



ZAP®

Sustainable Soil Fertility

Guaranteed Analysis 8-0-0

Total Nitrogen (N).....	8.00%
3.0% Ammoniacal Nitrogen	
2.0% Nitrate Nitrogen	
3.0% Urea Nitrogen	
Sulfur (S).....	1.00%
1.00% Combined Sulfur (S)	
Iron (Fe).....	0.10%
0.05% 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. (Chelating agents are Hydroxyethylenediaminetriacetate and Ethylenediaminetetraacetate.)

Also Contains Non-Plant Food Ingredient:

8.5% Organic Matter (derived from Leonardite)

Physical Properties:

Form: Liquid
 Appearance: Clear to hazy, brownish, having a unique characteristic odor.
 Weight: 9.18 lb/gal, 1.00 kg/L
 pH: 4.0–5.0

Caution:

Keep out of reach of children.
Harmful if swallowed. The liquid and mists may be irritating to the eyes and skin. Inhalation of mists may be irritating to the entire respiratory tract.

Storage and Disposal:

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

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, crop conditions, and other factors are beyond the control of the seller.

The Solution for a Strong, Healthy Soil

Huma Gro® ZAP® carbon-complexed with Micro Carbon Technology® is an organic-based formulation of nutrients for feeding the native beneficial soil microbial balance. ZAP® feeds a strong, vigorous soil biology, which indirectly results in the natural improvement of soil health.

How ZAP® Works:

- Effect on soil environment surrounding roots: ZAP® enhances activity of beneficial microbes detrimental to soil-borne diseases and plant-parasitic-nematodes.
- Effect on the plant: ZAP® improves root growth and, as a result, reduces susceptibility to secondary root infections.

Benefits of Use:

- Improved plant vigor
- Improvement in beneficial soil microbial activity
- Establishment of soil biological balance and species diversity
- Addresses microbial challenges related to cut- or leveled-ground soil infertility

Application Instructions:

See table below for specific rate instructions. Do not apply this product in concentrations greater than 10%. SHAKE WELL BEFORE USING.

METHOD OF APPLICATION	SUGGESTED RATE	
	Field Crops / Tree or Vine Crops	
Soil banded, injected, side dress, drip tape, or micro sprinklers	Up to 1 gallon/acre, 10 liters/hectare	Up to 1 gallon/acre, 10 liters/hectare
Sprinklers: solid set, drag lines, linear, or pivot (100% speed)	Up to 2 gallons/acre, 20 liters/hectare	Up to 2 gallons/acre, 20 liters/hectare
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 3 gallons/acre, 30 liters/hectare	Up to 3 gallons/acre, 30 liters/hectare



Powered by
MICRO CARBON TECHNOLOGY®

**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.*

