

## GENERAL INFORMATION

**STRUCTURE**<sup>®</sup> contains Organic Acids extracted from leonardite in a patented formulation. These organics are then combined with liquid plant nutrients in a patented reaction process.

**STRUCTURE**<sup>®</sup> contains nitrogen, available phosphate, zinc chelate, and potash. This combination of nitrogen, phosphate, zinc and potash is intended to stimulate early root development, plant growth and fruit set. Using this product in a full Actagro fertilization program, may allow for a reduction in total applied nitrogen and phosphate.

**STRUCTURE**<sup>®</sup> may be placed 1-2 inches below seeds or directly injected into root system because the product is non-phytotoxic.

**STRUCTURE**<sup>®</sup> is designed for use in all soil types. It should be concentrated for maximum response. Apply it as a band in the soil or inject it through drip or micro-sprinkler systems. Application rates will vary depending on the crop grown.

**STRUCTURE**<sup>®</sup> is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Multiple applications may be beneficial. Applications should be made at night or early in the morning.

**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:** Always check compatibility with other products prior to use. Do not mix with conventional calcium based fertilizers. **STRUCTURE**<sup>®</sup> is not compatible with conventional products containing the salts of heavy metals



# STRUCTURE<sup>®</sup> 7-21-1

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

## FORMULATED FOR FOLIAR USE AND FOR DRIP SYSTEMS AND MICRO SPRINKLERS

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	7.0%
6.0% .....	Ammoniacal Nitrogen
0.3% .....	Nitrate Nitrogen
0.7% .....	Water Soluble Nitrogen
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) .....	21.0%
Soluble Potash (K <sub>2</sub> O).....	1.0%
Zinc (Zn) .....	0.2%

Derived from anhydrous ammonia, urea-ammonium nitrate, phosphoric acid, potassium hydroxide and zinc sulfate.

ALSO CONTAINS NON-PLANT INGREDIENTS  
7.0% ORGANIC ACIDS derived from leonardite.

## Net Contents 5 gallons (18.9 liters)

10.9 lbs. per gallon (1307 grams/liter) @ 68° F.

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PO BOX 309 • BIOLA, CA 93606  
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## DIRECTIONS FOR USE

### SOIL APPLICATION RATES

**VEGETABLES, CUCURBITS, ROW CROPS, FIELD CROPS:** Inject 20 to 30 gallons per acre prior to planting in the soil 2 to 4 inches directly below the seed line. **Alfalfa hay:** dribble 10 gallons per acre. Over newly harvested hay stubble, spray or dribble 8 to 12 gallons per acre. May be applied through center pivot irrigation systems.

**DECIDUOUS FRUIT AND NUT TREES, GRAPES, OLIVES AND CITRUS:** Inject 20 to 30 gallons per acre 3 to 5 inches deep at the drip line, or surface band and water into the soil.

### DRIP IRRIGATION - MICRO SPRINKLER

**ALL CROPS:** Use 5 to 20 gallons per acre per irrigation. Apply up to 30 gallons per acre during the crop season. **STRUCTURE**<sup>®</sup> can act as an acidifier for hard water if injected at a fast rate. **STRUCTURE**<sup>®</sup> will not form system-plugging precipitation, but restrictive colloids may be formed which are easily dispersed, or avoided with acidifying water treatment. Continue irrigation for 1 to 2 hours after application to flush lines and to maximize nutrient distribution.

**TURF:** Apply through drip or sprinkler system. Use 1 to 2 quarts per 1000 sq. feet, 3-4 times per season.

### FOLIAR APPLICATION RATES

**VEGETABLES, CUCURBITS, COLE CROPS, PEPPERS AND TOMATOES:** Use as a supplemental phosphate source prior to mid-season. A second application may be necessary. Apply with 10 to 30 gallons of water per acre at rates of 1 to 6 gallons per acre depending on bed size. May be applied through center pivot irrigation systems.

**ALL ROW CROPS:** Use 1-2 gallons per acre. Under deficient conditions a second application may be required two weeks later. Up to 4 gallons per acre may be applied. Apply with 10 to 20 gallons of water per acre.

**DECIDUOUS FRUIT AND NUT TREES, GRAPES, OLIVES AND CITRUS:** Apply 2 to 4 gallons per acre in a minimum of 50 gallons of water.

**NOTE:** For all crops, the rate of water should be sufficient for thorough coverage. Coverage is dependent on proper droplet size, which is a function of nozzle size and pressure.

### Mixing Instructions

ACTAGRO **STRUCTURE**<sup>®</sup> mixes easily with water, as follows:

1. Partially fill tank with water and start agitation.
2. Add pesticides or other nutrients. **STRUCTURE**<sup>®</sup> is compatible with micronutrients if used at a minimum of 8 parts to 1 part micronutrient.
3. Add **STRUCTURE**<sup>®</sup> to circulating tank mix.
4. Fill tank and agitate thoroughly.