

Liquid Humus®

0-0-4



SOIL AMENDMENT & FERTILIZER

GUARANTEED ANALYSIS

Soluble Potash (K₂O)4.0%
Derived from Leonardite and potassium hydroxide.

ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S)
22% ACTAGRO ORGANIC ACIDS® derived from
leonardite

Net Contents 5 gallons (18.9 liters)

10.0 lbs. per gallon (1199 grams/liter) @ 68° F

GENERAL INFORMATION

ACTAGRO LIQUID HUMUS® contains 22% Actagro Organic Acids® extracted from leonardite in a proprietary process. Actagro Organic Acids® are concentrated, complex organic molecules, similar to stable soil humus. Actagro Organic Acids® interact with soil particles to form organo-mineral complexes resulting in stable soil aggregates for improved soil structure. Increased aggregation leads to better soil aeration, improved water holding capacity, enhanced salt leaching and greater tilth. Actagro Organic Acids® may improve fertilizer efficiency and soil productivity.

ACTAGRO LIQUID HUMUS® is formulated with potassium for a highly efficient fertilizer source that helps maintain nutrient solubility. ACTAGRO LIQUID HUMUS® may enhance root growth and micronutrient uptake from soil or foliar applications.

DIRECTIONS FOR USE

ACTAGRO LIQUID HUMUS® can be applied to all vegetable, cucurbit crops, row crops, deciduous fruit and nut trees, grapes, olives, citrus, field crops, avocados, berries and ornamentals. Direct application of solutions may be made through drip, sprinkler or micro-sprinkler irrigation systems, directly to soil or foliar applied by air or ground application equipment. May be applied through center pivot irrigation systems. When mixing with AN-20, UAN or 10-34-0 dilution of ACTAGRO LIQUID HUMUS® with an equal volume of water is recommended. ACTAGRO LIQUID HUMUS® is non-phytotoxic when used as directed. 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

ACTAGRO LIQUID HUMUS® 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. May be used as a pop-up or in furrow at 2 quarts to 4 gallons per acre. Repeat applications may be beneficial. May be diluted with water for uniform distribution.

VEGETABLES, CUCURBITS, FIELD AND ROW CROPS: Use 1/2 to 10 gallons per acre.

DECIDUOUS FRUIT AND NUT TREES, GRAPES, BERRIES, OLIVES, AVOCADO AND CITRUS: Use 1/2 to 10 gallons per acre.

ORNAMENTALS: Apply through a drip system or directly to the soil. Use 1 quart to 2 gallons diluted with a minimum 10 gallons of solution for direct soil applications.

TURF: Apply through sprinkler system. Use 2 to 16 ounces per 1000 sq. feet, 3-4 times per season. Dilute in a minimum of 10 gallons of solution.

FERTIGATION: Drip irrigation, micro sprinklers, solid set and moving sprinklers. All crops: Use 1/2 to 10 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. **APPLICATION THROUGH DRIP IRRIGATION** - inject after irrigation filter.

TRANSPLANT WATER - ALL CROPS: Use 1 to 10 gallons per acre, not to exceed a 3% solution of ACTAGRO LIQUID HUMUS® to water.

FOLIAR APPLICATION RATES

ACTAGRO LIQUID HUMUS® can be applied to all vegetable, cucurbit crops, field and row crops, deciduous fruit and nut trees, grapes, berries, olives, avocados and citrus. Apply 1/4 to 3 gallons per acre with the appropriate dilution for adequate coverage. A maximum concentration of 1:10 ACTAGRO LIQUID HUMUS® to water should be used for foliar applications. 1:25 for ornamentals. Repeat applications may be beneficial.

MIXING INSTRUCTIONS

ACTAGRO LIQUID HUMUS® disperses well in water with a minimum of agitation. It may be combined with most fertilizer solutions using adequate agitation during mixing. Dilutions with water may be made at any time.

1. Partially fill tank with water and start agitation.
2. Add ACTAGRO LIQUID HUMUS® slowly to the circulating mix, mix thoroughly.
3. While agitating, inject the fertilizer product into the ACTAGRO LIQUID HUMUS® and water mixture.

CAUTION: 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 LIQUID HUMUS® 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. Use caution when handling.

**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.*

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

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ACTAGRO®, LLC.

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