	24	31.8	0.843	47.678	0.208	0.0	0.0	0.0	0.0	1.4	5.1	16.3	0.08	0.28	*
Jun															
01-10	25	29.0	0.733	52.049	0.240	0.0	0.0	0.0	0.0	0.1	2.6	12.2	0.09	0.27	*
11-20	25	30.8	0.814	47.351	0.200	0.0	0.0	0.0	0.0	1.5	5.0	15.6	0.19	0.27	*
21-30	25	23.2	0.745	38.966	0.200	0.0	0.0	0.0	0.0	0.9	3.2	10.9	0.11	0.27	*
Jul															
01-10	25	13.0	1.069	16.894	0.280	0.0	0.0	0.0	0.0	0.0	1.5	7.0	0.09	0.27	*
11-20	25	21.2	1.308	22.539	0.280	0.0	0.0	0.0	0.0	0.0	3.5	13.1	0.08	0.27	*
21-31	25	22.1	0.704	41.387	0.240	0.0	0.0	0.0	0.0	0.1	1.8	8.9	0.10	0.27	*
Ago															
01-10	25	16.5	1.263	18.149	0.280	0.0	0.0	0.0	0.0	0.0	2.6	10.0	0.14	0.27	*
11-20	25	22.8	1.005	26.947	0.160	0.0	0.0	0.0	1.3	3.1	6.2	14.1	0.09	0.27	*
21-31	25	18.0	0.594	39.792	0.240	0.0	0.0	0.0	0.0	0.0	0.9	5.9	0.07	0.27	*
Set															
01-10	24	32.1	0.667	52.471	0.083	0.0	0.0	0.1	2.1	3.6	6.8	16.6	0.07	0.28	*
11-20	24	38.3	0.716	58.290	0.083	0.0	0.0	0.2	3.0	5.0	8.9	20.8	0.18	0.28	*
21-30	24	39.2	1.383	29.600	0.042	1.1	2.8	4.9	10.9	13.8	18.6	30.0	0.10	0.28	*
Out															
01-10	24	41.5	0.884	48.984	0.042	0.2	0.9	2.0	6.5	9.1	13.9	26.6	0.12	0.28	*
11-20	24	54.4	1.127	48.259	0.000	3.7	5.0	7.0	13.9	17.5	23.7	39.4	0.11	0.28	*
21-31	24	66.1	1.413	46.799	0.000	7.0	9.0	11.9	21.1	25.6	33.2	51.3	0.08	0.28	*
Nov															
01-10	23	41.8	1.172	35.683	0.000	3.1	4.2	5.8	11.2	14.0	18.8	30.7	0.09	0.29	*
11-20	23	78.2	1.062	73.631	0.000	4.6	6.4	9.2	18.7	23.9	32.7	55.5	0.08	0.29	*
21-30	23	53.6	1.258	44.511	0.043	0.9	2.9	5.5	13.3	17.2	23.8	39.7	0.10	0.29	*
Dez															
01-10	24	59.0	2.459	25.029	0.042	6.2	10.8	15.2	25.6	30.0	36.8	51.5	0.08	0.28	*
11-20	24	59.9	1.040	60.090	0.042	0.6	2.1	4.3	11.9	16.0	23.1	41.3	0.19	0.28	*
21-31	24	54.8	1.462	37.497	0.000	6.2	7.9	10.3	18.0	21.8	28.0	43.0	0.08	0.28	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 100. Precipitação pluviométrica decendial esperada (mm) na estação Santa Rosa (2056007), Município de Porto Murtinho, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°55'36" S, 56°59'02" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	13	81.4	2.036	57.727	0.308			0.0	0.0	0.0	16.8	61.5	0.25	0.38	*
11-20	13	64.8	1.924	33.655	0.000			16.6	26.0	30.5	37.6	54.0	0.13	0.38	*
21-31	13	65.8	1.878	35.023	0.000			16.5	26.0	30.6	37.8	54.5	0.16	0.38	*
Fev															
01-10	14	40.2	1.594	25.205	0.000			8.4	14.1	16.9	21.4	32.2	0.13	0.37	*
11-20	14	66.6	1.265	56.664	0.071			4.1	14.8	19.9	28.4	48.9	0.20	0.37	*
21-28	14	32.4	2.199	15.890	0.071			5.4	12.2	14.9	18.9	27.8	0.12	0.37	*
Mar															
01-10	14	43.8	1.589	29.672	0.071			4.4	12.5	16.0	21.7	34.6	0.26	0.37	*
11-20	14	50.0	0.920	58.479	0.071			1.3	7.0	10.3	16.2	32.0	0.14	0.37	*
21-31	14	31.1	1.083	44.580	0.357			0.0	0.0	0.0	0.0	13.2	0.22	0.37	*
Abr															
01-10	14	37.3	1.822	31.803	0.357			0.0	0.0	0.0	0.0	24.3	0.26	0.37	*
11-20	14	63.4	3.203	23.109	0.143			0.0	23.9	31.3	40.7	58.6	0.19	0.37	*
21-30	14	39.2	2.004	27.372	0.286			0.0	0.0	0.0	11.0	30.1	0.21	0.37	*
Mai															
01-10	14	22.6	1.642	24.080	0.429			0.0	0.0	0.0	0.0	10.0	0.28	0.37	*
11-20	14	34.8	3.838	18.136	0.500			0.0	0.0	0.0	0.0	0.0	0.29	0.37	*
21-31	13	46.2	1.515	44.048	0.308			0.0	0.0	0.0	5.8	29.7	0.25	0.38	*
Jun															
01-10	12	12.4	2.301	10.736	0.500			0.0	0.0	0.0	0.0	0.0	0.22	0.40	*
11-20	13	17.5	1.181	27.500	0.462			0.0	0.0	0.0	0.0	3.3	0.22	0.38	*
21-30	13	9.2	2.638	6.467	0.462			0.0	0.0	0.0	0.0	4.9	0.16	0.38	*
Jul															
01-10	15	8.8	1.458	10.088	0.400		0.0	0.0	0.0	0.0	0.0	4.1	0.09	0.35	*
11-20	15	8.5	0.706	25.753	0.533		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.35	*
21-31	15	11.0	0.581	40.491	0.533		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.35	*
Ago															
01-10	15	21.0	0.896	58.680	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.35	*
11-20	15	2.4	0.635	19.224	0.800		0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.35	*
21-31	15	8.9	0.945	20.158	0.533		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.35	*
Set															
01-10	15	37.9	0.660	85.991	0.333		0.0	0.0	0.0	0.0	0.0	9.6	0.16	0.35	*
11-20	15	8.4	4.841	2.894	0.400		0.0	0.0	0.0	0.0	0.0	8.0	0.06	0.35	*
21-30	14	39.0	1.312	37.874	0.214			0.0	0.0	4.3	11.3	26.4	0.15	0.37	*
Out															
01-10	14	34.4	1.206	44.384	0.357			0.0	0.0	0.0	0.0	16.3	0.19	0.37	*
11-20	15	43.0	1.220	37.804	0.067		0.4	2.8	9.3	12.6	18.0	31.3	0.15	0.35	*
21-31	14	71.9	1.701	42.282	0.000			16.2	26.6	31.5	39.6	58.4	0.12	0.37	*
Nov															
01-10	14	57.8	2.613	23.819	0.071			12.0	24.5	29.2	36.2	51.1	0.13	0.37	*
11-20	14	53.6	1.149	59.302	0.214			0.0	0.0	4.4	13.2	33.7	0.20	0.37	*
21-30	14	52.5	1.985	30.826	0.143			0.0	12.7	18.5	26.6	43.5	0.21	0.37	*
Dez															
01-10	12	96.2	1.579	66.465	0.083			6.8	25.9	34.0	46.7	75.7	0.18	0.40	*
11-20	12	48.3	1.389	34.744	0.000			8.5	15.1	18.5	24.0	37.3	0.18	0.40	*
21-31	13	63.8	1.490	50.611	0.154			0.0	9.3	16.1	26.0	47.9	0.21	0.38	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 101. Precipitação pluviométrica decendial esperada (mm) na estação Santa Otília (2157003), Município de Porto Murtinho, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°11'24" S, 57°02'18" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	23	82.2	1.063	88.981	0.130	0.0	0.0	0.0	8.9	15.3	26.3	54.0	0.11	0.29 *
11-20	23	54.2	1.833	29.553	0.000	8.6	10.6	13.2	21.1	24.8	30.8	44.7	0.07	0.29 *
21-31	22	50.3	1.051	47.845	0.000	2.9	4.1	5.8	11.9	15.2	20.9	35.5	0.17	0.29 *
Fev														
01-10	23	40.2	2.049	19.614	0.000	7.4	8.9	10.9	16.8	19.6	23.9	33.9	0.12	0.29 *
11-20	23	65.2	1.570	43.406	0.043	2.3	5.8	9.7	20.2	25.2	33.1	51.7	0.10	0.29 *
21-28	23	33.0	1.684	20.511	0.043	1.4	3.3	5.4	10.9	13.4	17.4	26.7	0.11	0.29 *
Mar														
01-10	24	35.2	1.309	30.716	0.125	0.0	0.0	0.0	5.8	8.9	13.8	25.5	0.10	0.28 *
11-20	24	36.9	2.050	18.783	0.042	2.8	5.3	7.9	14.2	17.0	21.4	31.1	0.10	0.28 *
21-31	24	50.8	1.138	46.617	0.042	0.8	2.3	4.4	11.3	14.9	21.0	36.4	0.08	0.28 *
Abr														
01-10	24	33.6	1.301	31.028	0.167	0.0	0.0	0.0	3.1	6.5	11.7	23.7	0.08	0.28 *
11-20	24	36.3	1.432	32.052	0.208	0.0	0.0	0.0	0.0	5.2	11.9	25.8	0.12	0.28 *
21-30	24	27.7	1.024	36.093	0.250	0.0	0.0	0.0	0.0	0.0	4.4	15.3	0.11	0.28 *
Mai														
01-10	23	32.8	0.806	55.038	0.261	0.0	0.0	0.0	0.0	0.0	2.7	14.3	0.14	0.29 *
11-20	23	33.2	1.234	41.233	0.348	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.23	0.29 *
21-31	23	41.6	1.434	37.057	0.217	0.0	0.0	0.0	0.0	5.1	13.1	29.3	0.20	0.29 *
Jun														
01-10	23	23.7	0.741	61.330	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.20	0.29 *
11-20	23	17.0	1.318	17.428	0.261	0.0	0.0	0.0	0.0	0.0	3.6	10.9	0.11	0.29 *
21-30	23	11.0	1.205	15.039	0.391	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.08	0.29 *
Jul														
01-10	24	14.4	0.667	37.069	0.417	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.08	0.28 *
11-20	23	10.4	1.048	16.321	0.391	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.08	0.29 *
21-31	23	10.6	2.018	12.055	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.29 *
Ago														
01-10	23	19.9	0.714	53.393	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.17	0.29 *
11-20	24	19.2	0.523	67.647	0.458	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.15	0.28 *
21-31	24	20.3	0.863	43.443	0.458	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.21	0.28 *
Set														
01-10	23	27.1	0.663	67.117	0.391	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.12	0.29 *
11-20	22	26.1	0.597	60.008	0.273	0.0	0.0	0.0	0.0	0.0	0.7	7.7	0.16	0.29 *
21-30	22	39.1	1.088	37.640	0.045	0.3	1.4	2.9	8.1	10.8	15.5	27.4	0.17	0.29 *
Out														
01-10	23	37.2	1.251	37.957	0.217	0.0	0.0	0.0	0.0	3.4	10.0	24.4	0.17	0.29 *
11-20	23	42.2	1.144	40.415	0.087	0.0	0.0	1.1	7.5	10.7	16.2	29.6	0.22	0.29 *
21-31	23	52.5	1.519	39.763	0.130	0.0	0.0	0.0	10.1	15.2	22.9	40.2	0.15	0.29 *
Nov														
01-10	23	60.6	1.758	37.718	0.087	0.0	0.0	4.6	17.9	23.1	31.1	49.1	0.10	0.29 *
11-20	23	56.5	2.822	23.037	0.130	0.0	0.0	0.0	20.7	26.7	34.9	51.0	0.12	0.29 *
21-30	23	62.5	1.281	51.003	0.043	1.2	3.6	6.6	15.9	20.5	28.1	46.6	0.12	0.29 *
Dez														
01-10	23	60.4	2.139	29.533	0.043	4.4	8.9	13.3	23.9	28.5	35.6	51.5	0.13	0.29 *
11-20	23	47.2	1.626	30.362	0.043	1.8	4.5	7.4	15.1	18.7	24.5	37.8	0.10	0.29 *
21-31	23	63.1	1.517	47.804	0.130	0.0	0.0	0.0	12.2	18.2	27.5	48.2	0.17	0.29 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 102. Precipitação pluviométrica decendial esperada (mm) na estação Porto Murtinho (2157004), Município de Porto Murtinho, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°41'37" S, 57°53'07" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	25	62.5	1.016	66.891	0.080	0.0	0.0	1.6	9.7	14.2	21.9	41.7	0.09	0.27	*
11-20	25	47.5	1.164	51.008	0.200	0.0	0.0	0.0	0.0	5.3	12.8	30.6	0.10	0.27	*
21-31	25	44.0	0.735	68.130	0.120	0.0	0.0	0.0	2.4	4.7	9.3	23.3	0.08	0.27	*
Fev															
01-10	25	33.2	1.159	32.554	0.120	0.0	0.0	0.0	4.7	7.4	11.9	22.9	0.11	0.27	*
11-20	25	37.8	1.680	25.588	0.120	0.0	0.0	0.0	9.0	12.6	18.0	30.1	0.10	0.27	*
21-28	25	41.9	1.548	32.201	0.160	0.0	0.0	0.0	5.9	10.6	17.3	31.8	0.13	0.27	*
Mar															
01-10	26	33.2	1.258	31.205	0.154	0.0	0.0	0.0	3.6	6.7	11.7	23.2	0.11	0.27	*
11-20	26	34.8	1.406	27.946	0.115	0.0	0.0	0.0	6.8	9.9	14.8	26.1	0.08	0.27	*
21-31	26	57.0	1.537	41.904	0.115	0.0	0.0	0.0	12.5	17.7	25.8	44.0	0.07	0.27	*
Abr															
01-10	26	27.1	0.925	38.036	0.231	0.0	0.0	0.0	0.0	0.7	4.3	14.3	0.15	0.27	*
11-20	26	38.5	1.769	25.740	0.154	0.0	0.0	0.0	7.3	11.7	17.8	30.8	0.11	0.27	*
21-30	25	38.6	1.105	43.637	0.200	0.0	0.0	0.0	0.0	3.9	9.8	24.1	0.11	0.27	*
Mai															
01-10	25	26.1	0.890	40.786	0.280	0.0	0.0	0.0	0.0	0.0	2.0	11.9	0.15	0.27	*
11-20	25	27.9	0.880	44.014	0.280	0.0	0.0	0.0	0.0	0.0	2.1	12.6	0.13	0.27	*
21-31	25	22.3	1.148	28.555	0.320	0.0	0.0	0.0	0.0	0.0	0.8	11.4	0.13	0.27	*
Jun															
01-10	24	16.3	1.339	19.502	0.375	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.14	0.28	*
11-20	24	15.5	1.140	20.342	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.15	0.28	*
21-30	24	13.5	1.047	19.275	0.333	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.09	0.28	*
Jul															
01-10	24	8.4	0.937	15.335	0.417	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.09	0.28	*
11-20	25	13.9	0.603	36.043	0.360	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.08	0.27	*
21-31	25	13.7	0.503	52.323	0.480	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.08	0.27	*
Ago															
01-10	26	20.8	0.531	84.873	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	*
11-20	25	10.9	1.623	15.231	0.560	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	*
21-31	25	12.0	0.882	21.260	0.360	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.12	0.27	*
Set															
01-10	25	10.8	1.522	13.609	0.480	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.19	0.27	*
11-20	25	11.9	0.769	21.570	0.280	0.0	0.0	0.0	0.0	0.0	0.6	4.7	0.08	0.27	*
21-30	25	18.6	0.875	24.190	0.120	0.0	0.0	0.0	1.5	2.7	5.0	11.1	0.07	0.27	*
Out															
01-10	25	26.0	1.008	29.249	0.120	0.0	0.0	0.0	2.9	4.8	8.1	16.7	0.09	0.27	*
11-20	25	32.0	1.674	25.191	0.240	0.0	0.0	0.0	0.0	2.5	10.5	23.8	0.19	0.27	*
21-31	25	52.9	3.376	17.018	0.080	0.0	0.0	12.7	25.5	29.8	36.0	48.7	0.10	0.27	*
Nov															
01-10	25	39.1	1.725	25.764	0.120	0.0	0.0	0.0	9.6	13.3	19.0	31.3	0.08	0.27	*
11-20	25	40.3	1.603	29.966	0.160	0.0	0.0	0.0	6.1	10.6	17.1	31.1	0.09	0.27	*
21-30	25	43.3	1.601	30.731	0.120	0.0	0.0	0.0	9.7	13.8	20.0	33.9	0.10	0.27	*
Dez															
01-10	25	57.3	2.204	28.278	0.080	0.0	0.0	8.1	21.1	25.9	33.3	49.1	0.08	0.27	*
11-20	25	42.4	1.422	33.906	0.120	0.0	0.0	0.0	8.1	12.0	18.0	31.8	0.07	0.27	*
21-31	25	58.5	1.664	43.982	0.200	0.0	0.0	0.0	0.0	11.7	22.8	44.7	0.14	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 103. Precipitação pluviométrica decendial esperada (mm) na estação Marabá (2157005), Município de Porto Murtinho, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°41'18" S, 57°21'28" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	75.0	1.384	54.177	0.000	7.7	9.9	13.2	23.5	28.6	37.2	57.9	0.10	0.29	*
11-20	23	49.5	1.764	32.261	0.130	0.0	0.0	0.0	11.5	16.5	23.9	39.8	0.11	0.29	*
21-31	23	39.5	0.962	45.006	0.087	0.0	0.0	0.5	5.4	8.1	12.9	25.6	0.08	0.29	*
Fev															
01-10	23	41.0	1.872	22.888	0.043	2.2	4.9	7.7	14.7	17.9	22.8	33.9	0.07	0.29	*
11-20	23	61.2	2.130	30.053	0.043	4.4	9.0	13.4	24.2	28.8	36.0	52.1	0.09	0.29	*
21-28	23	35.1	1.406	26.082	0.043	0.9	2.5	4.4	9.8	12.4	16.7	27.0	0.09	0.29	*
Mar															
01-10	23	43.7	0.952	52.834	0.130	0.0	0.0	0.0	3.8	6.9	12.4	27.1	0.13	0.29	*
11-20	23	51.9	1.190	50.177	0.130	0.0	0.0	0.0	6.9	11.3	18.5	36.0	0.12	0.29	*
21-31	23	51.8	1.396	44.931	0.174	0.0	0.0	0.0	4.6	10.4	18.8	37.4	0.16	0.29	*
Abr															
01-10	23	40.3	1.483	32.875	0.174	0.0	0.0	0.0	4.0	8.8	15.4	29.8	0.10	0.29	*
11-20	23	42.1	0.907	56.226	0.174	0.0	0.0	0.0	1.2	4.0	9.4	24.0	0.14	0.29	*
21-30	23	26.4	1.095	29.167	0.174	0.0	0.0	0.0	1.3	3.6	7.5	16.9	0.10	0.29	*
Mai															
01-10	22	31.9	0.889	52.681	0.318	0.0	0.0	0.0	0.0	0.0	0.5	12.9	0.17	0.29	*
11-20	22	46.3	1.031	61.684	0.273	0.0	0.0	0.0	0.0	0.0	5.6	24.4	0.21	0.29	*
21-31	22	27.7	0.848	42.330	0.227	0.0	0.0	0.0	0.0	0.6	3.9	13.8	0.17	0.29	*
Jun															
01-10	23	23.6	1.129	28.215	0.261	0.0	0.0	0.0	0.0	0.0	3.9	13.6	0.15	0.29	*
11-20	23	15.4	1.055	22.446	0.348	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.11	0.29	*
21-30	23	8.4	0.887	13.635	0.304	0.0	0.0	0.0	0.0	0.0	0.3	3.6	0.10	0.29	*
Jul															
01-10	23	10.3	0.740	20.035	0.304	0.0	0.0	0.0	0.0	0.0	0.2	3.5	0.13	0.29	*
11-20	23	8.9	1.470	11.597	0.478	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.19	0.29	*
21-31	23	8.1	0.975	15.869	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.11	0.29	*
Ago															
01-10	22	20.7	0.701	65.005	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	*
11-20	22	14.5	0.983	29.608	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
21-31	22	5.3	1.079	10.781	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
Set															
01-10	22	14.5	0.684	39.014	0.455	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.21	0.29	*
11-20	22	23.3	1.071	28.159	0.227	0.0	0.0	0.0	0.0	1.1	4.8	13.8	0.12	0.29	*
21-30	22	24.6	2.275	13.233	0.182	0.0	0.0	0.0	4.2	8.1	12.6	21.0	0.13	0.29	*
Out															
01-10	20	39.5	1.016	48.533	0.200		0.0	0.0	0.0	3.3	8.9	23.4	0.11	0.31	*
11-20	20	42.1	0.825	60.092	0.150		0.0	0.0	1.8	4.3	9.2	23.3	0.12	0.31	*
21-31	20	57.0	2.179	27.550	0.050		7.6	12.2	22.5	26.9	33.7	48.7	0.09	0.31	*
Nov															
01-10	22	56.4	2.959	22.071	0.136	0.0	0.0	0.0	20.8	27.0	35.3	51.3	0.13	0.29	*
11-20	22	39.9	1.391	33.201	0.136	0.0	0.0	0.0	6.4	10.2	16.0	29.4	0.08	0.29	*
21-30	22	56.7	2.156	27.563	0.045	3.6	8.2	12.4	22.5	26.8	33.5	48.4	0.07	0.29	*
Dez															
01-10	22	70.4	1.796	41.031	0.045	2.9	7.6	12.3	24.4	29.7	38.3	57.7	0.11	0.29	*
11-20	22	51.9	1.290	44.296	0.091	0.0	0.0	1.4	10.6	14.8	21.7	38.1	0.09	0.29	*
21-31	22	58.4	1.783	42.360	0.227	0.0	0.0	0.0	0.0	8.3	21.7	44.9	0.19	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 104. Precipitação pluviométrica decendial esperada (mm) na estação Vista Alegre (1953001), Município de Ribas do Rio Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°46'41" S, 53°58'18" W, 480 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	67.5	1.832	40.533	0.091	0.0	0.0	4.6	20.4	26.3	35.4	55.4	0.12	0.29	*
11-20	22	72.0	2.554	29.524	0.045	6.3	13.0	18.8	31.8	37.2	45.4	63.3	0.08	0.29	*
21-31	22	88.2	2.151	40.998	0.000	17.1	20.5	25.1	38.0	44.0	53.5	75.0	0.11	0.29	*
Fev															
01-10	23	71.0	1.831	38.792	0.000	11.2	13.8	17.3	27.6	32.5	40.4	58.6	0.14	0.29	*
11-20	23	60.1	1.345	44.657	0.000	5.8	7.6	10.2	18.3	22.5	29.3	46.0	0.10	0.29	*
21-28	22	47.9	2.193	21.856	0.000	9.5	11.4	13.9	20.9	24.1	29.3	40.9	0.08	0.29	*
Mar															
01-10	23	55.4	1.083	51.149	0.000	3.4	4.7	6.7	13.6	17.2	23.5	39.6	0.12	0.29	*
11-20	22	44.8	2.008	22.298	0.000	8.0	9.7	11.9	18.5	21.6	26.4	37.6	0.12	0.29	*
21-31	22	61.5	2.038	31.616	0.045	3.4	8.2	12.6	23.4	28.2	35.5	51.9	0.12	0.29	*
Abr															
01-10	22	24.0	1.239	26.671	0.273	0.0	0.0	0.0	0.0	0.0	4.0	14.5	0.16	0.29	*
11-20	23	28.2	1.390	27.479	0.261	0.0	0.0	0.0	0.0	0.0	6.4	18.6	0.16	0.29	*
21-30	23	20.7	1.254	27.168	0.391	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.16	0.29	*
Mai															
01-10	23	15.0	1.086	24.461	0.435	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.16	0.29	*
11-20	23	28.9	1.051	45.188	0.391	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.19	0.29	*
21-31	23	35.3	1.157	38.953	0.217	0.0	0.0	0.0	0.0	2.7	8.6	22.2	0.17	0.29	*
Jun															
01-10	23	10.1	1.666	11.567	0.478	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.13	0.29	*
11-20	23	7.2	1.391	13.295	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-30	23	7.3	0.770	24.055	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
Jul															
01-10	23	4.2	0.641	18.846	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
11-20	23	7.4	0.738	28.945	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.29	*
21-31	22	10.0	0.916	26.686	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
Ago															
01-10	22	9.3	1.637	8.912	0.364	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.08	0.29	*
11-20	22	4.6	1.370	12.239	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.29	*
21-31	22	16.5	1.196	30.352	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
Set															
01-10	21	25.3	1.442	24.585	0.286	0.0	0.0	0.0	0.0	0.0	4.6	16.4	0.13	0.30	*
11-20	22	10.6	1.279	13.960	0.409	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.24	0.29	*
21-30	22	29.4	1.914	19.893	0.227	0.0	0.0	0.0	0.0	4.7	11.6	23.3	0.13	0.29	*
Out															
01-10	22	27.7	1.392	23.060	0.136	0.0	0.0	0.0	4.5	7.1	11.2	20.5	0.09	0.29	*
11-20	22	36.5	2.360	17.894	0.136	0.0	0.0	0.0	11.1	15.1	20.6	31.7	0.09	0.29	*
21-31	22	55.8	1.852	31.558	0.045	2.4	6.3	10.2	19.8	24.1	30.8	46.1	0.12	0.29	*
Nov															
01-10	22	36.5	1.955	20.515	0.091	0.0	0.0	2.8	11.7	14.9	19.8	30.4	0.09	0.29	*
11-20	22	59.9	1.970	31.855	0.045	3.1	7.5	11.8	22.3	26.9	34.0	50.2	0.12	0.29	*
21-30	21	40.7	1.428	33.279	0.143	0.0	0.0	0.0	6.4	10.4	16.5	30.3	0.13	0.30	*
Dez															
01-10	22	68.6	1.369	55.129	0.091	0.0	0.0	2.2	15.2	20.8	29.9	51.5	0.13	0.29	*
11-20	22	56.2	1.122	52.462	0.045	0.5	2.2	4.5	12.1	16.1	22.9	39.9	0.08	0.29	*
21-31	22	53.1	1.513	36.782	0.045	1.3	4.2	7.3	15.8	19.9	26.4	41.7	0.10	0.29	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 105. Precipitação pluviométrica decendial esperada (mm) na estação Ribas do Rio Pardo - Cerâmica (2053000), Município de Ribas do Rio Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°26'36" S, 53°45'27" W, 470 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	31	85.3	1.555	54.838	0.000	10.6	13.4	17.4	29.4	35.3	45.0	67.8	0.11	0.25	*
11-20	31	78.7	1.610	48.874	0.000	10.3	13.0	16.7	27.9	33.3	42.2	63.1	0.11	0.25	*
21-31	31	100.5	1.246	80.662	0.000	8.4	11.2	15.2	28.5	35.3	46.8	75.2	0.11	0.25	*
Fev															
01-10	31	63.0	1.883	33.452	0.000	10.4	12.7	15.8	25.0	29.3	36.2	52.3	0.09	0.25	*
11-20	31	59.5	1.029	59.805	0.032	1.3	2.6	4.7	12.2	16.2	23.2	41.1	0.09	0.25	*
21-28	31	55.9	3.469	16.658	0.032	12.4	16.2	20.2	29.4	33.3	39.0	51.1	0.09	0.25	*
Mar															
01-10	31	59.2	1.061	57.645	0.032	1.4	2.8	5.0	12.6	16.6	23.6	41.4	0.08	0.25	*
11-20	31	54.8	1.542	35.534	0.000	6.7	8.5	11.0	18.8	22.6	28.8	43.5	0.09	0.25	*
21-31	31	49.8	1.895	30.158	0.129	0.0	0.0	0.0	12.7	17.8	25.2	40.9	0.14	0.25	*
Abr															
01-10	31	34.6	1.012	42.405	0.194	0.0	0.0	0.0	0.4	3.2	8.1	20.7	0.14	0.25	*
11-20	31	36.3	0.983	43.988	0.161	0.0	0.0	0.0	2.0	4.7	9.5	22.1	0.13	0.25	*
21-30	30	26.9	1.027	30.176	0.133	0.0	0.0	0.0	2.6	4.7	8.2	17.3	0.11	0.25	*
Mai															
01-10	29	29.0	1.681	20.840	0.172	0.0	0.0	0.0	3.8	7.5	12.4	22.6	0.09	0.25	*
11-20	30	36.0	1.087	47.356	0.300	0.0	0.0	0.0	0.0	0.0	2.8	18.6	0.17	0.25	*
21-31	30	33.1	1.282	30.986	0.167	0.0	0.0	0.0	2.9	6.3	11.4	23.1	0.10	0.25	*
Jun															
01-10	30	16.6	0.648	30.774	0.167	0.0	0.0	0.0	0.2	0.8	2.2	7.3	0.06	0.25	*
11-20	30	12.2	0.983	21.956	0.433	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.13	0.25	*
21-30	31	12.5	0.691	33.121	0.452	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.07	0.25	*
Jul															
01-10	31	15.7	0.801	33.766	0.419	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.11	0.25	*
11-20	32	11.0	1.004	21.883	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.24	*
21-31	32	18.2	0.674	53.890	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.24	*
Ago															
01-10	31	14.7	0.938	32.377	0.516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	*
11-20	30	6.5	0.681	21.951	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
21-31	30	17.0	1.289	26.315	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.25	*
Set															
01-10	30	43.6	0.592	100.328	0.267	0.0	0.0	0.0	0.0	0.0	1.3	13.0	0.13	0.25	*
11-20	29	20.6	0.654	43.465	0.276	0.0	0.0	0.0	0.0	0.0	0.7	6.8	0.15	0.25	*
21-30	29	29.6	1.461	21.733	0.069	0.0	0.2	2.7	7.8	10.2	14.0	22.8	0.07	0.25	*
Out															
01-10	30	33.2	1.447	22.972	0.000	3.7	4.7	6.2	10.8	13.1	16.9	26.0	0.09	0.25	*
11-20	31	46.2	1.387	33.299	0.000	4.7	6.1	8.1	14.5	17.7	22.9	35.7	0.13	0.25	*
21-31	31	51.3	1.737	30.542	0.032	4.2	6.7	9.7	17.9	21.7	27.8	41.8	0.11	0.25	*
Nov															
01-10	31	44.3	1.798	26.314	0.065	0.0	2.1	6.2	14.5	18.1	23.6	36.2	0.10	0.25	*
11-20	31	53.7	0.973	55.168	0.000	2.6	3.7	5.4	11.6	15.0	21.0	36.8	0.13	0.25	*
21-30	31	57.9	1.366	42.407	0.000	5.8	7.5	10.0	17.9	21.9	28.5	44.6	0.12	0.25	*
Dez															
01-10	31	56.9	2.510	23.436	0.032	8.6	12.0	15.9	25.5	29.6	35.9	49.8	0.10	0.25	*
11-20	31	56.5	1.149	49.191	0.000	4.0	5.4	7.6	14.8	18.5	25.0	41.2	0.10	0.25	*
21-31	31	78.1	1.833	44.057	0.032	7.1	11.0	15.7	28.4	34.2	43.4	64.4	0.06	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 106. Precipitação pluviométrica decendial esperada (mm) na estação Usina Mimoso (2053001), Município de Ribas do Rio Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°40'35" S, 53°34'14" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	80.2	1.852	43.320	0.000	12.9	15.8	19.8	31.5	37.0	45.9	66.3	0.10	0.29	*
11-20	22	61.9	2.090	29.628	0.000	11.6	14.0	17.2	26.2	30.4	37.2	52.4	0.11	0.29	*
21-31	22	79.6	1.521	52.293	0.000	9.5	12.1	15.8	27.0	32.5	41.5	63.0	0.21	0.29	*
Fev															
01-10	23	59.8	3.053	19.579	0.000	16.5	19.0	22.2	30.8	34.6	40.5	53.4	0.09	0.29	*
11-20	23	38.4	1.673	24.008	0.043	1.6	3.8	6.2	12.6	15.5	20.2	31.0	0.09	0.29	*
21-28	23	50.4	1.771	28.442	0.000	7.6	9.4	11.9	19.1	22.6	28.2	41.3	0.11	0.29	*
Mar															
01-10	23	55.9	1.491	39.214	0.043	1.7	4.5	7.7	16.6	20.8	27.6	43.7	0.09	0.29	*
11-20	23	52.4	1.060	49.407	0.000	3.1	4.3	6.1	12.5	16.0	21.9	37.1	0.09	0.29	*
21-31	23	45.6	2.001	26.202	0.130	0.0	0.0	0.0	12.2	17.0	23.7	38.0	0.14	0.29	*
Abr															
01-10	23	31.4	2.265	16.805	0.174	0.0	0.0	0.0	6.2	10.8	16.3	26.9	0.16	0.29	*
11-20	23	34.8	2.748	14.567	0.130	0.0	0.0	0.0	12.5	16.2	21.2	31.2	0.13	0.29	*
21-30	23	28.9	1.089	32.085	0.174	0.0	0.0	0.0	1.4	3.9	8.1	18.4	0.11	0.29	*
Mai															
01-10	22	23.9	0.837	39.279	0.273	0.0	0.0	0.0	0.0	0.0	1.8	10.5	0.13	0.29	*
11-20	22	38.5	1.126	46.995	0.273	0.0	0.0	0.0	0.0	0.0	5.5	21.7	0.20	0.29	*
21-31	23	36.4	1.485	29.671	0.174	0.0	0.0	0.0	3.7	8.0	14.0	27.0	0.16	0.29	*
Jun															
01-10	23	14.4	0.718	38.323	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.17	0.29	*
11-20	23	14.9	0.797	33.124	0.435	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.17	0.29	*
21-30	23	6.6	1.122	11.279	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.12	0.29	*
Jul															
01-10	23	11.0	0.661	34.695	0.522	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
11-20	23	5.9	1.240	9.085	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.11	0.29	*
21-31	23	8.7	0.928	21.662	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Ago															
01-10	22	13.1	0.674	32.923	0.409	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.14	0.29	*
11-20	22	9.7	0.536	44.050	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.29	*
21-31	22	17.5	0.720	44.434	0.455	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.22	0.29	*
Set															
01-10	22	25.9	1.351	26.310	0.273	0.0	0.0	0.0	0.0	0.0	5.0	16.5	0.17	0.29	*
11-20	22	15.1	0.756	29.234	0.318	0.0	0.0	0.0	0.0	0.0	0.1	5.0	0.14	0.29	*
21-30	22	31.7	1.855	20.869	0.182	0.0	0.0	0.0	3.9	8.5	14.2	25.4	0.11	0.29	*
Out															
01-10	22	38.5	1.565	27.036	0.091	0.0	0.0	1.8	9.9	13.2	18.4	30.1	0.06	0.29	*
11-20	22	36.5	1.258	31.908	0.091	0.0	0.0	0.9	7.2	10.2	15.0	26.5	0.12	0.29	*
21-31	22	55.0	1.236	46.599	0.045	0.7	2.7	5.3	13.3	17.3	24.0	40.5	0.11	0.29	*
Nov															
01-10	22	43.5	1.471	31.007	0.045	1.0	3.2	5.7	12.6	15.9	21.3	33.9	0.19	0.29	*
11-20	22	40.9	1.704	25.155	0.045	1.4	4.0	6.7	13.6	16.7	21.7	33.1	0.08	0.29	*
21-30	22	41.5	0.766	56.731	0.045	0.0	0.4	1.2	5.0	7.3	11.8	24.5	0.14	0.29	*
Dez															
01-10	22	48.1	1.386	38.192	0.091	0.0	0.0	1.6	10.8	14.8	21.2	36.3	0.13	0.29	*
11-20	22	65.1	1.670	38.968	0.000	9.0	11.3	14.4	23.7	28.2	35.5	52.7	0.11	0.29	*
21-31	21	47.0	1.505	31.233	0.000	5.5	7.1	9.2	15.8	19.1	24.4	37.1	0.09	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 107. Precipitação pluviométrica decendial esperada (mm) na estação Passagem Ribeirão Lontra (2153002), Município de Ribas do Rio Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°24'30" S, 53°36'46" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	19	69.5	2.121	34.601	0.053		8.3	14.0	26.8	32.2	40.6	59.1	0.12	0.31	*
11-20	19	64.0	1.218	55.438	0.053		2.3	5.4	14.8	19.5	27.4	46.7	0.12	0.31	*
21-31	19	55.9	2.250	24.857	0.000		13.6	16.5	24.7	28.5	34.5	47.9	0.12	0.31	*
Fev															
01-10	19	41.5	1.253	33.138	0.000		4.7	6.4	11.9	14.7	19.4	31.2	0.17	0.31	*
11-20	19	48.6	1.131	48.043	0.105		0.0	0.0	7.5	11.3	17.7	33.5	0.11	0.31	*
21-28	19	31.5	0.831	42.376	0.105		0.0	0.0	2.7	4.7	8.3	18.4	0.15	0.31	*
Mar															
01-10	20	50.0	1.210	48.590	0.150		0.0	0.0	5.3	9.9	17.1	34.4	0.13	0.31	*
11-20	20	39.8	1.123	39.356	0.100		0.0	0.0	6.3	9.4	14.6	27.4	0.18	0.31	*
21-31	20	52.4	1.427	40.792	0.100		0.0	0.0	11.6	16.1	23.2	39.7	0.16	0.31	*
Abr															
01-10	20	30.4	0.941	46.188	0.300		0.0	0.0	0.0	0.0	1.6	13.8	0.25	0.31	*
11-20	20	31.0	1.460	28.349	0.250		0.0	0.0	0.0	0.0	8.2	21.3	0.18	0.31	*
21-30	20	21.3	0.988	35.951	0.400		0.0	0.0	0.0	0.0	0.0	6.4	0.15	0.31	*
Mai															
01-10	20	21.5	1.379	22.239	0.300		0.0	0.0	0.0	0.0	2.8	13.2	0.19	0.31	*
11-20	20	29.0	1.198	32.220	0.250		0.0	0.0	0.0	0.0	5.9	17.8	0.12	0.31	*
21-31	21	26.9	1.812	18.313	0.190	0.0	0.0	0.0	2.2	6.6	11.5	21.3	0.15	0.30	*
Jun															
01-10	21	20.0	0.814	42.972	0.429	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.14	0.30	*
11-20	21	18.1	0.850	37.316	0.429	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.23	0.30	*
21-30	21	9.0	0.953	15.267	0.381	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.10	0.30	*
