

Micronutrients

Product Name	Nutrient Derivatives	Guaranteed Analysis	Package Size	Application Rates Based on Use Type (A. Foliar) (B. Soil)	Application Rates Based on Vegetation Type (C. Turf) (D. Ornamental)
Albion Labs, Inc. Micronutrients					
Calcium Metalosolate®	Calcium Amino Acid Chelate	Ca 6.00%	2.5 gals.	A) 1-2 fl. oz. per 1000 ft ²	C) 1-2 fl. oz. per 1000 ft ² D) Dilute 32 fl. oz. in 10 or more gals. of water and spray
Magnesium Metalosolate®	Magnesium Amino Acid Chelate	Mg 2.10%	2.5 gals.	A) 1-2 fl. oz. per 1000 ft ²	C) 1-2 fl. oz. per 1000 ft ² D) Dilute 32 fl. oz. in 10 or more gals. of water and spray
Iron Metalosolate®	Iron as Amino Acid Chelate	Fe 5.00%	2.5 gals.	A) 1-2 fl. oz. per 1000 ft ²	C) 1-2 fl. oz. per 1000 ft ² D) Dilute 32 fl. oz. in 10 or more gals. of water and spray
Manganese Metalosolate®	Manganese as Amino Acid Chelate	Mn 5.60%	2.5 gals.	A) 1-2 fl. oz. per 1000 ft ²	C) 1-2 fl. oz. per 1000 ft ² D) Dilute 32 fl. oz. in 10 or more gals. of water and spray
Zinc Metalosolate®	Zinc Amino Acid Chelate	Zn 6.80%	2.5 gals.	A) 1-2 fl. oz. per 1000 ft ²	C) 1-2 fl. oz. per 1000 ft ² D) Dilute 32 fl. oz. in 10 or more gals. of water and spray
Copper Metalosolate®	Copper Amino Acid Chelate	Cu 4.00%	2.5 gals.	A) .25-.50 fl. oz. per 1000 ft ²	C) .25-.50 fl. oz. per 1000 ft ² D) Dilute 16 fl. oz. in 10 or more gals. of water and spray
Boron Metalosolate®	Sodium Tetraborate	Bo 5.0%	2.5 gals.	A) .50-1.0 fl. oz. per 1000 ft ²	C) .50-1.0 fl. oz. per 1000 ft ² D) Dilute 24 fl. oz. in 10 or more gals. of water and spray
Potassium Complex	Potassium Carbonate Complex	K 30.0%	2.5 gals.	A) .75-1.0 fl. oz. per 1000 ft ²	C) .75-1.0 fl. oz. per 1000 ft ² D) Dilute 32-64 fl. oz. in 10 or more gals. of water and spray
NPK Foliar	Nitrogen Phosphorus Potassium	N 4.0% P ₂ O ₅ 17% K ₂ O 17%	2.5 gals.	A) Foliar application based on nutrient deficiencies. Use based on recommendations and deficiencies. Rates vary with crop, stage of growth and deficiency.	C & D) Application rate based on specific deficiencies
Multimineral Metalosolate®	Calcium, Magnesium, Copper, Iron, Manganese, & Zinc, as Amino Acid Chelates	Ca 1.0% Mg 1.0% Cu 0.5% Fe 0.5% Mn 0.5% Zn 0.5%	2.5 gals.	A) .25-.50 fl. oz. per 1000 ft ²	C) .25-.50 fl. oz. per 1000 ft ² D) Dilute 16-48 fl. oz. in 10 or more gals. of water and spray
Crop-Up Metalosolate®	Nitrogen, Magnesium, Copper, Iron, Manganese, & Zinc, from Amino Acid Chelates B-Boric Acid S-Sulfur	N 3.0% Mg 0.50% S 2.50% B 0.025% Cu 0.25% Fe 0.25% Mn 2.50% Zn 1.25%	2.5 gals.	See label for specific application and recommendations	See label for specific application and recommendations
Zinc Plus Metalosolate®	Magnesium, Boron, Copper, Iron, Manganese, & Zinc, as Amino Acid Chelates	Mg 0.50% B 0.025% Cu 0.25% Fe 0.25% Mn 1.0% Zn 2.80%	2.5 gals.	See label for specific application and recommendations	See label for specific application and recommendations

