

**NET WEIGHT PER GALLON 11.5 LBS.  
1286 GRAMS PER LITER**

**NET CONTENTS 5 GALLONS  
18.93 LITERS**



## PRODUCT INFORMATION

### CROPS

**HUMIPLEX® HP-47** Liquid Nutrients can be applied to most vegetable crops, row crops, deciduous fruit and nut trees, citrus, avocados, grapes, melons, ornamentals, turf, pasture, range grasses, and most other crops.

**HP-47** is a new liquid plant food developed for use as a foliar feed, a regular plant food applied to the soil, and as a starter plant food with the seed or transplant.

**HP-47** liquid nutrients contain ENHANCE® (THA) Technical Humic acids. HP-47 nutrients are beneficial in combination with plant food and non-phytotoxic when used as directed.

**HP-47** nutrients with (THA) Technical Humic Acids are unique as they can be used in most all forms of liquid fertilizers. HP-47 nutrients can be banded at planting time, side-dressed or sprayed in water solutions directly on deficient plants. Humic Acids may aid in the uptake of micro-nutrients.

**HP-47** liquid nutrients have corrected deficiencies of a great many row crops, vegetables, and ornamental plants under soil conditions ranging from high organic matter (muck) to very low organic matter and from strong acid soils (pH 3) to high alkaline soils (pH 8.5) containing considerable calcium carbonate (free lime). HP-47 can be effective under dry land and irrigation farming conditions. Differences in soil conditions, climate and plant varieties will determine how much more effective HP-47 liquid nutrients are than other sources of nutrients.

Remember, these humic acid products are used to **fortify, produce, set and hold**. It is important that timely applications are made to achieve these results.

**"Information regarding the contents and levels of metals in this product is available by calling 1-800-542-6664"**

HUMIPLEX® Is a Registered Trademark of Western Nutrients Corporation.

ENHANCE® Is a Registered Trademark of Western Nutrients Corporation consisting of (THA) Technical Humic Acids.

# HUMIPLEX® HP-47 8 - 32 - 7

## Contains (THA) Technical Humic Acids

Total Nitrogen (N) .....	8.00%
8% Ammoniacal Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ).....	32.00%
Soluble Potash (K <sub>2</sub> O).....	7.00%
Iron (Fe).....	0.20%
Zinc (Zn).....	0.10%
Derived From: Urea, Ammonium Phosphate, Phosphoric Acid, Potassium Pyrophosphate, Zinc and Iron Sulfate.	

\* Also contains **NON-PLANT FOOD**  
2.5% Humic Acid derived from Leonardite.

**KEEP OUT OF REACH OF CHILDREN**

**WARRANTY:** Western Nutrients Corp. makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on the Western Nutrients Corp. label attached to the product container.

## MANUFACTURED BY WESTERN NUTRIENTS CORPORATION

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## APPLICATION RATES

### GENERAL APPLICATION RATES

**HUMIPLEX HP47** should be used on most crops in a foliar application at the rate of 1-4 quarts per acre. Four timely applications give the best results. **HUMIPLEX HP47** should always be used any time the plant, tree, or vine is in a stress situation to fortify the plant and maintain sufficient levels of nitrogen and phosphorous.

### SOIL AND SIDE DRESS APPLICATION RATES

Soil: 1 to 6 gallons per acre.

**HUMIPLEX HP47** can be applied pre-plant, at planting time or Side dressed after the crop has emerged. The usual carrier is water or liquid fertilizer. Side dress: 1 to 4 gallons per acre at planting or within a few weeks after planting.

### FOLIAR APPLICATION RATES

**Tree:** Start as early as possible, usually at bud stage or just prior to first bloom and continue at 10-15 day intervals. Use 2-3 quarts per acre. The second, third, and fourth applications should come at petal fall and then two more applications after petal fall. These timely applications will insure sufficient levels of nitrogen and phosphorous to hold the set intact.

**Vegetable Crop:** Apply at the rate of 1-2 quarts per acre just prior to first bloom, or when the plant is 3-4 inches high, and continue at two week intervals. These applications can be made during a regular spray program. This practice will give a more uniform maturity, higher yields, larger fruit, better color and a stronger root system.

**Field Crop:** Apply at the rate of 1 -2 quarts per acre, just prior to bloom, or when the plant is 3-4 inches tall. Four timely applications should be made during a regular spray program.

**Cotton:** Apply at the rate of 2-3 quarts per acre, when the first true leaves appear, one week before peak bloom, followed by 2 more applications at two week intervals just after peak bloom.

**Wheat and Other Small Grain:** Apply at the rate of 2-4 quarts per acre at boot stage, or when the plant is 8 to 10 inches tall and again when the grain heads out. This can be done during a regular spray program. This practice will increase the number of heads and give a heavier bushel weight.

**Grape--General Application:** Apply at the rate of 1-2 quarts per acre, when the canes reach 15-20 inches in length, at buckshot stage, or after shatter. This practice will produce a heavier yield, bigger grapes, earlier harvest, and higher sugar content.

**Table Grapes:** Apply 1 quart per acre of HUMIPLEX HP47 when bunches attain a length of 2-4 inches.

**Wine Grapes and Raisins:** Apply 2 quarts per acre of HUMIPLEX HP47 from time canes are 2 inches in length to shortly before bloom, immediately after shatter and 2-3 weeks after shatter.

### DILUTION RATES

**Aircraft and low volume sprayer:** Use a minimum of 5 gallons of water per acre.

**Convention Sprayers:** Use a minimum of 20 gallons of water per acre.

**Dilute Spray:** Use 200-500 gallons of spray solution per acre.

**Concentrated Spray:** Use 50-150 gallons of concentrated spray solution per acre.

**Note:** A wetting agent or spreader can be used when applying HUMIPLEX® HP-47.