

# 3% MAGNESIUM

## LIQUID SECONDARY NUTRIENT

### GUARANTEED ANALYSIS

Magnesium (Mg).....	3.0%
3.0% Water Soluble Magnesium (Mg)	
Sulfur (S).....	4.0%
4.0% Combined Sulfur (S)	
Derived from magnesium sulfate	

Net Contents 5 gallons (18.9 liters)  
10.6 lbs. per gallon (1271 grams/liter) @ 68° F

Net Contents 265 gallons (1003.1 liters)  
10.6 lbs. per gallon (1271 grams/liter) @ 68° F

actagro

### DIRECTIONS FOR USE

Actagro® 3% Magnesium can be applied to most vegetable and cucurbit crops, field and row crops, deciduous fruit and nut trees, grapes, berries, olives, avocados and citrus. Actagro® 3% Magnesium is designed for soil application and for foliar use. Apply directly to soils or inject through irrigation systems where water quality is satisfactory to maintain solubility. Foliar applications should be as a dilute spray. Application rates vary by crop or situation. Mixing with irrigation water for field storage is generally not recommended. Products blended with irrigation water should be used immediately and not stored for prolonged periods.

### FOLIAR APPLICATION RATES

**FIELD AND ROW CROPS:** Apply 1 to 4 quarts per acre in a minimum of 10 gallons of water per acre. Repeat applications may be beneficial.

**VEGETABLE & FRUIT CROPS, ORCHARDS & VINEYARDS:** Apply 1 to 4 quarts per acre. Aerial applications use a minimum of 10 gallons of water per acre. Dilute or concentrate sprays use a minimum of 25 gallons of water per acre. Repeat applications may be beneficial.

### SOIL APPLICATION RATES

Actagro® 3% Magnesium may be applied pre-plant, as a starter, side dress, fertigated, top dressed or banded to the soil. Dilute with water (if necessary) to ensure uniform distribution.

**FIELD & ROW CROPS, VEGETABLES & FRUIT CROPS:** Apply 1/2 to 3 gallons per acre in a surface or sub-surface band. Repeat applications are beneficial. **ORCHARDS & VINEYARDS:** Inject 1/2 to 3 gallons per acre 3 to 5 inches deep at the drip line, or surface band and water into the soil. Repeat applications may be beneficial.

### FERTIGATION APPLICATION RATES

**FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLES & FRUIT CROPS:** Use 1 to 3 gallons per acre per irrigation. Continue irrigation for a minimum of 2 hours after application to flush lines and to maximize nutrient distribution with drip and micro sprinkler use. Repeat applications may be beneficial.

**APPLICATION THROUGH DRIP IRRIGATION** - inject after irrigation filter.

**TRANSPLANT WATER - ALL CROPS:** Apply 1 to 4 quarts per acre in a minimum of 50 gallons solution.

### GENERAL INFORMATION

Actagro® 3% Magnesium is formulated in a proprietary process for the prevention or correction of magnesium deficiencies in plants and can be effectively used for both foliar and soil applications.

**CAUTION:** Actagro® 3% Magnesium mixtures should be agitated daily. It may be added undiluted to UN 32. Dilute with equal volume of water before adding to conventional 10-34-0, in ratio of 1 part to 8 parts of 10-34-0. If any other chemicals are to be used in the spray mixture be sure to check compatibility. Do not apply with calcium based fertilizers such as CAN 17. Fertilizer solutions with a pH of 5 or less may not be compatible. Combining with liquid fertilizer solutions is more effective if done at a blending plant.

**CAUTION:** Foliar application of Actagro® 3% Magnesium close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition. Actagro® 3% Magnesium will be influenced by differences in varieties, soil and environmental conditions and should be applied under conditions of optimum plant growth. Optimum conditions are defined as adequate humidity, moderate temperatures and adequate soil moisture. Optimum conditions for most crops generally occur during early morning or late evening hours.

**WARRANTY:** Since weather, crops, soil and other conditions may vary, neither Actagro®, LLC, nor the Seller make a warranty of any kind, expressed or implied, concerning the use of this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions.

**KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.** In case of contact immediately flush skin, eyes or clothing with plenty of water for at least 15 minutes.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

\*Not all Actagro® products are compatible with one another or when mixed with other fertilizers and/or pesticides on the market. A small scale compatibility test is recommended prior to mixing.

- GHS label elements Non-Regulated Material
- Hazard pictograms Non-Regulated Material
- Signal word Non-Regulated Material
- Hazard statements Non-Regulated Material

### MIXING INSTRUCTIONS

1. Partially fill tank with water and start agitation.
2. Add pesticides or other nutrients.
3. Add 3% Magnesium to circulating tank mix.
4. Fill tank and agitate thoroughly.

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