



# Kwik Start LS

**3-10-1**

## GUARANTEED ANALYSIS

Total Nitrogen (N) .....	3.0%
3.0% .....	Ammoniacal Nitrogen
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	10.0%
Soluble Potash (K <sub>2</sub> O) .....	1.0%

Derived from anhydrous ammonia, phosphoric acid and potassium hydroxide



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 2.5 gallons (9.5 liters), 25.3 Lbs  
10.11 lbs. per gallon (1212 grams/liter) @ 68° F**



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### DIRECTIONS FOR USE

Kwik Start® LS may be used as a pop-up, in-furrow at 4 to 8 gallons per acre. Kwik Start® LS can be applied to most vegetable and cucurbit crops, row crops, deciduous fruit and nut trees, grapes, berries, olives, avocados and citrus. Mixing with water for field storage is generally not recommended. Products blended with water should be used immediately and not stored for prolonged periods. Kwik Start® LS is non-phytotoxic when used as directed and is compatible with most commonly used pesticides and fertilizers.

### SOIL APPLICATION RATES

Kwik Start® LS may be applied pre-plant, as a pop-up in furrow, as a starter, side dress, fertigated, top dressed, broadcast or banded to the soil. To apply alone, may be diluted with water to ensure uniform distribution.  
**ROW CROPS & VEGETABLE CROPS:** Kwik Start® LS may be used as a pop-up, in-furrow at 4 to 8 gallons per acre.  
**ROW CROPS & VEGETABLES:** Apply 5 to 30 gallons per acre in a surface or sub-surface band. Repeat applications are beneficial.  
**FRUIT CROPS, 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 - ROW CROPS, VEGETABLE & FRUIT CROPS, ORCHARDS & VINEYARDS:** Apply 5 to 8 gallons per acre in a minimum of 100 gallons of solution, not to exceed a 3% Kwik Start® LS to water solution concentration.

### FERTIGATION APPLICATION RATES

**ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Use 5 to 20 gallons per acre per irrigation. Continue irrigation for a minimum of 1 hour after application to maximize fertilizer distribution. Repeat applications are beneficial.  
**APPLICATION THROUGH DRIP IRRIGATION -** inject after irrigation filter.

### FOLIAR APPLICATION RATES

**ROW CROPS, VEGETABLE & FRUIT CROPS, ORCHARDS & VINEYARDS:** Apply 1/2 to 2 gallons per acre in enough water for thorough coverage. The maximum recommended concentration of Actagro Kwik Start® LS to water is 1:5.  
**VEGETABLES AND LEAFY CROPS:** Apply 1/2 to 2 gallons per acre in enough water for thorough coverage. The maximum recommended concentration of Actagro Kwik Start® LS to water is 1:5. Repeat applications are beneficial.

### GENERAL INFORMATION

Kwik Start® LS will be influenced by various soil and environmental factors 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 morning and late evening hours.

**CAUTION:** If any other chemicals are to be used in the spray mixture, be sure to check compatibility. Kwik Start® LS is not compatible with inorganic salts of heavy metals. Do not mix Kwik Start® LS with conventional calcium based fertilizers.

**CAUTION:** Foliar application of Kwik Start® LS 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.

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 pesticides or other nutrients.
3. Add Kwik Start® LS to circulating tank mix.
4. Fill tank and agitate thoroughly.

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