



# D-FEND®

Optimal Growth Manager

## Guaranteed Analysis

### 0-5-0

Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	5.00%
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:

Phosphoric Acid, Iron HEDTA, Manganese EDTA, Zinc EDTA. Chelating agent is Hydroxyethylethylenediaminetriacetate.

#### Also Contains Non-Plant Food Ingredient:

4.5% Organic Matter (derived from leonardite)

#### Physical Properties:

Form: Liquid

Appearance: Clear to slightly hazy, light green, having a slight characteristic odor.

Weight: 8.85 lb/gal, 1.06 kg/L

pH: 1.0–2.0

#### Caution:

**Keep out of reach of children.**

**Harmful if swallowed.**

**Exposure to this product's vapors, mists or liquid may cause severe irritation or burns to all tissues contacted.**

**Do not breathe dusts, mists, or vapors.**

**Phosphoric acid may generate flammable hydrogen gas in contact with most metals.**

#### 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 Foliar Solution for Strong, Healthy Plants

Huma Gro® D-FEND® carbon-complexed with Micro Carbon Technology® is a foliar formulation of nutrients and refined plant oils that facilitate nutrient uptake and translocation throughout the plant.

#### Benefits of Use:

- Provides essential plant nutrients
- Nutrients plus natural oils and extracts improve plant tolerance of environmental stresses
- Tank-mixes with most chemical pesticides
- Delivers maximum performance with no negative environmental impact
- Can be used to carry any combination of Huma Gro® nutrients
- Minimizes leaf burn or phytotoxicity associated with foliar nutrient sprays

#### Deficiency Symptoms—When to Apply:

- Plants weakened due to stress/disease
- Nutrients not being absorbed by plant
- Yellowing of leaves
- Early decay of plants

#### Application Instructions:

Contents are highly concentrated and must be diluted with water in a ratio of at least 100 parts water to 1 part product prior to foliar application. It is necessary to cover the complete leaf surface. The use of a spreader sticker increases effectiveness. It is suggested that constant agitation be provided during application to maintain the product in suspension. See table below for specific rate instructions. 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



Powered by  
**MICRO CARBON  
TECHNOLOGY**

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

