



## Guaranteed Analysis 4-14-3

Total Nitrogen (N) .....	4.0%
0.55% Ammoniacal Nitrogen	
3.45% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	14.0%
Soluble Potash (K <sub>2</sub> O) .....	3.0%

### Derived From:

Urea, Phosphoric Acid, Potassium Carbonate, Ammonium Sulfate.

### Physical Properties:

Form: Liquid

Appearance: Hazy dark brown, having a slight characteristic odor.

Weight: 10.68 lb/gal, 1.28 kg/L

pH: 1.0–2.0

### Caution:

Keep out of reach of children.

Harmful if swallowed. The vapors, mists and liquid may cause severe irritation or burns to all tissues contacted. Phosphoric acid may generate flammable hydrogen gas on contact with most metals.

### Storage and 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.

For more info on this product:



## The Solution for Improved Flowering and Fruiting of Plants

Huma® **Breakout®**, carbon-complexed with Micro Carbon Technology®, is designed to feed the natural metabolic process within the plant for enhanced bud initiation, flowering, and fruit set. When applied to soils, **Breakout®** is effective at providing needed nutrients for fibrous root growth and enhanced root mass development.

### Benefits of Use:

- Provides energy needed to push “bud-break” uniformly
- Accelerates the emergence of fruiting buds
- Provides energy needed to promote uniform flowering, increasing the number of flowers and improving fruit set
- Can be used to acidify/buffer spray solutions (pH 2.0)
- May be applied with other foliar nutrients for maximum effect on flowering and fruit set
- Can be used at seeding or when transplanting to maximize new root growth

### Deficiency Symptoms—When to Apply:

- Non-uniform bud emergence of crops
- Light fruit set
- Slow emergence of fruiting buds
- Leaf-burn or phytotoxicity

### Application Instructions:

SHAKE WELL BEFORE USING. Can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. If compatibility is in question, jar test a small quantity. Do not foliarly apply this product in concentrations greater than 10% without a preliminary foliar test.

METHOD OF APPLICATION	SUGGESTED RATE		
	Field Crops, Sod, and Specialty Crops		Tree or Vine Crops
Foliar band application at 50% coverage	Up to 1 quart/acre, 2.5 liters/hectare	Up to 2 oz/1000 ft <sup>2</sup> , 70 mL/100 m <sup>2</sup>	—
Foliar broadcast or sprinklers: solid, set, linear, or pivot (100% speed)	Up to 2 quarts/acre, 5 liters/hectare	Up to 3 oz/1000 ft <sup>2</sup> , 105 mL/100 m <sup>2</sup>	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 3 oz/1000 ft <sup>2</sup> , 105 mL/100 m <sup>2</sup>	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 6 oz/1000 ft <sup>2</sup> , 210 mL/100 m <sup>2</sup>	Up to 2 gallon/acre, 20 liters/hectare



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.