

GUARANTEED ANALYSIS: 8-0-0

Total Nitrogen (N)	8.00%
3.00% Ammoniacal Nitrogen	
2.00% Nitrate Nitrogen	
3.00% Urea Nitrogen	
Sulfur (S)	1.00%
1.00% Combined Sulfur (S)	
Iron (Fe)	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	

Derived From: Urea, Ammonium Sulfate, Ammonium Nitrate, Iron HEDTA, Manganese EDTA, and Zinc EDTA.

PHYSICAL PROPERTIES:

Form: Liquid

Appearance: Hazy brown, having a unique characteristic odor.

Weight: 993 lb/gal, 1.19 kg/L

pH: 4.0–5.0

CAUTION:

Keep out of reach of children. The liquid and mists may be irritating to the eyes and possibly the skin. Inhalation of mists may be irritating to the entire respiratory tract. Ingestion of this product may cause gastrointestinal irritation, or cardiovascular and central nervous system effects.

STORAGE & DISPOSAL:

Do not store this product below 50°F (10°C) or above 90°F (30°C). Keep product in original container. Do not transfer into food or drink containers. Triple rinse container when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations.

CONDITIONS OF SALE:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, plant and soil conditions, and other factors are beyond the control of the seller.



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This product contains Micro Carbon Technology® (MCT), a proprietary blend of very small organic molecules that allow for more effective absorption of nutrients by plants.

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Activating Soil Biology for Healthier Roots & Plants

ZAP® is an organic-based, carbon-complexed nutrient formulated with Micro Carbon Technology® to support native beneficial soil microbes. By fueling a strong, active soil biology, ZAP naturally enhances overall soil health.

HOW ZAP WORKS:

- **Effect on the Soil Environment Surrounding Roots:** ZAP enhances the activity of beneficial microorganisms that suppress soil-borne diseases and plant-parasitic nematodes.
- **Effect on the Plant:** ZAP promotes stronger root growth, helping reduce susceptibility to secondary root infections.

BENEFITS OF USE:

- Improves overall plant vigor
- Enhances beneficial soil microbial activity
- Supports balanced soil biology and increased species diversity
- Helps address microbial challenges associated with cut or leveled soils with reduced fertility

METHOD OF APPLICATION	SUGGESTED RATES		
	Field Crops, Sod, and Specialty Crops		Tree or Vine Crops
Soil banded or injected through drip tape or micro sprinklers	Up to 0.5 gallon/acre, 5 liters/hectare	—	Up to 1 gallon/acre, 10 liters/hectare
Sprinklers: solid, set, drag lines, linear, or pivot (100% speed)	Up to 1 gallon/acre, 10 liters/hectare	Up to 3 oz/1000 ft², 105 mL/100 m²	Up to 2 gallon/acre, 20 liters/hectare
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 2 gallon/acre, 20 liters/hectare	Up to 6 oz/1000 ft², 210 mL/100 m²	Up to 3 gallon/acre, 30 liters/hectare

APPLICATION INSTRUCTIONS:

SHAKE WELL BEFORE USE. Designed for soil application to improve soil health. Best results will be obtained when application is concentrated in the active root zone. Can be applied to all soil types for agricultural fields, ornamentals, lawns, gardens, and landscapes. Soil moisture is required for maximum bioactivity: if soil is dry, moisture should be provided by irrigation. If compatibility is in question, jar test a small quantity. Do not apply this product in concentrations greater than 10% without a preliminary jar test.

