

# HUMIPLEX HP-40™

## 7-28-4

**Contains (THA) Technical Humic Acids**

### GUARANTEED ANALYSIS

TOTAL NITROGEN (N).....	7.00%
7% Ammoniacal Nitrogen	
AVAILABLE PHOSPHORIC ACID (P <sub>2</sub> O <sub>5</sub> ).....	28.00%
SOLUBLE POTASH (K <sub>2</sub> O).....	4.00%
IRON (Fe).....	0.20%
ZINC (Zn).....	0.10%

Derived from Ammonium Phosphate, Phosphoric Acid, Potassium Polyphosphate, Iron Sulfate, Zinc Sulfate.

**ALSO CONTAINS NON-PLANT FOOD INGREDIENT:  
0.06% HUMIC ACID DERIVED FROM LEONARDITE**

NOTE: A wetting agent or spreader can be used when applying  
**HUMIPLEX HP-40™**

**KEEP OUT OF REACH OF CHILDREN**

**WARRANTY:** WESTERN NUTRIENTS CORPORATION 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 Corporation label attached to the product container.

HUMIPLEX HP-40 is a Registered Trademark of Western Nutrients Corporation.  
ENHANCE is Registered Trademark of Western Nutrients Corporation consisting of (THA) Technical Humic Acids.

NET CONTENTS 5 GALLONS  
18.93 LITERS  
11.5 LBS. PER GAL @ 68 ° F  
1286 GRAMS PER LITER @ 20 ° C



**MANUFACTURED BY - WESTERN NUTRIENTS CORPORATION**

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### PRODUCT INFORMATION

#### CROPS

**HUMIPLEX HP-40™** 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.

**HUMIPLEX HP-40™** 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.

**HUMIPLEX HP-40** liquid nutrients contain **ENHANCE®** (THA) Technical Humic Acids. HUMIPLEX HP-40 nutrients are beneficial in combination with plant food and non-phytotoxic when used as directed.

**HUMIPLEX HP-40** nutrients with (THA) Technical Humic Acids are unique as they can be used in most all forms of liquid fertilizers. HUMIPLEX HP-40 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 micronutrients.

**HUMIPLEX HP-40™** 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). **HUMIPLEX HP-40™** is effective under dry land and irrigation farming conditions. Differences in soil conditions, climate and plant varieties will determine how much more effective **HUMIPLEX HP-40™** 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.

#### CAN BE USED IN HOME & GARDEN

#### APPLICATION RATES

##### GENERAL APPLICATION RATES

**HUMIPLEX HP-40** should be used on most crops in a foliar application at the rate of 1-4 quarts (1-4 liters) per acre. Four timely applications give the best results. **HUMIPLEX HP-40** 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 (4-22 liters) per acre. **HP-40** can be applied preplant, at planting time or side dressed after the crop has emerged. The usual carrier is water or liquid fertilizer. **Side dress:** 1-4gallons(4-15liters) 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 (2-3 liters) 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 (1-2 liters) 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 (1 -2 liters) 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 (2-3 liters) 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 (2-4 liters) 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. **Grapes—**

**General Application:** Apply at the rate of 1-2 quarts (1-2 liters) 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(1 liter) per acre of HUMIPLEX HP-40 when bunches attain a length of 2-4 inches. **Wine Grapes and Raisins:** Apply 2 quarts (2 liters) per acre of HUMIPLEX HP-40 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 sprayers: Use a minimum of 5 gallons (19 liters) of water per acre. Conventional sprayers: Use a minimum of 20 gallons (76 Liters) of water per acre. Dilute spray: Use 200-500 gallons (757-1892 liters) of spray solution per acre. Concentrated spray: Use 50-150 gallons (189-568 liters) of concentrated spray solution per acre.