
6.1. Pesquisadores: Aroldo Gallon Linhares e Paulo Fernando Bertagnolli

6.2. Objetivos

Acompanhar o comportamento das cultivares recomendadas nas diferentes regiões produtoras do Rio Grande do Sul quanto à capacidade de rendimento de grãos. Os dados são importantes como subsídio para decisões relacionadas com a manutenção ou com a retirada de cultivares da lista de recomendação, bem como para alterações na indicação como preferencial ou como tolerada.

6.3. Metodologia

Os dados foram obtidos do Ensaio de Cultivares de Soja Recomendadas para o Rio Grande do Sul, conduzido nos diferentes locais pelas seguintes instituições: Associação dos Produtores de Semente do Rio Grande do Sul - APASSUL, Centro Nacional de Pesquisa de Trigo (CNPT) - EMBRAPA, Centro Nacional de Pesquisa de Terras Baixas (CPATB) - EMBRAPA, Fundação Centro de Experimentação e Pesquisa FECOTRIGO - FUNDACEP-FECOTRIGO e pelo Instituto de Pesquisas Agronômicas - IPAGRO-SAA/RS.

A análise conjunta foi feita considerando-se os ensaios por grupo de maturação (ciclo precoce, médio e tardio) e que apresentassem coeficiente de variação inferior a 16%.

Além da análise de variação, calculou-se a produção relativa em função da cultivar mais produtiva por grupo de maturação e na comparação geral.
O ensaio de ciclo precoce de Cangussú, os de ciclo médio de Cangussú, de Passo Fundo e de Sta. Vitória do Palmar e os de ciclo tardio de Cangussú e de Passo Fundo não foram incluídos na análise conjunta por terem apresentado coeficiente de variação superior a 16%..

Os ensaios instalados em Sto. Angelo foram perdidos por razão de seca. Em Capão do Leão e em Sta. Vitória do Palmar também houve problema de seca mas, no segundo local, os ensaios receberam duas irrigações.

Em Santa Rosa foi conduzido apenas o ensaio de cultivares de ciclo médio e, em Ibirubá, não foi conduzido o de cultivares de ciclo precoce.

6.4. Resultados

A análise conjunta da variação para rendimento de grãos mostrou que não houveram diferenças significativas entre as cultivares precoces e entre as tardias, mas houve significância ao nível de 1% para as de ciclo médio (Tabela 1). A interação entre locais e tratamentos mostrou-se altamente significativa para os três grupos de ciclo. Considerando-se o ciclo de maturação, em valores absolutos, verifica-se que, na média, as cultivares de ciclo médio apresentaram valores de rendimento (3.382 kg/ha) superiores aos das cultivares de ciclo precoce (2.970 kg/ha) e de ciclo tardio (2.733 kg/ha).

Observando-se o desempenho das cultivares nos diferentes locais (Tabela 2), verifica-se que os maiores valores de rendimento foram obtidos nos ensaios em Augusto Pestana, com médias de 4.468, 4.186 e 3.857 kg/ha, respectivamente para os materiais de ciclo médio, precoce e tardio. Os menores valores médios de rendimento ocorreram em Capão do Leão, atribuídos a problemas de seca.
Na média dos diferentes locais e também em termos de valores absolutos, a cultivar IAS 4 apresentou o valor de rendimento mais elevado (3.575 kg/ha), seguida de outras sete cultivares do mesmo grupo.

Os dados referentes ao ciclo (Tabela 3), à altura de planta (Tabela 4) e ao peso de 100 sementes (Tabela 5) são parciais, pois as observações não foram uniformes, nos diferentes locais.
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NS Não significativo.
* Nível de significância 5% de probabilidade.
** Nível de significância 1% de probabilidade.

| Ciclo Tardio | Cobb | 4.133 | 3.383 | 2.088 | 3.584 | 3.791 | 0.822 | 3.642 | 2.246 | 1.892 | 1.234 | 2.934 | 0.878 | 2.849 | 100 | 88 |

*Ensaios não incluídos na análise conjunta por terem apresentado C.V. maior que 16%.*

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Tabela 5. Peso médio de 100 sementes das cultivares recomendadas de soja, em locais do Rio Grande do Sul, ano agrícola 88/89. EMBRAPA-CNPT, 1989

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