

MICREL TOTAL 5-0-0

with **SIX MICRONUTRIENTS**



GROWTH[®] PRODUCTS

THE LIQUID SOLUTIONS COMPANY

**PROFESSIONAL
LIQUID FERTILIZERS
& MICRONUTRIENTS**

**100% Chelated Micros
Corrects Deficiencies**

BAR CODE

Net Wt. 29 lbs. (13.2 kg)

Shake Well Before Using

2 1/2 Gallons (9.46 Liters)

MICREL TOTAL 5-0-0

F106  **GROWTH
PRODUCTS**

OPEN
Resealable Label
for Directions &
Precautions

GUARANTEED ANALYSIS:

Total Nitrogen (N)	5%
5% Urea Nitrogen	
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, Sodium Borate, Urea. Chelating Agent: Citric Acid.

PRODUCT SPECIFICATIONS

Weight per gallon	11.65 lbs.
Weight per liter	1.39 kg
pH	2

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.
You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).	
STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.	

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H315 Causes Skin Irritation
H319 Causes Serious Eye Irritation
H335 May Cause Respiratory Irritation

Another quality product from: Growth Products, Ltd.

21417 County Rd-1950 E
Princeton, IL 61356 USA
Questions? Call (800) 648-7626



www.growthproducts.com • questions@growthproducts.com

Condition of Sale and Warranty: Growth Products, Ltd warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

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 Application		
Application	Rate	Frequency
Tees, Greens, All Types of Warm and Cool Season Grasses	3 - 4 oz per 1,000 sq. ft. in 3-5 gal of water (90-120 ml / 100m ²)	Apply every 14-21 days
Fairways	3 - 4 oz. per 1,000 sq ft in 5 gallons of water (90-120 ml / 100m ²)	Apply every 30 days

Trees, Shrubs & Ornamentals:	
Foliar Spray	1 - 2 qts in 100 gallons of water (250 - 500 ml in 100 L water)
Soil Drench	Corrective: 3 ounces per inch of trunk DBH in 2 gallons of water. Thoroughly drench soil under canopy (90 ml per 8 L water)
	Maintenance: 2 oz per inch of trunk DBH in 2 gallons of water (60 ml per 8 L water)

Correction of Micronutrients Deficiencies & Maintenance of Micronutrient Levels	
Plant Type:	Application Rate:
All types of greenhouse crops, plugs, annuals, hanging baskets, perennials, vegetables	Foliar Spray: 1 - 2 quarts per 100 gal of water (250-500 ml per 100 L water)
Containerized Crops, Woody & Flowering Ornamentals, Foliage, Field-Grown Nursery Stock And Trees Applications	Foliar Spray: 1-2 quarts per 100 gal of water. Thoroughly spray to point of run-off. Apply every 2-4 weeks. (250-500 ml in 100 L water)

Landscape Plantings

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)

Micrel Total 5-0-0 PPM Rates

Fluid Ounces of Micrel Total per Gallon of Stock Tank Water

PPM Nitrogen	25	50	75	100
PPM Iron	30	60	90	120
PPM Mg, Cu, Mn, Zn	3	5	8	10
1:500	23	46	70	93
1:300	14	28	42	56
1:200	9	18	28	37
1:100	5	9	14	19
1:50	2	5	7	9
1:15 Ratio for Hozon Proportioner				
1:15	0.70	1.39	2.09	2.78

100 ppm Nitrogen Solution Contains the Following Elemental PPM

PPM Nitrogen	100
Iron (Fe)	120
Sulfur (S)	80
Magnesium (Mg)	10
Manganese (Mn)	10
Copper (Cu).	10
Zinc (Zn)	10
Boron (B)	0.40
Molybdenum (Mo)	0.01

Greenhouse & Nursery Injection Ratio

1:100	50 PPM Nitrogen 60 PPM Iron 5 PPM Mg, Cu, Mn, Zn	9 oz per gal. of water (70 ml in 1 Liter water)
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Crop Programs

Plant / Crop	Application Rate per acre
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 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)
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)