

GUARANTEED ANALYSIS: 4-14-3

Total Nitrogen (N)4.00%
 0.55% Ammoniacal Nitrogen
 3.45% Urea Nitrogen
 Available Phosphate (P₂O₅)14.00%
 Soluble Potash (K₂O)3.00%

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 & 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.



LEARN
MORE



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.

©2026 Huma HA-011426

Trigger Stronger Bud Break, Flowering & Fruit Set

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

METHOD OF APPLICATION	SUGGESTED RATES		
	Field Crops, Sod, and Specialty Crops	Tree or Vine Crops	
Foliar band application at 50% coverage	Up to 1 qt/ac, 2.5 L/ha	Up to 2 oz/1000 ft², 70 mL/100 m²	—
Foliar broadcast or sprinklers: solid, set, linear, or pivot (100% speed)	Up to 2 qts/ac, 5 L/ha	Up to 3 oz/1000 ft², 105 mL/100 m²	Up to 1 gal/ac, 10 L/ha
Soil banded or injected through drip tape or micro sprinklers.	Up to 2 qts/ac, 5 L/ha	Up to 3 oz/1000 ft², 105 mL/100 m²	Up to 1 gal/ac, 10 L/ha
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 1 gal/ac, 10 L/ha	Up to 6 oz/1000 ft², 210 mL/100 m²	Up to 2 gal/ac, 20 L/ha

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.



P: 800.961.1220 | F: 480.425.3061 | Info@Huma.us | Huma.us
 1331 W. Houston Avenue, Gilbert, AZ 85233

HUMA®
 The World Leader in Humates