

# KWIK-START®

## 3-8-0



U.S. PATENT No. 4,786,307,  
No. 4,769,221 and No. 4,698,090

### ANTI-CRUSTANT POP-UP

#### GUARANTEED ANALYSIS

Total Nitrogen (N).....	3.0%
3.0%.....Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	8.0%
Zinc (Zn).....	0.05%
Derived from anhydrous ammonia, phosphoric acid and zinc sulfate.	

ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S):  
**2.5% ACTAGRO ORGANIC ACIDS® derived from leonardite.**

**Net Contents 5 gallons (18.9 liters)**

**9.7 lbs. per gallon (1163 grams/liter) @ 68° F**

#### MIXING INSTRUCTIONS

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

#### DIRECTIONS FOR USE

KWIK-START® should be applied over the seed immediately after planting and prior to the first irrigation. Banded applications (1 to 4 inch bands per seed line) are recommended. Use higher water volumes for wider bands. Use single flat fan or angled double flat fan nozzles.

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.

#### SOIL APPLICATION RATES

For broadcast applications apply 90 to 120 gallons of KWIK-START® per acre in a mix with clean water for a total spray volume of 300 to 400 gallons per acre.

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

For banded applications, the rate per acre of product and water should be reduced according to the following formula:

$$\frac{\text{Band Width (in.)}}{\text{Row Width (in.)}} \times \text{Rate Per Acre Broadcast} = \text{Banded Rate Per Acre}$$

*\*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.*

#### GENERAL INFORMATION

KWIK-START® contains Actagro Organic Acids® extracted from leonardite in a patented formulation. These organic acids are then combined with plant nutrients in a patented reaction process. The combination of these nutrients with Actagro Organic Acids® may aid in soil applied micronutrient availability.

KWIK-START® is an anti-crustant pop-up which is intended to reduce soil crusting and thereby enhance early root development and growth.

KWIK-START® is designed for use in all soil types.

KWIK-START® is non-phytotoxic when used as directed and is compatible with many commonly used pesticides and fertilizers.

KWIK-START® has a low salt index and can be applied directly over planted seeds after the press wheel. It should be concentrated for maximum response.

KWIK-START® should not be applied to crops that are likely to be stressed by high temperatures or lack of moisture.

**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>

**CAUTION:** Do not mix with pesticides or herbicides unless specifically tested prior to use.