Jul															
01-10	21	10.2	1.300	16.559	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
11-20	21	3.0	1.984	5.377	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
21-31	21	9.3	0.744	32.898	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
Ago															
01-10	18	11.5	0.988	20.974	0.444		0.0	0.0	0.0	0.0	0.0	2.1	0.10	0.32	*
11-20	19	8.7	0.950	29.123	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
21-31	19	14.3	1.358	16.726	0.368		0.0	0.0	0.0	0.0	0.0	7.2	0.12	0.31	*
Set															
01-10	19	29.3	0.827	56.162	0.368		0.0	0.0	0.0	0.0	0.0	8.5	0.16	0.31	*
11-20	17	13.2	1.399	11.490	0.176		0.0	0.0	1.1	2.6	4.8	9.6	0.16	0.33	*
21-30	17	21.5	0.942	29.830	0.235		0.0	0.0	0.0	0.4	3.4	11.4	0.16	0.33	*
Out															
01-10	18	24.2	0.980	34.169	0.278		0.0	0.0	0.0	0.0	2.4	12.1	0.10	0.32	*
11-20	18	43.0	1.820	28.343	0.167		0.0	0.0	7.1	12.5	19.7	34.5	0.17	0.32	*
21-31	18	50.7	0.846	63.424	0.056		0.4	1.6	6.8	10.0	15.7	31.4	0.10	0.32	*
Nov															
01-10	19	28.8	1.535	21.001	0.105		0.0	0.0	6.7	9.3	13.3	22.4	0.09	0.31	*
11-20	19	57.8	1.205	60.736	0.211		0.0	0.0	0.0	5.7	15.4	37.5	0.14	0.31	*
21-30	19	40.5	0.709	67.847	0.158		0.0	0.0	0.9	2.7	6.7	19.7	0.09	0.31	*
Dez															
01-10	19	41.7	1.786	26.062	0.105		0.0	0.0	11.5	15.3	21.1	33.8	0.10	0.31	*
11-20	18	42.1	1.154	36.440	0.000		4.1	5.7	11.0	13.9	18.7	30.7	0.11	0.32	*
21-31	18	54.8	1.068	54.287	0.056		1.1	3.3	10.6	14.4	21.1	38.0	0.13	0.32	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 108. Precipitação pluviométrica decendial esperada (mm) na estação Lanceiro (2153004), Município de Ribas do Rio Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°58'55" S, 53°38'30" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	73.1	1.341	54.505	0.000	7.1	9.2	12.3	22.2	27.3	35.6	56.0	0.08	0.30	*
11-20	21	61.7	1.257	49.092	0.000	5.3	7.0	9.5	17.7	21.8	28.9	46.3	0.08	0.30	*
21-31	21	79.3	1.865	44.661	0.048	2.5	8.7	14.3	28.1	34.2	43.9	65.6	0.09	0.30	*
Fev															
01-10	21	66.9	1.884	35.486	0.000	11.0	13.5	16.8	26.5	31.1	38.5	55.5	0.08	0.30	*
11-20	21	63.8	2.024	34.822	0.095	0.0	0.0	3.8	20.7	26.4	35.0	53.6	0.11	0.30	*
21-28	21	49.9	0.796	65.817	0.048	0.0	0.5	1.6	6.4	9.3	14.8	30.1	0.15	0.30	*
Mar															
01-10	21	46.6	1.475	34.920	0.095	0.0	0.0	1.2	11.0	15.0	21.3	35.8	0.07	0.30	*
11-20	21	53.3	1.444	36.934	0.000	5.9	7.5	9.9	17.3	21.0	27.1	41.6	0.14	0.30	*
21-31	21	50.5	1.798	32.805	0.143	0.0	0.0	0.0	10.9	16.3	24.1	40.7	0.16	0.30	*
Abr															
01-10	21	33.7	1.285	34.429	0.238	0.0	0.0	0.0	0.0	1.5	8.2	21.9	0.19	0.30	*
11-20	21	30.1	1.134	29.377	0.095	0.0	0.0	0.3	5.0	7.3	11.2	20.9	0.08	0.30	*
21-30	21	17.2	0.741	37.422	0.381	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.17	0.30	*
Mai															
01-10	20	29.7	1.121	37.815	0.300		0.0	0.0	0.0	0.0	2.5	15.7	0.13	0.31	*
11-20	20	38.7	0.876	63.086	0.300		0.0	0.0	0.0	0.0	1.7	16.4	0.14	0.31	*
21-31	20	26.5	2.101	21.042	0.400		0.0	0.0	0.0	0.0	0.0	16.7	0.27	0.31	*
Jun															
01-10	20	22.2	1.046	28.343	0.250		0.0	0.0	0.0	0.0	3.6	12.4	0.14	0.31	*
11-20	19	12.8	1.374	16.028	0.421		0.0	0.0	0.0	0.0	0.0	4.9	0.14	0.31	*
21-30	19	13.2	0.766	23.308	0.263		0.0	0.0	0.0	0.0	0.9	5.4	0.12	0.31	*
Jul															
01-10	20	8.2	1.370	10.943	0.450		0.0	0.0	0.0	0.0	0.0	2.4	0.22	0.31	*
11-20	20	6.9	0.950	14.465	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
21-31	19	14.8	1.031	30.338	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.31	*
Ago															
01-10	21	15.0	1.070	26.735	0.476	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.17	0.30	*
11-20	21	8.3	1.342	18.471	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.30	*
21-31	21	19.4	0.816	38.397	0.381	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.11	0.30	*
Set															
01-10	21	31.6	1.158	40.984	0.333	0.0	0.0	0.0	0.0	0.0	0.0	15.7	0.18	0.30	*
11-20	21	17.2	0.891	21.337	0.095	0.0	0.0	0.1	1.9	3.0	5.1	10.6	0.20	0.30	*
21-30	21	26.3	1.102	29.473	0.190	0.0	0.0	0.0	0.6	3.0	7.0	16.6	0.15	0.30	*
Out															
01-10	21	30.7	0.991	38.228	0.190	0.0	0.0	0.0	0.4	2.8	7.1	18.2	0.21	0.30	*
11-20	21	34.2	1.012	39.485	0.143	0.0	0.0	0.0	2.8	5.4	10.0	21.7	0.13	0.30	*
21-31	21	60.5	1.384	43.697	0.000	6.2	8.0	10.6	18.9	23.1	30.0	46.7	0.12	0.30	*
Nov															
01-10	21	39.1	1.754	22.289	0.000	5.8	7.2	9.1	14.8	17.5	21.8	32.0	0.14	0.30	*
11-20	21	48.7	1.491	36.077	0.095	0.0	0.0	1.3	11.6	15.8	22.4	37.5	0.09	0.30	*
21-30	21	47.1	1.138	45.764	0.095	0.0	0.0	0.5	7.9	11.5	17.6	32.8	0.12	0.30	*
Dez															
01-10	21	65.2	2.031	35.512	0.095	0.0	0.0	4.0	21.2	27.1	35.9	54.8	0.12	0.30	*
11-20	21	50.6	2.283	23.261	0.048	2.7	7.6	11.6	20.7	24.6	30.5	43.6	0.09	0.30	*
21-31	21	52.8	2.713	20.447	0.048	4.0	9.9	14.4	24.0	28.0	34.0	46.9	0.08	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 109. Precipitação pluviométrica decendial esperada (mm) na estação Aroeira (2154000), Município de Rio Brilhante, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°38'47" S, 54°25'28" W, 265 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	31	54.8	1.377	41.147	0.032	2.7	4.7	7.4	15.6	19.6	26.2	42.0	0.08	0.25	*
11-20	32	54.4	1.988	28.239	0.031	5.9	8.7	12.1	21.0	25.0	31.4	45.6	0.12	0.24	*
21-31	32	63.4	2.102	33.268	0.094	0.0	0.0	4.7	21.4	27.0	35.5	53.7	0.09	0.24	*
Fev															
01-10	31	51.8	2.206	23.480	0.000	10.4	12.4	15.1	22.7	26.2	31.7	44.2	0.12	0.25	*
11-20	30	50.4	2.389	23.462	0.100	0.0	0.0	0.0	18.4	23.0	29.8	44.0	0.07	0.25	*
21-28	31	43.3	1.646	29.142	0.097	0.0	0.0	1.2	11.4	15.3	21.1	34.4	0.10	0.25	*
Mar															
01-10	31	47.4	1.654	30.621	0.065	0.0	1.8	5.8	14.4	18.2	24.2	38.0	0.09	0.25	*
11-20	31	40.4	1.198	40.151	0.161	0.0	0.0	0.0	3.5	7.2	13.2	27.4	0.08	0.25	*
21-31	31	39.7	1.630	30.221	0.194	0.0	0.0	0.0	2.0	8.3	15.5	30.2	0.14	0.25	*
Abr															
01-10	31	34.7	2.019	20.485	0.161	0.0	0.0	0.0	7.1	11.5	17.2	28.8	0.13	0.25	*
11-20	31	37.1	1.682	28.475	0.226	0.0	0.0	0.0	0.0	5.0	13.1	27.9	0.14	0.25	*
21-30	31	23.0	1.119	27.740	0.258	0.0	0.0	0.0	0.0	0.0	3.9	13.3	0.12	0.25	*
Mai															
01-10	32	23.5	1.257	25.961	0.281	0.0	0.0	0.0	0.0	0.0	3.6	14.1	0.11	0.24	*
11-20	32	36.3	1.016	49.698	0.281	0.0	0.0	0.0	0.0	0.0	3.7	18.6	0.17	0.24	*
21-31	32	37.1	1.299	32.643	0.125	0.0	0.0	0.0	6.0	9.3	14.5	26.8	0.12	0.24	*
Jun															
01-10	34	26.7	1.138	31.930	0.265	0.0	0.0	0.0	0.0	0.0	4.3	15.4	0.12	0.23	*
11-20	34	16.0	1.187	25.499	0.471	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.15	0.23	*
21-30	34	14.4	1.756	13.968	0.412	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.12	0.23	*
Jul															
01-10	34	13.7	1.192	21.691	0.471	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.19	0.23	*
11-20	34	10.6	1.403	16.104	0.529	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.23	*
21-31	34	10.9	0.887	27.737	0.559	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.23	*
Ago															
01-10	32	12.6	1.302	22.072	0.563	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.24	*
11-20	32	10.4	0.763	27.304	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.24	*
21-31	32	17.5	0.901	34.555	0.438	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.16	0.24	*
Set															
01-10	33	30.3	1.654	30.256	0.394	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.20	0.24	*
11-20	33	20.0	0.901	30.583	0.273	0.0	0.0	0.0	0.0	0.0	1.8	9.4	0.10	0.24	*
21-30	33	28.7	2.024	16.707	0.152	0.0	0.0	0.0	6.6	9.9	14.5	23.9	0.06	0.24	*
Out															
01-10	33	39.1	1.540	31.047	0.182	0.0	0.0	0.0	3.4	8.4	15.1	29.3	0.13	0.24	*
11-20	33	49.2	1.490	34.073	0.030	3.1	5.1	7.7	15.2	18.8	24.7	38.6	0.07	0.24	*
21-31	33	43.5	1.643	30.098	0.121	0.0	0.0	0.0	9.9	14.1	20.4	34.3	0.13	0.24	*
Nov															
01-10	33	49.2	2.413	21.715	0.061	0.0	5.5	10.6	20.3	24.2	30.1	42.9	0.10	0.24	*
11-20	33	51.2	1.228	43.025	0.030	2.0	3.6	5.9	13.0	16.7	22.8	37.8	0.12	0.24	*
21-30	33	57.7	1.704	34.899	0.030	4.8	7.5	10.8	19.9	24.2	31.0	46.8	0.07	0.24	*
Dez															
01-10	33	48.4	1.812	29.373	0.091	0.0	0.0	3.2	14.5	18.7	25.2	39.6	0.07	0.24	*
11-20	33	51.4	2.018	26.251	0.030	5.8	8.5	11.7	20.1	23.9	29.8	43.2	0.10	0.24	*
21-31	32	60.1	1.361	48.760	0.094	0.0	0.0	1.5	13.0	18.0	26.0	45.0	0.09	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 110. Precipitação pluviométrica decendial esperada (mm) na estação Porto Rio Brilhante (2154001), Município de Rio Brilhante, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°47'47" S, 54°37'21" W, 293 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	31	63.0	1.225	51.439	0.000	5.1	6.8	9.3	17.6	21.8	29.1	46.9	0.05	0.25	*
11-20	31	54.7	1.827	33.177	0.097	0.0	0.0	2.1	16.1	21.0	28.4	44.8	0.13	0.25	*
21-31	31	69.9	1.610	44.871	0.032	4.9	8.0	11.9	22.9	28.1	36.4	55.9	0.06	0.25	*
Fev															
01-10	30	48.9	1.662	29.407	0.000	6.7	8.4	10.7	17.7	21.1	26.6	39.5	0.10	0.25	*
11-20	30	59.7	1.668	38.363	0.067	0.0	1.7	7.1	18.2	23.0	30.6	47.9	0.10	0.25	*
21-28	31	44.8	1.682	29.489	0.097	0.0	0.0	1.4	12.1	16.1	22.2	35.8	0.06	0.25	*
Mar															
01-10	30	48.8	1.290	40.494	0.067	0.0	0.6	3.6	11.3	15.1	21.2	36.2	0.07	0.25	*
11-20	29	50.8	0.968	58.474	0.103	0.0	0.0	0.0	6.1	9.7	16.0	32.5	0.09	0.25	*
21-31	27	50.9	2.309	29.763	0.259	0.0	0.0	0.0	0.0	0.0	20.3	42.3	0.20	0.26	*
Abr															
01-10	28	29.3	0.832	37.963	0.071	0.0	0.0	0.5	3.4	5.2	8.5	17.8	0.09	0.26	*
11-20	28	37.1	0.958	47.122	0.179	0.0	0.0	0.0	1.0	3.8	8.7	21.8	0.14	0.26	*
21-30	29	24.2	1.719	21.491	0.345	0.0	0.0	0.0	0.0	0.0	0.0	15.6	0.19	0.25	*
Mai															
01-10	29	28.9	1.336	29.848	0.276	0.0	0.0	0.0	0.0	0.0	5.3	18.2	0.11	0.25	*
11-20	29	44.8	2.447	24.111	0.241	0.0	0.0	0.0	0.0	6.7	20.3	38.3	0.19	0.25	*
21-31	30	34.7	1.303	30.738	0.133	0.0	0.0	0.0	5.2	8.4	13.3	25.0	0.10	0.25	*
Jun															
01-10	31	29.7	0.919	41.754	0.226	0.0	0.0	0.0	0.0	0.9	4.8	15.8	0.07	0.25	*
11-20	31	21.3	0.876	37.683	0.355	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.10	0.25	*
21-30	31	20.0	1.038	27.218	0.290	0.0	0.0	0.0	0.0	0.0	1.8	10.2	0.17	0.25	*
Jul															
01-10	31	13.4	1.342	15.441	0.355	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.09	0.25	*
11-20	31	11.9	1.450	14.073	0.419	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.09	0.25	*
21-31	31	11.3	1.125	20.797	0.516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
Ago															
01-10	31	14.8	1.037	23.331	0.387	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.07	0.25	*
11-20	31	10.3	1.095	20.899	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	*
21-31	32	20.1	1.370	26.041	0.438	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.22	0.24	*
Set															
01-10	32	34.2	1.032	44.143	0.250	0.0	0.0	0.0	0.0	0.0	5.4	18.9	0.15	0.24	*
11-20	32	27.8	0.801	48.356	0.281	0.0	0.0	0.0	0.0	0.0	1.6	11.4	0.11	0.24	*
21-30	31	29.4	1.095	29.711	0.097	0.0	0.0	0.2	4.6	6.8	10.6	20.1	0.04	0.25	*
Out															
01-10	31	32.8	1.149	31.590	0.097	0.0	0.0	0.3	5.5	8.1	12.3	22.9	0.06	0.25	*
11-20	31	49.0	1.850	27.378	0.032	4.5	7.0	10.0	17.9	21.6	27.4	40.5	0.05	0.25	*
21-31	30	47.6	1.316	36.161	0.000	4.4	5.8	7.8	14.2	17.5	22.9	36.2	0.07	0.25	*
Nov															
01-10	30	52.4	1.932	29.033	0.067	0.0	2.2	7.9	18.1	22.3	28.9	43.6	0.07	0.25	*
11-20	31	67.4	1.622	42.950	0.032	4.8	7.8	11.6	22.2	27.2	35.3	54.0	0.13	0.25	*
21-30	32	58.3	1.348	44.615	0.031	2.8	4.9	7.7	16.3	20.5	27.5	44.3	0.19	0.24	*
Dez															
01-10	32	56.7	1.378	42.449	0.031	2.9	5.0	7.8	16.2	20.3	27.1	43.4	0.06	0.24	*
11-20	32	55.9	1.516	36.869	0.000	6.7	8.5	11.0	18.9	22.7	29.1	44.2	0.06	0.24	*
21-31	32	58.6	1.371	42.744	0.000	5.9	7.6	10.2	18.2	22.2	28.9	45.1	0.06	0.24	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 111. Precipitação pluviométrica decendial esperada (mm) na estação Rio Negro (1954003), Município de Rio Negro, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°26'22" S, 54°58'60" W, 228 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	26	72.8	2.092	34.779	0.000	13.7	16.5	20.2	30.8	35.8	43.7	61.6	0.09	0.27	*
11-20	26	59.3	2.163	28.517	0.038	5.8	9.7	13.8	23.9	28.3	35.2	50.6	0.07	0.27	*
21-31	26	61.5	2.366	25.976	0.000	13.3	15.7	18.9	28.0	32.1	38.6	53.0	0.12	0.27	*
Fev															
01-10	27	56.8	2.577	23.785	0.074	0.0	0.0	11.1	23.7	28.3	35.3	50.1	0.10	0.26	*
11-20	26	107.2	1.049	106.248	0.038	1.6	4.3	8.2	21.9	29.2	41.9	74.4	0.18	0.27	*
21-28	26	178.8	0.454	393.394	0.000	0.4	0.9	1.9	8.9	14.6	27.5	74.4	0.26	0.27	*
Mar															
01-10	26	201.6	0.401	522.194	0.038	0.0	0.1	0.4	4.6	9.0	20.4	68.2	0.24	0.27	*
11-20	26	166.8	0.439	470.258	0.192	0.0	0.0	0.0	0.0	0.9	6.4	42.1	0.21	0.27	*
21-31	26	203.7	0.444	518.960	0.115	0.0	0.0	0.0	2.0	5.7	16.6	65.9	0.27	0.27	
Abr															
01-10	26	164.4	0.396	490.284	0.154	0.0	0.0	0.0	0.2	1.5	7.0	40.3	0.26	0.27	*
11-20	25	144.8	0.392	439.866	0.160	0.0	0.0	0.0	0.1	1.1	5.6	34.1	0.23	0.27	*
21-30	25	127.8	0.430	391.291	0.240	0.0	0.0	0.0	0.0	0.0	2.1	25.5	0.18	0.27	*
Mai															
01-10	26	159.9	0.325	711.842	0.308	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.15	0.27	*
11-20	26	140.7	0.378	569.159	0.346	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.25	0.27	*
21-31	25	238.5	0.371	845.751	0.240	0.0	0.0	0.0	0.0	0.0	2.0	35.3	0.17	0.27	*
Jun															
01-10	26	179.9	0.345	904.843	0.423	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.17	0.27	*
11-20	26	144.3	0.284	1099.481	0.538	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.27	*
21-30	26	113.1	0.333	803.556	0.577	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.27	*
Jul															
01-10	27	125.8	0.267	848.334	0.444	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.10	0.26	*
11-20	27	90.8	0.270	1009.237	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.26	*
21-31	27	120.1	0.318	927.434	0.593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.26	*
Ago															
01-10	27	97.2	0.307	657.460	0.519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.26	*
11-20	27	144.7	0.264	1346.203	0.593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.26	*
21-31	27	163.3	0.296	1354.253	0.593	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.26	*
Set															
01-10	27	136.7	0.370	587.182	0.370	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.25	0.26	*
11-20	27	141.4	0.375	565.204	0.333	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.18	0.26	*
21-30	27	157.9	0.365	530.542	0.185	0.0	0.0	0.0	0.0	0.4	3.4	29.7	0.19	0.26	*
Out															
01-10	27	139.8	0.450	364.931	0.148	0.0	0.0	0.0	0.6	2.5	9.1	42.2	0.21	0.26	*
11-20	26	171.5	0.462	402.336	0.077	0.0	0.0	0.1	4.0	8.4	19.4	63.5	0.32	0.27	
21-31	27	80.1	1.064	78.201	0.037	1.4	3.4	6.4	16.7	22.2	31.7	55.9	0.19	0.26	*
Nov															
01-10	27	44.5	1.585	32.969	0.148	0.0	0.0	0.0	7.7	12.4	19.3	34.3	0.09	0.26	*
11-20	26	46.8	2.461	21.515	0.115	0.0	0.0	0.0	16.5	21.1	27.6	41.1	0.14	0.27	*
21-30	27	42.0	1.197	37.882	0.074	0.0	0.0	2.1	8.6	11.8	17.1	30.2	0.14	0.26	*
Dez															
01-10	26	69.3	1.684	41.172	0.000	9.7	12.2	15.5	25.4	30.2	38.0	56.2	0.11	0.27	*
11-20	26	72.2	1.602	46.855	0.038	3.8	7.4	11.6	23.2	28.6	37.3	57.6	0.11	0.27	*
21-31	26	82.1	2.096	40.714	0.038	7.6	12.8	18.4	32.4	38.5	48.1	69.6	0.12	0.27	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 112. Precipitação pluviométrica decendial esperada (mm) na estação Rio Verde de Mato Grosso (1854002), Município de Rio Verde de Mato Grosso, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°54'36" S, 54°49'56" W, 340 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	23	91.2	2.200	41.461	0.000	18.2	21.7	26.5	39.8	46.0	55.8	77.8	0.09	0.29	*
11-20	22	65.8	1.814	38.000	0.045	2.7	7.2	11.7	23.0	28.0	36.0	54.1	0.13	0.29	*
21-31	22	91.4	0.964	94.780	0.000	4.3	6.1	9.0	19.5	25.3	35.6	62.4	0.14	0.29	*
Fev															
01-10	21	50.0	1.944	28.422	0.095	0.0	0.0	2.7	15.7	20.1	26.9	41.6	0.12	0.30	*
11-20	21	72.8	2.905	27.686	0.095	0.0	0.0	8.8	30.9	37.4	46.7	65.8	0.11	0.30	*
21-28	21	38.5	2.818	13.672	0.000	9.9	11.5	13.6	19.2	21.7	25.5	34.1	0.14	0.30	*
Mar															
01-10	21	52.6	2.740	19.203	0.000	13.2	15.4	18.1	25.8	29.2	34.6	46.4	0.07	0.30	*
11-20	21	44.2	2.664	17.411	0.048	3.3	8.1	11.8	19.9	23.2	28.3	39.1	0.13	0.30	*
21-31	21	45.7	2.782	19.169	0.143	0.0	0.0	0.0	15.4	20.7	27.6	41.1	0.11	0.30	*
Abr															
01-10	21	24.2	1.354	19.743	0.095	0.0	0.0	0.5	5.1	7.1	10.4	18.0	0.13	0.30	*
11-20	21	29.9	1.222	25.669	0.048	0.2	1.3	2.7	7.1	9.3	12.9	21.9	0.07	0.30	*
21-30	20	17.7	0.889	28.508	0.300		0.0	0.0	0.0	0.0	0.8	7.6	0.17	0.31	*
Mai															
01-10	22	14.9	1.859	14.689	0.455	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.20	0.29	*
11-20	22	19.5	1.892	16.176	0.364	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.18	0.29	*
21-31	22	46.7	1.136	50.193	0.182	0.0	0.0	0.0	1.9	6.3	13.3	30.3	0.16	0.29	*
Jun															
01-10	22	13.1	0.585	44.634	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
11-20	22	11.8	1.373	18.832	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.29	*
21-30	22	4.6	1.095	9.150	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
Jul															
01-10	23	6.2	0.391	45.792	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29	*
11-20	23	9.1	0.664	39.252	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
21-31	23	6.4	2.005	14.656	0.783	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
Ago															
01-10	24	5.7	0.945	13.233	0.542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.28	*
11-20	24	5.4	0.897	48.124	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.28	*
21-31	24	11.7	0.803	31.780	0.542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	*
Set															
01-10	24	20.5	0.589	52.345	0.333	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.08	0.28	*
11-20	23	15.6	1.204	18.596	0.304	0.0	0.0	0.0	0.0	0.0	1.3	8.6	0.14	0.29	*
21-30	23	30.1	1.049	34.728	0.174	0.0	0.0	0.0	1.3	3.8	8.1	18.8	0.10	0.29	*
Out															
01-10	24	23.8	1.777	16.073	0.167	0.0	0.0	0.0	3.8	6.7	10.7	18.9	0.08	0.28	*
11-20	24	45.2	1.836	26.859	0.083	0.0	0.0	4.3	14.1	18.0	23.9	37.1	0.06	0.28	*
21-31	24	54.7	1.849	32.282	0.083	0.0	0.0	5.3	17.2	21.9	29.1	45.0	0.08	0.28	*
Nov															
01-10	24	50.2	1.169	49.091	0.125	0.0	0.0	0.0	6.9	11.0	17.9	34.7	0.09	0.28	*
11-20	24	76.8	2.913	26.374	0.000	20.4	23.6	27.7	38.8	43.8	51.4	68.2	0.06	0.28	*
21-30	24	58.6	1.889	31.037	0.000	9.7	11.8	14.7	23.3	27.3	33.8	48.7	0.08	0.28	*
Dez															
01-10	24	80.6	2.308	34.936	0.000	17.0	20.1	24.3	36.2	41.6	50.1	69.3	0.08	0.28	*
11-20	24	59.3	3.628	16.351	0.000	18.9	21.4	24.5	32.9	36.5	42.0	54.0	0.15	0.28	*
21-31	24	93.0	1.643	59.036	0.042	4.3	9.3	15.0	30.2	37.3	48.5	74.6	0.16	0.28	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 113. Precipitação pluviométrica decendial esperada (mm) na estação Coxim (1854005), Município de Rio Verde de Mato Grosso, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°30'00" S, 54°55'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	11	81.8	1.819	44.950	0.000			19.8	31.7	37.3	46.4	67.4	0.15	0.41	*
11-20	11	61.7	1.907	32.335	0.000			15.7	24.7	28.9	35.7	51.3	0.13	0.41	*
21-31	11	94.2	3.177	29.634	0.000			35.9	49.4	55.4	64.5	84.5	0.18	0.41	*
Fev															
01-10	11	81.5	1.558	52.332	0.000			16.6	28.2	33.8	43.0	64.9	0.21	0.41	*
11-20	11	72.0	3.562	20.224	0.000			29.5	39.6	44.0	50.8	65.4	0.13	0.41	*
21-28	11	52.3	5.682	10.133	0.091			16.4	31.3	35.3	40.8	51.4	0.14	0.41	*
Mar															
01-10	11	38.5	2.512	15.332	0.000			12.5	18.1	20.6	24.6	33.5	0.15	0.41	*
11-20	11	36.9	0.578	63.903	0.000			1.0	3.3	5.0	8.3	18.9	0.24	0.41	*
21-31	11	27.6	2.183	15.452	0.182			0.0	4.4	8.8	13.8	23.3	0.16	0.41	*
Abr															
01-10	11	30.8	1.386	24.450	0.091			1.0	6.9	9.5	13.6	23.2	0.13	0.41	*
11-20	11	19.1	1.212	24.756	0.364			0.0	0.0	0.0	0.0	8.9	0.16	0.41	*
21-30	11	18.7	0.515	44.453	0.182			0.0	0.0	0.3	1.3	6.2	0.14	0.41	*
Mai															
01-10	11	19.5	1.706	15.728	0.273			0.0	0.0	0.0	5.2	14.1	0.23	0.41	*
11-20	11	11.9	0.542	40.106	0.455			0.0	0.0	0.0	0.0	0.3	0.15	0.41	*
21-31	11	29.5	0.575	70.498	0.273			0.0	0.0	0.0	0.7	8.2	0.22	0.41	*
Jun															
01-10	11	11.7	0.500	42.773	0.455			0.0	0.0	0.0	0.0	0.2	0.21	0.41	*
11-20	11	5.2	0.980	9.764	0.455			0.0	0.0	0.0	0.0	0.8	0.10	0.41	*
21-30	11	5.3	0.838	11.519	0.455			0.0	0.0	0.0	0.0	0.6	0.10	0.41	*
Jul															
01-10	11	7.0	0.568	33.774	0.636			0.0	0.0	0.0	0.0	0.0	0.22	0.41	*
11-20	11	1.6	0.685	8.764	0.727			0.0	0.0	0.0	0.0	0.0	0.14	0.41	*
21-31	11	7.3	0.422	47.597	0.636			0.0	0.0	0.0	0.0	0.0	0.20	0.41	*
Ago															
01-10	11	1.2	4.056	1.126	0.727			0.0	0.0	0.0	0.0	0.0	0.08	0.41	*
11-20	11	8.5	0.475	65.425	0.727			0.0	0.0	0.0	0.0	0.0	0.22	0.41	*
21-31	11	4.2	0.600	15.425	0.545			0.0	0.0	0.0	0.0	0.0	0.23	0.41	*
Set															
01-10	11	11.7	0.640	22.385	0.182			0.0	0.0	0.4	1.4	4.9	0.12	0.41	*
11-20	11	18.6	1.014	22.483	0.182			0.0	0.5	2.0	4.6	11.3	0.14	0.41	*
21-30	11	30.2	0.993	33.520	0.091			0.3	4.2	6.3	10.1	19.8	0.13	0.41	*
Out															
01-10	10	46.7	0.997	46.893	0.000				10.4	13.4	18.7	32.3	0.22	0.43	*
11-20	10	37.4	2.219	16.862	0.000				16.4	19.0	23.0	32.0	0.13	0.43	*
21-31	10	53.5	2.846	20.888	0.100				22.1	27.0	34.0	48.2	0.16	0.43	*
Nov															
01-10	10	51.1	1.099	46.439	0.000				12.7	16.1	21.9	36.7	0.15	0.43	*
11-20	10	51.0	2.102	26.956	0.100				16.8	21.4	28.4	43.2	0.29	0.43	*
21-30	11	64.8	2.656	24.403	0.000			21.9	31.3	35.6	42.2	56.9	0.15	0.41	*
Dez															
01-10	11	53.9	1.756	30.670	0.000			12.6	20.4	24.1	30.1	44.1	0.13	0.41	*
11-20	11	61.5	2.072	29.699	0.000			16.9	25.9	30.1	36.8	52.0	0.23	0.41	*
21-31	11	72.4	1.035	76.916	0.091			0.9	10.8	16.0	25.1	48.4	0.22	0.41	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 114. Precipitação pluviométrica decendial esperada (mm) na estação Ponte Nova (1854006), Município de Rio Verde de Mato Grosso, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 18°43'27" S, 54°35'56" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	85.9	2.439	35.206	0.000		22.6	27.1	39.7	45.4	54.4	74.4	0.12	0.31	*
11-20	20	74.1	1.241	59.683	0.000		8.2	11.2	20.9	26.0	34.5	55.4	0.15	0.31	*
21-31	21	89.7	1.987	45.161	0.000	15.8	19.2	23.7	36.8	43.0	52.8	75.2	0.13	0.30	*
Fev															
01-10	20	75.8	1.805	42.009	0.000		14.5	18.2	29.2	34.5	42.9	62.4	0.13	0.31	*
11-20	20	82.3	1.237	66.536	0.000		9.1	12.4	23.2	28.8	38.2	61.5	0.12	0.31	*
21-28	20	50.3	1.363	36.878	0.000		6.5	8.6	15.5	19.0	24.7	38.6	0.13	0.31	*
Mar															
01-10	20	49.6	1.510	32.844	0.000		7.5	9.7	16.7	20.1	25.8	39.2	0.17	0.31	*
11-20	20	43.5	1.452	31.537	0.050		2.7	5.3	12.3	15.6	21.0	33.7	0.09	0.31	*
21-31	20	42.8	1.850	24.340	0.050		4.3	7.5	15.0	18.3	23.5	35.3	0.13	0.31	*
Abr															
01-10	20	30.7	1.131	30.139	0.100		0.0	0.0	4.9	7.3	11.3	21.2	0.08	0.31	*
11-20	20	37.2	1.558	28.091	0.150		0.0	0.0	6.1	10.1	15.8	28.5	0.16	0.31	*
21-30	20	21.1	1.252	24.028	0.300		0.0	0.0	0.0	0.0	2.2	12.1	0.16	0.31	*
Mai															
01-10	20	21.6	1.521	20.256	0.300		0.0	0.0	0.0	0.0	3.3	14.1	0.14	0.31	*
11-20	20	26.5	1.273	29.715	0.300		0.0	0.0	0.0	0.0	2.9	15.4	0.22	0.31	*
21-31	20	30.0	1.815	23.586	0.300		0.0	0.0	0.0	0.0	6.1	21.6	0.19	0.31	*
Jun															
01-10	21	17.6	0.827	40.597	0.476	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.14	0.30	*
11-20	21	10.2	0.844	28.147	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.30	*
21-30	21	7.6	0.800	33.267	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.30	*
Jul															
01-10	21	2.7	2.021	6.988	0.810	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.30	*
11-20	21	3.8	1.252	21.456	0.857	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
21-31	21	6.0	3.141	6.634	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.30	*
Ago															
01-10	21	4.6	0.870	12.339	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
11-20	21	3.0	0.749	17.094	0.762	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.30	*
21-31	21	15.6	1.160	25.697	0.476	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.17	0.30	*
Set															
01-10	20	21.5	2.338	16.695	0.450		0.0	0.0	0.0	0.0	0.0	11.3	0.23	0.31	*
11-20	20	16.8	0.850	30.327	0.350		0.0	0.0	0.0	0.0	0.0	5.6	0.14	0.31	*
21-30	20	28.2	0.732	45.302	0.150		0.0	0.0	0.8	2.2	5.1	14.2	0.12	0.31	*
Out															
01-10	20	32.8	1.181	29.251	0.050		1.2	2.7	7.4	9.8	13.8	23.7	0.09	0.31	*
11-20	20	40.6	1.467	34.612	0.200		0.0	0.0	0.0	6.8	14.1	29.4	0.14	0.31	*
21-31	20	55.2	1.072	54.189	0.050		1.5	3.7	11.0	14.8	21.5	38.4	0.11	0.31	*
Nov															
01-10	20	29.9	1.880	16.728	0.050		3.1	5.3	10.6	12.9	16.6	24.8	0.10	0.31	*
11-20	20	64.7	1.228	52.692	0.000		7.0	9.6	18.1	22.5	29.9	48.2	0.11	0.31	*
21-30	20	44.5	3.423	13.697	0.050		10.4	14.5	22.8	26.0	30.8	40.8	0.09	0.31	*
Dez															
01-10	20	71.6	1.822	43.641	0.100		0.0	0.0	20.7	27.1	36.9	58.5	0.13	0.31	*
11-20	20	62.5	1.775	37.059	0.050		5.9	10.3	21.2	26.0	33.7	51.1	0.11	0.31	*
21-31	20	76.5	1.028	74.366	0.000		5.9	8.5	17.6	22.6	31.3	53.6	0.16	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 115. Precipitação pluviométrica decendial esperada (mm) na estação Rochedo (1954002), Município de Rochedo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°57'06" S, 54°53'31" W, 447 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	29	59.3	1.486	41.326	0.034	3.2	5.7	8.9	18.0	22.4	29.5	46.4	0.07	0.25	*
11-20	29	53.0	1.119	47.335	0.000	3.5	4.8	6.8	13.5	17.0	23.0	38.3	0.13	0.25	*
21-31	29	56.0	1.384	40.441	0.000	5.7	7.4	9.8	17.5	21.4	27.8	43.2	0.15	0.25	*
Fev															
01-10	29	43.4	1.349	32.194	0.000	4.2	5.5	7.4	13.3	16.3	21.2	33.3	0.10	0.25	*
11-20	29	61.8	2.595	25.570	0.069	0.0	3.2	13.1	26.2	31.2	38.7	54.6	0.09	0.25	*
21-28	29	50.1	1.160	48.177	0.103	0.0	0.0	0.0	8.1	12.1	18.7	35.0	0.10	0.25	*
Mar															
01-10	28	53.9	1.140	49.052	0.036	1.3	2.9	5.1	12.3	16.1	22.6	38.7	0.08	0.26	*
11-20	28	36.3	1.697	22.179	0.036	2.5	4.3	6.5	12.3	15.0	19.4	29.4	0.14	0.26	*
21-31	28	32.7	1.700	21.528	0.107	0.0	0.0	0.0	8.5	11.5	16.0	26.2	0.11	0.26	*
Abr															
01-10	28	23.0	0.637	45.956	0.214	0.0	0.0	0.0	0.0	0.3	2.0	8.9	0.11	0.26	*
11-20	28	31.7	1.109	32.015	0.107	0.0	0.0	0.0	4.7	7.1	11.3	21.7	0.08	0.26	*
21-30	28	24.3	0.929	31.917	0.179	0.0	0.0	0.0	0.6	2.3	5.5	14.0	0.10	0.26	*
Mai															
01-10	29	25.9	0.604	69.008	0.379	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.17	0.25	*
11-20	29	23.2	0.860	41.113	0.345	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.17	0.25	*
21-31	29	34.0	1.118	38.396	0.207	0.0	0.0	0.0	0.0	3.1	8.4	21.3	0.14	0.25	*
Jun															
01-10	29	19.1	1.144	24.228	0.310	0.0	0.0	0.0	0.0	0.0	1.2	10.0	0.13	0.25	*
11-20	29	14.4	0.908	28.836	0.448	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.11	0.25	*
21-30	29	8.0	0.758	25.585	0.586	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.25	*
Jul															
01-10	30	8.6	1.092	13.906	0.433	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.10	0.25	*
11-20	30	6.6	1.586	8.943	0.533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.25	*
21-31	30	10.6	0.758	29.979	0.533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.25	*
Ago															
01-10	30	10.6	1.080	24.638	0.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.25	*
