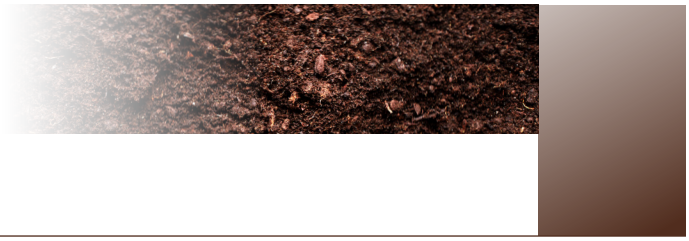
FlexForce™ Soil



ADVANCED ZN-FE-MN NUTRITION

FlexForce™ Soil is a premium, soil-applied zinc, iron, and manganese product designed to strengthen vegetative growth and canopy health. The advanced properties of this blend, including FBS Transit®, our proprietary nutrient use efficiency technology, and naturally chelated zinc, iron, and manganese, promote the rapid uptake by plant roots and translocation to growing points. This balanced blend increases photosynthetic capacity and carbohydrate production and meets crop requirements for these nutrients. This convenient blend should be applied anytime during the growing season to fulfill plant demand.

Benefits of FlexForce Soil

- Balanced blend of plant-available Zn-Fe-Mn
- Strengthens vegetative growth and canopy health
- Increases canopy function for maximum photosynthetic capacity
- Increases carbohydrate production and movement to growing points

ADVANCED SOIL FORMULATION TECHNOLOGY

- Protected from soil tie-ups with natural chelates for superior plant availability
- Compatible with many fertilizers, including acidic blends
- Rapid uptake - no breakdown of chelates necessary
- Acidifies rhizosphere, increasing uptake of all nutrients while benefitting soil microbes

fbsciences®

Powered by FBS TRANSIT®

FlexForce™ Soil

TECHNICAL INFORMATION

Importance of Zinc in Plants
Zinc is an essential constituent of several important enzyme systems and affects many metabolic processes in the plant. Zinc controls the synthesis of the important plant growth regulator indoleacetic acid, which is crucial for active growing tips and leaf enlargement. When zinc is deficient, terminal growth areas are the first areas to be impacted. Zinc is crucial for stress mitigation and a key part of most antioxidant systems in the plant. It combines with copper to create the plant's most effective response to abiotic stresses. Zinc is also critical in bud differentiation, making it important for long-term productivity in vineyard and orchard crops.

Importance of Iron in Plants
Iron (Fe) is essential in the plant's formation of chlorophyll which gives the plant its healthy green color and is essential for photosynthesis. Iron is the key to electron transfer in both photosynthesis and respiration. Iron is also an important cofactor in other enzyme driven processes like protein synthesis.

Importance of Manganese in Plants
Manganese is essential to split the water molecule which provides hydrogen for the photosynthetic process. Manganese also activates more enzymes than any other nutrient, including an enzyme that helps mitigate abiotic stresses. It is especially important in the production of proteins that are part of the plant's immune system.

RECOMMENDATION & COMPATIBILITY

For all crops apply 1 to 8 quarts per acre throughout the growing season and repeat as needed.

For best results, use watered-in applications. May be applied via irrigation system or prior to irrigation. Apply enough water to move the product into the area of active rooting, but not excessive amounts that may leach. Use the higher label rates with surface and flood irrigation. DO NOT mix with other products in concentrated form without first adding water. Recommended mixing sequence: water, adjuvants, pesticides, FBSciences nutrient products, other fertilizers, balance of water while agitating. Ensure agitation is available when mixing with calcium fertilizers. A standard jar test is recommended before tank mixing.

See product label for complete Directions for Use.

1-0-0
GUARANTEED ANALYSIS

Total Nitrogen (N)	**1.0%**
1.0% Nitrate Nitrogen	
Water Soluble Iron (Fe)	**2.0%**
Water Soluble Manganese (Mn)	**1.0%**
Water Soluble Zinc (Zn)	**3.0%**

Derived from: urea, ferrous sulfate, manganese sulfate, and zinc sulfate.

Net Weight
10.3 lbs per Gallon @ 68° F
1.2 kgs per Liter @ 20° C

ESSENTIAL ON A WIDE VARIETY OF CROPS




fbsciences®

Powered by FBS TRANSIT®