



Lignosulfonates

By WINFIELD
UNITED

Granular Micronutrient Premix

Lignosulfonates are naturally occurring compounds derived from plant material. Micronutrients are complexed with lignosulfonate to create a granular product for soil application that helps improve mobilization and nutrient utilization in plants.

FEATURES AND BENEFITS

- Bulk density similar to granular bulk fertilizers for easier blending and reduced segregation
- Micronutrients are complexed with lignosulfonate to help reduce soil tie-up
- Water-soluble formulations help improve water transfer absorption and plant uptake
- Can be applied with seed at planting

Efficiency Ratio

The increased water solubility and dispersion of lignosulfonate micronutrients means less product is needed when compared to traditional granular micronutrient sources. A 5:1 or 7:1 ratio is typical.

Product Line

Products	Formulation
Copper 5% LS	5.0% Copper 6.0% Sulfur
Corn Mix LS	8.0% Zinc 7.0% Sulfur 3.0% Manganese 1.0% Boron 1.0% Copper
Crop Mix 1 LS	8.0% Sulfur 5.0% Zinc 4.0% Manganese 1.0% Copper 1.0% Iron
Crop Mix 2 LS	8.0% Sulfur 6.0% Zinc 4.0% Manganese 1.5% Copper 1.5% Boron
Iron 10% LS	10.0% Iron 8.0% Sulfur
Zinc 10% LS	10.0% Zinc 7.0% Sulfur



REGION
All



USE RATE†
Varies by product and deficiency rating



APPLICATION GUIDE†
Pre-plant



PACKAGING
50-pound bag
2,000-pound bag