11-20	30	5.0	1.231	15.237	0.733	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.25	*
21-31	30	10.5	0.853	28.412	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	*
Set															
01-10	29	21.5	0.905	36.206	0.345	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.11	0.25	*
11-20	29	21.9	0.924	32.672	0.276	0.0	0.0	0.0	0.0	0.0	2.0	10.4	0.16	0.25	*
21-30	29	28.0	1.209	33.543	0.310	0.0	0.0	0.0	0.0	0.0	2.0	15.3	0.13	0.25	*
Out															
01-10	28	29.4	0.830	38.064	0.071	0.0	0.0	0.5	3.4	5.2	8.5	17.8	0.10	0.26	*
11-20	28	45.2	1.690	31.234	0.143	0.0	0.0	0.0	9.0	13.8	20.7	35.7	0.13	0.26	*
21-31	28	43.5	2.366	20.586	0.107	0.0	0.0	0.0	15.3	19.4	25.4	37.8	0.11	0.26	*
Nov															
01-10	29	38.3	1.472	28.976	0.103	0.0	0.0	0.0	8.6	11.9	17.2	29.3	0.11	0.25	*
11-20	29	60.1	1.180	52.812	0.034	1.7	3.6	6.1	14.4	18.7	25.9	43.7	0.06	0.25	*
21-30	29	159.3	0.498	343.705	0.069	0.0	0.0	0.3	5.3	10.3	21.9	64.9	0.32	0.25	
Dez															
01-10	29	159.2	0.561	283.872	0.000	1.1	2.0	3.8	13.5	20.4	34.5	79.7	0.27	0.25	
11-20	29	146.2	0.573	255.061	0.000	1.1	2.0	3.8	13.0	19.5	32.7	74.4	0.31	0.25	
21-31	29	192.8	0.493	420.331	0.069	0.0	0.0	0.3	6.2	12.1	25.9	77.8	0.23	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 116. Precipitação pluviométrica decendial esperada (mm) na estação Campos Elíseos (2053004), Município de Santa Rita do Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°57'39" S, 53°17'16" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	18	79.4	2.115	37.542	0.000		18.2	22.2	33.9	39.3	47.9	67.3	0.18	0.32	*
11-20	18	63.8	2.348	30.587	0.111		0.0	0.0	22.0	28.2	37.0	55.4	0.11	0.32	*
21-31	18	64.5	1.049	61.506	0.000		5.2	7.4	15.2	19.5	26.8	45.6	0.16	0.32	*
Fev															
01-10	19	36.5	1.252	32.564	0.105		0.0	0.0	6.5	9.5	14.5	26.3	0.11	0.31	*
11-20	19	58.9	2.728	24.117	0.105		0.0	0.0	23.3	28.8	36.6	52.7	0.11	0.31	*
21-28	18	45.2	1.762	28.833	0.111		0.0	0.0	11.9	16.1	22.5	36.5	0.11	0.32	*
Mar															
01-10	18	50.0	1.080	52.069	0.111		0.0	0.0	6.8	10.6	17.2	33.6	0.17	0.32	*
11-20	18	45.2	1.759	28.929	0.111		0.0	0.0	11.9	16.1	22.5	36.5	0.11	0.32	*
21-31	18	39.0	1.529	27.023	0.056		2.2	4.8	11.4	14.4	19.3	30.7	0.08	0.32	*
Abr															
01-10	17	23.0	1.377	21.797	0.235		0.0	0.0	0.0	1.5	6.2	15.6	0.11	0.33	*
11-20	17	37.2	1.089	44.646	0.235		0.0	0.0	0.0	1.2	7.4	21.9	0.25	0.33	*
21-30	18	20.7	1.113	30.378	0.389		0.0	0.0	0.0	0.0	0.0	7.7	0.14	0.32	*
Mai															
01-10	19	37.6	0.792	56.349	0.158		0.0	0.0	1.2	3.2	7.4	19.9	0.10	0.31	*
11-20	19	18.8	0.963	30.947	0.368		0.0	0.0	0.0	0.0	0.0	6.7	0.12	0.31	*
21-31	18	37.0	0.957	46.338	0.167		0.0	0.0	1.6	4.3	9.2	22.1	0.19	0.32	*
Jun															
01-10	19	15.4	1.136	21.499	0.368		0.0	0.0	0.0	0.0	0.0	6.6	0.16	0.31	*
11-20	19	20.6	1.238	28.731	0.421		0.0	0.0	0.0	0.0	0.0	7.0	0.15	0.31	*
21-30	19	19.8	0.724	47.263	0.421		0.0	0.0	0.0	0.0	0.0	2.7	0.15	0.31	*
Jul															
01-10	18	10.9	0.883	24.676	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.32	*
11-20	18	6.1	0.667	27.474	0.667		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.32	*
21-31	19	13.5	0.666	38.570	0.474		0.0	0.0	0.0	0.0	0.0	0.4	0.15	0.31	*
Ago															
01-10	19	15.5	0.877	37.391	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.31	*
11-20	19	12.3	0.777	50.101	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.31	*
21-31	18	22.6	2.230	18.229	0.444		0.0	0.0	0.0	0.0	0.0	11.9	0.28	0.32	*
Set															
01-10	18	31.8	1.262	41.191	0.389		0.0	0.0	0.0	0.0	0.0	13.7	0.20	0.32	*
11-20	18	21.9	1.016	38.751	0.444		0.0	0.0	0.0	0.0	0.0	4.3	0.20	0.32	*
21-30	18	46.8	0.553	117.150	0.278		0.0	0.0	0.0	0.0	0.8	12.0	0.16	0.32	*
Out															
01-10	17	16.7	1.563	13.954	0.235		0.0	0.0	0.0	1.4	5.2	12.0	0.11	0.33	*
11-20	17	37.7	0.846	54.135	0.176		0.0	0.0	0.8	3.0	7.5	20.4	0.18	0.33	*
21-31	18	50.4	0.804	70.585	0.111		0.0	0.0	3.8	6.8	12.5	28.7	0.12	0.32	*
Nov															
01-10	17	44.4	1.786	28.158	0.118		0.0	0.0	11.4	15.7	22.1	35.9	0.13	0.33	*
11-20	17	46.2	0.662	91.180	0.235		0.0	0.0	0.0	0.2	3.4	17.6	0.19	0.33	*
21-30	18	39.8	1.706	29.986	0.222		0.0	0.0	0.0	5.9	14.5	30.2	0.25	0.32	*
Dez															
01-10	17	53.6	1.310	46.393	0.118		0.0	0.0	9.3	14.0	21.4	39.0	0.13	0.33	*
11-20	18	52.5	1.336	41.574	0.056		2.1	5.1	13.3	17.3	23.8	39.5	0.09	0.32	*
21-31	17	50.5	2.220	25.776	0.118		0.0	0.0	16.1	21.1	28.3	43.3	0.11	0.33	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 117. Precipitação pluviométrica decendial esperada (mm) na estação Xavantina do Sul (2152005), Município de Santa Rita do Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°17'42" S, 52°48'37" W, 433 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	29	67.5	3.388	19.939	0.000	20.4	23.2	26.8	36.4	40.6	47.1	61.0	0.12	0.25	*
11-20	29	62.8	1.585	41.043	0.034	3.9	6.8	10.3	20.2	24.9	32.4	50.0	0.08	0.25	*
21-31	29	74.6	1.695	45.564	0.034	5.4	9.0	13.4	25.4	30.9	39.8	60.4	0.08	0.25	*
Fev															
01-10	29	58.7	2.328	26.129	0.034	7.5	11.1	15.1	25.0	29.3	36.0	50.7	0.13	0.25	*
11-20	29	57.5	2.291	26.964	0.069	0.0	2.2	10.5	22.4	27.1	34.3	49.7	0.06	0.25	*
21-28	29	43.6	1.213	37.230	0.034	1.4	2.8	4.7	10.8	13.9	19.1	32.0	0.11	0.25	*
Mar															
01-10	29	58.5	1.349	43.337	0.000	5.7	7.4	9.9	17.9	21.9	28.6	44.8	0.09	0.25	*
11-20	29	57.3	1.010	60.921	0.069	0.0	0.1	2.1	9.5	13.5	20.4	38.4	0.07	0.25	*
21-31	29	41.9	1.357	37.322	0.172	0.0	0.0	0.0	3.6	8.2	14.9	29.9	0.08	0.25	*
Abr															
01-10	29	30.7	1.340	28.913	0.207	0.0	0.0	0.0	0.0	4.0	9.4	21.2	0.09	0.25	*
11-20	29	30.0	1.283	26.078	0.103	0.0	0.0	0.0	5.6	8.1	12.2	21.8	0.06	0.25	*
21-30	29	24.4	0.669	48.133	0.241	0.0	0.0	0.0	0.0	0.1	1.7	9.3	0.12	0.25	*
Mai															
01-10	29	24.3	0.897	39.292	0.310	0.0	0.0	0.0	0.0	0.0	0.7	10.2	0.13	0.25	*
11-20	29	31.3	1.518	28.500	0.276	0.0	0.0	0.0	0.0	0.0	6.9	21.3	0.17	0.25	*
21-31	30	40.9	1.489	30.482	0.100	0.0	0.0	0.0	9.5	13.0	18.6	31.4	0.12	0.25	*
Jun															
01-10	30	21.5	0.993	29.465	0.267	0.0	0.0	0.0	0.0	0.0	2.6	11.2	0.08	0.25	*
11-20	30	15.1	0.928	30.421	0.467	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.16	0.25	*
21-30	30	11.7	0.816	20.459	0.300	0.0	0.0	0.0	0.0	0.0	0.4	4.6	0.13	0.25	*
Jul															
01-10	30	13.0	0.758	27.101	0.367	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.10	0.25	*
11-20	30	8.2	1.452	12.984	0.567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.25	*
21-31	30	13.7	0.683	33.480	0.400	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.09	0.25	*
Ago															
01-10	29	12.3	0.940	25.274	0.483	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.13	0.25	*
11-20	29	9.8	0.740	27.370	0.517	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.25	*
21-31	29	12.6	1.219	24.886	0.586	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.25	*
Set															
01-10	29	31.2	1.392	29.519	0.241	0.0	0.0	0.0	0.0	1.4	8.2	21.1	0.16	0.25	*
11-20	29	24.2	1.090	25.715	0.138	0.0	0.0	0.0	2.5	4.5	7.7	16.0	0.10	0.25	*
21-30	29	30.8	1.341	25.594	0.103	0.0	0.0	0.0	6.1	8.7	12.9	22.8	0.06	0.25	*
Out															
01-10	29	34.6	1.236	28.998	0.034	1.1	2.3	3.8	8.7	11.2	15.4	25.6	0.06	0.25	*
11-20	29	44.6	1.659	28.862	0.069	0.0	0.6	5.1	13.4	17.0	22.7	35.7	0.08	0.25	*
21-31	29	44.1	1.222	38.783	0.069	0.0	0.2	2.7	9.5	12.8	18.4	32.0	0.12	0.25	*
Nov															
01-10	29	37.8	1.663	23.513	0.034	2.6	4.4	6.6	12.6	15.5	20.0	30.4	0.16	0.25	*
11-20	29	55.5	2.259	27.388	0.103	0.0	0.0	0.0	19.1	24.3	31.8	47.7	0.08	0.25	*
21-30	29	45.4	1.560	30.165	0.034	2.7	4.8	7.3	14.4	17.8	23.2	36.0	0.13	0.25	*
Dez															
01-10	29	49.5	2.431	21.067	0.034	6.7	9.8	13.2	21.6	25.2	30.8	43.1	0.06	0.25	*
11-20	29	74.4	1.341	55.470	0.000	7.2	9.4	12.5	22.6	27.7	36.2	56.9	0.11	0.25	*
21-31	29	68.8	1.500	45.867	0.000	8.1	10.3	13.4	23.1	27.8	35.6	54.3	0.12	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 118. Precipitação pluviométrica decendial esperada (mm) na estação Fazenda Mimosinho (2152016), Município de Santa Rita do Pardo, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°06'00" S, 52°58'60" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	16	74.5	2.502	31.761	0.063		8.0	16.4	31.3	37.3	46.2	65.4	0.12	0.34	*
11-20	16	65.9	4.033	16.331	0.000		25.4	28.9	37.9	41.8	47.8	60.5	0.12	0.34	*
21-31	16	76.7	2.252	34.068	0.000		18.7	22.7	34.0	39.1	47.3	65.7	0.14	0.34	*
Fev															
01-10	16	72.0	1.353	56.773	0.063		1.9	6.3	18.0	23.5	32.6	54.3	0.13	0.34	*
11-20	16	50.2	2.794	17.956	0.000		14.9	17.6	24.8	28.1	33.2	44.3	0.11	0.34	*
21-28	16	41.4	1.549	26.738	0.000		6.5	8.4	14.2	17.1	21.8	32.9	0.14	0.34	*
Mar															
01-10	17	43.6	1.358	34.100	0.059		1.5	4.1	11.1	14.5	19.9	33.0	0.12	0.33	*
11-20	17	50.8	1.729	29.371	0.000		9.2	11.6	19.0	22.5	28.2	41.4	0.06	0.33	*
21-31	17	36.6	1.724	25.754	0.176		0.0	0.0	4.5	9.4	15.7	28.7	0.10	0.33	*
Abr															
01-10	17	33.3	2.223	19.576	0.235		0.0	0.0	0.0	5.4	14.4	27.7	0.17	0.33	*
11-20	16	35.6	1.237	32.845	0.125		0.0	0.0	5.3	8.4	13.3	25.2	0.10	0.34	*
21-30	16	14.9	0.736	29.360	0.313		0.0	0.0	0.0	0.0	0.2	4.9	0.17	0.34	*
Mai															
01-10	16	19.3	1.159	24.176	0.313		0.0	0.0	0.0	0.0	1.1	10.2	0.10	0.34	*
11-20	16	22.8	1.263	26.234	0.313		0.0	0.0	0.0	0.0	1.6	12.8	0.18	0.34	*
21-31	16	32.0	1.612	26.462	0.250		0.0	0.0	0.0	0.0	9.5	23.1	0.20	0.34	*
Jun															
01-10	16	21.1	0.671	55.995	0.438		0.0	0.0	0.0	0.0	0.0	1.9	0.16	0.34	*
11-20	16	24.4	0.844	51.316	0.438		0.0	0.0	0.0	0.0	0.0	3.7	0.20	0.34	*
21-30	16	13.9	0.790	35.113	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.34	*
Jul															
01-10	16	9.9	0.979	20.123	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.34	*
11-20	17	4.4	0.799	15.702	0.647		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.33	*
21-31	18	12.4	0.503	40.464	0.389		0.0	0.0	0.0	0.0	0.0	1.1	0.11	0.32	*
Ago															
01-10	17	13.7	0.812	28.638	0.412		0.0	0.0	0.0	0.0	0.0	2.7	0.22	0.33	*
11-20	17	7.8	1.815	18.211	0.765		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.33	*
21-31	17	16.8	1.880	19.021	0.529		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.33	*
Set															
01-10	17	38.1	1.027	57.376	0.353		0.0	0.0	0.0	0.0	0.0	15.6	0.22	0.33	*
11-20	16	8.4	2.591	4.296	0.250		0.0	0.0	0.0	0.0	3.8	7.2	0.11	0.34	*
21-30	16	26.2	1.091	25.621	0.063		0.3	1.4	5.0	6.9	10.1	18.2	0.10	0.34	*
Out															
01-10	16	15.8	0.884	19.076	0.063		0.1	0.5	2.2	3.2	5.0	10.0	0.16	0.34	*
11-20	16	34.8	0.911	50.876	0.250		0.0	0.0	0.0	0.0	4.4	17.4	0.18	0.34	*
21-31	17	57.2	2.174	26.316	0.000		13.5	16.4	24.8	28.7	34.8	48.7	0.12	0.33	*
Nov															
01-10	17	33.7	4.171	8.586	0.059		8.1	12.1	18.6	21.0	24.5	31.7	0.12	0.33	*
11-20	17	43.9	2.712	21.154	0.235		0.0	0.0	0.0	9.4	21.8	38.8	0.20	0.33	*
21-30	17	47.8	1.325	43.803	0.176		0.0	0.0	3.5	8.8	16.4	33.7	0.10	0.33	*
Dez															
01-10	17	73.9	1.449	51.022	0.000		10.5	13.8	24.1	29.2	37.6	57.8	0.17	0.33	*
11-20	16	44.8	1.978	24.175	0.063		3.1	7.4	16.0	19.6	25.2	37.5	0.12	0.34	*
21-31	16	56.7	2.356	25.646	0.063		5.5	11.7	22.9	27.4	34.3	49.2	0.15	0.34	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 119. Precipitação pluviométrica decendial esperada (mm) na estação São Gabriel do Oeste (1954007), Município de São Gabriel do Oeste, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°24'46" S, 54°29'26" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	11	81.8	3.085	29.147	0.091			13.6	36.5	43.6	53.8	74.6	0.15	0.41	*
11-20	13	56.9	1.157	58.122	0.154			0.0	5.2	10.3	18.4	38.3	0.12	0.38	*
21-31	12	96.1	0.967	132.463	0.250			0.0	0.0	0.0	13.6	50.6	0.23	0.40	*
Fev															
01-10	11	60.0	1.524	43.291	0.091			2.6	15.0	20.1	28.2	46.6	0.19	0.41	*
11-20	12	46.0	1.506	40.767	0.250			0.0	0.0	0.0	12.6	32.1	0.26	0.40	*
21-28	14	42.2	1.386	35.522	0.143			0.0	6.3	10.4	16.7	31.0	0.15	0.37	*
Mar															
01-10	13	38.8	1.294	38.960	0.231			0.0	0.0	2.6	10.0	25.6	0.18	0.38	*
11-20	13	50.0	1.294	38.660	0.000			8.0	14.7	18.1	23.9	37.9	0.15	0.38	*
21-31	13	59.3	1.879	51.292	0.385			0.0	0.0	0.0	0.0	36.5	0.28	0.38	*
Abr															
01-10	15	41.7	1.001	52.015	0.200		0.0	0.0	0.0	3.4	9.2	24.5	0.12	0.35	*
11-20	15	46.2	2.597	22.222	0.200		0.0	0.0	0.0	15.2	24.6	40.7	0.22	0.35	*
21-30	15	23.6	1.638	24.039	0.400		0.0	0.0	0.0	0.0	0.0	12.3	0.22	0.35	*
Mai															
01-10	12	10.5	1.353	15.508	0.500			0.0	0.0	0.0	0.0	0.0	0.17	0.40	*
11-20	13	30.8	1.041	48.001	0.385			0.0	0.0	0.0	0.0	10.9	0.22	0.38	*
21-31	13	22.7	0.860	49.093	0.462			0.0	0.0	0.0	0.0	2.2	0.23	0.38	*
Jun															
01-10	11	18.7	1.613	25.572	0.545			0.0	0.0	0.0	0.0	0.0	0.22	0.41	*
11-20	12	10.1	0.614	65.526	0.750			0.0	0.0	0.0	0.0	0.0	0.15	0.40	*
21-30	11	5.7	0.628	33.569	0.727			0.0	0.0	0.0	0.0	0.0	0.22	0.41	*
Jul															
01-10	12	6.2	1.278	14.636	0.667			0.0	0.0	0.0	0.0	0.0	0.14	0.40	*
11-20	13	5.5	3.729	6.410	0.769			0.0	0.0	0.0	0.0	0.0	0.17	0.38	*
21-31	13	5.6	18.100	2.017	0.846			0.0	0.0	0.0	0.0	0.0	0.19	0.38	*
Ago															
01-10	14	11.5	3.060	8.748	0.571			0.0	0.0	0.0	0.0	0.0	0.22	0.37	*
11-20	16	9.0	0.841	42.946	0.750		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.34	*
21-31	16	16.1	2.465	17.450	0.625		0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.34	*
Set															
01-10	16	18.5	0.702	46.741	0.438		0.0	0.0	0.0	0.0	0.0	1.8	0.17	0.34	*
11-20	16	9.6	0.819	23.451	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.34	*
21-30	16	18.5	2.648	11.180	0.375		0.0	0.0	0.0	0.0	0.0	14.3	0.17	0.34	*
Out															
01-10	16	38.1	0.601	84.484	0.250		0.0	0.0	0.0	0.0	1.7	12.3	0.18	0.34	*
11-20	16	33.0	1.307	28.867	0.125		0.0	0.0	5.4	8.3	13.0	23.9	0.14	0.34	*
21-31	16	51.5	0.903	76.035	0.250		0.0	0.0	0.0	0.0	6.4	25.6	0.15	0.34	*
Nov															
01-10	16	49.2	1.114	44.118	0.000		4.5	6.3	12.4	15.7	21.3	35.5	0.14	0.34	*
11-20	14	52.2	0.944	64.469	0.143			0.0	3.7	7.4	14.0	31.7	0.15	0.37	*
21-30	16	39.1	0.989	52.649	0.250		0.0	0.0	0.0	0.0	5.8	20.9	0.25	0.34	*
Dez															
01-10	15	74.0	2.919	29.267	0.133		0.0	0.0	27.4	35.4	46.2	67.2	0.12	0.35	*
11-20	15	61.9	2.217	34.886	0.200		0.0	0.0	0.0	17.5	29.9	52.2	0.19	0.35	*
21-31	13	53.0	0.848	81.228	0.231			0.0	0.0	1.0	7.1	26.1	0.25	0.38	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 120. Precipitação pluviométrica decendial esperada (mm) na estação Selvíria (2051045), Município de Selvíria, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°21'45" S, 51°25'39" W, 424 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	77.1	1.411	54.618	0.000		10.5	13.9	24.5	29.8	38.6	59.8	0.08	0.31	*
11-20	21	61.5	1.519	42.522	0.048	1.0	4.6	8.3	18.3	23.0	30.6	48.3	0.13	0.30	*
21-31	22	87.6	3.333	26.282	0.000	26.1	29.8	34.4	46.9	52.4	60.8	79.0	0.12	0.29	*
Fev															
01-10	22	82.6	2.203	37.514	0.000	16.5	19.7	24.0	36.1	41.7	50.6	70.5	0.11	0.29	*
11-20	22	67.2	1.347	52.287	0.045	1.1	4.1	7.6	17.9	22.9	31.1	51.0	0.16	0.29	*
21-28	22	44.6	1.299	37.781	0.091	0.0	0.0	1.2	9.2	12.8	18.7	32.8	0.13	0.29	*
Mar															
01-10	23	63.0	1.127	58.490	0.043	0.7	2.6	5.2	13.8	18.2	25.8	44.9	0.12	0.29	*
11-20	23	49.5	3.343	14.817	0.000	14.8	16.9	19.5	26.5	29.6	34.4	44.7	0.11	0.29	*
21-31	23	44.1	1.858	27.285	0.130	0.0	0.0	0.0	10.9	15.4	22.0	36.0	0.14	0.29	*
Abr															
01-10	23	23.7	1.446	23.570	0.304	0.0	0.0	0.0	0.0	0.0	3.0	14.9	0.24	0.29	*
11-20	23	36.7	1.299	36.129	0.217	0.0	0.0	0.0	0.0	3.7	10.3	24.6	0.11	0.29	*
21-30	23	18.7	1.169	28.303	0.435	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.17	0.29	*
Mai															
01-10	23	15.5	1.277	16.388	0.261	0.0	0.0	0.0	0.0	0.0	3.1	9.7	0.09	0.29	*
11-20	23	20.4	1.574	21.306	0.391	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.19	0.29	*
21-31	23	25.0	1.061	30.081	0.217	0.0	0.0	0.0	0.0	1.6	5.4	14.9	0.13	0.29	*
Jun															
01-10	23	11.8	0.966	35.078	0.652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29	*
11-20	23	6.2	1.069	13.409	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.29	*
21-30	23	7.1	9.714	1.876	0.609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	*
Jul															
01-10	23	1.3	1.149	5.012	0.783	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.29	*
11-20	22	8.0	2.355	9.316	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
21-31	23	5.0	0.978	11.805	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
Ago															
01-10	22	4.2	0.948	16.357	0.727	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29	*
11-20	22	6.4	1.291	15.654	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.29	*
21-31	22	14.8	2.959	13.789	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
Set															
01-10	22	22.9	1.161	27.098	0.273	0.0	0.0	0.0	0.0	0.0	3.4	13.2	0.10	0.29	*
11-20	22	19.9	1.006	25.615	0.227	0.0	0.0	0.0	0.0	0.8	3.7	11.3	0.12	0.29	*
21-30	22	22.2	0.974	26.409	0.136	0.0	0.0	0.0	1.9	3.5	6.3	13.9	0.11	0.29	*
Out															
01-10	22	25.2	2.035	12.969	0.045	1.4	3.3	5.2	9.6	11.5	14.5	21.2	0.17	0.29	*
11-20	22	27.8	1.188	25.771	0.091	0.0	0.0	0.6	5.1	7.3	10.9	19.8	0.08	0.29	*
21-31	21	37.8	1.394	31.653	0.143	0.0	0.0	0.0	5.7	9.4	15.0	27.9	0.18	0.30	*
Nov															
01-10	21	37.4	0.743	50.302	0.000	0.8	1.3	2.1	5.5	7.5	11.4	22.5	0.13	0.30	*
11-20	20	49.0	1.162	46.820	0.100		0.0	0.0	8.2	12.0	18.5	34.3	0.18	0.31	*
21-30	21	37.7	0.933	40.451	0.000	1.6	2.3	3.5	7.7	10.1	14.3	25.4	0.16	0.30	*
Dez															
01-10	21	51.7	1.788	30.381	0.048	1.4	5.3	8.8	17.7	21.7	28.0	42.4	0.13	0.30	*
11-20	21	58.1	1.296	44.880	0.000	5.3	6.9	9.3	17.1	21.1	27.8	44.1	0.13	0.30	*
21-31	21	61.8	1.442	42.864	0.000	6.8	8.7	11.4	20.0	24.3	31.3	48.2	0.13	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 121. Precipitação pluviométrica decendial esperada (mm) na estação Sidrolândia (2054002), Município de Sidrolândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°55'60" S, 54°58'00" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	12	62.8	1.994	34.361	0.083			7.0	21.1	26.5	34.7	52.6	0.15	0.40	*
11-20	12	56.2	1.245	49.268	0.083			2.2	11.5	15.9	23.2	40.9	0.18	0.40	*
21-31	12	66.4	2.082	31.898	0.000			18.3	28.1	32.6	39.8	56.1	0.13	0.40	*
Fev															
01-10	12	59.0	1.504	42.770	0.083			3.7	15.1	20.0	27.8	45.8	0.14	0.40	*
11-20	12	56.7	8.602	7.912	0.167			0.0	33.3	40.5	47.9	59.9	0.15	0.40	*
21-28	12	26.8	1.623	19.783	0.167			0.0	3.7	6.9	11.3	20.6	0.14	0.40	*
Mar															
01-10	12	39.9	3.651	11.913	0.083			9.8	19.9	23.1	27.8	37.2	0.16	0.40	*
11-20	12	51.8	2.497	20.726	0.000			16.7	24.2	27.7	33.1	45.0	0.15	0.40	*
21-31	12	44.3	0.635	76.020	0.083			0.1	2.6	4.5	8.7	22.0	0.14	0.40	*
Abr															
01-10	12	22.8	1.323	20.678	0.167			0.0	2.2	4.5	8.1	16.2	0.12	0.40	*
11-20	11	23.3	1.930	16.623	0.273			0.0	0.0	0.0	7.1	17.9	0.16	0.41	*
21-30	11	33.6	1.105	47.812	0.364			0.0	0.0	0.0	0.0	14.2	0.21	0.41	*
Mai															
01-10	11	33.9	2.488	21.431	0.364			0.0	0.0	0.0	0.0	25.9	0.29	0.41	*
11-20	12	43.9	1.286	40.980	0.167			0.0	3.9	8.4	15.1	30.7	0.14	0.40	*
21-31	11	29.9	0.829	39.741	0.091			0.1	3.0	4.8	8.2	17.8	0.18	0.41	*
Jun															
01-10	10	25.4	1.841	17.239	0.200				0.0	5.8	10.7	20.1	0.14	0.43	*
11-20	12	31.4	0.947	56.888	0.417			0.0	0.0	0.0	0.0	7.6	0.25	0.40	*
21-30	12	21.2	0.556	57.272	0.333			0.0	0.0	0.0	0.0	4.0	0.16	0.40	*
Jul															
01-10	11	18.5	0.862	39.242	0.455			0.0	0.0	0.0	0.0	2.1	0.17	0.41	*
11-20	10	7.6	0.670	22.651	0.500				0.0	0.0	0.0	0.0	0.21	0.43	*
21-31	10	16.3	0.516	79.190	0.600				0.0	0.0	0.0	0.0	0.28	0.43	*
Ago															
01-10	11	7.3	2.260	7.123	0.545			0.0	0.0	0.0	0.0	0.0	0.15	0.41	*
11-20	12	7.6	0.685	19.137	0.417			0.0	0.0	0.0	0.0	1.0	0.14	0.40	*
21-31	13	28.8	1.128	47.485	0.462			0.0	0.0	0.0	0.0	5.1	0.23	0.38	*
Set															
01-10	13	42.7	1.696	29.728	0.154			0.0	7.6	12.4	19.1	33.6	0.16	0.38	*
11-20	12	31.2	1.781	20.987	0.167			0.0	5.0	8.9	14.1	24.8	0.16	0.40	*
21-30	12	28.9	1.766	16.362	0.000			6.8	11.0	13.0	16.2	23.7	0.12	0.40	*
Out															
01-10	12	42.2	1.296	32.513	0.000			6.8	12.4	15.3	20.1	31.9	0.16	0.40	*
11-20	12	39.3	1.991	19.722	0.000			10.4	16.1	18.8	23.1	32.9	0.11	0.40	*
21-31	12	34.9	1.776	21.433	0.083			3.1	10.6	13.5	18.1	28.4	0.12	0.40	*
Nov															
01-10	12	68.4	1.839	40.585	0.083			6.6	21.4	27.2	36.2	56.2	0.15	0.40	*
11-20	12	47.5	5.239	10.880	0.167			0.0	21.7	28.3	35.5	47.6	0.16	0.40	*
21-30	12	52.7	1.540	37.355	0.083			3.5	13.8	18.2	25.2	41.2	0.19	0.40	*
Dez															
01-10	12	56.2	1.676	33.562	0.000			12.5	20.5	24.4	30.7	45.5	0.14	0.40	*
11-20	12	56.4	2.596	23.695	0.083			9.3	23.0	27.9	35.0	49.9	0.16	0.40	*
21-31	12	52.6	4.871	12.949	0.167			0.0	22.9	30.3	38.4	52.1	0.17	0.40	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 122. Precipitação pluviométrica decendial esperada (mm) na estação Sidrolândia (2054021), Município de Sidrolândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°57'07" S, 54°58'44" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	65.3	1.384	47.195	0.000	6.7	8.6	11.5	20.4	24.9	32.4	50.4	0.10	0.30	*
11-20	20	54.5	1.717	33.389	0.050		4.8	8.6	17.9	22.2	28.8	44.2	0.09	0.31	*
21-31	21	55.6	2.640	22.095	0.048	4.0	10.1	14.7	24.9	29.1	35.4	49.1	0.09	0.30	*
Fev															
01-10	20	49.4	1.685	29.334	0.000		8.7	11.0	18.1	21.6	27.1	40.1	0.16	0.31	*
11-20	20	45.0	2.440	18.455	0.000		11.9	14.2	20.8	23.8	28.5	39.1	0.13	0.31	*
21-28	20	66.7	1.645	40.551	0.000		11.3	14.5	24.0	28.6	36.1	53.8	0.14	0.31	*
Mar															
01-10	20	66.2	1.225	60.066	0.100		0.0	0.0	11.9	17.3	26.1	47.4	0.13	0.31	*
11-20	20	50.1	1.652	30.350	0.000		8.6	10.9	18.1	21.6	27.2	40.5	0.10	0.31	*
21-31	19	60.1	2.384	36.840	0.316		0.0	0.0	0.0	0.0	12.6	48.2	0.23	0.31	*
Abr															
01-10	20	30.2	1.340	30.086	0.250		0.0	0.0	0.0	0.0	7.1	19.8	0.15	0.31	*
11-20	20	45.4	1.463	36.515	0.150		0.0	0.0	6.8	11.4	18.4	33.9	0.14	0.31	*
21-30	21	27.6	3.145	15.361	0.429	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.28	0.30	*
Mai															
01-10	21	42.7	1.199	46.792	0.238	0.0	0.0	0.0	0.0	1.6	9.5	26.7	0.14	0.30	*
11-20	21	35.6	1.314	37.973	0.286	0.0	0.0	0.0	0.0	0.0	5.5	21.8	0.18	0.30	*
21-31	21	31.9	3.228	14.825	0.333	0.0	0.0	0.0	0.0	0.0	0.0	28.3	0.24	0.30	*
Jun															
01-10	22	17.4	1.141	25.833	0.409	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.13	0.29	*
11-20	22	20.7	1.067	42.736	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
21-30	22	11.4	1.452	14.401	0.455	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.13	0.29	*
Jul															
01-10	22	11.5	1.473	14.304	0.455	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.13	0.29	*
11-20	22	5.7	1.241	14.493	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
21-31	22	14.1	1.231	27.960	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.29	*
Ago															
01-10	21	16.8	0.850	34.685	0.429	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.14	0.30	*
11-20	21	7.9	1.158	20.412	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.30	*
21-31	21	19.8	0.933	44.653	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.30	*
Set															
01-10	21	33.2	1.157	43.093	0.333	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.22	0.30	*
11-20	21	19.9	1.822	15.315	0.286	0.0	0.0	0.0	0.0	0.0	5.0	14.7	0.14	0.30	*
21-30	21	28.8	1.225	32.881	0.286	0.0	0.0	0.0	0.0	0.0	3.9	16.8	0.17	0.30	*
Out															
01-10	21	26.1	1.258	25.622	0.190	0.0	0.0	0.0	0.8	3.8	8.0	17.7	0.13	0.30	*
11-20	21	34.2	2.131	18.748	0.143	0.0	0.0	0.0	9.0	12.8	18.1	28.9	0.11	0.30	*
21-31	21	39.0	3.487	13.816	0.190	0.0	0.0	0.0	9.0	17.2	24.5	36.8	0.16	0.30	*
Nov															
01-10	21	52.2	1.679	34.340	0.095	0.0	0.0	2.0	14.2	18.8	25.8	41.7	0.08	0.30	*
11-20	20	57.6	2.623	25.842	0.150		0.0	0.0	17.6	24.6	33.6	51.2	0.16	0.31	*
21-30	21	45.5	5.571	8.570	0.048	9.8	16.4	20.5	28.2	31.1	35.3	43.7	0.10	0.30	*
Dez															
01-10	21	85.0	1.706	52.345	0.048	2.1	7.9	13.6	28.0	34.6	45.0	68.9	0.09	0.30	*
11-20	21	63.1	1.816	34.732	0.000	9.9	12.2	15.3	24.4	28.8	35.8	52.0	0.19	0.30	*
21-31	21	71.7	2.065	36.449	0.048	3.0	9.3	14.7	27.4	33.0	41.5	60.6	0.08	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 123. Precipitação pluviométrica decendial esperada (mm) na estação Capão Bonito (2154007), Município de Sidrolândia, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 21°10'53" S, 54°44'38" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	59.9	1.714	34.952	0.000	8.6	10.7	13.6	22.2	26.4	33.1	48.7	0.11	0.30	*
11-20	21	38.0	1.289	32.567	0.095	0.0	0.0	0.6	7.6	10.7	15.7	27.8	0.12	0.30	*
21-31	21	59.6	1.263	47.182	0.000	5.1	6.8	9.2	17.1	21.2	28.0	44.8	0.13	0.30	*
Fev															
01-10	21	52.0	1.729	31.563	0.048	1.3	5.0	8.5	17.3	21.3	27.7	42.2	0.06	0.30	*
11-20	21	50.6	0.859	58.857	0.000	1.7	2.6	3.9	9.2	12.3	17.8	32.8	0.09	0.30	*
21-28	21	48.1	1.491	33.856	0.048	0.7	3.4	6.3	14.1	17.7	23.6	37.6	0.09	0.30	*
Mar															
01-10	21	47.3	1.076	46.186	0.048	0.2	1.5	3.3	9.6	12.9	18.6	33.0	0.13	0.30	*
11-20	21	33.9	1.657	20.429	0.000	4.6	5.8	7.4	12.3	14.6	18.4	27.3	0.13	0.30	*
21-31	21	34.9	0.774	52.631	0.143	0.0	0.0	0.0	1.5	3.4	7.2	18.6	0.13	0.30	*
Abr															
01-10	21	29.5	1.352	25.423	0.143	0.0	0.0	0.0	4.2	7.0	11.4	21.4	0.12	0.30	*
11-20	21	36.2	0.730	52.104	0.048	0.0	0.3	0.9	3.9	5.9	9.7	20.7	0.08	0.30	*
21-30	21	31.3	0.935	43.944	0.238	0.0	0.0	0.0	0.0	0.5	4.7	16.4	0.17	0.30	*
Mai															
01-10	22	28.2	0.702	58.820	0.318	0.0	0.0	0.0	0.0	0.0	0.2	8.5	0.13	0.29	*
11-20	22	34.0	1.095	40.174	0.227	0.0	0.0	0.0	0.0	1.7	7.2	20.4	0.13	0.29	*
21-31	22	27.0	1.397	25.017	0.227	0.0	0.0	0.0	0.0	2.4	7.8	18.6	0.20	0.29	*
Jun															
01-10	22	21.0	0.907	28.250	0.182	0.0	0.0	0.0	0.4	1.8	4.5	11.8	0.10	0.29	*
11-20	22	16.4	0.911	33.066	0.455	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.19	0.29	*
21-30	22	15.6	1.654	17.281	0.455	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.19	0.29	*
Jul															
01-10	22	10.7	2.123	12.302	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.29	*
11-20	22	8.7	1.125	24.237	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.29	*
21-31	22	14.6	0.765	52.567	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29	*
Ago															
01-10	21	17.9	1.086	26.581	0.381	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.17	0.30	*
11-20	21	7.2	3.361	7.548	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.30	*
21-31	20	17.5	1.738	22.364	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.31	*
Set															
01-10	21	35.5	2.122	27.001	0.381	0.0	0.0	0.0	0.0	0.0	0.0	23.9	0.21	0.30	*
11-20	21	20.8	1.269	26.477	0.381	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.24	0.30	*
21-30	21	42.7	1.694	29.383	0.143	0.0	0.0	0.0	8.5	13.0	19.6	33.7	0.10	0.30	*
Out															
01-10	21	33.7	1.594	26.131	0.190	0.0	0.0	0.0	2.1	7.0	13.0	25.4	0.10	0.30	*
11-20	21	36.6	1.343	33.678	0.190	0.0	0.0	0.0	1.4	5.9	12.1	25.7	0.08	0.30	*
21-31	21	46.8	3.742	13.132	0.048	6.2	12.4	16.6	25.0	28.3	33.2	43.4	0.06	0.30	*
Nov															
01-10	21	51.1	2.067	30.531	0.190	0.0	0.0	0.0	5.4	14.5	24.1	42.3	0.17	0.30	*
11-20	21	53.2	1.525	40.681	0.143	0.0	0.0	0.0	9.2	14.6	22.6	40.5	0.10	0.30	*
21-30	21	49.5	1.303	39.908	0.048	0.5	2.6	5.1	12.6	16.3	22.4	37.1	0.15	0.30	*
Dez															
01-10	21	54.9	1.125	53.905	0.095	0.0	0.0	0.5	9.0	13.2	20.3	38.0	0.09	0.30	*
