

ProGreen Plus

Chelated Manganese / Iron Solution

for Feeding Trees, Turf and Ornamentals



8170 N Granville Woods Rd
Milwaukee, WI 53223
800-661-0271

ProGreen Plus Chelated Mn/Fe Solution provides the ideal balance of fully chelated manganese and iron for a wide variety of turf grasses and ornamentals. Because the micronutrients are chelated using EDTA and HEDTA, the metals remain available to the plant when applied to the soil and are quickly absorbed by the plant in foliar applications.

ProGreen Plus Chelated Mn/Fe Solution was developed to supplement fertility programs wherever there are manganese and iron deficiencies in the soil or when the plant is experiencing stressful growing conditions.

ProGreen Plus Chelated Mn/Fe Solution may be either sprayed and/or applied through irrigation systems.

KEEP OUT OF REACH OF CHILDREN **CAUTION - MAY CAUSE IRRITATION**

PRECAUTIONARY STATEMENTS: Avoid prolonged or repeated contact with eyes, skin and clothing. Chemical goggles or a full-face shield should be worn. To protect skin, wear appropriate protective equipment, such as rubber or plastic aprons, rubber gloves and boots. Avoid breathing mist or vapor. Keep containers closed. Wash thoroughly after handling. May cause gastrointestinal distress, if swallowed.

HANDLING AND STORAGE: Minimize skin exposure. Store mini-bulks and smaller containers out of sun in an area of moderate temperature. Do not re-use containers. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metal. Dispose of containers in accordance with local regulations and requirements.

FIRST AID: In case of contact with eyes, immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention if irritation occurs. In case of skin contact, flush skin with water. If irritation occurs, seek immediate medical attention. Remove and wash contaminated clothing before reuse. If swallowed, give large amounts of water and induce vomiting by touching the back of the throat with finger unless unconscious. Seek immediate medical attention.

IN CASE OF SPILL: Contain spill and maximize recovery. Keep spill out of water sources. Exercise

caution in area of spill for slippery conditions. Dispose of spilled material in accordance with regulatory requirements.

PHYTOTOXICITY: Plant and leaf injury may occur on some crops when certain weather and growing conditions are present.

Before handling this product, consult the Material Safety Data Sheet for handling, safety and first aid information.

Follow directions carefully, including precautions for safe handling.

DIRECTIONS FOR USE: ProGreen Plus Chelated Mn/Fe Solution may be applied as a foliar spray application on all turf grasses, trees and ornamentals to enhance growth and quality, correct nutritional deficiencies and help plants rebound from stressful conditions.

ProGreen Plus Chelated Mn/Fe Solution must be applied as a dilute solution by ground application or through the irrigation system. Apply with sufficient water to achieve adequate plant coverage especially during periods of low humidity and high temperature to achieve the maximum benefit of foliar fertilization. ProGreen Plus Chelated Mn/Fe Solution is physically compatible with most crop protection chemicals. However, ProGreen Plus recommends testing for compatibility in all spray combinations by a simple jar test with appropriate concentrations. Care should be taken not to blend ProGreen Plus Chelated Mn/Fe Solution with highly acidic materials and materials containing a high level of free ammonia.

APPLICATION:

For Correcting Deficiencies: Apply 60 oz/1000ft² (0.1# Fe/1000ft²) in 5 gallons of water. Apply as needed until deficiencies are corrected, allowing 2-4 weeks between applications. Refer to soil test results for changes in micronutrient levels.

Maintenance Program: Apply 4-6 oz/1000ft² every 7-14 days to prevent micronutrient deficiencies. Apply in 3-5 gallons of spray solution per 1000ft².

For best results, allow ProGreen Plus Chelated Mn/Fe Solution to dry 3-6 hours before watering. Turf area should be watered before the next mowing to prevent removal of the applied nutrients.

FERTIGATION: ProGreen Plus Chelated Mn/Fe Solution may be injected during each irrigation utilizing the current technology and equipment available to the golf course superintendent. It is recommended that rates be in accordance with soil test data and in accordance with the equipment manufacturer's recommendations.

MIXING PROCEDURES WHEN TANK MIXING ProGreen Plus Chelated Mn/Fe Solution

1. Add 1/2 of total water to spray tank
2. Start circulating material in tank
3. Add recommended amount of ProGreen Plus Chelated Mn/Fe Solution
4. Add compatible micronutrients

5. Add flowable materials
6. Add emulsifiabiles
7. Add any soluble powders and/or water-soluble fertilizers. All should be pre-dispersed in water before adding to the spray tank solutions.
8. Complete filling of spray tank to desired volume and continue circulating prior to spray application.
9. Flush all spray and nurse equipment after usage.

Tree Program:

When To Fertilize: Fertilize your trees in the early spring when the buds begin to swell, or in the fall when the leaves start to change color and drop. Don't apply fertilizer during the summer, because this can stimulate heavy growth late in the growing season, making the tree prone to winter damage.

How To Fertilize: A tree's feeder roots are mainly located within the top 2 feet of soil. This network of feeder roots extends from an imaginary circle around the trunk (located at a distance of about twice the trunk diameter away from the trunk itself) to another imaginary circle just beyond the spread of the outermost branches.

Underneath the canopy of the tree, make injections in a grid pattern, every 2.5 feet, but never make injections within 2 feet of the trunk. For small shrubs, inject 4-6" deep, and for trees, inject 6-12" deep.

Use between 150-200 psi while making sure that there is adequate pressure.

Following these directions and following rates should apply about 16 oz per injection.

Choose the timing of application that fits your needs and follow the mixing instructions below.

Use Rate: Add 2.3 gallons of ProGreen Plus Chelated Mn/Fe Solution to 97.7 gallons of water. This 100-gallon mix will cover 6,600 sq. ft. of total drip line area.

TECHNICAL DATA NFORMATION

PLANT NUTRIENT CONTENT % by Wt.

Total Nitrogen (N)	0.0
Available Phosphoric Acid (P ₂ O ₅)	0.0
Soluble Potash (K ₂ O)	0.0
Iron (Fe)	2.0
2.0% Chelated Iron (Fe)	
Manganese (Mn)	4.0
4.0% Chelated Manganese (Mn)	

TYPICAL PROPERTIES

Specific Gravity	1.29
pH	8-9
Appearance	Crystal clear, dark red liquid

CONDITIONS OF SALE: This product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with directions under normal use conditions. Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks given herewith. In no case shall the seller be liable for consequential, special or indirect damages such as loss of profits or values resulting from the use or handling of this product.

Manufactured For:



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