



# monarch.

## FORMULATED FOR FOLIAR & DRIP USE

2-20-15

### GUARANTEED ANALYSIS

|   |                     |
|---|---------------------|
| Total Nitrogen (N).....                                   | 2.0%                |
| 2.0%.....   | Ammoniacal Nitrogen |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> )..... | 20.0%               |
| Soluble Potash (K <sub>2</sub> O).....                    | 15.0%               |

Derived from anhydrous ammonia, phosphoric acid, potassium hydroxide and potassium chloride.



**WARNING.** Causes eye irritation. May be harmful in contact with skin. Harmful if swallowed. Avoid breathing dust / fume / gas / mist / vapors / spray. Avoid release to the environment. Wear protective gloves and eye / face protection. If eye irritation persists: get medical attention. IF IN EYES: Rinse with water for 15 to 20 minutes. Remove contact lenses, if present, and continue rinsing eyes. IF ON SKIN: Wash with plenty of water for 15 to 20 minutes. If medical advice is needed, have product container or label available. Keep out of reach of children. Read label before use

Net Contents 5 gallons (18.9 liters)  
11.8 lbs. per gallon (1415 grams/liter) @ 68° F

Net Contents 265 gallons (1003.1 liters)  
11.8 lbs. per gallon (1415 grams/liter) @ 68° F

### DIRECTIONS FOR USE

Monarch® can be applied to most vegetable and cucurbit crops, field crops, row crops, deciduous fruit and nut trees, grapes, berries, olives, avocados and citrus. Monarch® may be used as a pop-up infurrow at 1 to 3 gallons per acre. 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. Monarch® is non-phytotoxic when used as directed and is compatible with most commonly used pesticides and fertilizers.

### FOLIAR APPLICATION RATES

**FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Apply 1/4 to 2 gallons per acre in enough water for thorough coverage. The maximum recommended concentration of Actagro Monarch® to water is 1:5.

**VEGETABLES AND LEAFY CROPS:** Apply 1/4 to 2 gallons per acre in a minimum of 5 gallons of water per acre. Repeat applications are beneficial.

### SOIL APPLICATION RATES

Monarch® may be applied pre-plant, as a starter, side dress, fertigated, top dressed or banded to the soil. To apply alone, may be diluted with water to ensure uniform distribution.

**VEGETABLES & FRUIT CROPS, ROW CROPS & FIELD CROPS:** Apply 5 to 30 gallons per acre in a surface or sub-surface band. Repeat applications are beneficial.

**ORCHARDS & VINEYARDS:** Inject 5 to 30 gallons per acre 3 to 5 inches deep at the drip line, or surface band and water into the soil. Repeat applications are beneficial.

**TRANSPLANT WATER - FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Apply 1 to 8 gallons per acre in a minimum of 100 gallons solution, not to exceed a 3% Monarch® to water solution.

### FERTIGATION APPLICATION RATES

**FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Use 1 to 20 gallons per acre per irrigation. Continue irrigation for a minimum of 2 hours after application to maximize fertilizer distribution. Repeat applications are beneficial.

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

### GENERAL INFORMATION

Monarch® contains available phosphate and potassium. These nutrients are combined with a percentage of nitrogen to stimulate growth, fruit set and allow for a strong and vigorous plant structure.

Monarch® should not be applied to plants that are stressed by high temperature or lack of moisture. Optimum spraying conditions typically exist during early morning or late evening hours.

**CAUTION:** Always check compatibility with other products prior to use. Do not mix with conventional products containing the salts of heavy metals. Do not mix with conventional calcium based fertilizers.

**CAUTION:** Foliar application of Monarch® 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.

**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.

### MIXING INSTRUCTIONS

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

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