11-20	21	59.7	1.406	42.475	0.000	6.3	8.1	10.7	18.9	23.1	29.9	46.3	0.10	0.30	*
21-31	21	47.9	1.260	42.055	0.095	0.0	0.0	0.7	9.3	13.2	19.5	34.8	0.14	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 124. Precipitação pluviométrica decendial esperada (mm) na estação Tacuru (2355003), Município de Tacuru, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 23°38'23" S, 55°01'11" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	40.8	1.420	30.226	0.050		2.4	4.8	11.3	14.4	19.4	31.4	0.15	0.31	*
11-20	20	42.9	1.406	33.901	0.100		0.0	0.0	9.3	13.0	18.8	32.4	0.08	0.31	*
21-31	20	83.3	1.657	52.915	0.050		6.9	12.5	26.6	33.1	43.3	67.0	0.13	0.31	*
Fev															
01-10	20	55.8	1.145	51.334	0.050		1.9	4.3	12.1	16.1	22.9	39.9	0.13	0.31	*
11-20	20	60.0	1.190	50.428	0.000		6.2	8.5	16.3	20.3	27.2	44.3	0.08	0.31	*
21-28	20	41.2	1.838	26.344	0.150		0.0	0.0	8.5	13.2	19.7	33.3	0.10	0.31	*
Mar															
01-10	20	35.4	2.038	18.283	0.050		4.2	7.0	13.3	16.1	20.4	29.9	0.08	0.31	*
11-20	20	46.0	0.846	57.225	0.050		0.6	1.7	6.4	9.3	14.4	28.6	0.09	0.31	*
21-31	20	43.4	2.143	22.479	0.100		0.0	0.0	14.5	18.5	24.3	36.9	0.11	0.31	*
Abr															
01-10	20	37.8	1.174	33.887	0.050		1.4	3.1	8.4	11.2	15.8	27.3	0.07	0.31	*
11-20	20	50.1	1.546	35.985	0.100		0.0	0.0	12.2	16.5	23.4	39.0	0.23	0.31	*
21-30	20	40.3	1.769	28.445	0.200		0.0	0.0	0.0	8.7	16.5	31.5	0.17	0.31	*
Mai															
01-10	21	43.1	1.070	49.733	0.190	0.0	0.0	0.0	0.8	4.7	11.0	26.7	0.13	0.30	*
11-20	21	59.8	1.712	40.723	0.143	0.0	0.0	0.0	12.1	18.5	27.6	47.4	0.14	0.30	*
21-31	21	46.9	0.777	66.638	0.095	0.0	0.0	0.1	3.9	6.6	11.7	26.6	0.18	0.30	*
Jun															
01-10	21	39.4	1.112	41.288	0.143	0.0	0.0	0.0	4.0	7.2	12.7	26.2	0.10	0.30	*
11-20	21	24.5	1.239	27.700	0.286	0.0	0.0	0.0	0.0	0.0	3.4	14.4	0.13	0.30	*
21-30	21	31.2	1.207	36.196	0.286	0.0	0.0	0.0	0.0	0.0	4.1	18.0	0.21	0.30	*
Jul															
01-10	20	16.6	1.694	13.995	0.300		0.0	0.0	0.0	0.0	3.0	11.5	0.13	0.31	*
11-20	20	16.9	1.012	33.494	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.31	*
21-31	20	9.1	6.112	2.707	0.450		0.0	0.0	0.0	0.0	0.0	8.5	0.18	0.31	*
Ago															
01-10	20	20.4	1.020	30.821	0.350		0.0	0.0	0.0	0.0	0.0	8.4	0.16	0.31	*
11-20	20	22.1	0.755	58.426	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
21-31	20	21.2	0.709	59.808	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.31	*
Set															
01-10	20	40.9	1.124	52.043	0.300		0.0	0.0	0.0	0.0	3.4	21.7	0.16	0.31	*
11-20	20	29.6	1.231	24.071	0.000		3.2	4.4	8.3	10.3	13.7	22.1	0.12	0.31	*
21-30	20	50.9	1.096	48.882	0.050		1.5	3.6	10.4	14.0	20.2	35.8	0.16	0.31	*
Out															
01-10	20	40.3	2.531	15.911	0.000		11.0	13.1	19.0	21.7	25.8	35.1	0.16	0.31	*
11-20	20	57.3	1.268	47.562	0.050		2.6	5.5	14.0	18.3	25.3	42.5	0.15	0.31	*
21-31	20	59.5	1.376	43.235	0.000		7.8	10.4	18.5	22.6	29.4	45.9	0.10	0.31	*
Nov															
01-10	21	58.6	2.108	30.733	0.095	0.0	0.0	3.9	19.7	25.0	32.8	49.7	0.11	0.30	*
11-20	21	47.3	1.787	29.275	0.095	0.0	0.0	2.1	13.7	17.9	24.3	38.5	0.08	0.30	*
21-30	21	55.5	1.298	47.252	0.095	0.0	0.0	0.9	11.2	15.7	23.1	40.7	0.12	0.30	*
Dez															
01-10	20	57.9	2.457	24.788	0.050		9.2	14.0	24.7	29.1	35.9	50.5	0.14	0.31	*
11-20	21	74.8	1.399	53.495	0.000	7.8	10.1	13.3	23.6	28.8	37.3	57.9	0.08	0.30	*
21-31	21	50.1	2.215	23.775	0.048	2.5	7.2	11.1	20.1	24.0	29.9	43.0	0.05	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 125. Precipitação pluviométrica decendial esperada (mm) na estação Jaraguá (2054005), Município de Terenos, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°29'37" S, 54°48'42" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	33	67.6	2.102	33.157	0.030	8.2	11.8	16.1	27.2	32.2	39.9	57.3	0.09	0.24	*
11-20	33	62.5	1.030	64.571	0.061	0.0	0.8	3.1	11.2	15.5	23.1	42.5	0.08	0.24	*
21-31	33	70.3	2.995	26.709	0.121	0.0	0.0	0.0	28.0	35.1	44.8	64.1	0.11	0.24	*
Fev															
01-10	33	67.2	1.669	41.555	0.030	5.4	8.4	12.2	22.8	27.8	35.8	54.3	0.10	0.24	*
11-20	33	65.6	2.262	30.865	0.061	0.0	6.5	13.1	25.9	31.1	39.1	56.5	0.08	0.24	*
21-28	33	58.1	2.155	26.955	0.000	11.3	13.6	16.5	25.1	29.0	35.3	49.4	0.09	0.24	*
Mar															
01-10	33	54.3	2.085	26.023	0.000	10.2	12.2	15.0	23.0	26.7	32.5	45.9	0.14	0.24	*
11-20	33	46.9	1.283	36.539	0.000	4.2	5.5	7.4	13.7	16.9	22.3	35.4	0.10	0.24	*
21-31	33	44.8	1.587	31.044	0.091	0.0	0.0	2.2	11.7	15.6	21.6	35.3	0.07	0.24	*
Abr															
01-10	33	34.1	1.484	28.068	0.182	0.0	0.0	0.0	2.7	7.0	12.8	25.1	0.10	0.24	*
11-20	33	34.0	1.066	42.166	0.242	0.0	0.0	0.0	0.0	0.6	6.1	19.6	0.13	0.24	*
21-30	33	25.4	1.168	31.144	0.303	0.0	0.0	0.0	0.0	0.0	2.1	13.8	0.15	0.24	*
Mai															
01-10	33	30.7	0.938	49.118	0.333	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.16	0.24	*
11-20	33	28.9	1.815	23.856	0.333	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.19	0.24	*
21-31	33	35.1	1.484	32.540	0.273	0.0	0.0	0.0	0.0	0.0	7.8	23.6	0.16	0.24	*
Jun															
01-10	32	17.5	1.235	23.892	0.406	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.14	0.24	*
11-20	32	15.7	1.423	18.535	0.406	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.17	0.24	*
21-30	31	11.8	0.994	20.398	0.419	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.12	0.25	*
Jul															
01-10	33	13.6	0.897	25.048	0.394	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.07	0.24	*
11-20	32	7.4	1.386	14.314	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.24	*
21-31	33	13.3	0.808	38.792	0.576	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.24	*
Ago															
01-10	32	12.9	1.381	24.882	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.24	*
11-20	32	8.6	1.360	18.478	0.656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.24	*
21-31	32	14.8	1.128	27.989	0.531	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.24	*
Set															
01-10	32	29.7	1.076	44.123	0.375	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.17	0.24	*
11-20	32	24.7	1.848	18.613	0.281	0.0	0.0	0.0	0.0	0.0	6.6	18.4	0.14	0.24	*
21-30	32	28.7	1.159	27.300	0.094	0.0	0.0	0.4	5.0	7.2	10.9	20.1	0.06	0.24	*
Out															
01-10	31	37.7	1.059	42.414	0.161	0.0	0.0	0.0	2.4	5.5	10.8	24.0	0.11	0.25	*
11-20	31	46.4	1.918	27.784	0.129	0.0	0.0	0.0	12.0	16.8	23.6	38.3	0.14	0.25	*
21-31	30	56.6	1.446	39.122	0.000	6.2	8.0	10.5	18.4	22.3	28.7	44.2	0.09	0.25	*
Nov															
01-10	33	56.4	2.086	29.731	0.091	0.0	0.0	5.0	19.1	24.1	31.6	47.7	0.15	0.24	*
11-20	33	63.1	1.558	43.095	0.061	0.0	2.8	7.4	18.4	23.3	31.3	49.7	0.07	0.24	*
21-30	32	48.3	2.403	21.419	0.063	0.0	4.8	10.2	19.8	23.6	29.4	42.0	0.10	0.24	*
Dez															
01-10	32	63.4	2.422	27.011	0.031	9.3	13.0	17.2	27.8	32.4	39.5	55.1	0.08	0.24	*
11-20	32	63.8	2.131	33.056	0.094	0.0	0.0	4.9	21.8	27.5	36.0	54.3	0.11	0.24	*
21-31	31	82.2	1.753	48.448	0.032	6.8	10.8	15.7	28.9	35.0	44.7	67.1	0.09	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 126. Precipitação pluviométrica decendial esperada (mm) na estação Santa Elisa (2054009), Município de Terenos, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°29'42" S, 54°52'18" W, 829 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	21	79.3	2.333	35.710	0.048	4.4	12.3	18.6	33.0	39.0	48.3	68.7	0.10	0.30	*
11-20	21	62.4	3.304	22.050	0.143	0.0	0.0	0.0	24.1	31.3	40.6	58.0	0.13	0.30	*
21-31	20	75.2	2.058	36.530	0.000		16.7	20.5	31.5	36.7	44.8	63.4	0.10	0.31	*
Fev															
01-10	20	46.4	1.803	27.066	0.050		4.5	7.8	15.9	19.5	25.2	38.0	0.09	0.31	*
11-20	20	52.8	1.514	41.029	0.150		0.0	0.0	8.3	13.8	22.0	40.0	0.15	0.31	*
21-28	20	46.7	1.546	33.567	0.100		0.0	0.0	11.3	15.4	21.8	36.4	0.16	0.31	*
Mar															
01-10	20	45.9	1.465	32.975	0.050		2.9	5.7	13.1	16.6	22.2	35.6	0.09	0.31	*
11-20	20	45.3	1.600	31.465	0.100		0.0	0.0	11.4	15.4	21.6	35.7	0.09	0.31	*
21-31	19	53.9	3.206	21.293	0.211		0.0	0.0	0.0	19.7	31.5	49.9	0.18	0.31	*
Abr															
01-10	20	31.5	2.520	15.608	0.200		0.0	0.0	0.0	10.1	16.5	27.5	0.11	0.31	*
11-20	20	36.0	1.723	27.872	0.250		0.0	0.0	0.0	0.0	11.5	26.8	0.17	0.31	*
21-30	20	34.0	1.451	36.035	0.350		0.0	0.0	0.0	0.0	0.0	19.3	0.19	0.31	*
Mai															
01-10	20	14.1	0.793	32.332	0.450		0.0	0.0	0.0	0.0	0.0	1.5	0.13	0.31	*
11-20	20	25.3	1.705	22.807	0.350		0.0	0.0	0.0	0.0	0.0	16.0	0.19	0.31	*
21-31	20	47.5	2.122	27.988	0.200		0.0	0.0	0.0	12.8	22.3	39.5	0.18	0.31	*
Jun															
01-10	21	17.0	1.040	24.461	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.13	0.30	*
11-20	21	16.4	1.063	24.908	0.381	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.19	0.30	*
21-30	21	11.5	1.353	17.861	0.524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.30	*
Jul															
01-10	20	10.2	2.968	6.852	0.500		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
11-20	20	7.9	2.173	8.026	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.31	*
21-31	20	7.8	1.433	15.546	0.650		0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.31	*
Ago															
01-10	20	14.3	0.933	38.413	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.31	*
11-20	20	8.3	1.150	16.037	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.31	*
21-31	20	13.1	1.044	31.362	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.31	*
Set															
01-10	20	31.4	1.157	38.765	0.300		0.0	0.0	0.0	0.0	2.8	17.0	0.24	0.31	*
11-20	20	25.5	2.091	16.278	0.250		0.0	0.0	0.0	0.0	9.8	20.6	0.12	0.31	*
21-30	19	30.5	1.571	23.059	0.158		0.0	0.0	4.6	8.0	12.8	23.3	0.10	0.31	*
Out															
01-10	20	29.3	1.433	24.048	0.150		0.0	0.0	4.2	7.2	11.7	21.7	0.14	0.31	*
11-20	20	47.0	1.567	35.304	0.150		0.0	0.0	7.8	12.8	20.1	36.1	0.26	0.31	*
21-31	20	56.8	2.774	21.559	0.050		10.5	15.5	26.1	30.3	36.8	50.6	0.07	0.31	*
Nov															
01-10	21	53.3	2.832	20.803	0.095	0.0	0.0	6.2	22.3	27.1	33.9	48.0	0.11	0.30	*
11-20	21	44.3	1.042	44.680	0.048	0.1	1.3	2.9	8.6	11.6	16.9	30.5	0.08	0.30	*
21-30	21	56.8	2.546	24.675	0.095	0.0	0.0	5.5	22.1	27.2	34.6	50.1	0.12	0.30	*
Dez															
01-10	21	71.6	1.474	48.604	0.000	8.2	10.4	13.7	23.7	28.6	36.8	56.2	0.10	0.30	*
11-20	21	74.5	1.609	48.650	0.048	1.5	6.2	10.9	23.4	29.1	38.2	59.5	0.09	0.30	*
21-31	21	68.6	1.925	37.414	0.048	2.4	7.9	12.9	24.9	30.2	38.5	57.1	0.13	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 127. Precipitação pluviométrica decendial esperada (mm) na estação São José do Sucuriu (1952003), Município de Três Lagoas, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 19°57'48" S, 52°13'34" W, 300 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	22	93.3	1.400	66.640	0.000	9.7	12.6	16.6	29.5	35.9	46.6	72.3	0.10	0.29	*
11-20	22	73.4	2.624	32.401	0.136	0.0	0.0	0.0	24.5	32.6	43.6	65.3	0.17	0.29	*
21-31	23	90.3	1.228	76.848	0.043	1.5	4.7	8.9	21.9	28.4	39.4	66.4	0.14	0.29	*
Fev															
01-10	20	71.0	1.775	42.101	0.050		6.7	11.7	24.0	29.5	38.2	58.0	0.11	0.31	*
11-20	20	75.0	1.719	45.964	0.050		6.7	11.8	24.7	30.5	39.8	60.9	0.14	0.31	*
21-28	21	53.1	1.843	31.852	0.095	0.0	0.0	2.6	15.8	20.6	27.7	43.6	0.14	0.30	*
Mar															
01-10	20	69.5	2.427	31.807	0.100		0.0	0.0	25.7	32.0	41.3	60.7	0.13	0.31	*
11-20	20	53.6	1.417	37.801	0.000		7.4	9.7	17.1	20.8	26.9	41.6	0.10	0.31	*
21-31	20	53.9	1.049	57.091	0.100		0.0	0.0	7.7	11.6	18.5	36.0	0.10	0.31	*
Abr															
01-10	20	34.7	2.984	15.482	0.250		0.0	0.0	0.0	0.0	17.4	31.3	0.20	0.31	*
11-20	19	23.9	0.981	35.578	0.316		0.0	0.0	0.0	0.0	0.7	10.8	0.20	0.31	*
21-30	19	21.9	2.381	12.488	0.263		0.0	0.0	0.0	0.0	8.7	18.4	0.17	0.31	*
Mai															
01-10	18	13.8	2.534	8.911	0.389		0.0	0.0	0.0	0.0	0.0	10.1	0.17	0.32	*
11-20	18	19.8	1.383	19.813	0.278		0.0	0.0	0.0	0.0	3.7	12.7	0.12	0.32	*
21-31	19	24.4	1.626	21.906	0.316		0.0	0.0	0.0	0.0	2.7	16.1	0.17	0.31	*
Jun															
01-10	21	9.0	0.542	43.760	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
11-20	21	8.3	0.661	29.194	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.30	*
21-30	22	7.2	1.005	17.419	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	*
Jul															
01-10	22	4.9	1.753	5.566	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29	*
11-20	21	5.7	1.068	12.348	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.30	*
21-31	22	8.3	0.744	24.479	0.545	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.29	*
Ago															
01-10	21	4.0	0.885	15.877	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
11-20	20	6.5	0.999	21.528	0.700		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.31	*
21-31	20	20.2	1.864	24.088	0.550		0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.31	*
Set															
01-10	22	20.9	1.974	16.652	0.364	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.22	0.29	*
11-20	22	28.2	1.212	28.413	0.182	0.0	0.0	0.0	1.4	4.3	8.7	18.9	0.10	0.29	*
21-30	22	30.2	1.267	29.137	0.182	0.0	0.0	0.0	1.6	4.9	9.7	20.7	0.11	0.29	*
Out															
01-10	22	34.4	1.210	29.800	0.045	0.4	1.6	3.2	8.1	10.6	14.8	25.1	0.09	0.29	*
11-20	22	46.3	0.966	61.978	0.227	0.0	0.0	0.0	0.0	1.6	8.1	25.4	0.14	0.29	*
21-31	21	30.2	0.976	34.203	0.095	0.0	0.0	0.2	3.9	6.1	9.8	19.6	0.09	0.30	*
Nov															
01-10	20	51.1	1.136	47.358	0.050		1.7	3.9	11.0	14.6	20.8	36.4	0.08	0.31	*
11-20	20	47.6	0.966	54.769	0.100		0.0	0.0	5.9	9.2	15.1	30.6	0.11	0.31	*
21-30	20	44.1	1.616	32.134	0.150		0.0	0.0	7.7	12.4	19.3	34.2	0.09	0.31	*
Dez															
01-10	20	56.6	2.002	29.743	0.050		6.6	10.9	21.0	25.4	32.3	47.5	0.12	0.31	*
11-20	21	76.0	2.154	37.035	0.048	3.5	10.5	16.3	29.9	35.8	44.8	64.8	0.07	0.30	*
21-31	21	74.2	1.132	65.538	0.000	5.1	6.9	9.7	19.1	24.0	32.5	53.8	0.16	0.30	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 128. Precipitação pluviométrica decendial esperada (mm) na estação Jupiá (2051009), Município de Três Lagoas, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°46'60" S, 51°37'00" W, 290 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	30	58.5	1.712	35.334	0.033	4.5	7.3	10.7	20.1	24.5	31.4	47.4	0.08	0.25	*
11-20	30	85.9	1.341	64.090	0.000	8.3	10.8	14.5	26.1	32.0	41.9	65.8	0.14	0.25	*
21-31	30	93.9	1.537	63.219	0.033	5.7	9.8	14.9	29.5	36.4	47.7	74.2	0.09	0.25	*
Fev															
01-10	30	63.1	2.062	31.665	0.033	6.8	10.4	14.4	24.9	29.6	36.9	53.3	0.06	0.25	*
11-20	30	71.0	1.122	63.321	0.000	4.8	6.5	9.1	18.1	22.8	30.9	51.4	0.08	0.25	*
21-28	30	57.1	1.429	42.791	0.067	0.0	1.0	5.1	14.9	19.4	26.6	43.8	0.10	0.25	*
Mar															
01-10	30	52.4	1.355	42.937	0.100	0.0	0.0	0.0	10.8	15.2	22.3	39.0	0.08	0.25	*
11-20	30	47.2	1.506	36.158	0.133	0.0	0.0	0.0	8.8	13.4	20.3	36.0	0.08	0.25	*
21-31	30	29.2	1.111	27.196	0.033	0.7	1.5	2.7	6.5	8.6	12.0	20.8	0.17	0.25	*
Abr															
01-10	29	32.8	0.942	43.854	0.207	0.0	0.0	0.0	0.0	2.0	6.4	18.3	0.14	0.25	*
11-20	29	19.5	1.085	30.657	0.414	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.14	0.25	*
21-30	29	24.2	1.713	20.473	0.310	0.0	0.0	0.0	0.0	0.0	3.5	16.6	0.15	0.25	*
Mai															
01-10	30	26.9	0.993	38.761	0.300	0.0	0.0	0.0	0.0	0.0	1.7	12.9	0.12	0.25	*
11-20	30	18.2	1.952	14.755	0.367	0.0	0.0	0.0	0.0	0.0	0.0	12.1	0.17	0.25	*
21-31	30	18.9	0.716	46.654	0.433	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.14	0.25	*
Jun															
01-10	31	16.9	1.386	27.070	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.25	
11-20	31	12.5	0.905	30.652	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.25	*
21-30	31	7.9	1.039	16.732	0.548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
Jul															
01-10	30	8.5	0.886	19.276	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.25	*
11-20	31	6.3	0.706	25.265	0.645	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.25	*
21-31	31	5.8	1.385	14.317	0.710	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.25	*
Ago															
01-10	30	4.7	0.631	31.837	0.767	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
11-20	30	5.1	0.681	20.347	0.633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.25	*
21-31	30	8.3	1.135	12.918	0.433	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.10	0.25	*
Set															
01-10	30	9.4	1.861	10.857	0.533	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.25	*
11-20	30	11.0	1.054	20.887	0.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	*
21-30	30	20.9	0.924	29.552	0.233	0.0	0.0	0.0	0.0	0.5	3.2	11.0	0.18	0.25	*
Out															
01-10	30	41.2	1.335	37.082	0.167	0.0	0.0	0.0	4.0	8.3	14.7	29.4	0.15	0.25	*
11-20	30	33.1	1.480	23.161	0.033	1.8	3.2	5.0	10.1	12.5	16.5	25.9	0.06	0.25	*
21-31	30	51.4	1.558	34.092	0.033	3.2	5.5	8.3	16.3	20.1	26.3	40.7	0.12	0.25	*
Nov															
01-10	30	38.7	1.493	27.781	0.067	0.0	0.8	3.8	10.6	13.6	18.6	30.1	0.10	0.25	*
11-20	30	44.0	2.107	25.074	0.167	0.0	0.0	0.0	8.9	14.7	22.2	36.9	0.12	0.25	*
21-30	30	28.7	1.959	18.312	0.200	0.0	0.0	0.0	0.0	7.1	12.7	23.2	0.09	0.25	*
Dez															
01-10	30	45.6	1.456	33.570	0.067	0.0	0.8	4.3	12.1	15.7	21.6	35.2	0.11	0.25	*
11-20	30	53.8	1.032	52.124	0.000	3.0	4.2	6.0	12.5	16.0	22.1	37.8	0.11	0.25	*
21-31	30	54.4	0.922	58.996	0.000	2.3	3.3	4.9	10.9	14.3	20.4	36.4	0.15	0.25	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 129. Precipitação pluviométrica decendial esperada (mm) na estação Jupiá - EFNOB (2051027), Município de Três Lagoas, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°46'60" S, 51°43'00" W, 270 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	15	62.0	0.949	70.020	0.067		0.2	2.1	9.4	13.6	21.0	40.5	0.13	0.35	*
11-20	15	83.1	2.174	44.113	0.133		0.0	0.0	23.8	32.7	45.1	70.8	0.24	0.35	*
21-31	15	93.5	1.975	54.642	0.133		0.0	0.0	24.2	34.1	48.1	77.6	0.25	0.35	*
Fev															
01-10	16	57.1	1.308	58.182	0.250		0.0	0.0	0.0	0.0	13.1	36.9	0.21	0.34	*
11-20	15	55.3	1.816	30.433	0.000		10.6	13.4	21.4	25.2	31.3	45.5	0.13	0.35	*
21-28	15	52.2	1.129	46.232	0.000		4.8	6.8	13.4	16.9	22.8	37.8	0.15	0.35	*
Mar															
01-10	17	50.8	1.430	46.487	0.235		0.0	0.0	0.0	3.6	14.4	35.1	0.21	0.33	*
11-20	16	50.9	1.213	44.762	0.063		0.9	3.6	11.2	15.0	21.4	37.0	0.12	0.34	*
21-31	16	26.3	1.139	33.640	0.313		0.0	0.0	0.0	0.0	1.4	13.7	0.16	0.34	*
Abr															
01-10	18	24.8	0.742	50.075	0.333		0.0	0.0	0.0	0.0	0.0	7.5	0.17	0.32	*
11-20	17	12.3	1.684	15.562	0.529		0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.33	*
21-30	17	19.9	0.853	33.112	0.294		0.0	0.0	0.0	0.0	1.0	8.4	0.19	0.33	*
Mai															
01-10	14	24.4	0.496	86.245	0.429			0.0	0.0	0.0	0.0	1.0	0.25	0.37	*
11-20	13	15.5	1.046	21.349	0.308			0.0	0.0	0.0	0.8	7.6	0.18	0.38	*
21-31	13	14.7	0.513	53.118	0.462			0.0	0.0	0.0	0.0	0.2	0.16	0.38	*
Jun															
01-10	14	15.2	1.491	23.846	0.571			0.0	0.0	0.0	0.0	0.0	0.23	0.37	*
11-20	13	5.0	0.710	18.292	0.615			0.0	0.0	0.0	0.0	0.0	0.12	0.38	*
21-30	13	7.1	2.295	8.087	0.615			0.0	0.0	0.0	0.0	0.0	0.15	0.38	*
Jul															
01-10	17	4.6	1.155	11.375	0.647		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.33	*
11-20	17	15.7	1.015	52.521	0.706		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.33	*
21-31	16	5.1	12.166	3.358	0.875		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.34	*
Ago															
01-10	16	6.0	1.349	35.548	0.875		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.34	*
11-20	15	3.0	1.635	6.927	0.733		0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.35	*
21-31	15	2.2	0.521	12.657	0.667		0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.35	*
Set															
01-10	15	8.1	2.607	7.768	0.600		0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.35	*
11-20	14	15.7	0.841	37.231	0.500			0.0	0.0	0.0	0.0	0.0	0.26	0.37	*
21-30	14	10.9	5.118	4.265	0.500			0.0	0.0	0.0	0.0	0.0	0.28	0.37	*
Out															
01-10	17	24.3	1.281	26.872	0.294		0.0	0.0	0.0	0.0	3.1	14.4	0.15	0.33	*
11-20	14	25.3	0.813	36.256	0.143			0.0	1.2	2.7	5.6	14.0	0.19	0.37	*
21-31	14	32.0	1.272	29.369	0.143			0.0	4.1	7.1	11.7	22.7	0.15	0.37	*
Nov															
01-10	17	23.7	1.198	30.509	0.353		0.0	0.0	0.0	0.0	0.0	11.3	0.18	0.33	*
11-20	15	32.5	2.108	21.020	0.267		0.0	0.0	0.0	0.0	11.4	26.0	0.19	0.35	*
21-30	15	32.0	5.202	9.218	0.333		0.0	0.0	0.0	0.0	0.0	32.6	0.25	0.35	*
Dez															
01-10	17	28.9	1.106	37.072	0.294		0.0	0.0	0.0	0.0	2.7	15.4	0.16	0.33	*
11-20	14	50.0	1.778	32.796	0.143			0.0	10.6	16.0	23.7	40.1	0.11	0.37	*
21-31	14	38.5	1.028	43.690	0.143			0.0	3.3	6.3	11.4	24.6	0.18	0.37	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 130. Precipitação pluviométrica decendial esperada (mm) na estação Jupiá (2051037), Município de Três Lagoas, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°48'00" S, 51°37'60" W, 260 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	32	68.9	1.357	50.744	0.000	6.8	8.8	11.8	21.2	25.9	33.8	52.9	0.10	0.24 *
11-20	32	77.3	1.702	46.866	0.031	6.3	9.9	14.3	26.6	32.3	41.5	62.6	0.10	0.24 *
21-31	31	81.6	1.691	49.840	0.032	6.3	10.2	14.9	27.9	33.9	43.6	66.0	0.09	0.25 *
Fev														
01-10	30	78.7	1.311	62.094	0.033	3.2	6.0	9.8	21.2	26.9	36.4	59.3	0.07	0.25 *
11-20	30	58.0	1.005	57.720	0.000	3.0	4.3	6.2	13.0	16.8	23.3	40.3	0.11	0.25 *
21-28	30	39.9	1.118	39.617	0.100	0.0	0.0	0.0	6.3	9.3	14.5	27.4	0.06	0.25 *
Mar														
01-10	31	62.8	1.742	37.277	0.032	5.2	8.2	11.9	22.0	26.6	34.1	51.2	0.05	0.25 *
11-20	31	50.2	1.440	36.040	0.032	2.7	4.7	7.3	14.9	18.6	24.6	39.0	0.06	0.25 *
21-31	32	31.9	1.114	31.538	0.094	0.0	0.0	0.4	5.2	7.6	11.7	22.0	0.07	0.24 *
Abr														
01-10	32	30.4	1.354	29.964	0.250	0.0	0.0	0.0	0.0	0.0	7.3	20.1	0.21	0.24 *
11-20	32	29.2	0.995	34.828	0.156	0.0	0.0	0.0	1.8	4.0	7.9	18.1	0.08	0.24 *
21-30	33	17.6	0.984	26.796	0.333	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.10	0.24 *
Mai														
01-10	31	17.8	1.441	21.277	0.419	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.19	0.25 *
11-20	31	22.5	0.916	30.484	0.194	0.0	0.0	0.0	0.2	1.7	4.6	12.6	0.10	0.25 *
21-31	31	29.1	2.939	13.350	0.258	0.0	0.0	0.0	0.0	0.0	14.0	26.1	0.17	0.25 *
Jun														
01-10	31	12.7	0.996	20.831	0.387	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.09	0.25 *
11-20	31	10.5	0.567	33.837	0.452	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.06	0.25 *
21-30	31	10.7	0.942	22.109	0.484	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.12	0.25 *
Jul														
01-10	31	9.1	0.634	22.200	0.355	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.09	0.25 *
11-20	31	6.9	0.893	15.865	0.516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25 *
21-31	32	8.9	0.580	27.383	0.438	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.11	0.24 *
Ago														
01-10	32	5.2	0.582	22.093	0.594	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.24 *
11-20	32	7.3	0.597	35.543	0.656	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.24 *
21-31	32	15.4	0.790	36.593	0.469	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.15	0.24 *
Set														
01-10	32	19.9	0.910	34.963	0.375	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.16	0.24 *
11-20	32	25.9	0.979	32.622	0.188	0.0	0.0	0.0	0.5	2.4	6.0	15.3	0.09	0.24 *
21-30	32	28.7	1.047	29.220	0.063	0.0	0.3	1.4	5.2	7.2	10.7	19.6	0.12	0.24 *
Out														
01-10	32	35.1	0.765	47.277	0.031	0.2	0.6	1.4	4.6	6.6	10.3	20.9	0.16	0.24 *
11-20	32	36.5	1.767	23.568	0.125	0.0	0.0	0.0	8.8	12.5	17.8	29.4	0.05	0.24 *
21-31	31	37.5	1.015	40.868	0.097	0.0	0.0	0.2	5.2	7.9	12.6	24.7	0.11	0.25 *
Nov														
01-10	31	39.4	1.131	40.036	0.129	0.0	0.0	0.0	4.9	8.1	13.5	26.7	0.11	0.25 *
11-20	29	53.6	1.180	50.613	0.103	0.0	0.0	0.0	8.9	13.2	20.3	37.7	0.07	0.25 *
21-30	31	44.6	1.348	34.172	0.032	2.1	3.7	5.8	12.4	15.6	21.0	33.9	0.06	0.25 *
Dez														
01-10	31	47.8	1.209	43.820	0.097	0.0	0.0	0.5	8.7	12.5	18.8	34.1	0.09	0.25 *
11-20	31	60.6	1.991	30.415	0.000	10.7	13.0	16.0	24.9	29.0	35.6	50.8	0.10	0.25 *
21-31	32	83.1	1.548	55.383	0.031	5.5	9.1	13.5	26.4	32.5	42.5	65.8	0.07	0.24 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 131. Precipitação pluviométrica decendial esperada (mm) na estação Garcias (2052004), Município de Três Lagoas, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°35'54" S, 52°13'10" W.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]
						95%	93%	90%	80%	75%	67%	50%		
Jan														
01-10	22	85.1	2.347	36.271	0.000	18.2	21.6	26.1	38.6	44.3	53.3	73.4	0.15	0.29 *
11-20	22	50.7	1.669	30.357	0.000	7.0	8.8	11.2	18.4	21.9	27.6	41.0	0.10	0.29 *
21-31	23	79.4	1.613	49.238	0.000	10.5	13.1	16.9	28.2	33.7	42.6	63.7	0.07	0.29 *
Fev														
01-10	23	66.6	1.542	43.185	0.000	8.2	10.4	13.4	22.8	27.4	35.0	52.9	0.17	0.29 *
11-20	23	51.0	1.777	29.988	0.043	2.5	5.6	9.0	17.6	21.5	27.6	41.7	0.11	0.29 *
21-28	23	32.1	2.320	15.904	0.130	0.0	0.0	0.0	9.9	13.3	18.1	27.8	0.07	0.29 *
Mar														
01-10	23	47.5	2.852	20.151	0.174	0.0	0.0	0.0	12.3	19.6	27.9	42.9	0.15	0.29 *
11-20	23	43.4	3.225	14.071	0.043	6.4	10.5	14.1	21.8	24.9	29.6	39.5	0.09	0.29 *
21-31	23	41.9	1.521	31.677	0.130	0.0	0.0	0.0	8.1	12.1	18.3	32.1	0.10	0.29 *
Abr														
01-10	23	20.2	1.838	12.666	0.130	0.0	0.0	0.0	4.9	7.0	10.0	16.5	0.14	0.29 *
11-20	23	27.8	2.139	15.722	0.174	0.0	0.0	0.0	5.1	9.1	13.9	23.3	0.09	0.29 *
21-30	23	23.8	1.765	18.275	0.261	0.0	0.0	0.0	0.0	0.0	7.2	17.8	0.10	0.29 *
Mai														
01-10	23	14.8	1.212	17.612	0.304	0.0	0.0	0.0	0.0	0.0	1.3	8.3	0.18	0.29 *
11-20	23	21.9	1.086	27.224	0.261	0.0	0.0	0.0	0.0	0.0	3.4	12.3	0.15	0.29 *
21-31	23	27.6	0.980	35.966	0.217	0.0	0.0	0.0	0.0	1.4	5.3	15.6	0.14	0.29 *
Jun														
01-10	23	12.4	0.741	32.192	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.10	0.29 *
11-20	23	8.1	0.671	27.619	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29 *
21-30	23	7.2	1.028	13.350	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.08	0.29 *
Jul														
01-10	23	5.1	0.838	13.965	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.29 *
11-20	23	4.7	1.151	9.387	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.29 *
21-31	23	7.0	2.660	6.076	0.565	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.29 *
Ago														
01-10	22	6.0	0.597	27.846	0.636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.29 *
11-20	21	5.4	1.339	14.234	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.30 *
21-31	22	14.7	1.532	23.506	0.591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.29 *
Set														
01-10	22	20.8	1.236	23.175	0.273	0.0	0.0	0.0	0.0	0.0	3.5	12.6	0.10	0.29 *
11-20	22	23.8	1.117	29.329	0.273	0.0	0.0	0.0	0.0	0.0	3.3	13.4	0.09	0.29 *
21-30	22	23.1	1.202	22.239	0.136	0.0	0.0	0.0	2.9	4.9	8.2	16.0	0.09	0.29 *
Out														
01-10	22	25.1	1.577	16.652	0.045	0.7	2.1	3.7	7.8	9.7	12.7	19.9	0.11	0.29 *
11-20	22	25.0	1.155	21.661	0.000	1.8	2.4	3.4	6.6	8.3	11.1	18.3	0.11	0.29 *
21-31	22	45.7	1.790	28.081	0.091	0.0	0.0	3.0	13.5	17.5	23.6	37.2	0.08	0.29 *
Nov														
01-10	22	35.0	1.015	42.168	0.182	0.0	0.0	0.0	1.0	3.8	8.7	21.3	0.10	0.29 *
11-20	22	45.6	1.228	43.035	0.136	0.0	0.0	0.0	6.0	10.0	16.5	32.0	0.15	0.29 *
21-30	21	33.5	1.367	25.756	0.048	0.4	2.0	3.8	9.0	11.5	15.6	25.5	0.11	0.30 *
Dez														
01-10	21	60.1	2.323	25.877	0.000	12.7	15.1	18.2	27.1	31.1	37.5	51.7	0.10	0.30 *
11-20	21	67.9	1.826	39.028	0.048	2.0	7.2	11.9	23.7	28.9	37.2	55.9	0.20	0.30 *
21-31	22	74.1	2.688	27.556	0.000	18.2	21.3	25.2	36.0	40.8	48.4	65.1	0.18	0.29 *
						20	**14**	**10**	**5**	**4**	**3**	**2**		
						Período de Retorno (anos)								

