



FOR USE IN IDAHO ONLY

# HUMIC ACID ENHANCER

## SOIL AND PLANT AMMENDMENT

**READ ENTIRE LABEL BEFORE USING THIS PRODUCT**

**ESTIMATED ANALYSIS\***

Total Nitrogen (N).....	0.05%
0.015% Ammoniacal Nitrogen	
0.035% Urea Nitrogen	
Soluble Potash (K <sub>2</sub> O).....	0.70%
Calcium (Ca).....	0.046%
Magnesium (Mg).....	0.02%
Sulfur (S).....	0.04%
Sulfate (SO <sub>4</sub> ).....	4,000 ppm
Boron (B).....	1.19 ppm
Iron (Fe).....	160 ppm
Manganese (Mn).....	5 ppm
Zinc (Zn).....	5 ppm

\* "This product is recognized for its soil amendment characteristics. It is recognized that it has nutrient value. Any nutrient claims, verbal or written, are estimates and not guaranteed."

**INGREDIENT LIST:**

<u>Liquid compost</u> .....	79.56%	
<u>    Viable beneficial soil microbes</u>		
Aerobic bacteria	2.3 X 10 <sup>7</sup>	CFU/CC
Yeasts and Molds	2.1 X 10 <sup>2</sup>	
Pseudomonads	1.1 X 10 <sup>6</sup>	
Actinomycetes	2.8 X 10 <sup>2</sup>	
Nitrogen-Fixing Bacteria	3.3 X 10 <sup>4</sup>	
Anaerobic Bacteria	4.9 X 10 <sup>6</sup>	
Algae enumeration	1.9 X 10 <sup>7</sup>	cells/CC
<u>Humic acid solution 6%</u> .....	15.8%	
<u>Trace mineral solution</u> .....	4.6%	
<u>Ascophyllum nodosom</u> .....	0.04%	

Derived From: poultry compost, leonardite ore, aluminum silicate (hydrated), and ascophyllum nodosom.

Weight per gallon = 8.46 Lbs.

**PURPOSE**

Humic Acid Enhancer (HAE) is a blend of natural organic and inorganic components for use as a Soil Amendment and Plant Amendment. Its activities includes: (Soil) Improvement of the physical, chemical and biological characteristics of the soil to favor plant growth. (Plant) Improvement in germination, growth, yield, quality, reproduction, and flavor of plants. Additional beneficial uses include, but are not limited to: Promotion of Anti-Crusting, Aids reduced runoff, Enhanced fertilizer efficiency, Nitrate reducer, Trace element nutrition, Enhances rooting, and Crop residue decomposition, etc.

**DIRECTIONS FOR USE**

Apply as a broadcast, banded, shanked or injected application (see directions for application). As the use of HUMIC ACID ENHANCER may affect crop nutrient response, timing and frequency of fertilizer applications should be based upon crop nutrition monitoring (tissue testing, post-harvest soil testing). Where warranted, adjust fertilizer rates and replace with a minimum of a 1:1 ratio of up to 15 gallons of HUMIC ACID ENHANCER per/acre/application. Use 20-40 gallons per acre in a minimum of two applications during the growing season, or as needed. Split applications should apply the majority of the material in the first application (2/3 of seasonal use), and the balance during the growing season (1/3). Example: Apply 30 gallons per acre per season in a minimum of two applications. The first application (primary inoculant), of 20 gallons should be applied prior to, or at planting. Subsequent (maintenance) applications of 5-10 gallons can be made through the most convenient application means (water run, or side dress).

**DIRECTIONS FOR APPLICATION**

Apply a seasonal total of 20-40 gpa through the following combinations.

	<u>Field/row crops</u> Gallons/Acre	<u>Tree Vine Crops</u> Gallons/Acre
Broadcast	15	15
Under seed	5	--
Side dress	3-5	10
Water run	3-15	15
Sprinkler	10	5-10

**INCOMPATIBILITIES**

Do not exceed a 50 percent mix with N-P-K fertilizers or CAL PLUS unless diluted with sufficient amounts of water to ensure ease of mixing and application. Always jar test newly attempted mixes. No other known incompatibilities. Avoid strongly acidic conditions. Do not mix with Aqua Ammonia, Sulfuric Acid, Urea Sulfuric Acid or soil fumigants.

**STORAGE**

Storage in a cone-bottomed tank to facilitate agitation is recommended. When stored in cone-bottomed tank, agitate 10 minutes before shipment. When stored in a flat-bottom tank, agitate 1 hour before shipment. Avoid air blast agitation as foaming will result. If foaming does occur through normal agitation, use a quality defoamer. Agitation is recommended once every month. Agitation prior to product transfer and shipment is required. Storage for longer than 12 months is not recommended.

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### HANDLING

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Follow appropriate safety procedures. Skin contact may cause temporary staining. In case of accidental exposure, flush with plenty of water. Product is non-hazardous.

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### CONDITIONS OF SALE AND WARRANTY

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Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to, damage to plants, crops and animals to which the material is applied, damage caused by drift to other plants or crops, and personal injury.

### SHAKE WELL BEFORE USING

NET CONTENTS: 5 GALLONS (19 liters)  
WEIGHT PER GALLON: 10 lbs

Manufactured for:  
WESTERN FARM SERVICE, INC.  
P.O. Box 1168  
Fresno, CA 93715

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