

PhotoGreen® Foliar

ADVANCED IRON NUTRITION



PhotoGreen® Foliar is a premium, foliar-applied iron and manganese product built with a proprietary blend of FBS Transit®, our patented technology, along with various organic compounds that resolves lime-induced iron and manganese chlorosis in all crops, resulting in quick and long-lasting green-up. PhotoGreen Foliar is designed to resolve iron and manganese deficiencies in all crops such as tree nuts, vineyards, fruit, vegetable, grain, and forage crops. Manganese is often called a hidden hunger, when combined with iron these nutrients counteract chlorosis.

- Resolves Lime-Induced Iron & Manganese Chlorosis, Resulting in Quick & Long-Lasting Green-Up
- Supports Chlorophyll Formation
- Resolves Chlorosis
- Supplies Readily Available Iron for Plants
- Resolves Iron & Manganese Deficiency

PhotoGreen Foliar Resolves Iron Deficiencies



Deficient Leaves



Healthy Leaves

Symptoms of Iron Deficiency include:

- Chlorosis in New Leaves
- Abnormal Discoloration
- Fruits & Old Leaves Drop Prematurely
- Twig Die Back
- Stunted Growth
- Stunted Roots

PhotoGreen® Foliar

TECHNICAL INFORMATION

The nutrient and organic compounds in PhotoGreen® Foliar address iron and manganese deficiencies that are commonly present in most soils with higher pH found in the Western USA.

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 (Mn) plays a key role in chlorophyll production. Because it is used to split the water molecule during Photosynthesis it is essential for plant health. Manganese also activates more enzymes than any other nutrient. It is especially important in the production of proteins that are part of the plant's natural defenses against disease.

RECOMMENDATION & COMPATIBILITY

For applications on orchards and vineyards apply 1 to 6 quarts per acre in spring. Always use the higher rate with spray volume greater than 50 gallons per acre. Repeat as needed. For applications on all other crops apply 1 to 4 quarts per acre any time during growing season. Repeat as needed.

PhotoGreen Foliar should be applied as a foliar spray. May be applied in combination with other FBSciences' products such as Zicron® Foliar and Copron® Foliar.

PhotoGreen Foliar mixes well with most other liquids and wettable. Recommended mixing sequence: water, adjuvants, pesticides, FBSciences nutrient products, other fertilizers, balance of water while agitating. When mixing with high phosphate fertilizers, add a citric acid buffer until the pH is 4.5 to 5.0 to improve compatibility and uptake. 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.

GUARANTEED ANALYSIS

Sulfur (S)	3.0%
Iron (Fe)	5.0%
Manganese (Mn)	1.0%

Derived from: ferrous sulfate and manganese sulfate.

Net Weight

10.5 lbs per Gallon @ 68° F
1.3 kgs per Liter @ 20° C

ESSENTIAL ON A WIDE VARIETY OF CROPS

