



Lignosulfonates

By WINFIELD UNITED

Organics LS Micronutrient Premixes

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

- OMRI-certified for use in organic agriculture
- 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

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	Mild Deficiency	Moderate Deficiency	Severe Deficiency
-----Pounds/Acre-----				
Organics Copper 5% LS	5.0% Copper 3.0% Sulfur	2	5	10
Organics Crop Mix 1 LS	6.0% Sulfur 5.0% Zinc 4.0% Manganese 1.0% Copper 1.0% Iron	7.5	15	30
Organics Iron 10% LS	10.0% Iron 6.0% Sulfur	5	10	20
Organics Manganese 8% LS	8.0% Manganese 5.0% Sulfur	5	10	20
Organics Zinc 10% LS	10.0% Zinc 5.0% Sulfur	5	10	20

REGION
All

USE RATE†
Varies by product and deficiency

APPLICATION GUIDE†
Band with starter fertilizer at seeding time.
Sidedress
Broadcast

PACKAGING
50-pound bag
2,000-pound bag