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

Tabela 132. Precipitação pluviométrica decendial esperada (mm) na estação Porto Galeano (2052006), Município de Três Lagoas, para diferentes níveis de probabilidade e períodos de retorno. Coordenadas Geográficas: 20°05'37" S, 52°09'35" W, 380 m.

Decêndio	n	Média	Alfa	Beta	K	Nível de Probabilidade							D[1]	d[2]	
						95%	93%	90%	80%	75%	67%	50%			
Jan															
01-10	20	70.5	1.939	36.374	0.000		14.7	18.2	28.5	33.3	41.1	58.9	0.11	0.31	*
11-20	20	63.5	2.617	25.542	0.050		10.9	16.4	28.2	33.0	40.3	56.1	0.11	0.31	*
21-31	20	87.0	2.642	32.918	0.000		24.6	29.2	41.9	47.6	56.6	76.3	0.10	0.31	*
Fev															
01-10	21	63.5	2.357	26.932	0.000	13.7	16.2	19.5	28.8	33.1	39.8	54.8	0.12	0.30	*
11-20	21	66.9	1.156	60.746	0.048	0.4	2.6	5.5	14.8	19.6	27.8	48.0	0.18	0.30	*
21-28	21	60.3	1.926	36.508	0.143	0.0	0.0	0.0	14.1	20.7	30.1	49.6	0.14	0.30	*
Mar															
01-10	21	58.6	1.362	45.172	0.048	0.6	3.4	6.6	15.6	20.0	27.3	44.6	0.17	0.30	*
11-20	21	61.7	1.616	40.081	0.048	1.3	5.2	9.1	19.4	24.1	31.7	49.3	0.10	0.30	*
21-31	21	47.8	1.710	30.918	0.095	0.0	0.0	1.9	13.2	17.5	23.9	38.4	0.09	0.30	*
Abr															
01-10	20	38.0	1.373	32.536	0.150		0.0	0.0	5.1	8.9	14.6	27.7	0.15	0.31	*
11-20	19	40.8	1.570	29.073	0.105		0.0	0.0	9.8	13.4	19.1	31.9	0.10	0.31	*
21-30	19	13.4	2.273	9.350	0.368		0.0	0.0	0.0	0.0	0.0	9.7	0.16	0.31	*
Mai															
01-10	18	16.2	3.495	6.403	0.278		0.0	0.0	0.0	0.0	8.0	15.1	0.11	0.32	*
11-20	18	11.9	1.065	18.223	0.389		0.0	0.0	0.0	0.0	0.0	4.2	0.14	0.32	*
21-31	18	30.8	2.739	15.563	0.278		0.0	0.0	0.0	0.0	12.6	26.8	0.22	0.32	*
Jun															
01-10	21	5.2	1.771	10.184	0.714	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.30	*
11-20	21	8.5	1.313	17.091	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.30	*
21-30	21	5.5	2.598	6.318	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.30	*
Jul															
01-10	21	4.9	1.724	6.593	0.571	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
11-20	21	4.3	1.135	11.356	0.667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.30	*
21-31	21	7.7	1.104	18.335	0.619	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.30	*
Ago															
01-10	19	7.2	0.666	22.933	0.526		0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.31	*
11-20	19	8.3	1.222	21.438	0.684		0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.31	*
21-31	19	18.0	1.126	25.244	0.368		0.0	0.0	0.0	0.0	0.0	7.6	0.14	0.31	*
Set															
01-10	20	18.1	3.250	8.551	0.350		0.0	0.0	0.0	0.0	0.0	15.8	0.20	0.31	*
11-20	20	22.6	0.931	28.488	0.150		0.0	0.0	1.4	2.9	5.8	13.5	0.08	0.31	*
21-30	20	32.8	1.061	36.335	0.150		0.0	0.0	2.7	5.3	9.8	21.1	0.14	0.31	*
Out															
01-10	20	33.3	1.107	31.667	0.050		1.0	2.4	6.9	9.3	13.3	23.5	0.09	0.31	*
11-20	20	34.5	1.052	36.423	0.100		0.0	0.0	4.9	7.5	11.9	23.1	0.09	0.31	*
21-31	20	24.5	1.519	17.904	0.100		0.0	0.0	5.8	8.0	11.3	19.0	0.07	0.31	*
Nov															
01-10	20	38.7	1.304	32.969	0.100		0.0	0.0	7.6	10.8	16.0	28.4	0.10	0.31	*
11-20	20	65.4	1.371	47.707	0.000		8.5	11.3	20.3	24.8	32.2	50.3	0.11	0.31	*
21-30	20	45.2	1.779	25.387	0.000		8.5	10.7	17.2	20.3	25.4	37.0	0.13	0.31	*
Dez															
01-10	20	51.0	1.334	40.265	0.050		2.6	5.3	13.2	17.0	23.3	38.5	0.14	0.31	*
11-20	20	64.4	3.348	20.255	0.050		14.7	20.7	32.6	37.3	44.3	58.9	0.15	0.31	*
21-31	20	73.6	1.329	55.375	0.000		9.1	12.2	22.2	27.2	35.7	56.2	0.09	0.31	*
						20	**14**	**10**	**5**	**4**	**3**	**2**			
						Período de Retorno (anos)									

(1) Valores de máxima divergência do Teste Kolmogorov-Smirnov.
(2) Nível crítico em 5% de significância.
(*) Valores se ajustam à distribuição Gama.

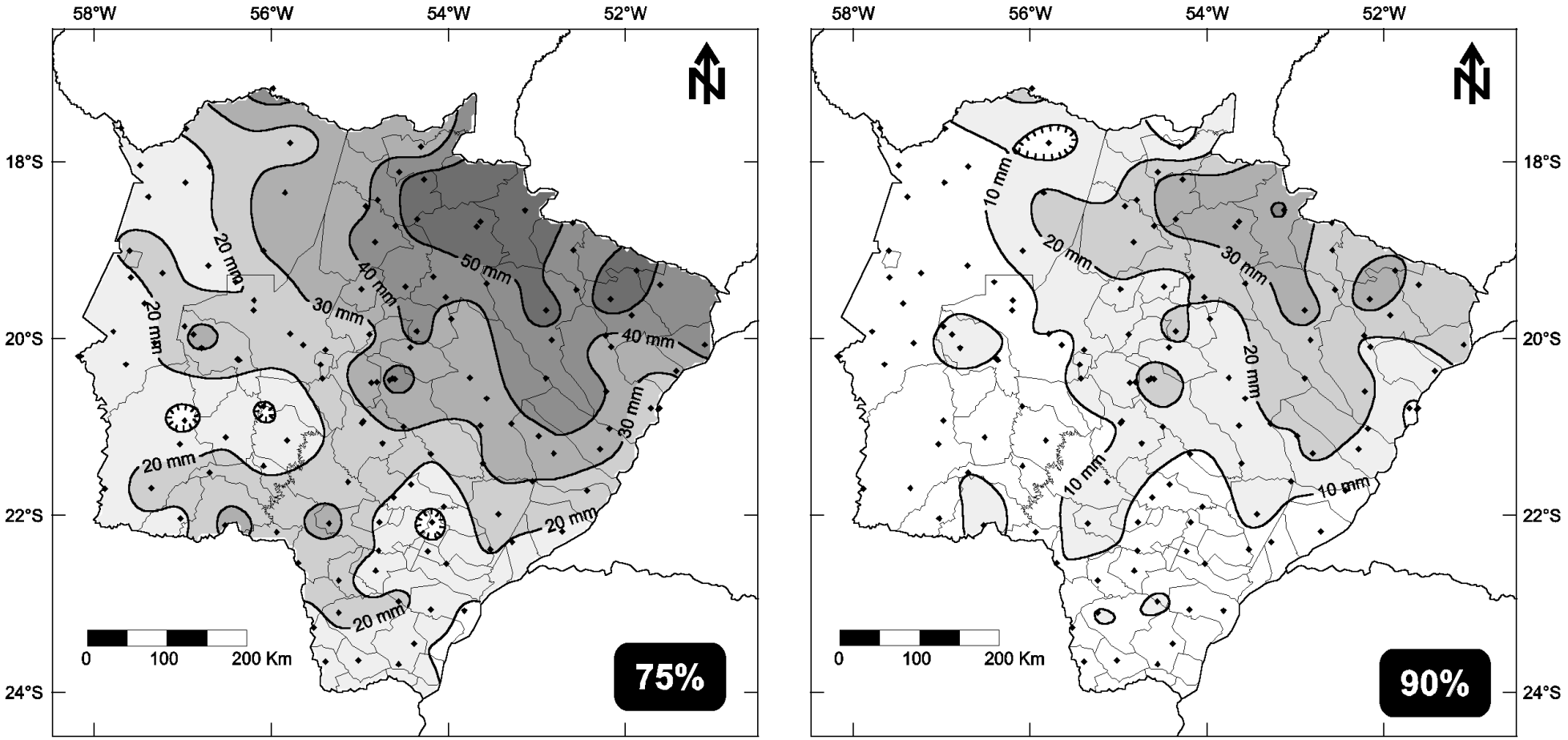

Fig. 1. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de janeiro. Os pontos representam as estações e postos pluviométricos utilizados.

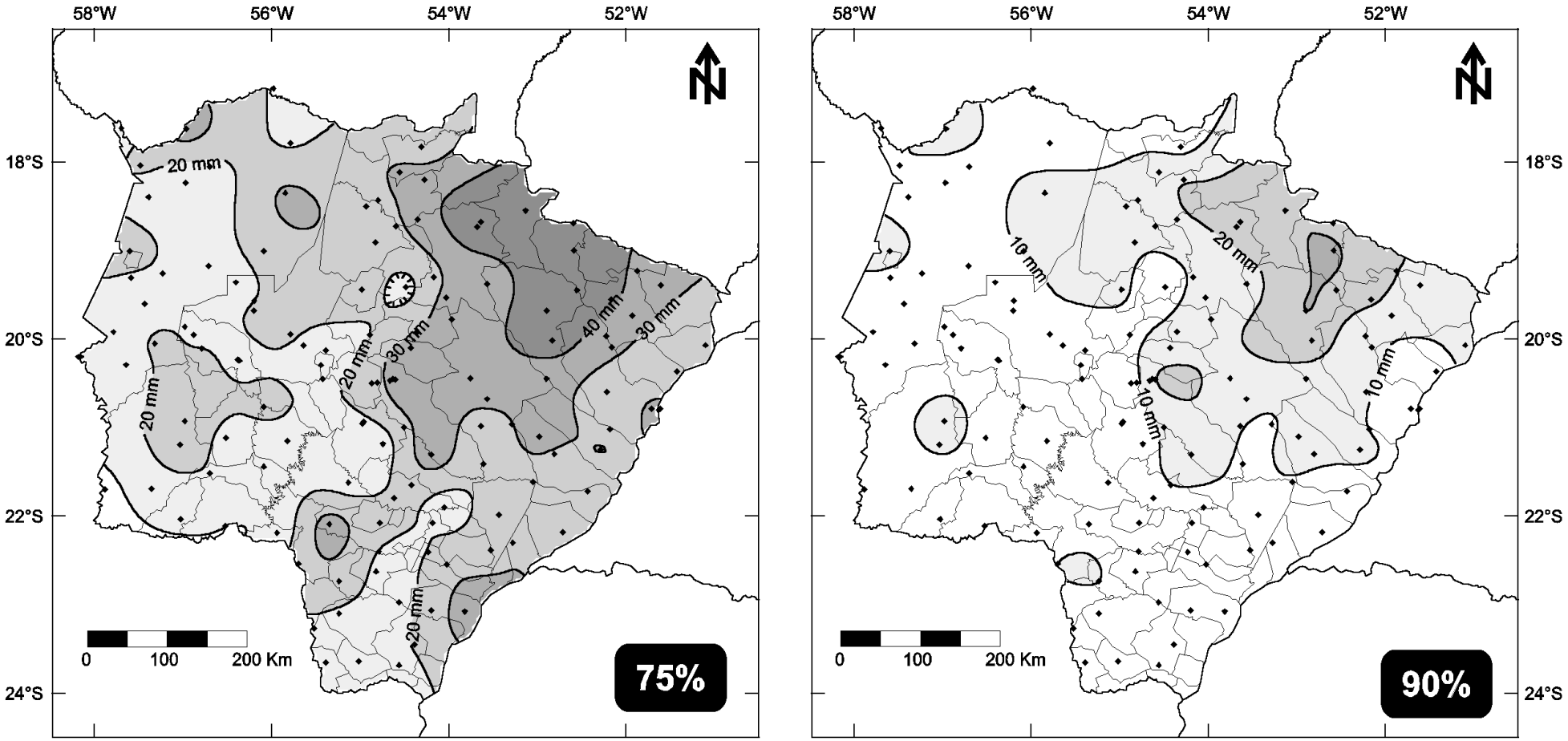

Fig. 2. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de janeiro. Os pontos representam as estações e postos pluviométricos utilizados.

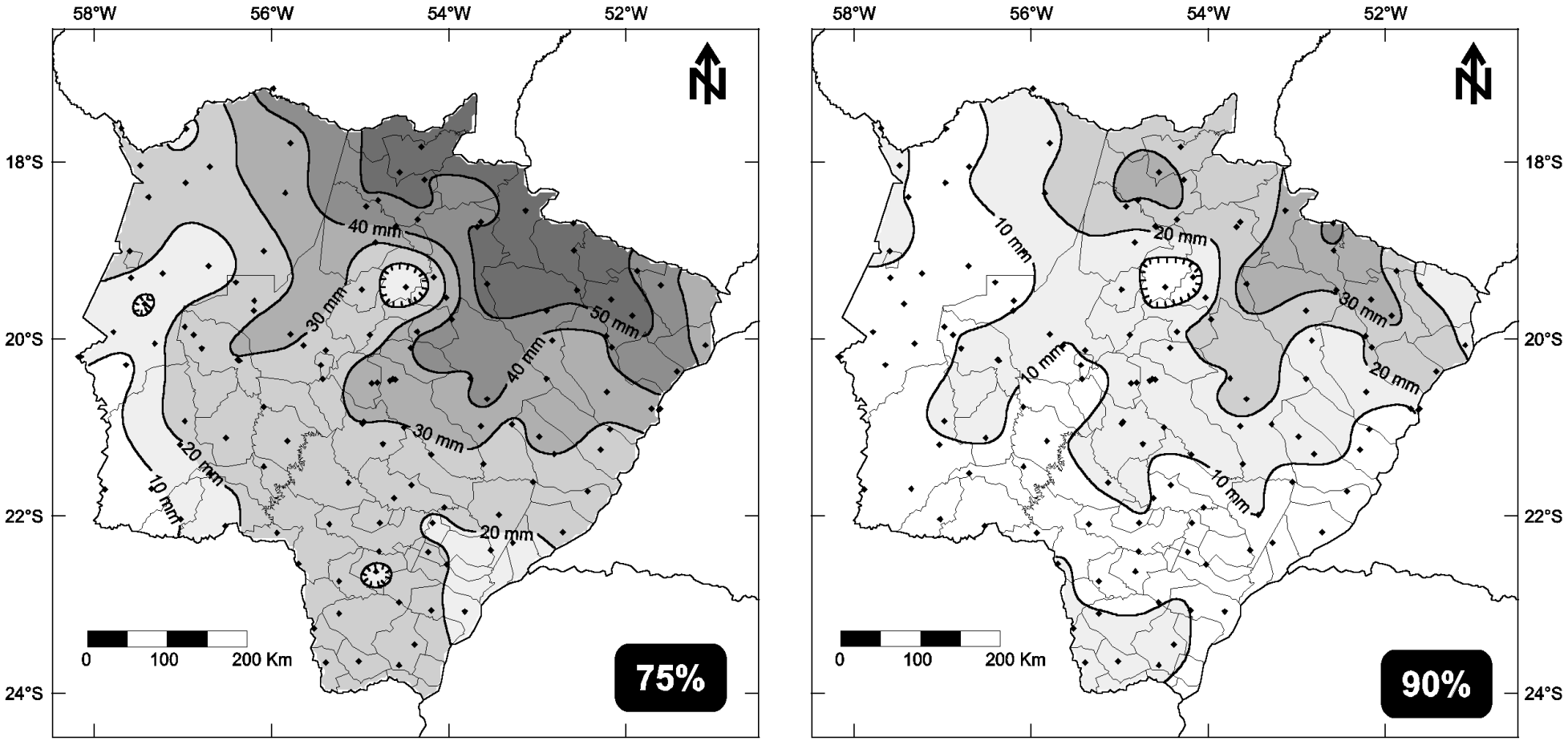

Fig. 3. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de janeiro. Os pontos representam as estações e postos pluviométricos utilizados.

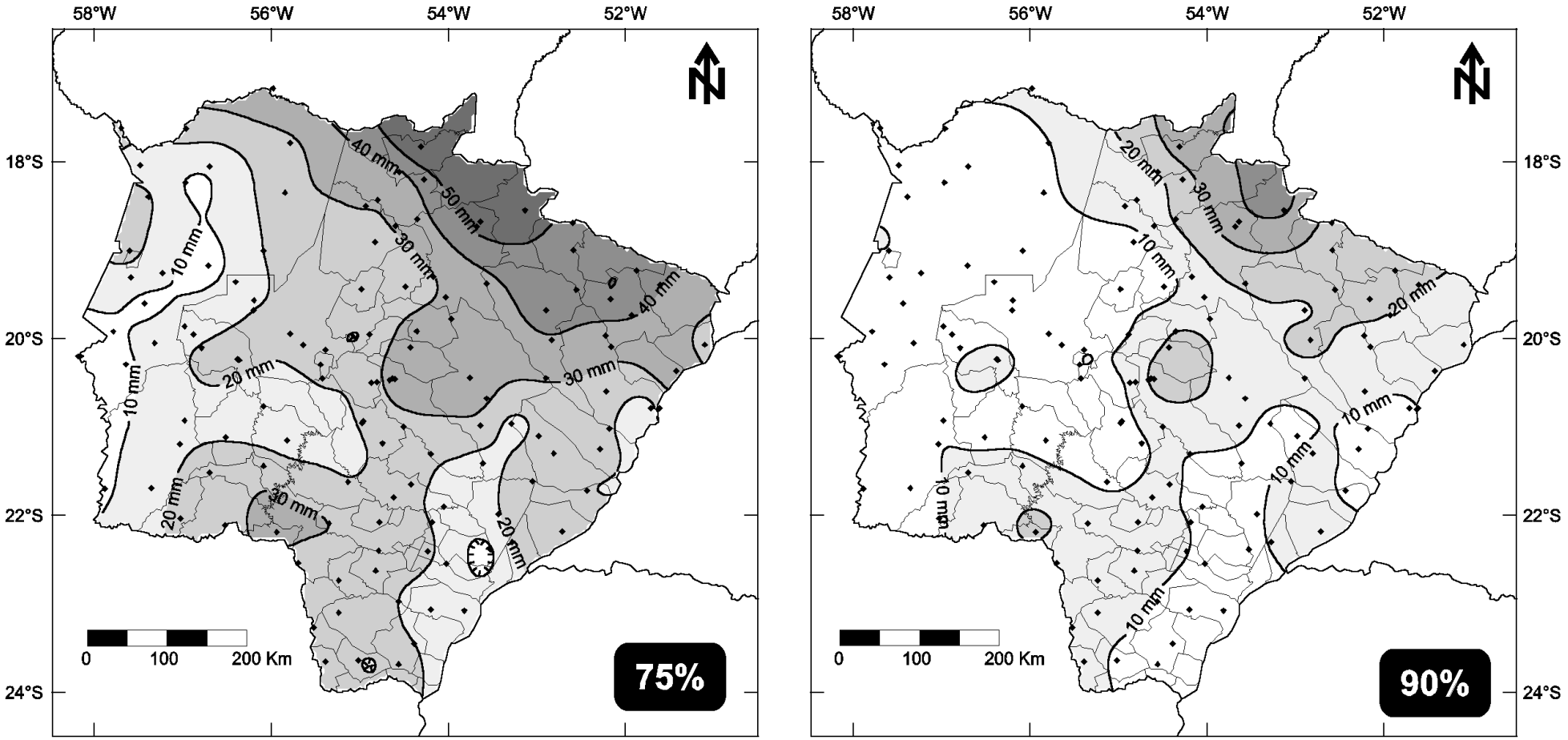

Fig. 4. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de fevereiro. Os pontos representam as estações e postos pluviométricos utilizados.

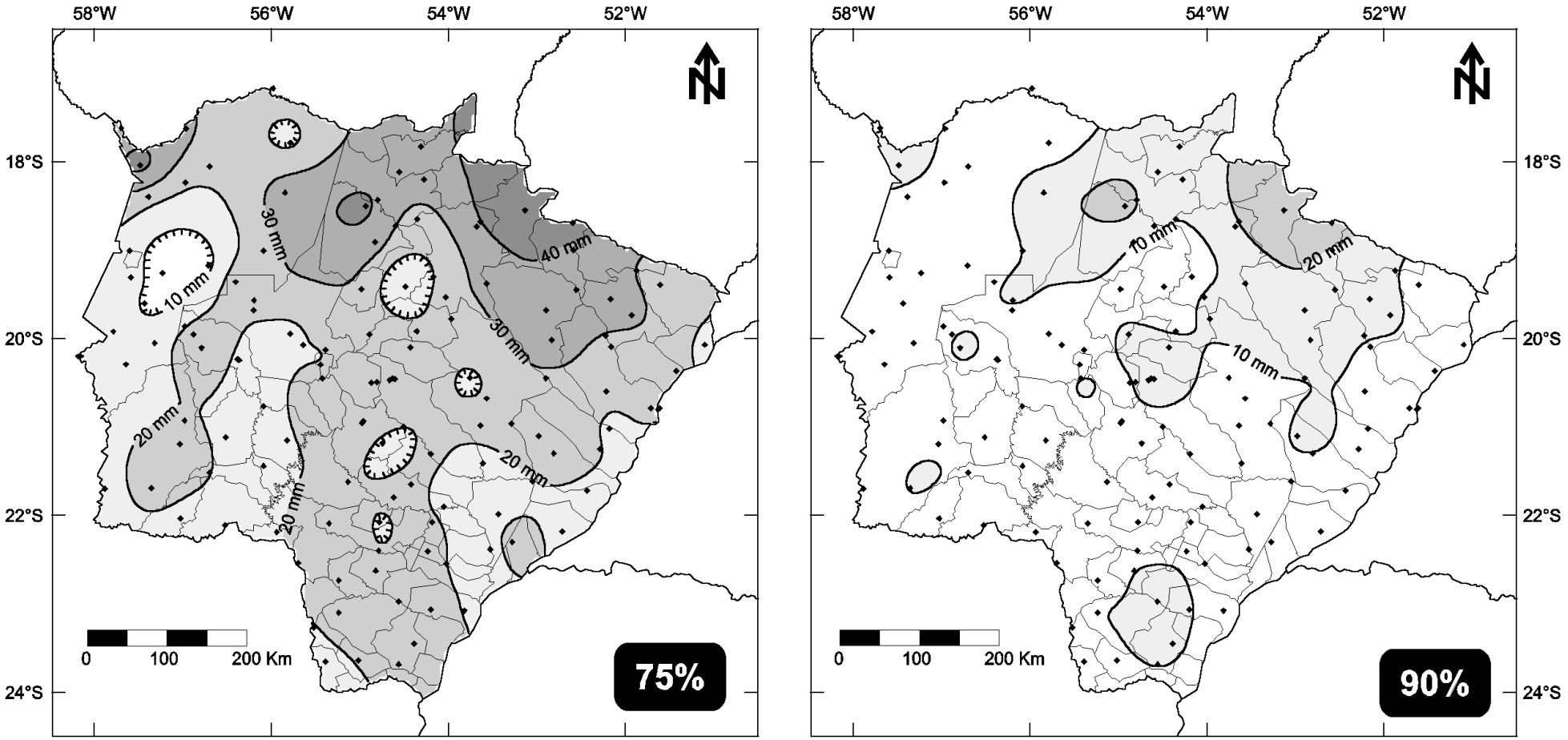

Fig. 5. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de fevereiro. Os pontos representam as estações e postos pluviométricos utilizados.

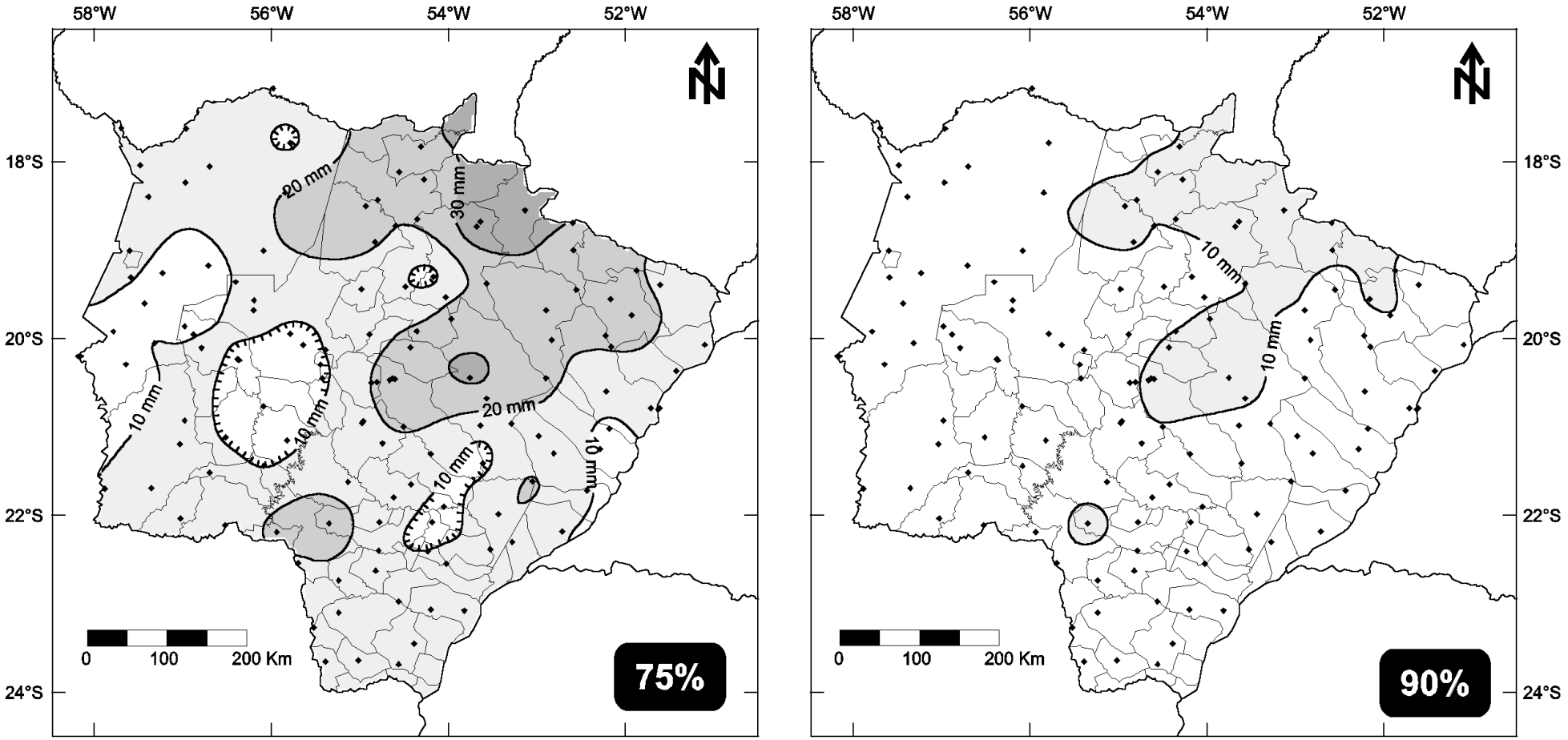

Fig. 6. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de fevereiro. Os pontos representam as estações e postos pluviométricos utilizados.

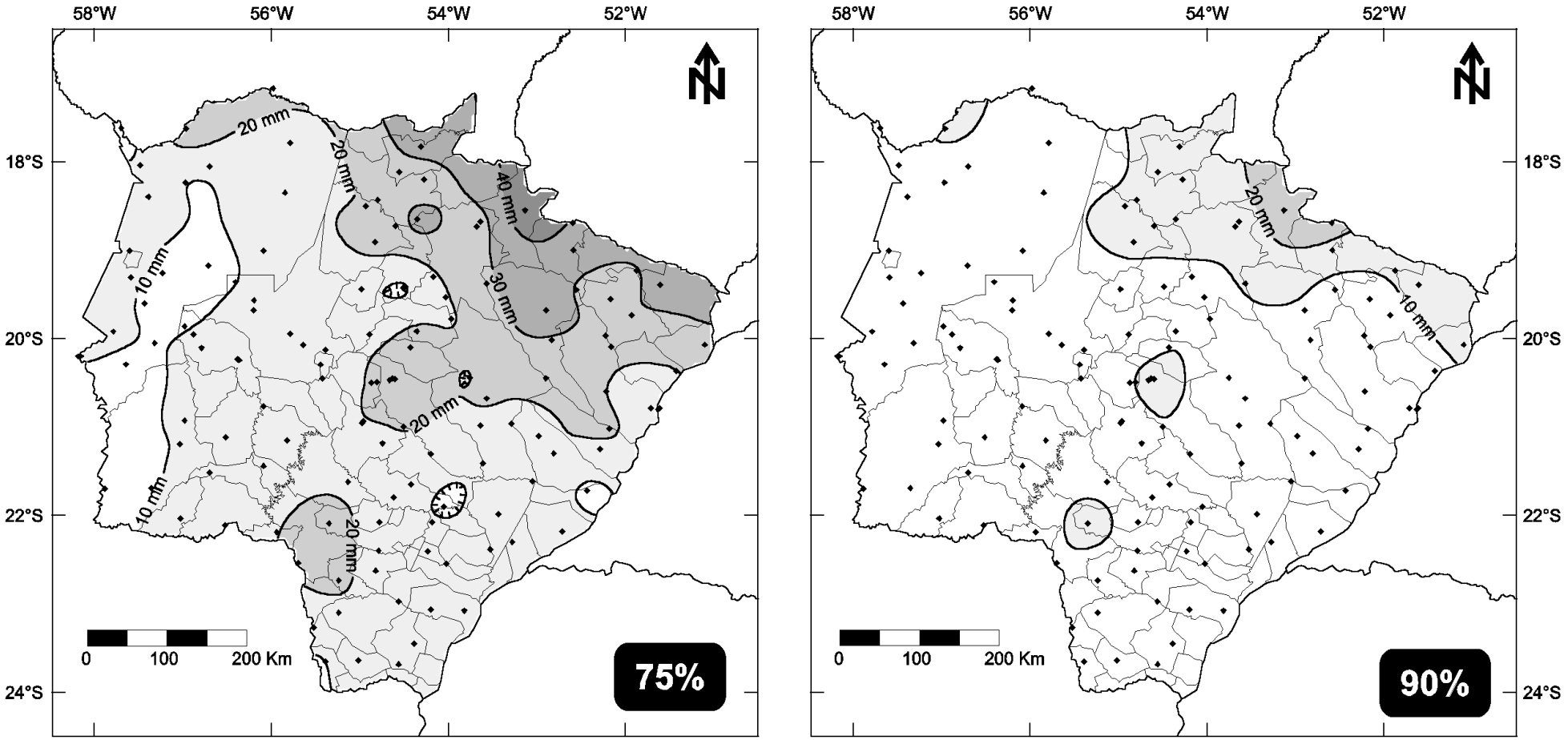

Fig. 7. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de março. Os pontos representam as estações e postos pluviométricos utilizados.

