

Kraft lignin

Kraft lignin-based controlled release
formulation for pest control

Photos: Sívrio Vaz Jr.



Embrapa
Agroenergy



Kraft lignin-based controlled release formulation for pest control

Raw material

Kraft lignin

Process

Blending followed by adsorption and subsequent desorption

End product

Cis-Jasmone paste

A formulation that uses lignin obtained by precipitation of black liquor from the kraft pulping process of the pulp and paper industry as an inert material for adsorption and desorption of the semiochemical cis-Jasmone for use in integrated pest management (IPM), through controlled release.

Applications

- + Pest control (insects) in cultivated areas.

Advantages

- + Easy-to-use technology.
- + Controlled release of semiochemicals for pest control.
- + Adding value to the product.
- + Product already validated in cotton growing fields.

Stage ► TRL/MRL 5 - Lab scale

Take this technology to another stage



Research with us for other potential uses



Make this technology the basis of your incubated company

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