



Micrel Total 5-0-0

F002873

- Corrects Micronutrient Deficiencies
- Maintains Balanced Micronutrients

Guaranteed Analysis:

Total Nitrogen (N)	5%
5% Urea Nitrogen (N)	
Magnesium (Mg)	0.5%
0.5% Water Soluble Magnesium (Mg)	
Sulfur (S)	4%
4% Combined Sulfur (S)	
Boron (B)	0.02%
Copper (Cu)	0.5%
0.5% Chelated Copper (Cu)	
Iron (Fe)	6%
6% Chelated Iron (Fe)	
Manganese (Mn)	0.5%
0.5% Chelated Manganese (Mn)	
Zinc (Zn)	0.5%
0.5% Chelated Zinc (Zn)	
Derived From: Ferrous Sulfate, Manganese Sulfate, Copper Sulfate, Zinc Sulfate, Magnesium Sulfate, Boric Acid, Urea, Iron Citrate, Manganese Citrate, Copper Citrate, Zinc Citrate	

Product Specifications:

Weight per gallon	11.43 lbs.
Weight per liter	1.37 kg
pH	1.92

Product Description:

Micrel Total is a product that contains 6 chelated micronutrients. Micrel Total is designed to be absorbed quickly and contains chelated iron for use on multiple species of plants.

Dilution / Mixing:

Dilute tank mix with water prior to adding Micrel Total. Never mix concentrate technical materials together, always dilute first with water. Be sure to read all labels carefully. Always provide sufficient water. Be sure each product is mixed well before adding next product. Do a jar test to assure compatibility.

Turf Applications		
Application	Rate	Frequency/ Notes
Tees, Greens, All Types of Warm and Cool Season Grasses	0.75 - 4 oz per 1,000 sq. ft. in .5-2 gallons of water (20-120 ml / 100 m ²)	Apply every 7-21 days
Fairways	0.75 -1.5 oz. per 1,000 sq ft in .5-2 gallons of water (20-120 ml / 100 m ²)	Apply every 7-28 days

Turf, Shrub & Ornamental Applications	
Foliar Spray	1 pint - 1 qt in 50-100 gallons of water (475 - 950 ml in 200-375 L water) Corrective: 3 ounces per inch of trunk DBH in 2 gallons of water. Thoroughly drench soil under canopy (90 ml per 8 L water)
Soil Drench	Maintenance: 2 oz per inch of trunk DBH in 2 gallons of water (60 ml per 8 L water)

Correction of Micronutrient Deficiencies & Maintenance of Micronutrient Levels	
Plant Type	Application Rate
All types of greenhouse crops, plugs, annuals, hanging baskets, perennials, vegetables	Foliar Spray: 1/2-2 pints per 50-100 gal of water (235-950 ml) per 200-375 L water) 8 oz - 32 ounces per gallon stock tank with injector ratio of 1:100
Containerized Crops, Woody & Flowering Ornamentals, Foliage, Field-Grown Nursery Stock And Trees Applications	Foliar Spray: 1/2-2 pints per 50-100 gal of water (235-950 ml) per 200-375 L water) Thoroughly spray to point of run-off. Apply every 2-4 weeks.

Landscape Planting Applications	
Foliar Spray	1 - 2 quarts in 100 gallons of water (500 ml - 1 liter in 100 liters water)
Soil Drench	2 - 5 ounces per gallon of water. Thoroughly drench soil around area (16 - 39 ml in 1 liter water)

Greenhouse & Nursery Injection Ratio		
Injector Ratio	PPM Desired	Rate per gallon stock tank to deliver desired PPM
1:100	50 PPM Nitrogen 60 PPM Iron 5 PPM Mg, Cu, Mn, Zn	20 oz per gallon stock tank

Crop Programs	
Plant / Crop	Application Rate
Berries	Use 1 - 2 quarts per acre. Thoroughly wet leaves to run off. (2 - 5 liters per hectare)
Citrus Trees	Use 1 - 2 quarts per acre. Thoroughly wet leaves to run off. (2 - 5 liters per hectare)
Fertigation	Apply 1 - 2 quarts per acre via drip tape or low volume irrigation. (2 - 5 liters per hectare)
Foliar Spray: Tomatoes, Small Fruit, Grapes and Other Vegetables	Use 1 - 2 quarts, in a minimum of 20 gallons of water, with ground spray equipment. Apply at least 6 times per season to correct minor nutrient deficiencies. Wet leaves to run off. (2 - 5 L per 200 L water)
Greenhouse & Shadehouse	Apply 8 oz - 1 qt per 100 gallons water as foliar spray (63 - 250 ml per 100 liters water)
Nut Trees	Use 1 - 2 quarts per acre. Thoroughly wet leaves to run off. (2 - 5 liters per hectare)
Tropical Fruits	Use 1 - 2 quarts per acre. Thoroughly wet leaves to run off. (2 - 5 liters per hectare)



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Greenhouse & Shadehouse	Apply 1 - 2 quarts per 100 gal water as a foliar spray. Repeat every 1 - 2 months or as needed. (250 - 500 ml per 100 liters water)
Liners and Plugs	Apply 8 oz - 1 qt per 100 gallons water as foliar spray (63 - 250 ml per 100 liters water)
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