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Fertizona Micronutrients					
Ferti-Mag 4%	Magnesium Sulfate Lignin Sulfonate	Mg 4.0% S 4.0%	5 gals.	Maintenance – 1-3 qts./acre Light Deficiency – 2-6 qts./acre Severe Deficiency – 1-3 gals./acre	See previous column similar treatment based on deficiency
Ferti-Hume	Alkylaryl Poloxylkane Ether Free Fatty Acids IPA Adjuvants Humic Acid	Adjuvants 89% Humic Acid 1.0%	1 gal, 5 gals.	0.5 - pints per 100 gals. water	0.5 pints per 100 gals. water
Ferti-Buff 0-8-0	Phosphoric Acid	P 8.0%	1 gal, bulk.	A) 1-2 qts./acre in 100 gals. water	D) 1-2 qts./acre in 100 gals. water
Ferti-Cop 5%	Copper Sulfate Lignin Sulfonate	S 4.0% Cu 5.0%	5 gals.	A) 2-4 qts. per acre B) 1-2 qts. per acre	1-2 qts./acre T & *avoid foliar applications to tree crops in bloom.
Ferti-Zinc 10%	Zinc Sulfate Zinc Lignin Sulfonate	S 4.0% Zn 10.0%	5 gals.	A) 1-4 qts./acre, split applications B) 1-4 qts./acre	Light Deficiency – 2-4 qts./acre Severe Deficiency – 1-3 gals./acre
Ferti-Gro 2.5-15-15	Ammonium Hydroxide Urea Potassium Phosphate Zinc & Iron Chelate Leonardite	Ammoniacal N 1.0% Organic N 1.5% P ₂ O ₅ 15.0% K ₂ O 15.0% Zn 0.25% Fe 0.25% Humic Acid 0.25%	5 gals.	A) 1gal. per 5000 ft ²	
Ferti-Iron Plus	Low Biuret Urea Ferrous Sulfate Heptahydrate	N 15.0% Fe 6.0% S 4.0%	5 gals., 55 gals., bulk	A) ½ gal per 100 gals./ water spray to run off. For smaller applications 2/3 oz. per gallon.	C) 2-4 oz per 1000 ft ² Sprayed to the point of run-off
Ferti-Bor 10%	Boric Acid	B 10.0%	1.0 gal	A) 1-5 qts. in sufficient water, depending on deficiency B) Chemigate 1-3 gallons, based on deficiency	See previous column similar treatment based on deficiency
Miller Micronutrients					
Iron ChelateDP	Iron Chelated	10.0%	55 lbs.		
Microplex®	Copper, Cobalt, Iron, Magnesium, Manganese, & Zinc EDTA Magnesium Sulfate Sodium Borate Sodium Molybdate	Mg 5.43% B 0.5% Co 0.05% Cu 1.50% Fe 4.0% Mn 4.0% Mo 0.1% Zn 1.5%	55 lbs.	A) The addition of foliar sprays may improve absorption and efficacy of micronutrient uptake	C) 1 teaspoon per gallon D) fairways and lawns: 1 lb. per acre in a minimum of 40 gals. water, 3 apps/ year
Turfed	Potassium Nitrate Ammonium Phosphate Urea Ammonium Sulfate Copper, Iron, Magnesium, & Zinc EDTA Sodium Borate Ammonium Molybdate	N 25.0% P ₂ O ₅ 5.0% K ₂ O 20.0% S 2.30% B 0.02% Cu 0.05% Fe 0.10% Mn 0.05% Mo 0.005% Zn 0.05%	25 lbs.	B) Apply product during periods of stress or just prior to and during heavy traffic to maintain good color and growth rates.	C) .5 lb-1 lb. 5 oz based on application timing, color and desired results.

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Monterey Micronutrients					
Liquid Hawaiian	Cobalt, Copper, Iron, Magnesium, Manganese, and Zinc Sulfates; Cobalt, Copper, Iron, Magnesium, Manganese, and Zinc lignin Sulfonates; Sodium Borate; Sodium Molybdate	N 3.0% Mg 2.5% B 0.35% Co 0.03% Cu 0.15% Fe 1.50% Mn 0.45% Mo 0.04% Zn 0.50%	5 gals.	A) <2 qts. per acre to avoid phytotoxicity	See label for specific ornamental application
Sequestar	Nitrogen, Magnesium, Boron, Copper, Iron, Manganese, Molybdenum, Zinc	N 3.0% Mg 3.58% B 0.50% Fe 3.0% Mn 0.001% Zn 2.0%	5 lbs.	A & B) .5-1 lb. in 100-200 gals. water	See label for specific turf, greens, ornamental and fairway application
Liquid Turf - Ornamental Blend	Urea Fe, Mg, Mn, Zn Sulfates; Fe, Mg, Mn, and Zn Lignin Sulfonates	N 4.0 Mg 0.5% S 3.0% Fe 4.0% Mn 0.5% Zn 0.5%	5 gals.	2-3 quarts per acre per 150-200 gals. water	See label for specific turf, greens, ornamental and fairway application
WolfTrax Micronutrients					
WolfTrax Boron	Boric Acid Sodium Borate Potassium Tetraborate Tetrahydrate	18.50%	25 lbs.	A & B) 1 oz. per 1000 ft ²	C) 4 oz. per acre
WolfTrax Calcium	Calcium Nitrate Calcium Carbonate Calcium Sulfate	27.0%	30 lbs.	A & B) 4 oz. per acre	C) 4 oz. per acre soil or foliar application D) 1 oz. per 1000 ft ² foliar application
WolfTrax Copper	Copper Sulfate Copper Oxide	57.50%	21 lbs.	A & B) 1 oz. per 1000 ft ²	C) 4 oz. per acre
WolfTrax Iron	Ferrous Sulfate Iron Oxide	47.0%	25 lbs. 11.33 kg.	A & B) 1 oz. per 1000 ft ²	C) 4 oz. per acre
WolfTrax Manganese	Manganese Chloride Manganese Sulfate	33.0%	20 lbs.	A & B) 1 oz. per 1000 ft ²	C) 4 oz. per acre
WolfTrax Zinc	Zinc Sulfate Zinc Oxide	62.0%	14 lbs.	A & B) 1 oz. per 1000 ft ²	C) 4 oz. per acre

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