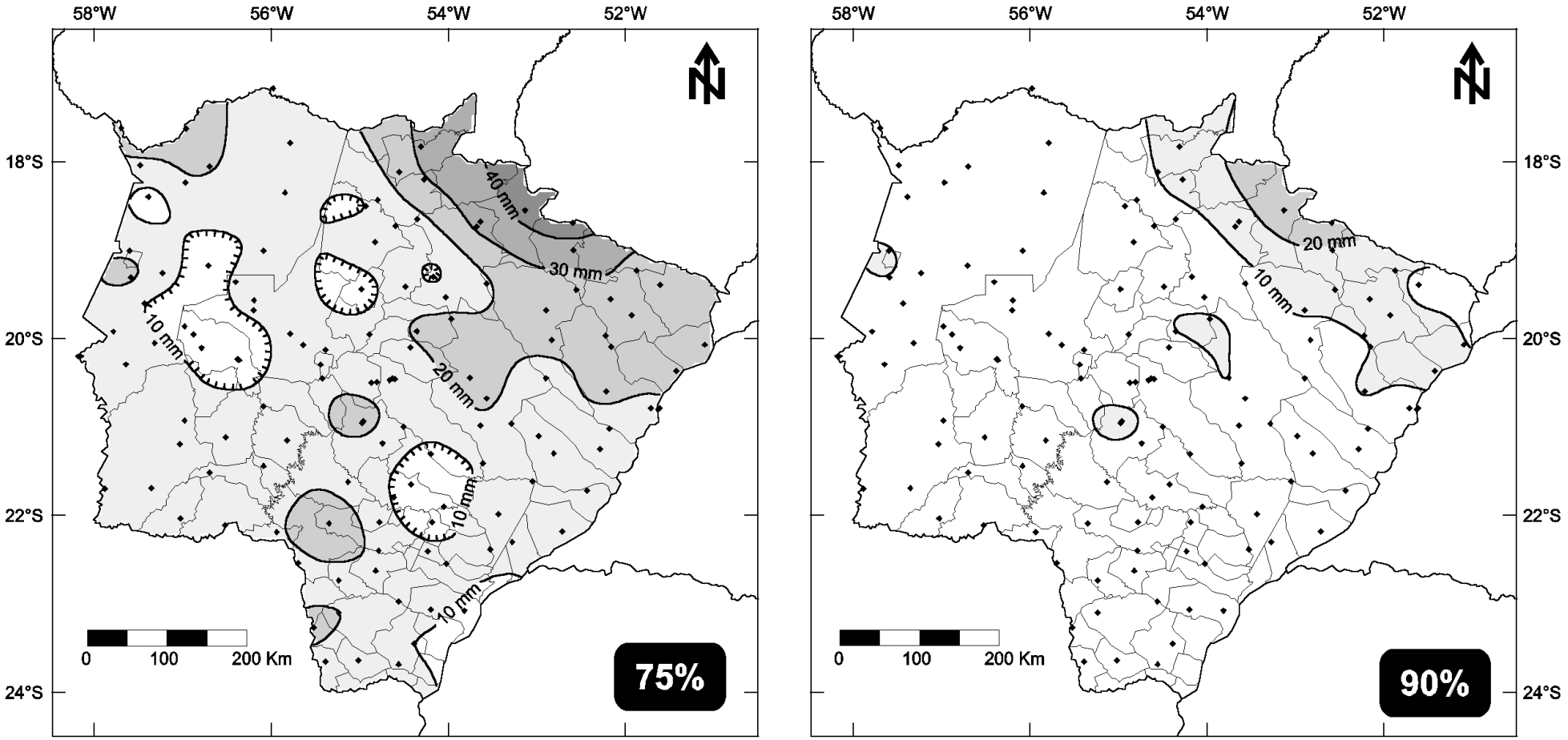

Fig. 8. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de março. Os pontos representam as estações e postos pluviométricos utilizados.

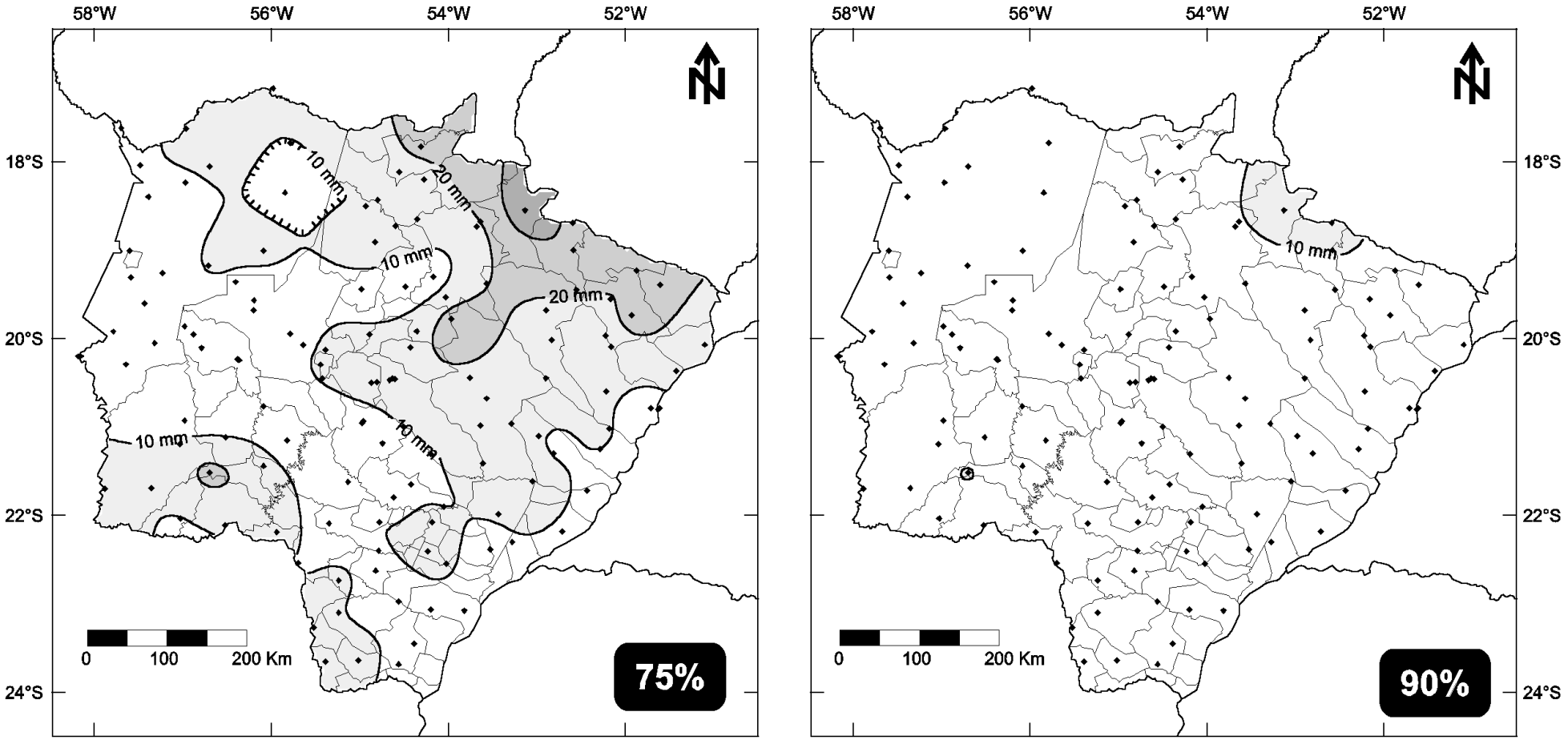

Fig. 9. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de março. Os pontos representam as estações e postos pluviométricos utilizados.

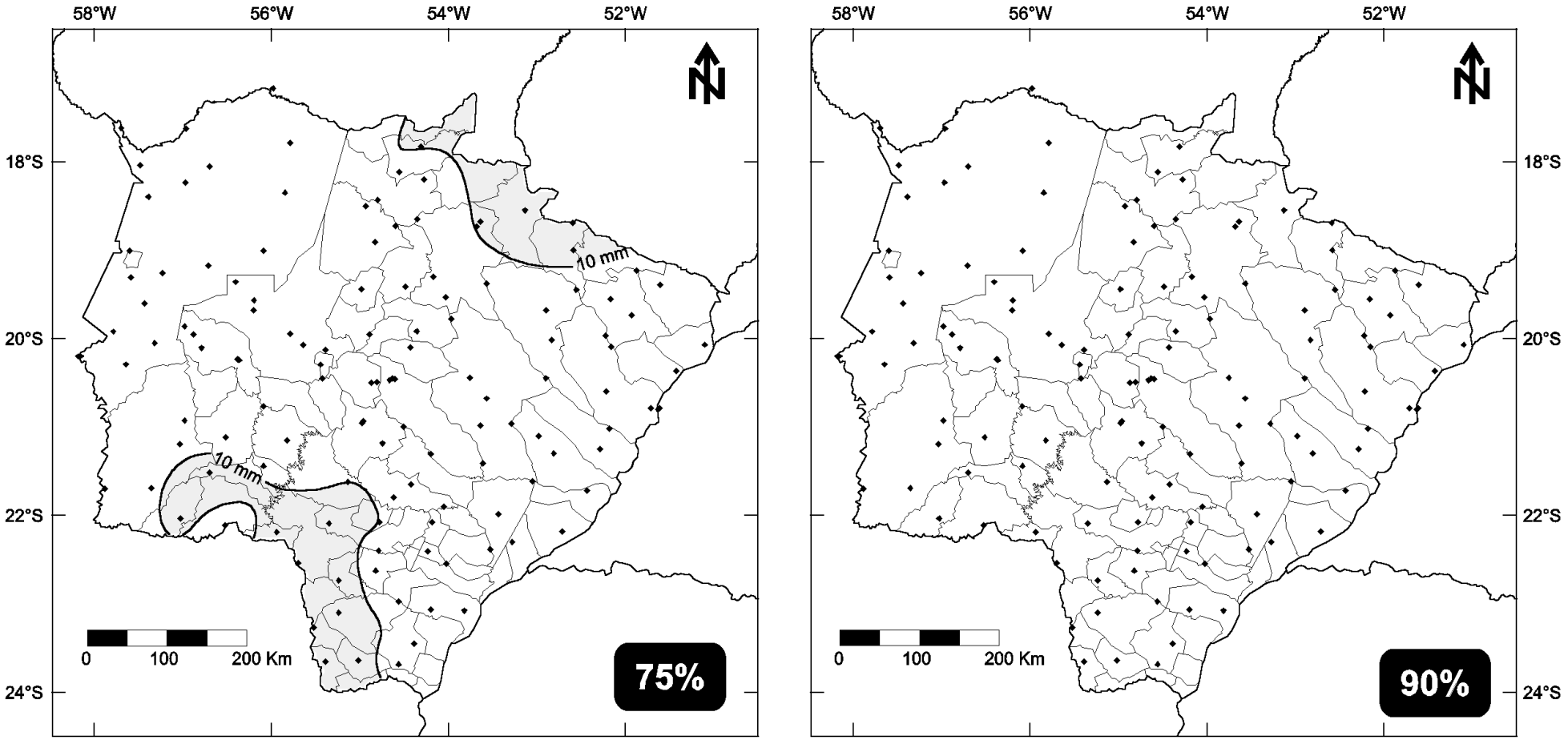

Fig. 10. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de abril. Os pontos representam as estações e postos pluviométricos utilizados.

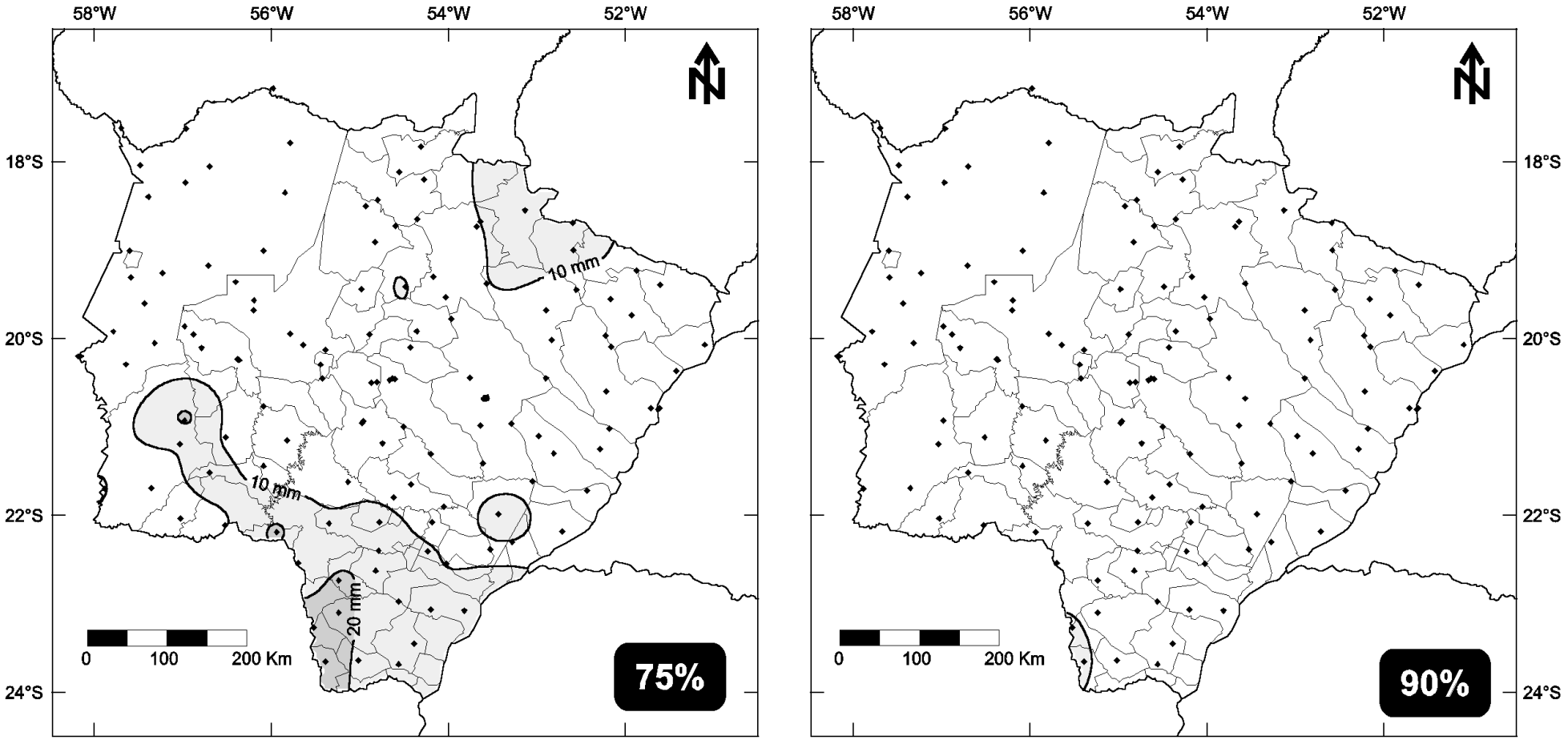

Fig. 11. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de abril. Os pontos representam as estações e postos pluviométricos utilizados.

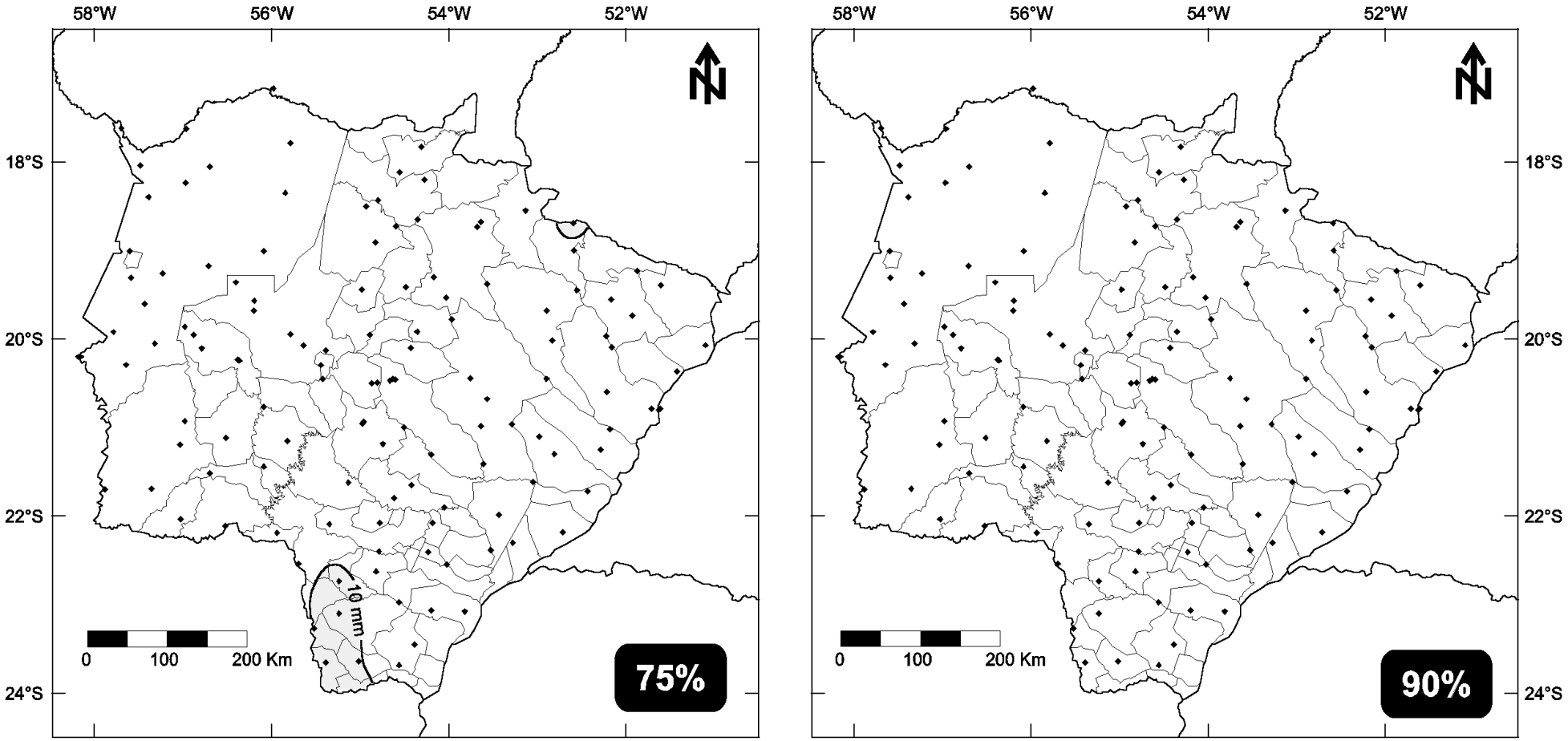

Fig. 12. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de abril. Os pontos representam as estações e postos pluviométricos utilizados.

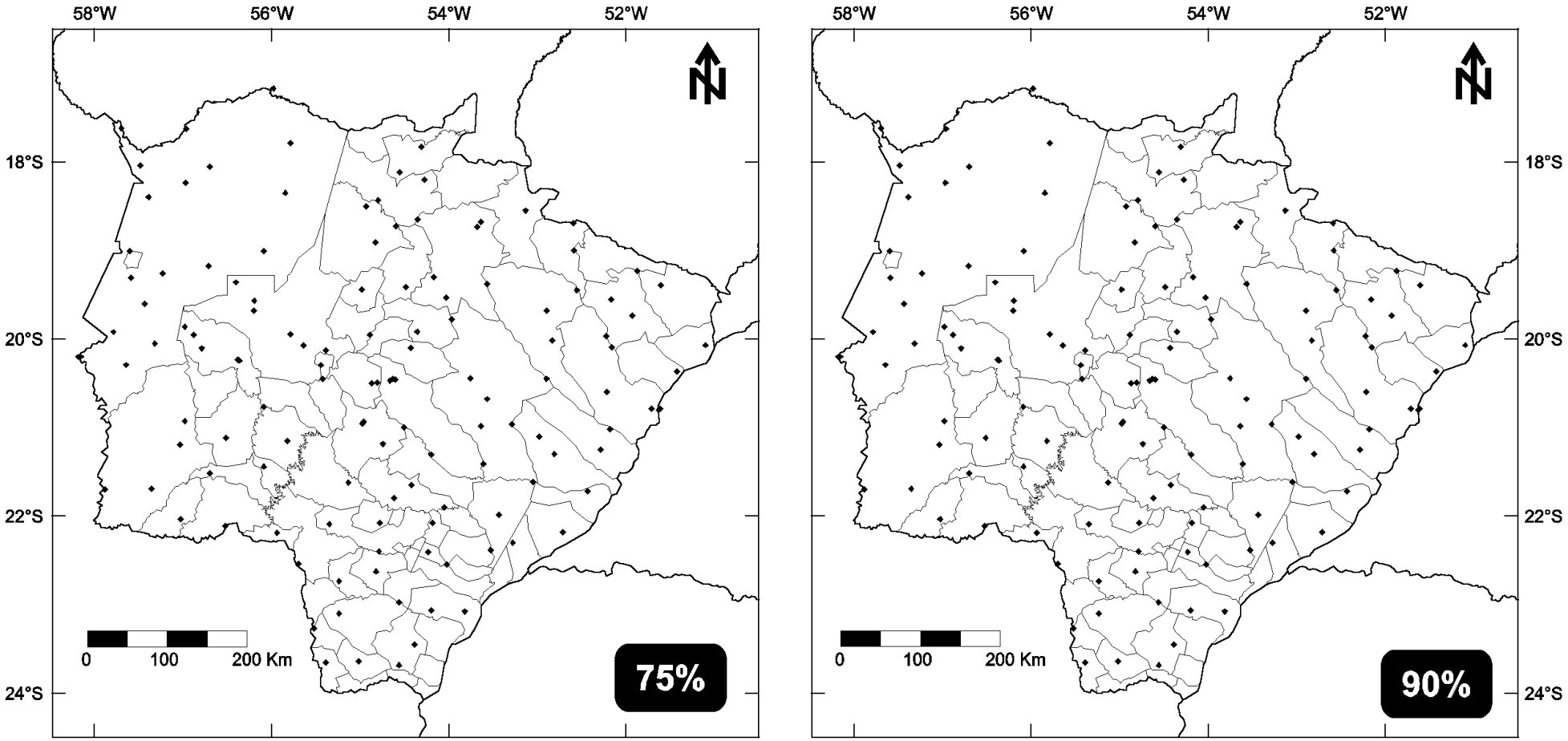

Fig. 13. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de maio. Os pontos representam as estações e postos pluviométricos utilizados.

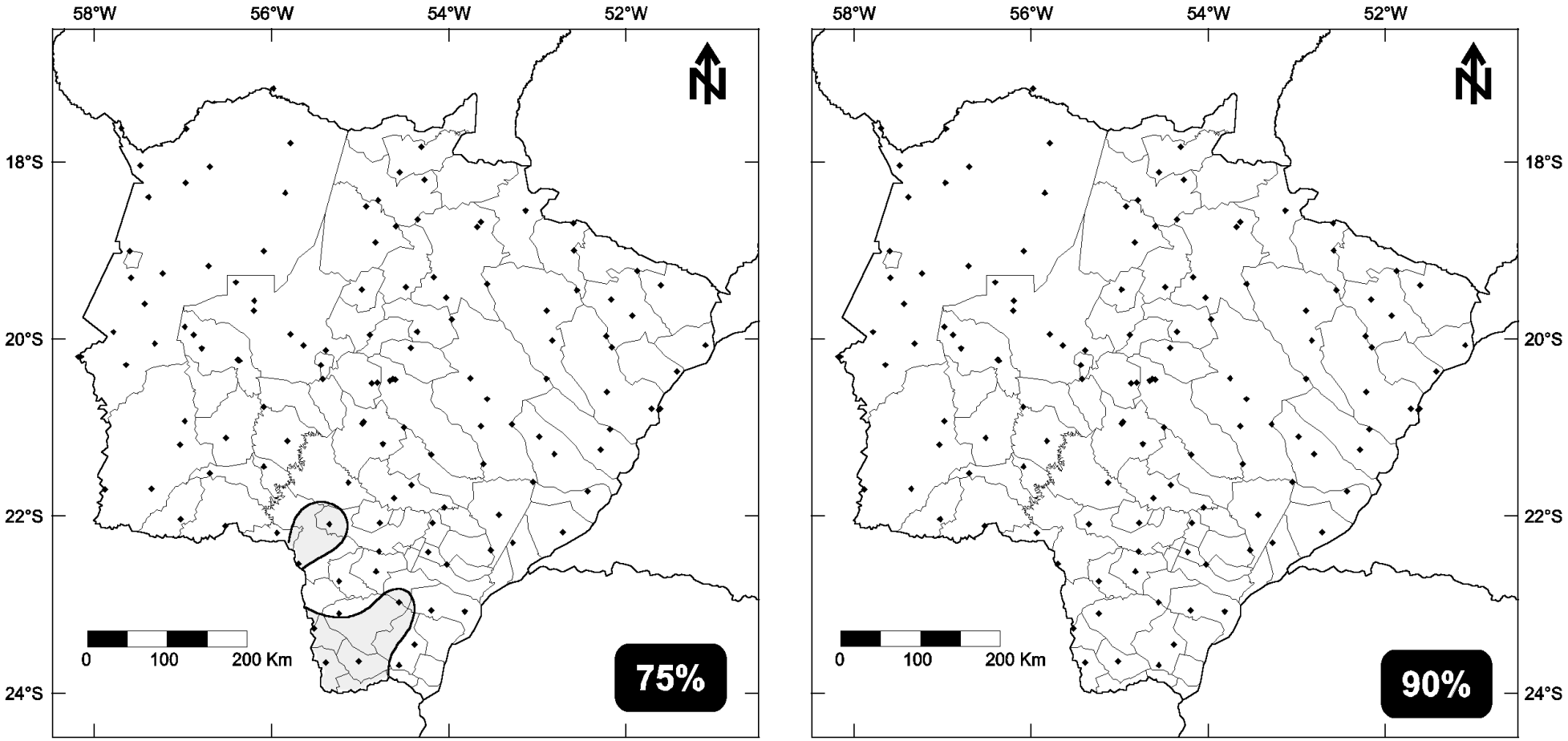

Fig. 14. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de maio. Os pontos representam as estações e postos pluviométricos utilizados.

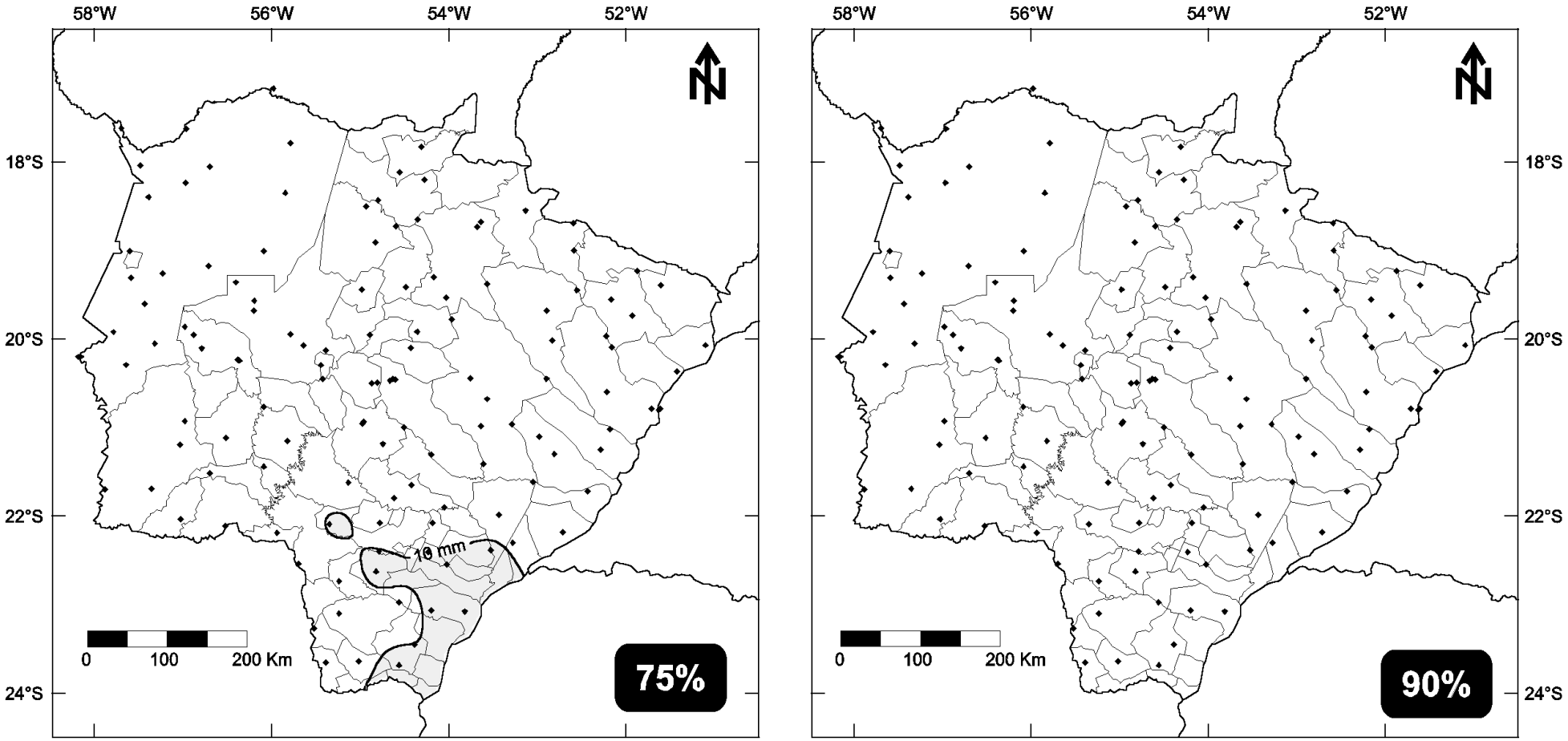

Fig. 15. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de maio. Os pontos representam as estações e postos pluviométricos utilizados.

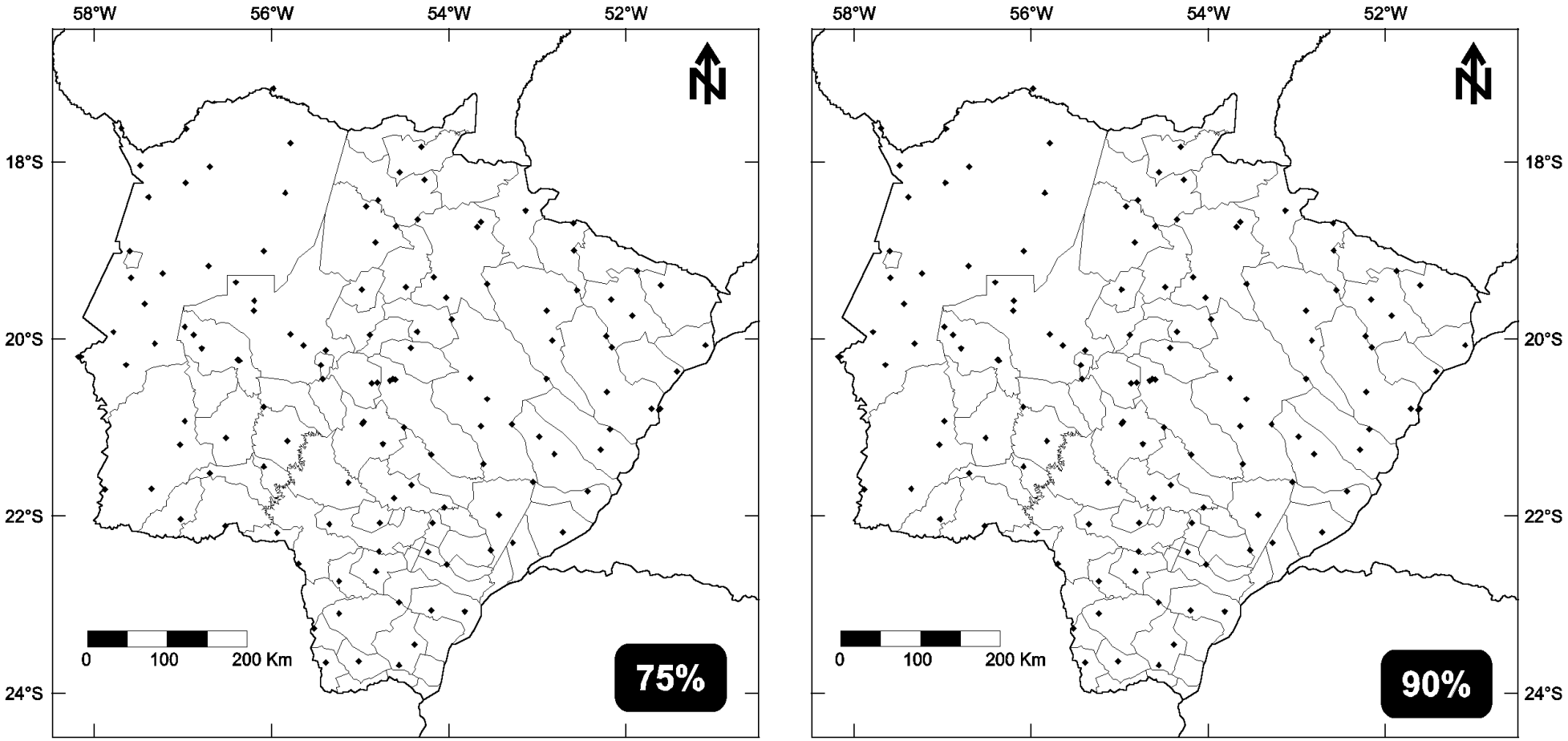

Fig. 16. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de junho. Os pontos representam as estações e postos pluviométricos utilizados.

