Technical Data Sheet

Agroenzymas

PENETRANT - EMULSIFIER

Agrex® F

GENERAL INFORMATION

Category	Adjuvant, Penetrant, Dispersant, Humectant, and Antifoaming Agent
Guarantee of composition	Composition_____ %w/w Mixture of nonionic surfactants _____29.9% Dioctyl sulfosuccinate _____2,3 Diluents and Conditioners _____67,8% Total_____100,00%
Key feature	**Agrex®F** is a nonionic co-adjuvant whose main characteristic is to function as a penetrating agent, dispersant, humectant, antifoaming agent, and emulsifier.
Manufacturer/ Formulator/ Distributor	IQ Chemicals & Labs S.A. de C.V. IQ Chem & Labs S.A. de C.V. Agroenzymas México S.A. de C.V.
Registration	In accordance with the regulations of the law, as of March 28, 2005, co-adjuvants are not required to register with COFEPRIS.

Technical Data Sheet

MODE OF ACTION AND EFFICACY:

Agrex®F is an agricultural co-adjuvant with penetrating, dispersing, wetting, and anti-foaming properties.

The emulsifying property of Agrex®F allows the mixing of products that are incompatible under normal conditions, such as water with mineral oils and other similar products. Adding **Agrex®F** to the mixture allows for a homogeneous mixture of these products with the benefits of uniform distribution in agricultural spraying. **Agrex®F** has antifoaming properties, which allows for the formation of foam-free mixtures, facilitates the loading of spray tanks, and promotes considerable savings in energy and application time, which provides:

- Greater solution penetration. Ideal for applying formulations that require easy absorption and application stability due to their penetration and wetting properties. Alkyl surfactants enable penetration, especially of low-polarity fungicides. After two hours, **Agrex®F** compounds enable systemic materials to penetrate the tissue or adhere in such a way that they can no longer be washed off by rain.
- Humectant capacity. Highly hygroscopic free polyhydroxy alcohol ethers contribute to improving the wetting capacity of the product.
- Dispersing property. Its dispersing properties are achieved due to polyethoxylated fatty acid esters of natural origin and nonionic surfactants.
- Humectant By slowing down the evaporation rate of the aqueous phase of the solution after spraying, the contact time is increased, which also improves the transport of the active substance.
- Immediate anti-foaming effect. They reduce surface tension and therefore maximize the contact area, facilitating transport, penetration into the soil, and latency in foliage after application.
- Total solubility at recommended doses.

METHOD OF APPLICATION:

Agrex®F is recommended as an emulsifier for any mixture of water and oil-based agrochemicals, allowing for a homogeneous mixture of the two components and ensuring uniform distribution during spraying. When using Agrex®F as an emulsifier for agricultural mixtures, it should be added at 1% of the amount of oil to be applied at the beginning of the mixture preparation. In addition, this product will provide anti-foaming properties, preventing foam formation in mixtures, wetting properties in the case of mixtures with powdered products, and excellent coverage and rapid penetration of agrochemicals.

SPECIAL PRECAUTIONS:

Follow the recommendations for use of the product:

• Do not pour the product directly onto water bodies or areas where runoff occurs. • Dispose of empty containers and product residues in accordance with local regulations. • Follow good agricultural practices. • Do not dispose of empty product containers or packaging on the ground, in rivers, lakes, lagoons, or other bodies of water. • Do not pour leftover product or water used to wash application equipment onto soil, into rivers, lakes, ponds, or other bodies of water.

GENERAL RECOMMENDATIONS:

Agrex®F is recommended for use in any water-agrochemical mixture requiring an acidic pH condition, which prevents the degradation of ingredients by alkaline hydrolysis and makes their activity more efficient.

Technical Data Sheet

COMPATIBILITY:

Agrex®F should be shaken before use and can be mixed with most neutral or acidic agrochemicals as it does not present compatibility issues.

Foliar treatment mixed with:	Agrex® F dosage	Method of application	Application period
Plant Nutrients	Add 1 ml of water to the mixture and, for crops with waxy leaves or villi, add twice the above dose.	Aerial or ground spraying	Whenever you apply
Treatment of rice, oat, barley, and broomcorn millet seeds mixed with commonly used plant nutrients.	Add 1 mL/L of water to the mixture to be used.	Seed spraying	Seed treatment
For treating tubers and rooting cuttings.	Add 1 mL/L of water to the immersion mixture.	In immersion mixture	Treatment of tubers or cuttings.

Torre Esmeralda Atizapán • Avenida Adolfo Ruiz Cortínez Mz1 lote 26, torre 2 planta baja interior 106, Lomas de Atizapán 2ª sección, Atizapán de Zaragoza, Estado de México, México. C.P. 52977.
comunicación@retenum.com