



# VITOL®

Optimal Growth Manager

## Guaranteed Analysis 8-16-4

Total Nitrogen (N).....	8.00%
1.10% Ammoniacal Nitrogen	
6.90% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	16.00%
Soluble Potash (K <sub>2</sub> O).....	4.00%
Sulfur (S).....	1.00%
1.00% Combined (S)	
Iron (Fe).....	0.10%
Manganese (Mn).....	0.05%
Zinc (Zn).....	0.05%

### Derived From:

Urea, Phosphoric Acid, Potassium Carbonate, Ammonium Sulfate, Iron Sulfate, Zinc Sulfate, Manganese Sulfate. Chelating agents are Hydroxyethylethylenediaminetriacetate Acid and Ethylenediaminetetraacetate Acid.

### Also Contains Non-Plant Food Ingredient:

6.0% Organic Matter (derived from leonardite)

### Physical Properties:

Form: Liquid  
 Appearance: Hazy, greenish-brown color with a unique, characteristic odor  
 Weight: 10.10 lb/gal, 1.25 kg/L  
 pH: 1.5–2.5

### 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 Vigorous, Healthy Plant Growth

Huma Gro® VITOL® carbon-complexed with Micro Carbon Technology® feeds the natural metabolic processes within the plant for vegetative development and fruit sizing. It increases the nutrient uptake of the plant and smoothly transitions the plant through its growth stages. It also improves plant recovery from environmental stresses during peak crop demand periods. When soil-applied, VITOL® provides necessary nutrients for root growth and elongation that are critical in tap root crops.

### Benefits of Use:

- Increase foliar growth at emergence
- Maintain late-season growth and vigor
- Increase fruit size
- Improve uniformity of fruit size
- Give plants energy

### Notes:

- VITOL® is an excellent carrier for other nutrients.
- VITOL® can be applied to soil as a taproot stimulator.
- Apply VITOL® at highest rates together with Huma Gro® COBALT at 2–4 ounces per acre (150 –300 mL per hectare) to overcome environmental stresses such as herbicide or salt damage, frost or hail damage, and disease and insect damage.

### Application Instructions:

Contents are highly concentrated and must be diluted with water in a ratio of at least 20 parts water to 1 part product prior to foliar application. See table below for specific rate instructions: consult your local Huma Gro® representative or other agricultural specialist for crop-specific recommendations. Do not apply more frequently than every 7 days. SHAKE WELL BEFORE USING.

METHOD OF APPLICATION	SUGGESTED RATE	
	Field Crops / Tree or Vine Crops	
Foliar band application at 50% coverage	Up to 1 quart/acre, 2.5 liters/hectare	—
Foliar broadcast or sprinklers: solid, set, pivot, linear (100% speed)	Up to 2 quarts/acre, 5 liters/hectare	Up to 1 gallon/acre, 10 liters/hectare
Soil-banded or injected, through drip tape or micro sprinklers	Up to 2 quarts/acre, 5 liters/hectare	Up to 1 gallon/acre, 10 liters/hectare
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 1 gallon/acre, 10 liters/hectare	Up to 2 gallons/acre, 20 liters/hectare



*\*This Product Contains Micro Carbon Technology®, a proprietary blend of very small organic molecules that allows for more effective absorption of nutrients by plants.*