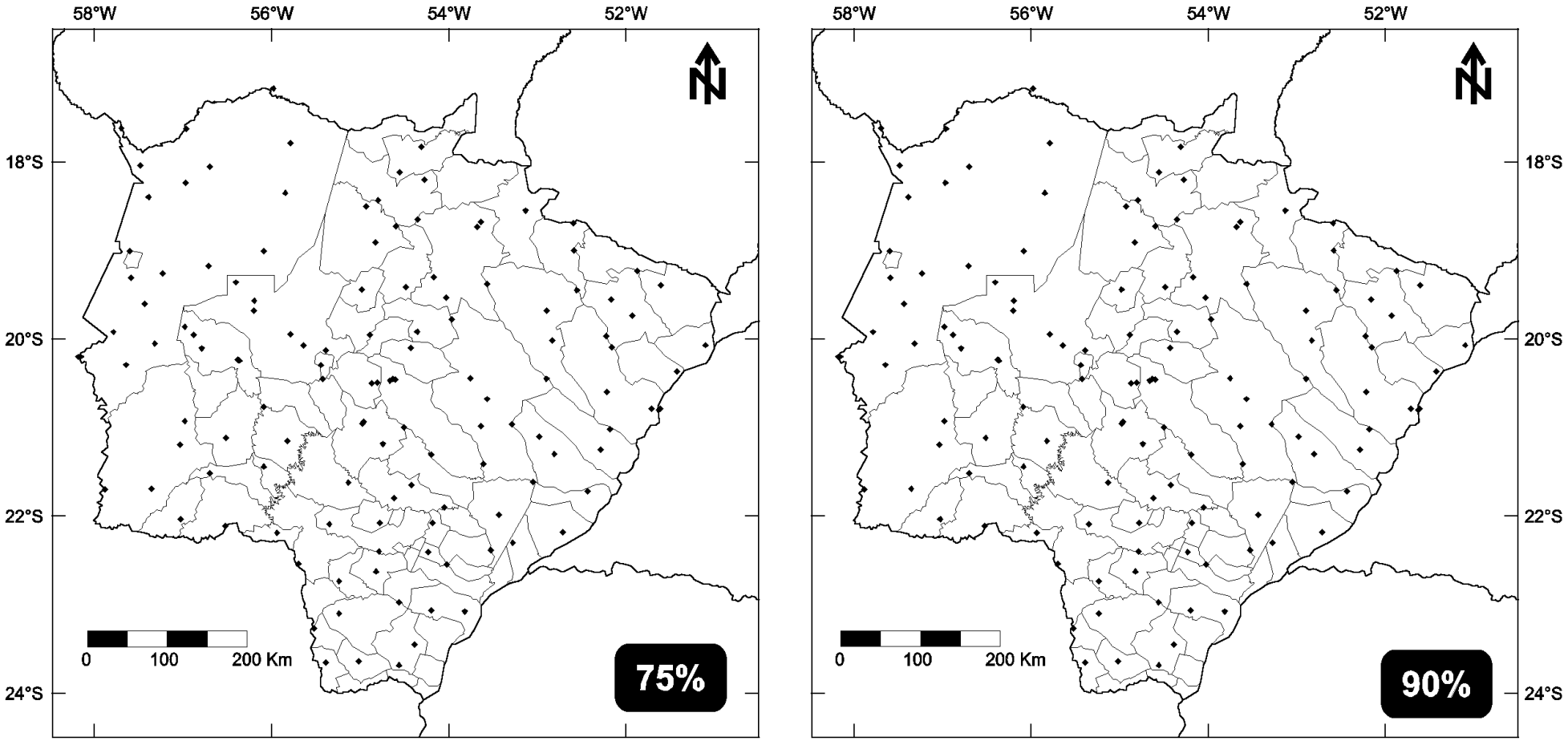

Fig. 17. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de junho. Os pontos representam as estações e postos pluviométricos utilizados.

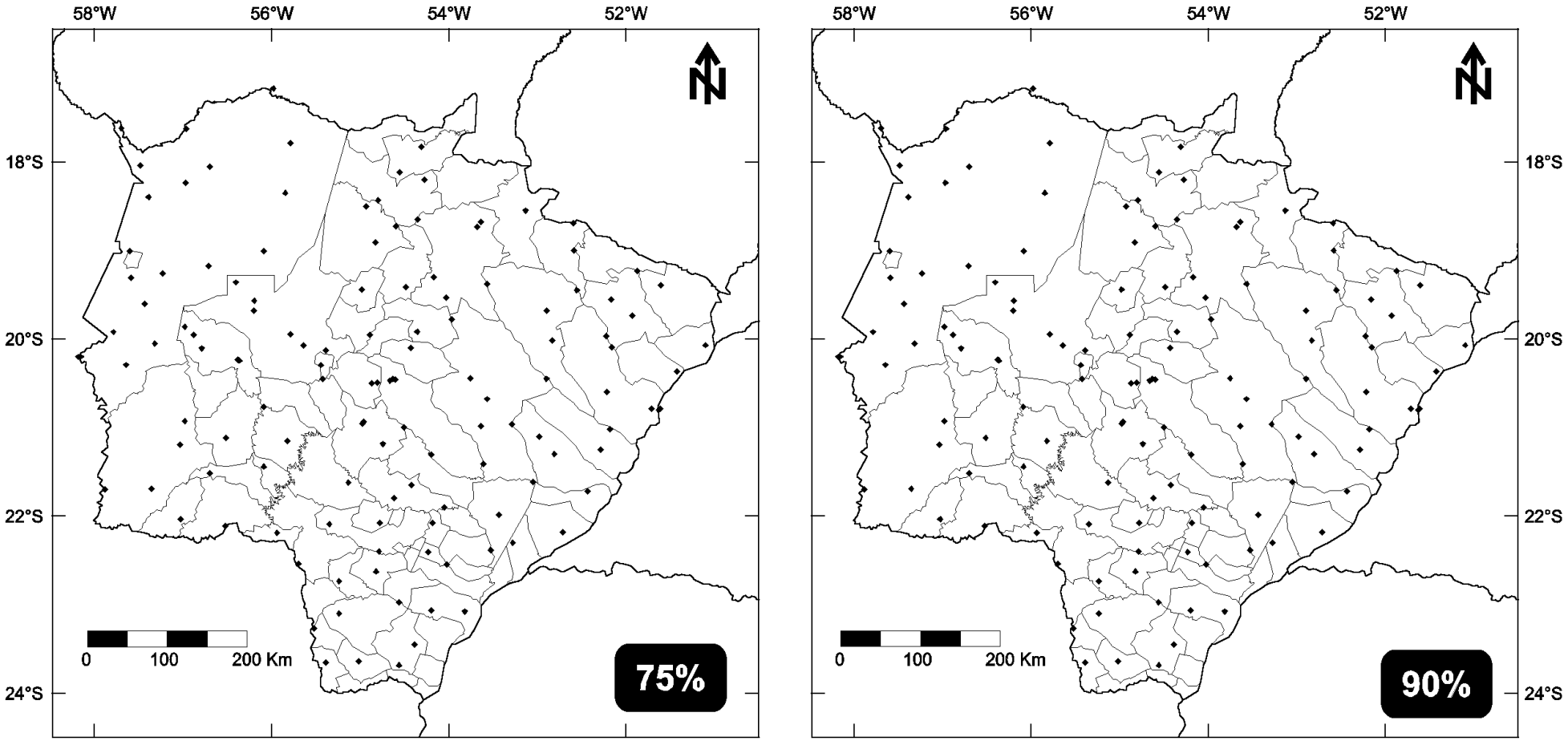

Fig. 18. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de junho. Os pontos representam as estações e postos pluviométricos utilizados.

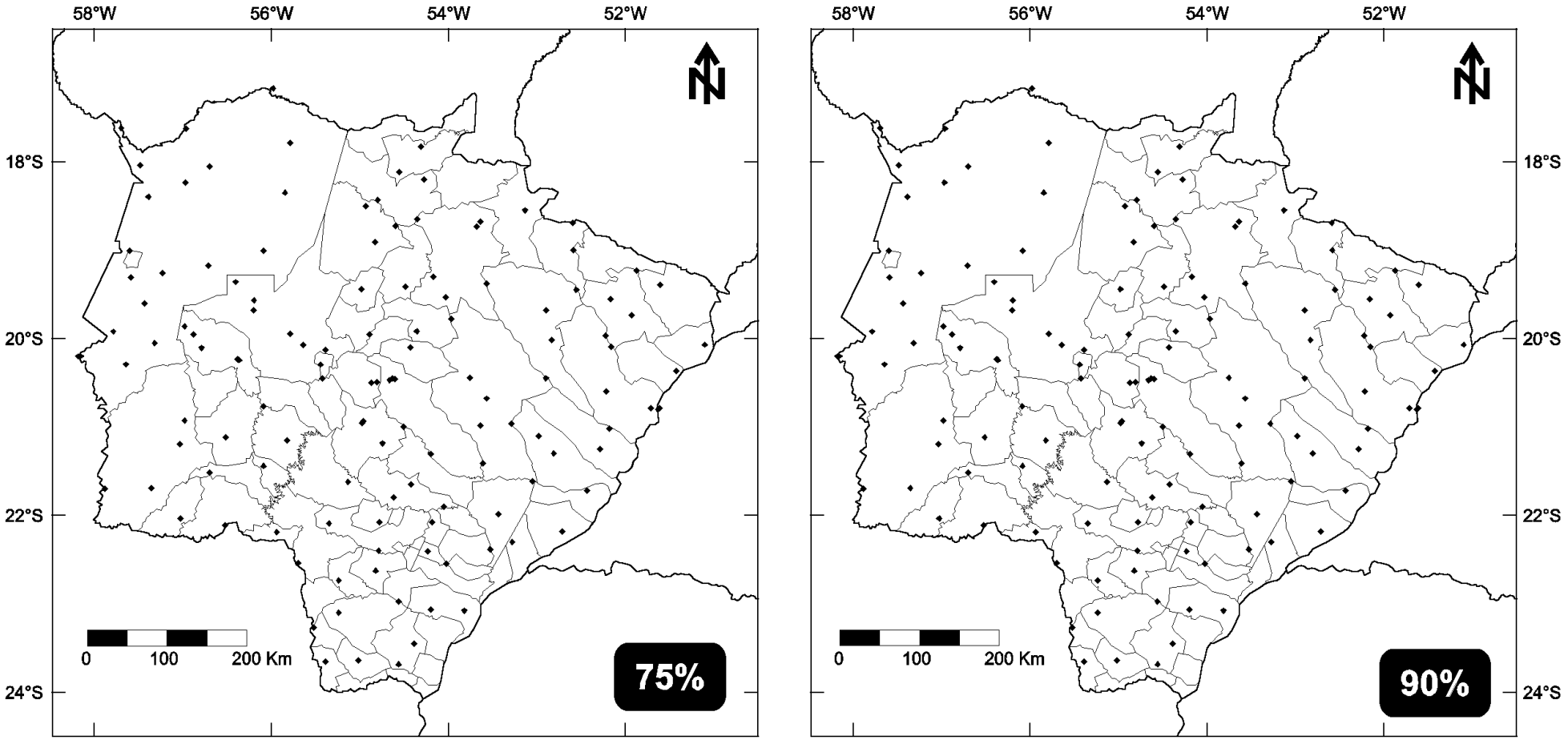

Fig. 19. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de julho. Os pontos representam as estações e postos pluviométricos utilizados.

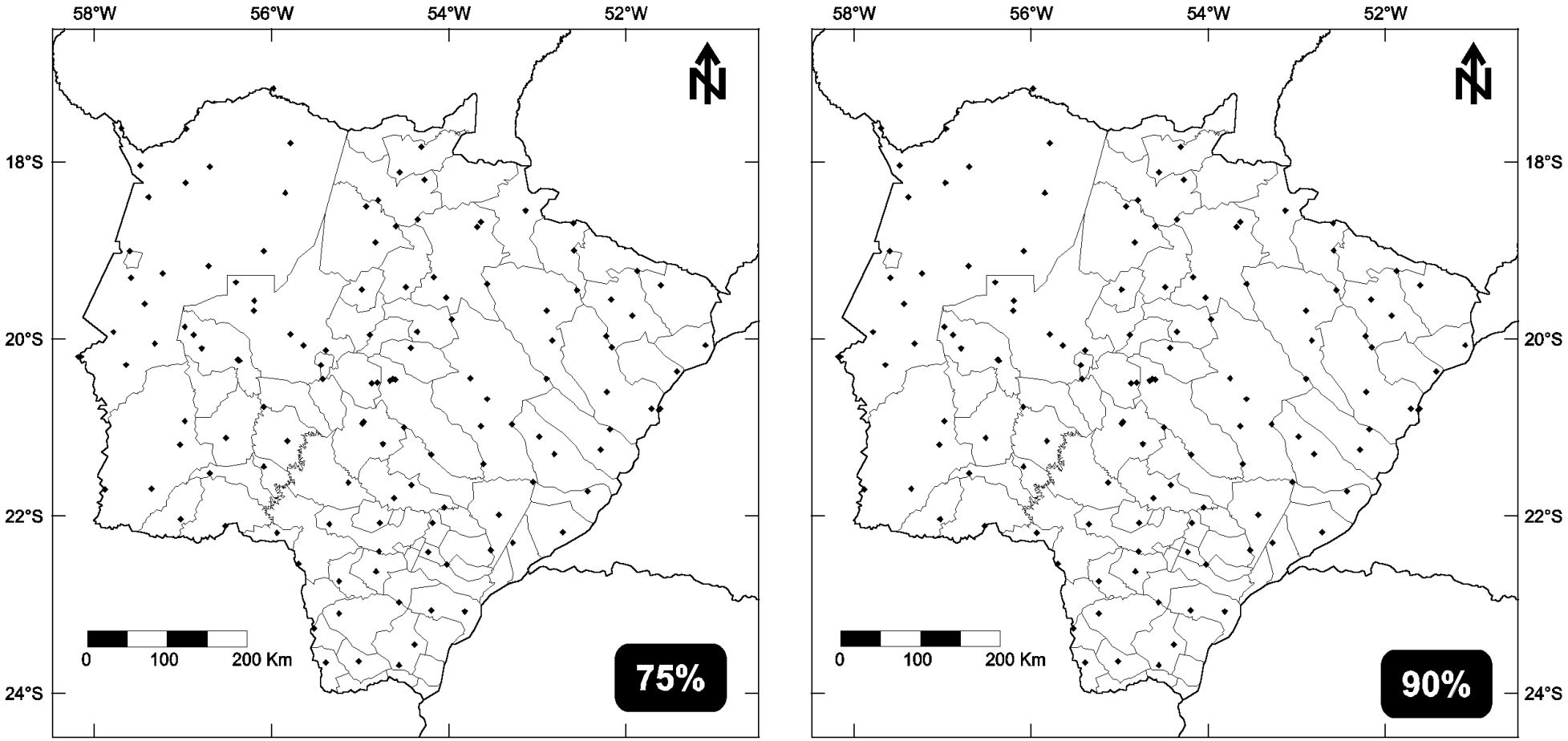

Fig. 20. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de julho. Os pontos representam as estações e postos pluviométricos utilizados.

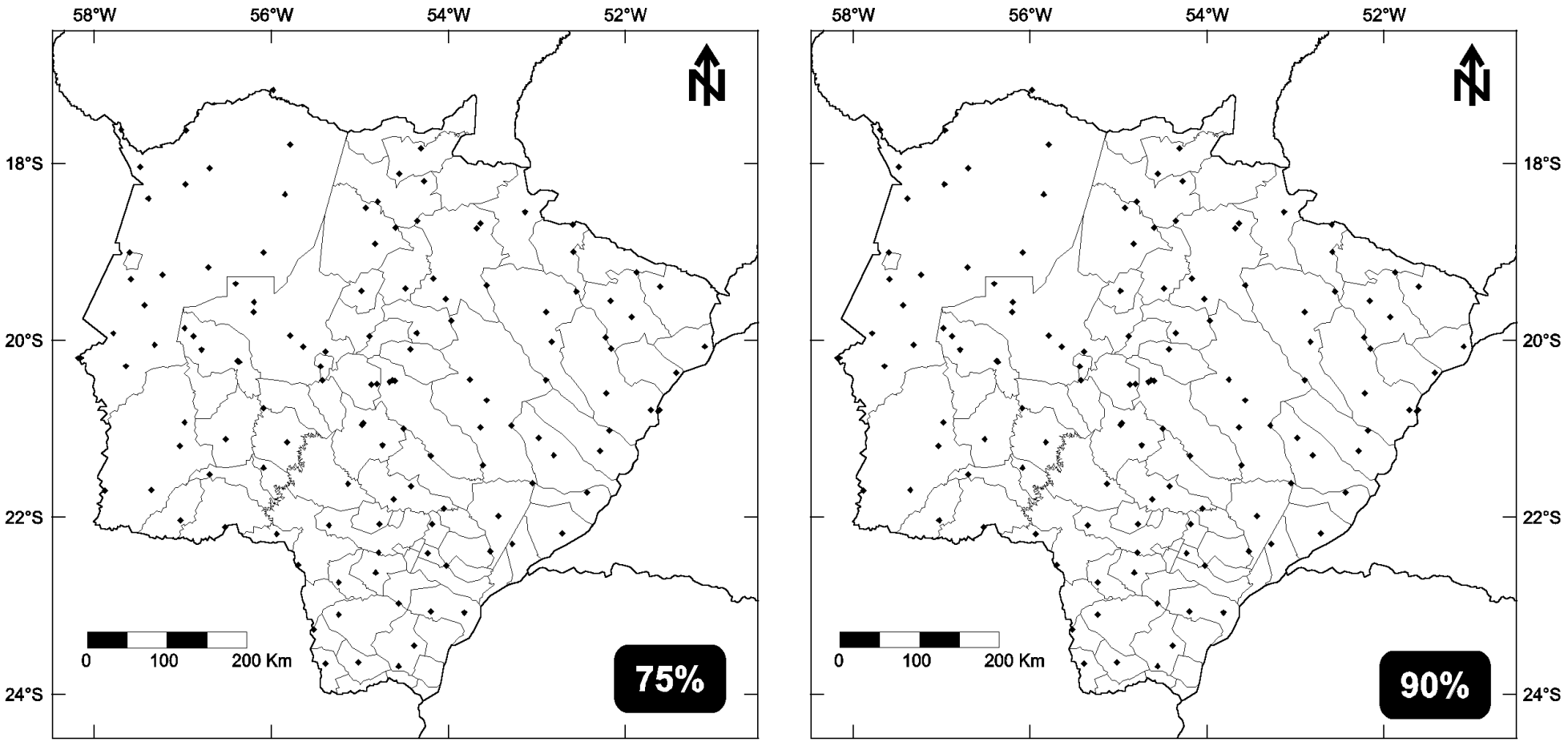

Fig. 21. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de julho. Os pontos representam as estações e postos pluviométricos utilizados.

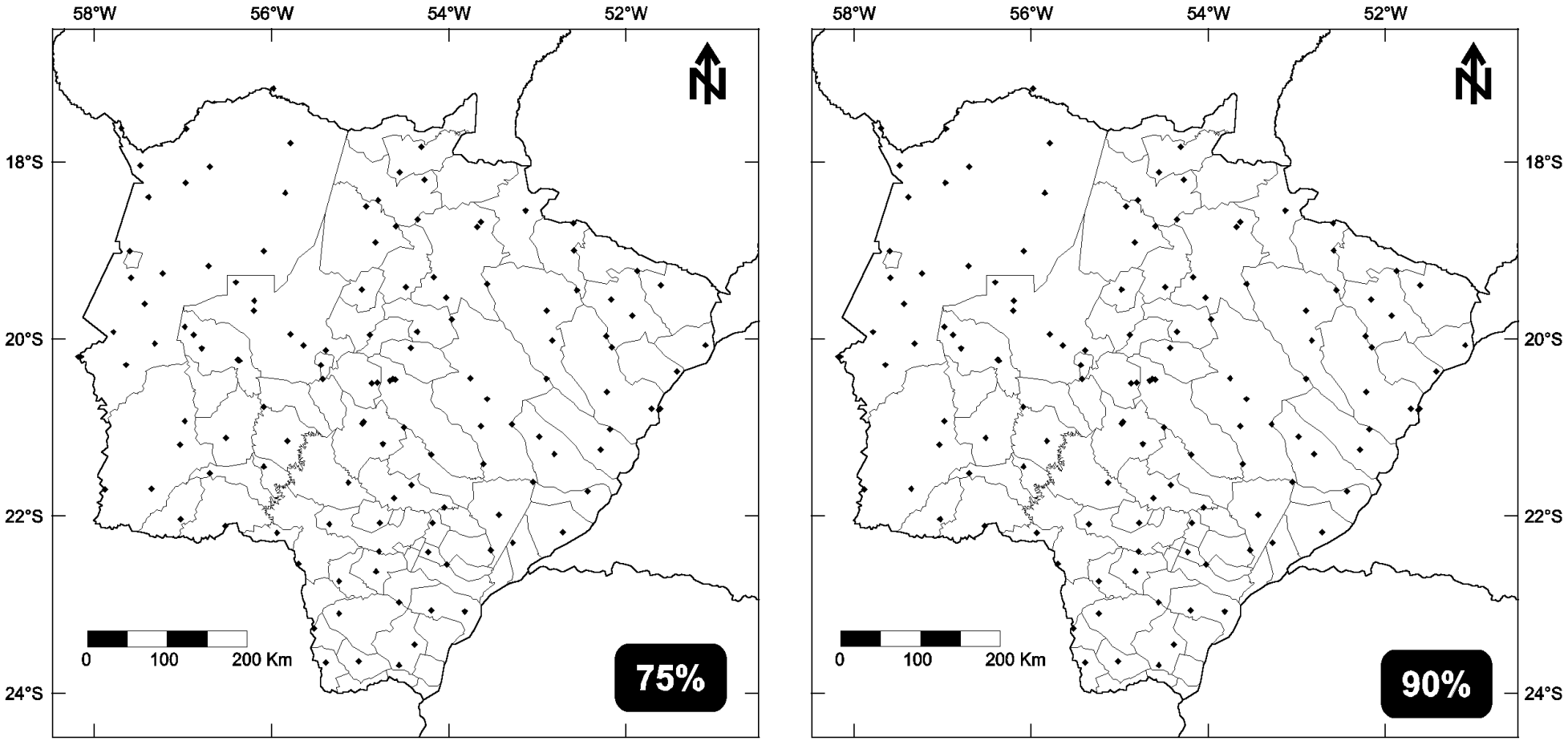

Fig. 22. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de agosto. Os pontos representam as estações e postos pluviométricos utilizados.

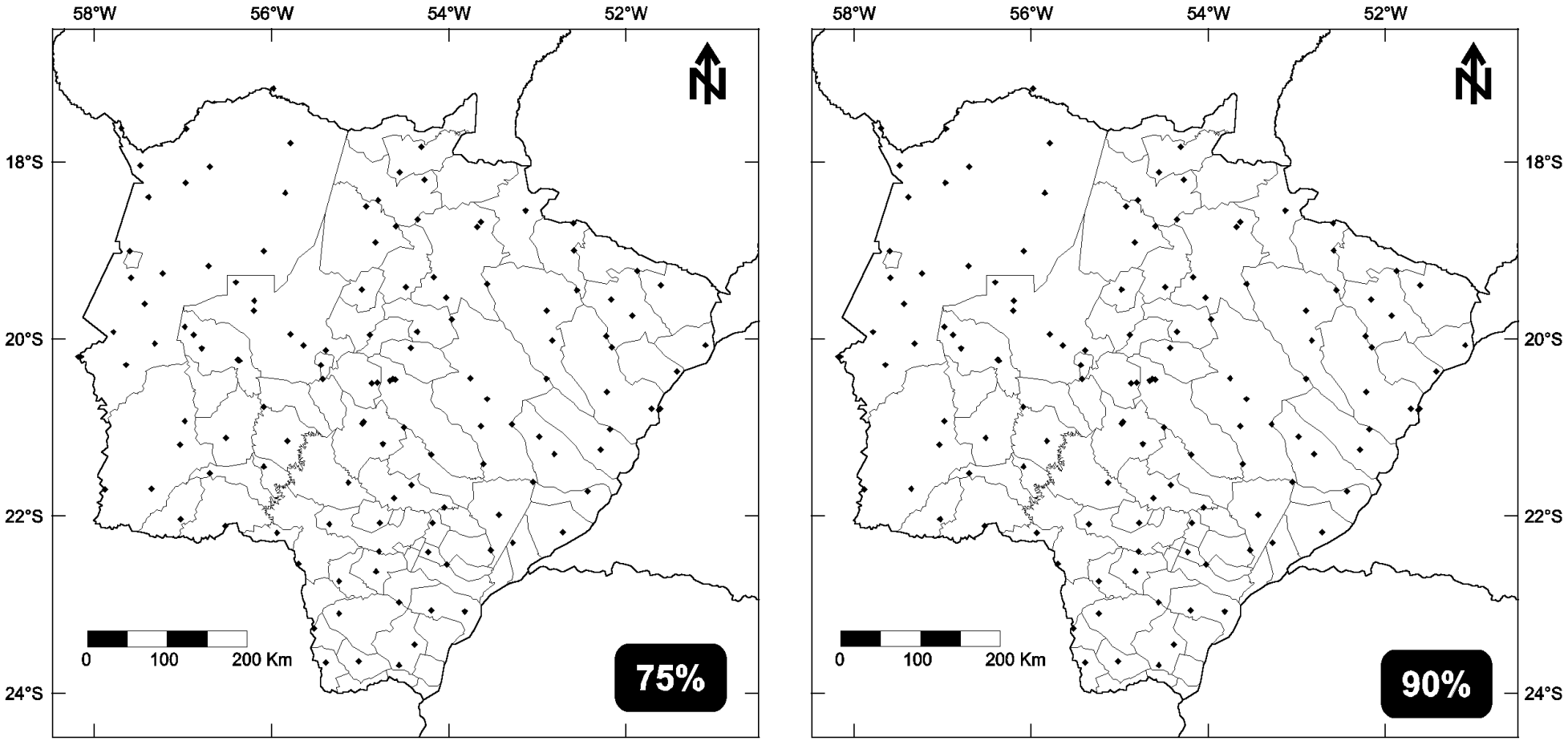

Fig. 23. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de agosto. Os pontos representam as estações e postos pluviométricos utilizados.

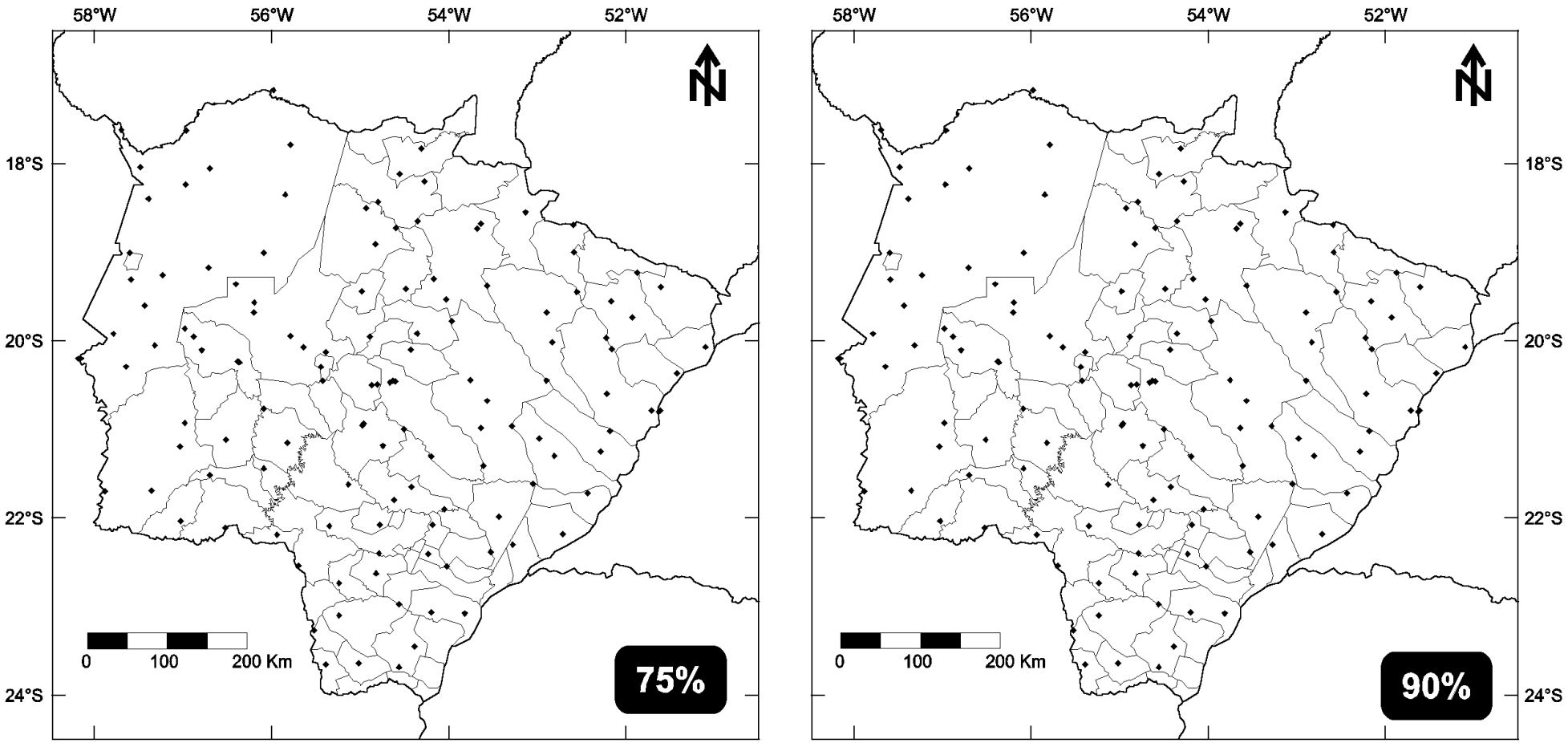

Fig. 24. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de agosto. Os pontos representam as estações e postos pluviométricos utilizados.

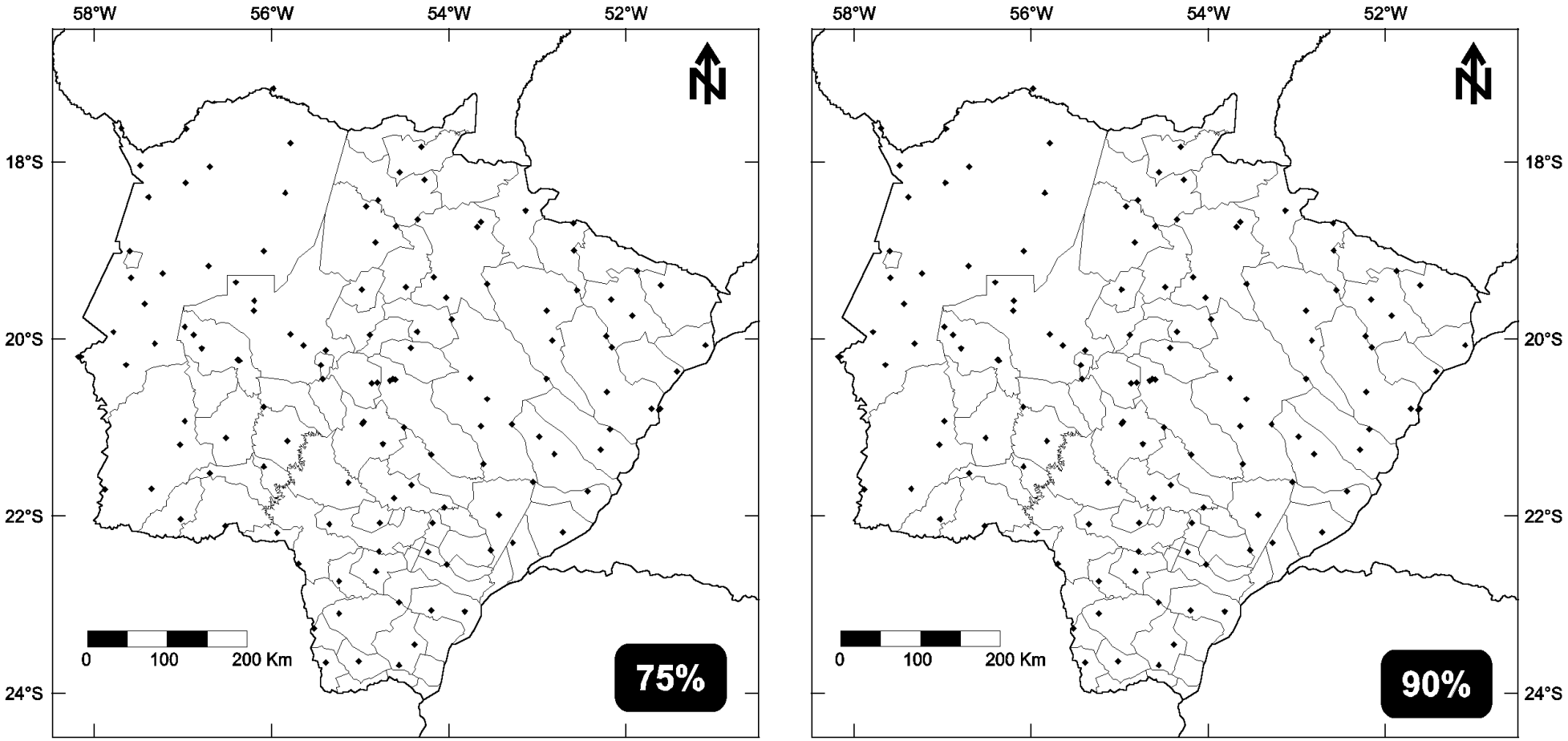

Fig. 25. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de setembro. Os pontos representam as estações e postos pluviométricos utilizados.

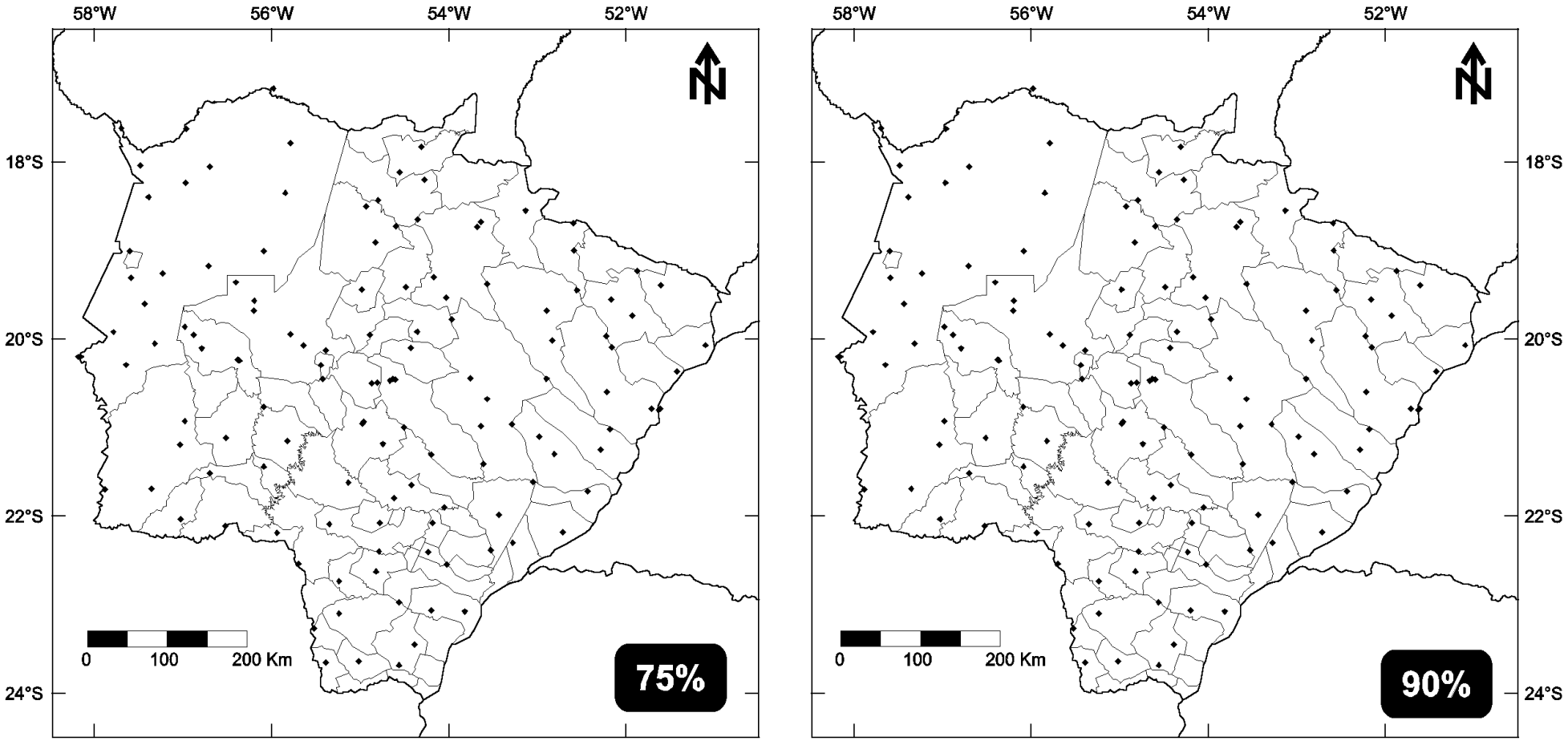

Fig. 26. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de setembro. Os pontos representam as estações e postos pluviométricos utilizados.

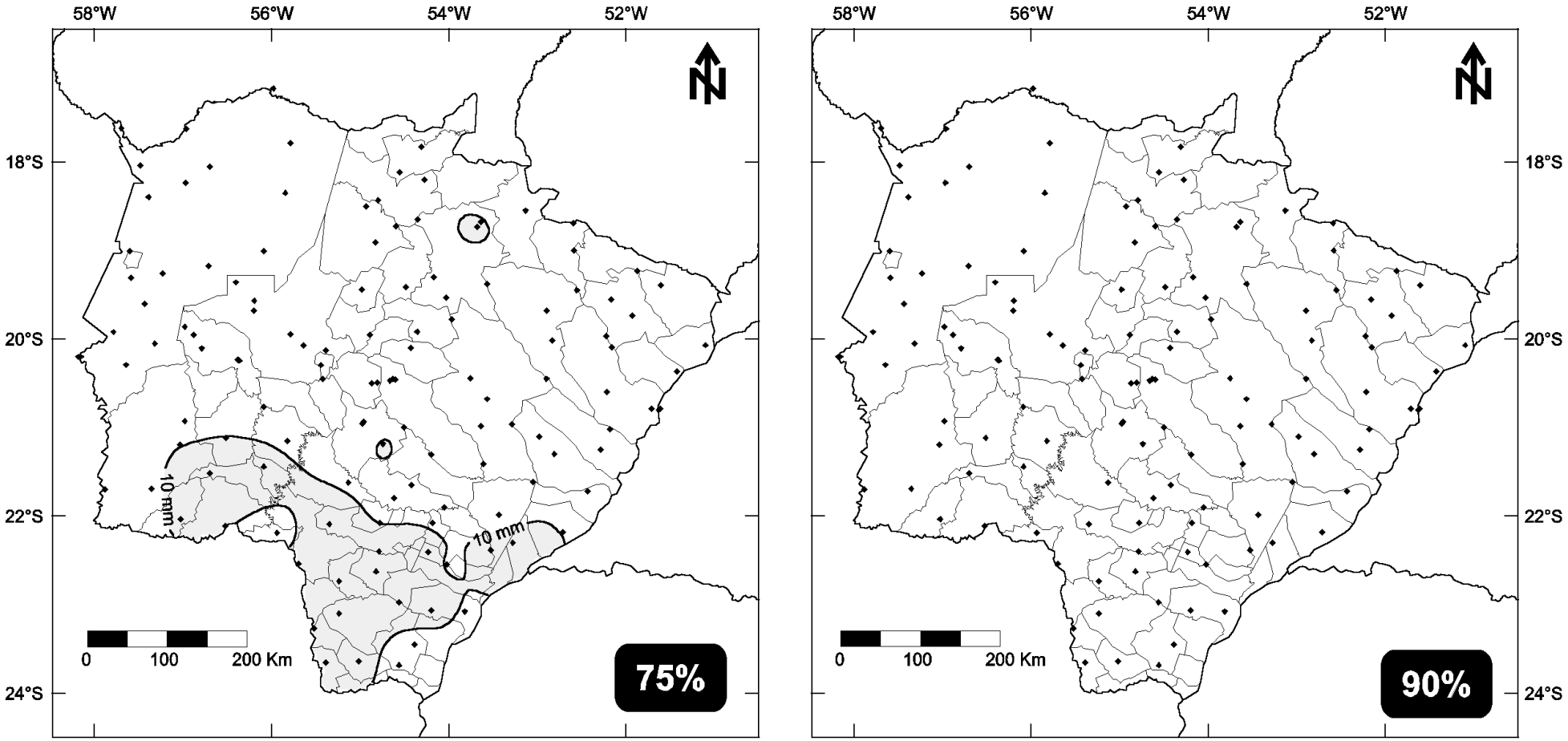

Fig. 27. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de setembro. Os pontos representam as estações e postos pluviométricos utilizados.

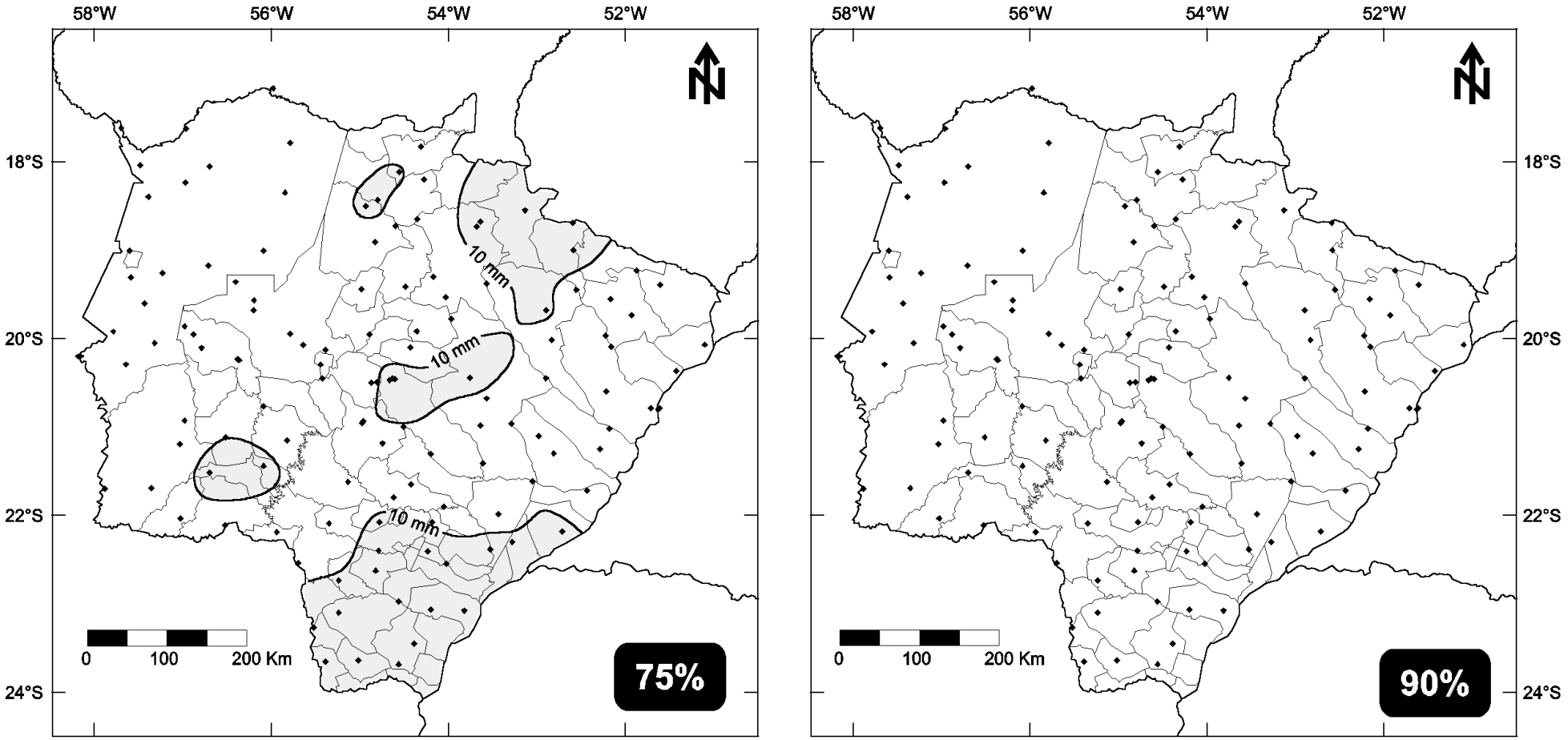

Fig. 28. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de outubro. Os pontos representam as estações e postos pluviométricos utilizados.

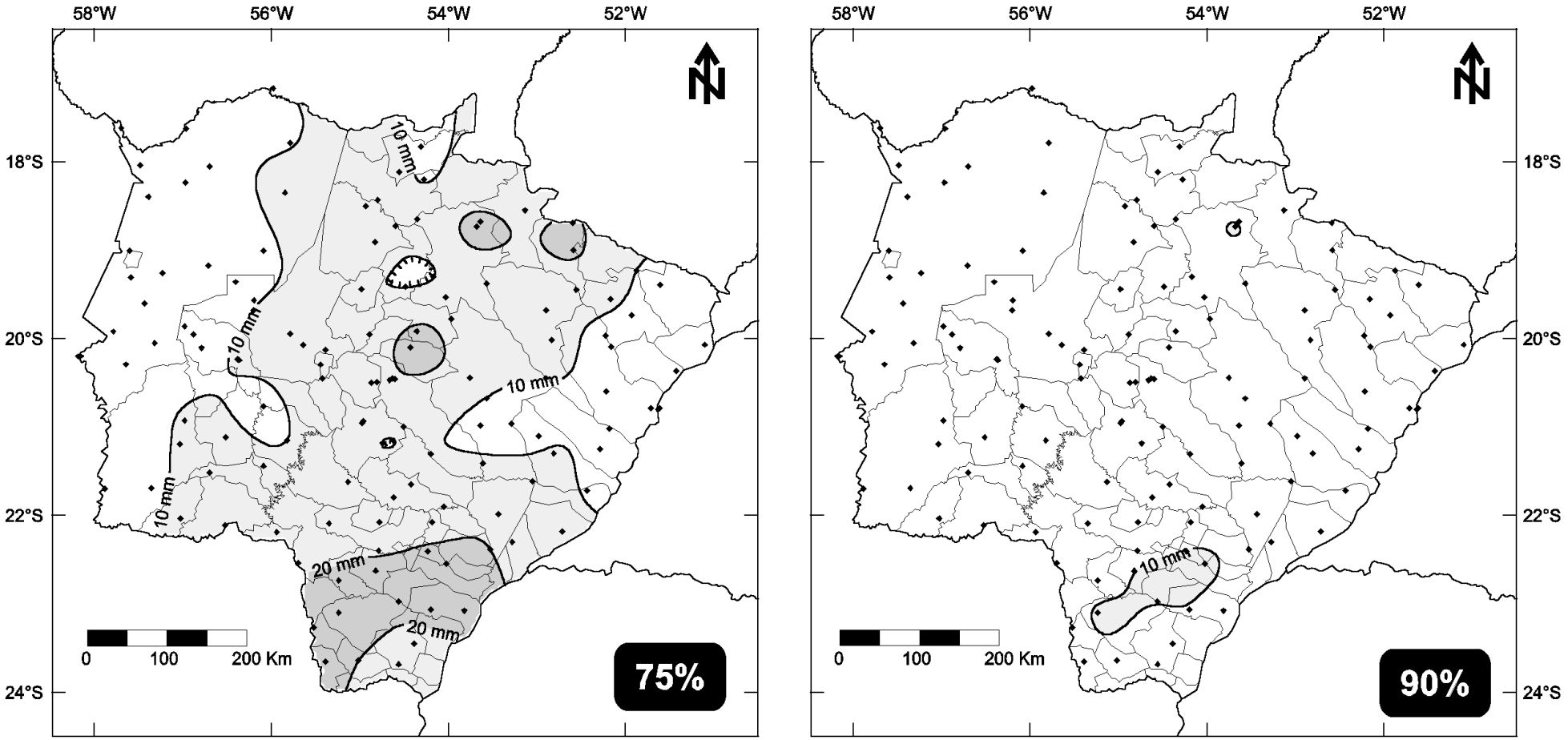

Fig. 29. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de outubro. Os pontos representam as estações e postos pluviométricos utilizados.

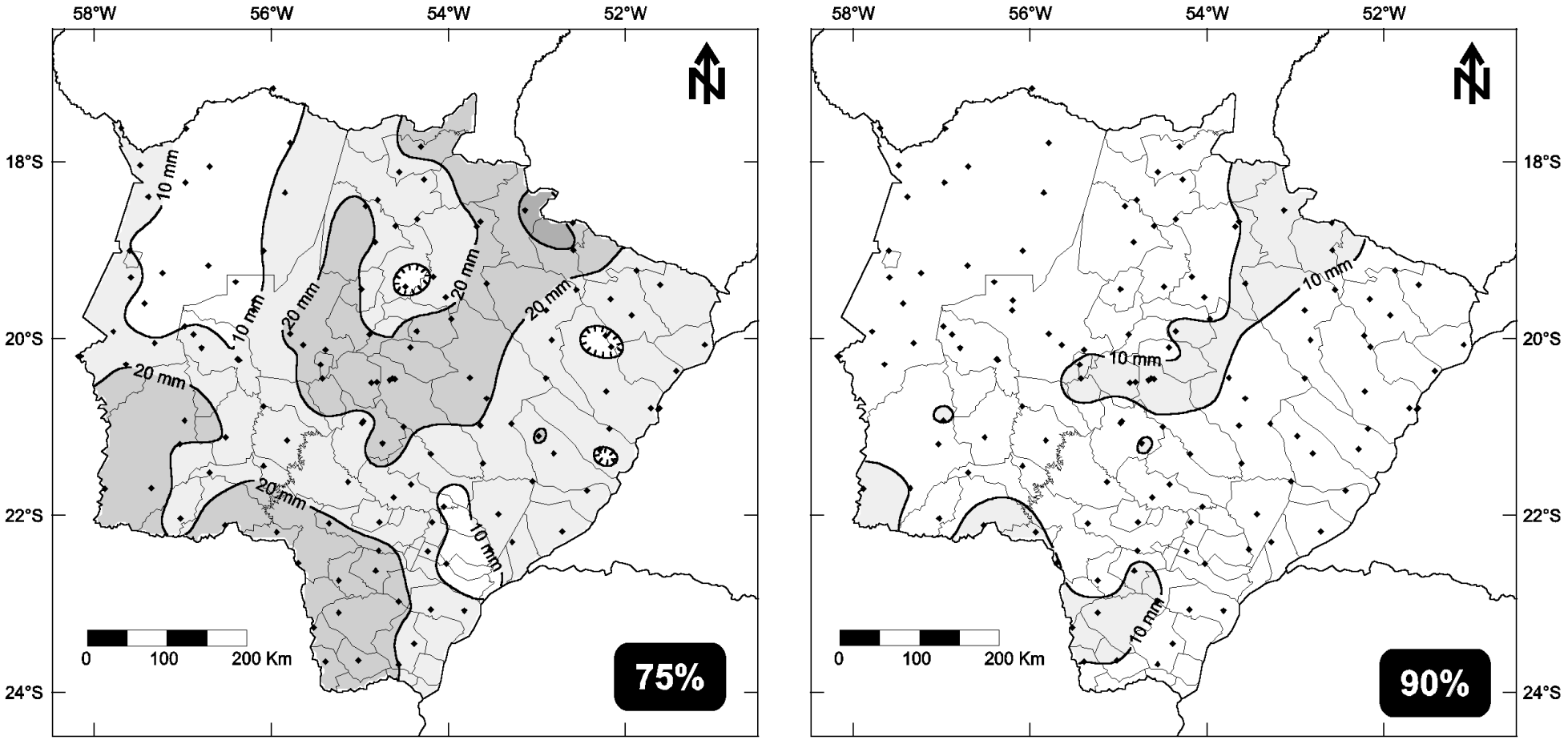

Fig. 30. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de outubro. Os pontos representam as estações e postos pluviométricos utilizados.

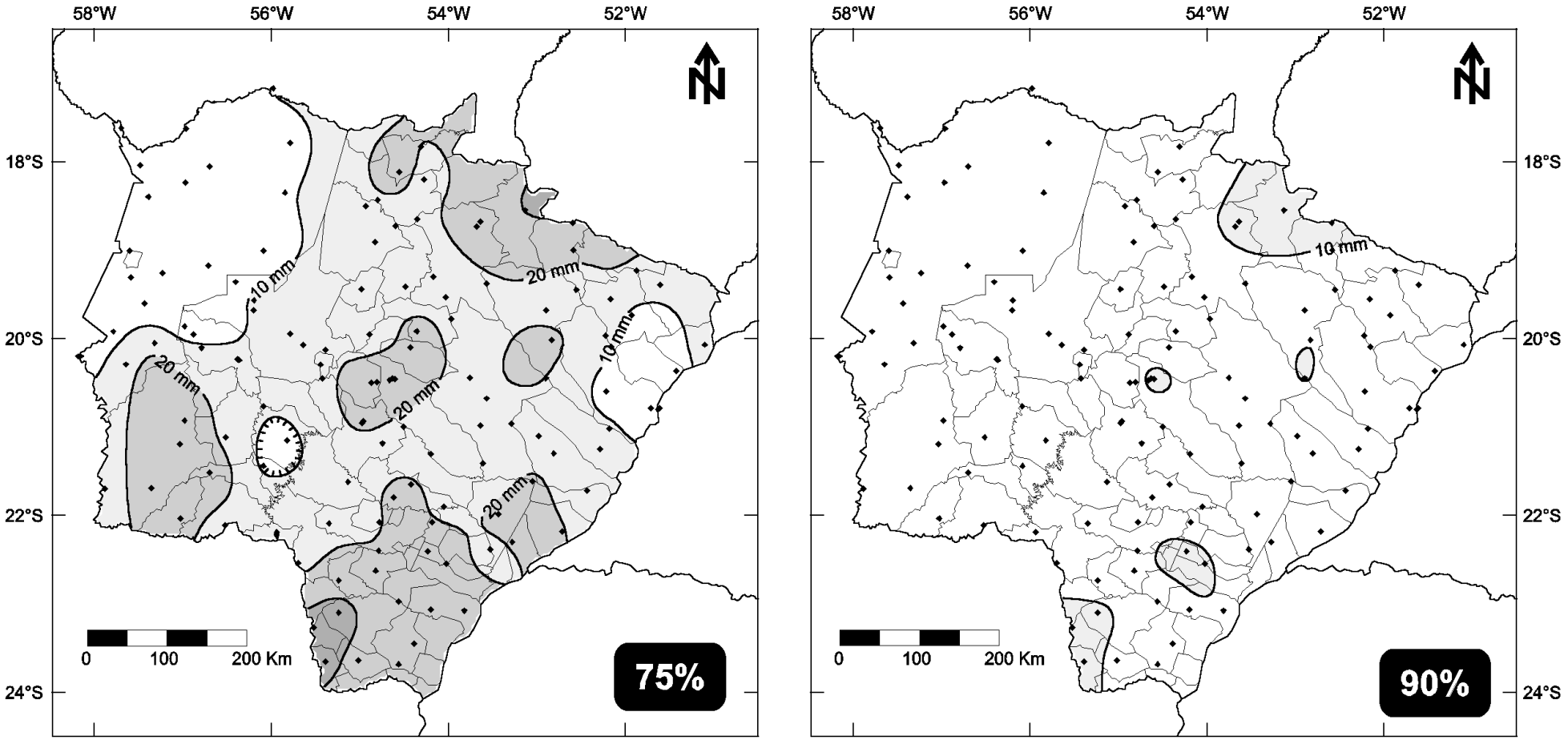

Fig. 31. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de novembro. Os pontos representam as estações e postos pluviométricos utilizados.

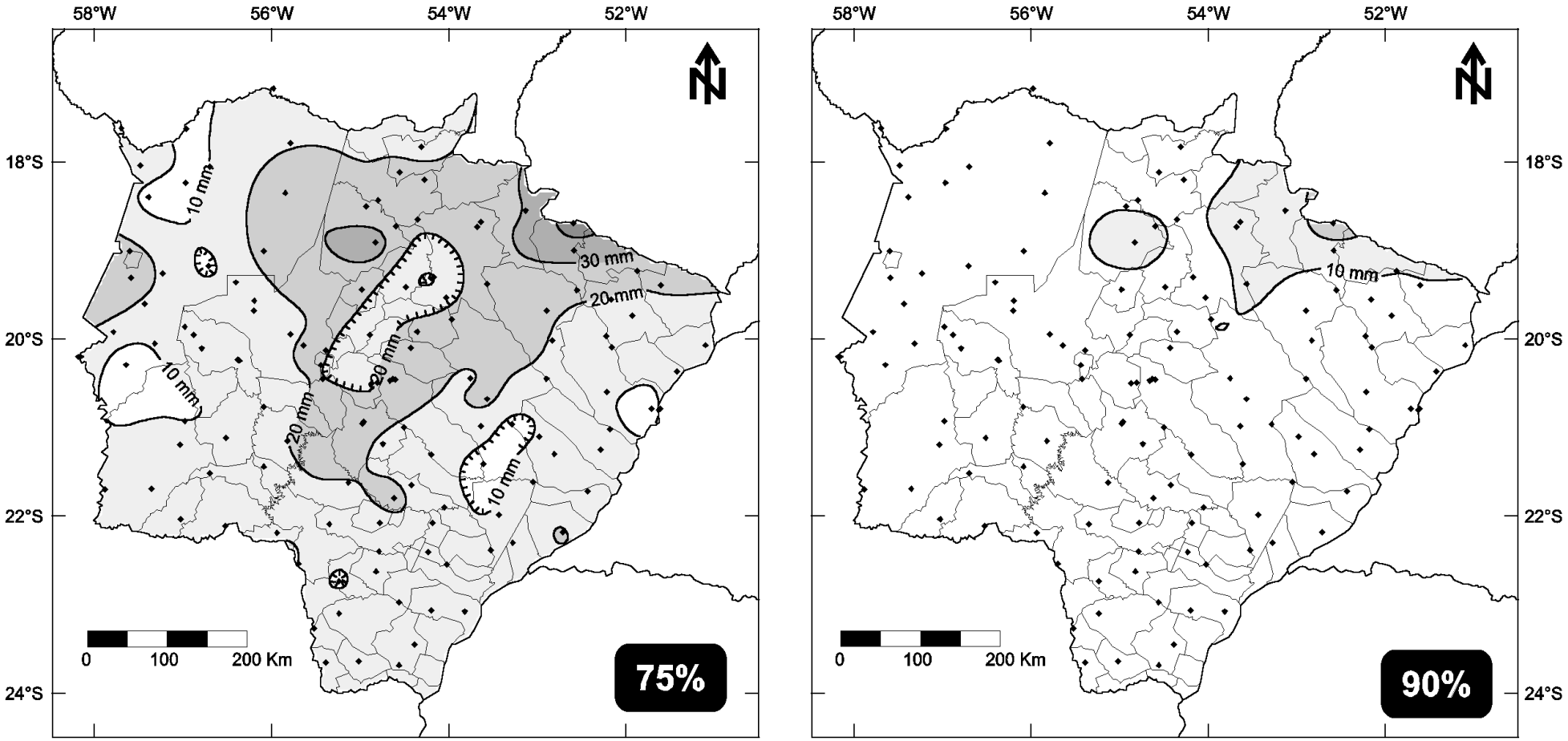

Fig. 32. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de novembro. Os pontos representam as estações e postos pluviométricos utilizados.

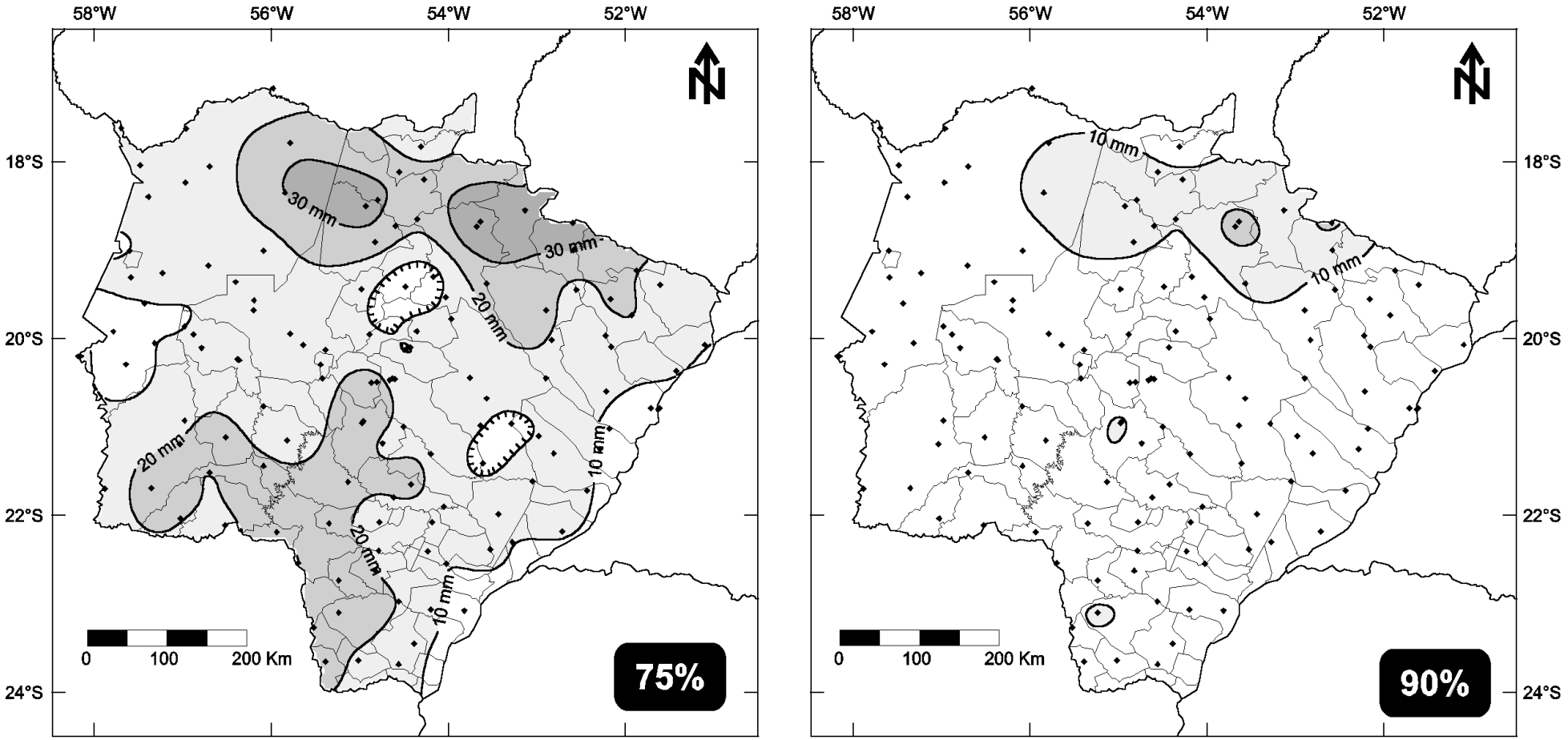

Fig. 33. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de novembro. Os pontos representam as estações e postos pluviométricos utilizados.

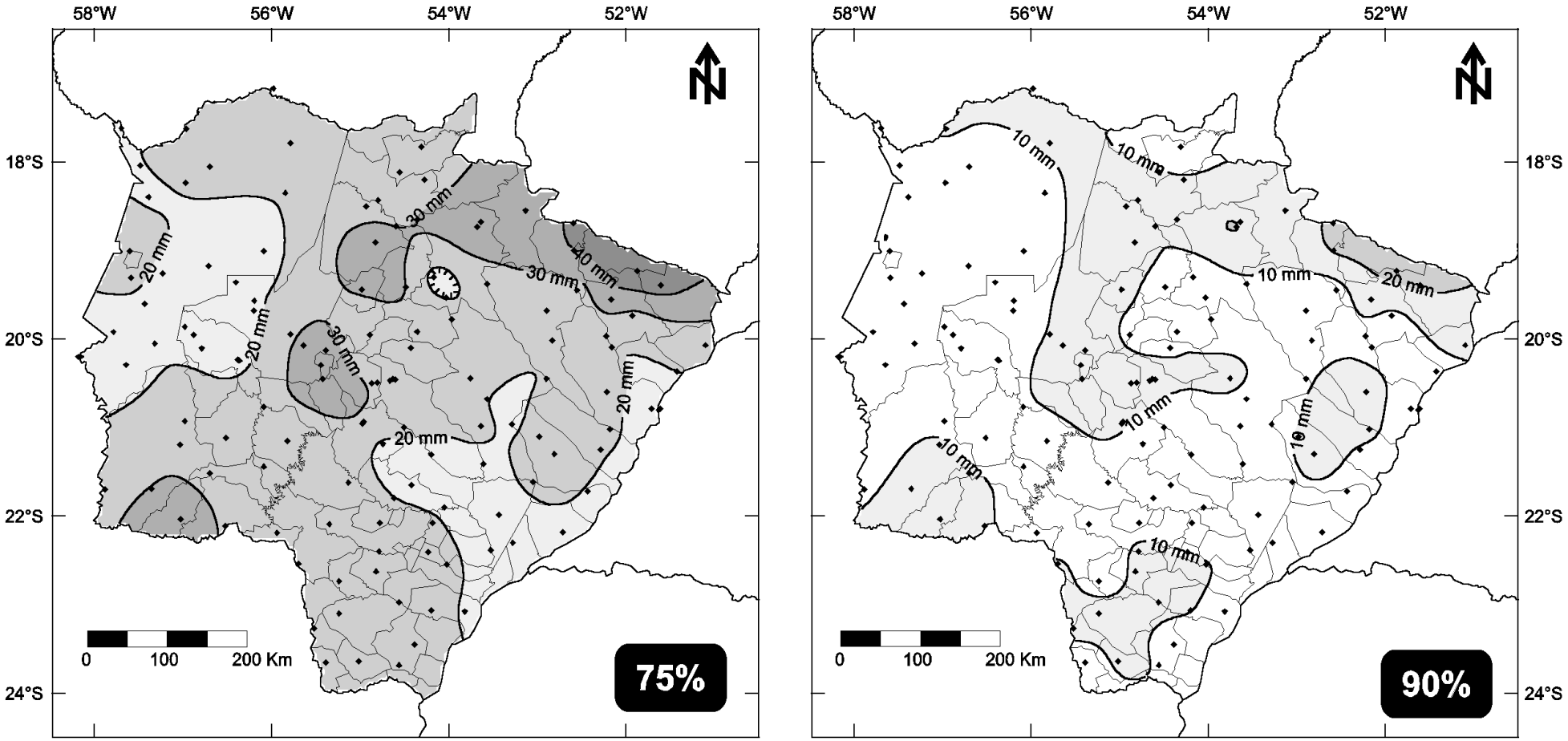

Fig. 34. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no primeiro decêndio de dezembro. Os pontos representam as estações e postos pluviométricos utilizados.

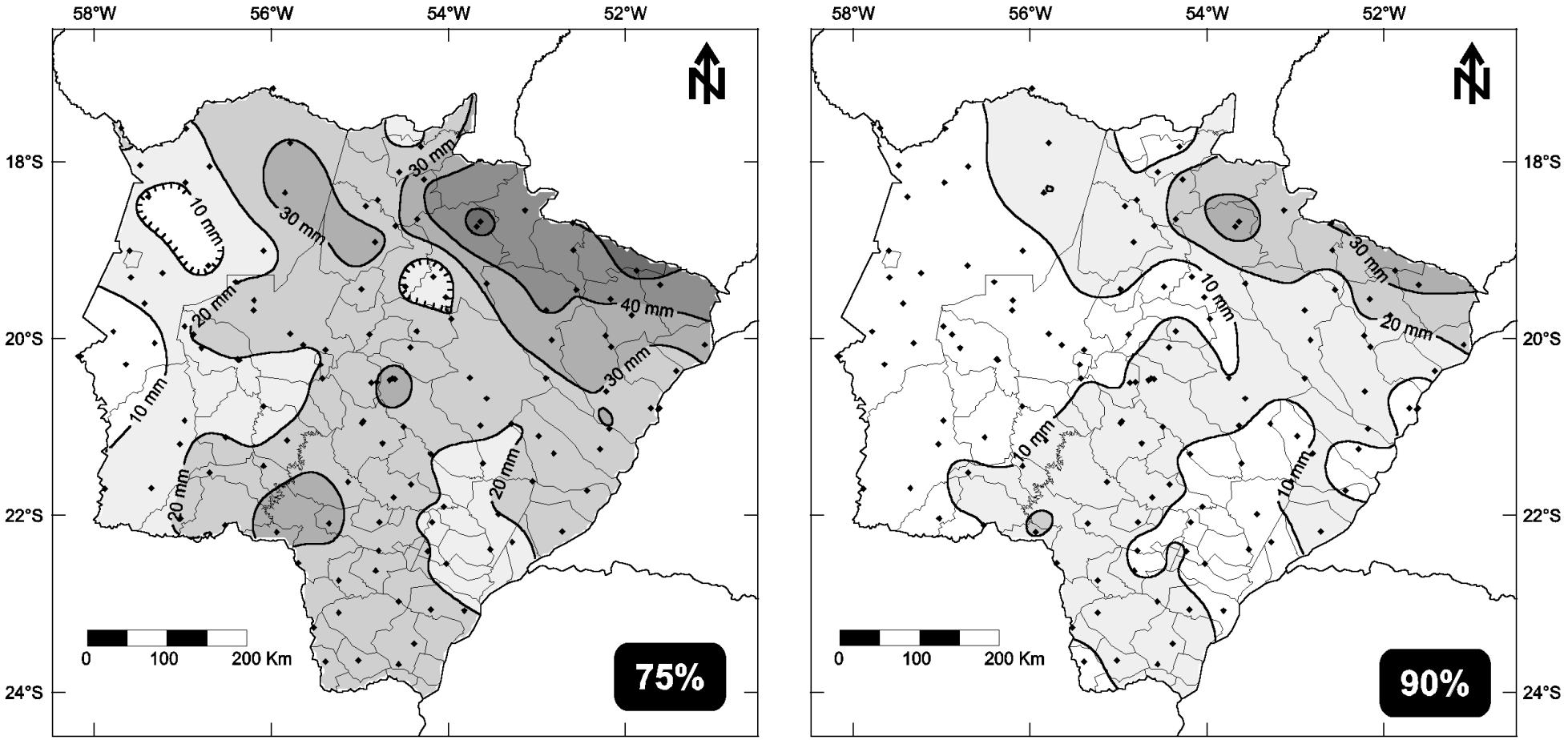

Fig. 35. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no segundo decêndio de dezembro. Os pontos representam as estações e postos pluviométricos utilizados.

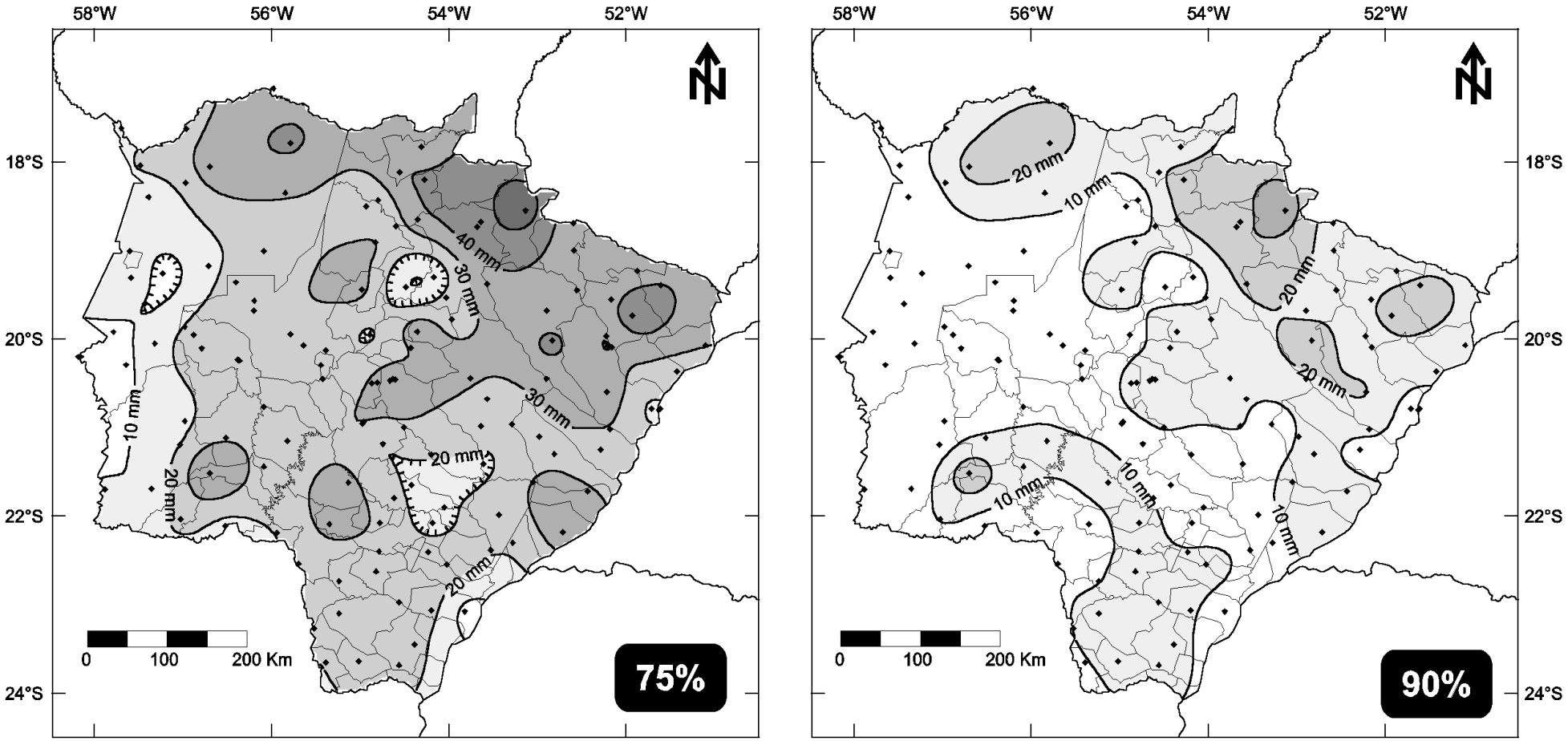

Fig. 36. Espacialização dos dados de precipitação pluviométrica com 75% e 90% de probabilidade de ocorrência no Estado de Mato Grosso do Sul no terceiro decêndio de dezembro. Os pontos representam as estações e postos pluviométricos utilizados.

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