



# MORA-LEAF<sup>®</sup>

## FOLIAR NUTRIENTS



### GENERAL INFORMATION

MORA-LEAF<sup>®</sup> HI-P is designed primarily for foliar applications to prevent or correct multiple micronutrient deficiencies in a wide range of agronomic and ornamental plants. Its use is suggested as a supplement to a regular, balanced fertilizer program to enhance yields and improve quality.

Application of MORA-LEAF HI-P is a means of obtaining a quick response to needed elements. Foliar applications of MORA-LEAF HI-P may be particularly beneficial during periods of peak nutrient demand, for crops grown on soils having poor nutrient availability or to crops suffering from a weakened root system.

MORA-LEAF HI-P should be used as part of a comprehensive Total Nutrition System<sup>®</sup> for optimizing plant growth, development, yield and quality.

### DIRECTIONS FOR USE

MORA-LEAF HI-P may be applied as a foliar spray by air, ground concentrate or dilute. Maintain agitation to provide uniform distribution within spray tank. Use of a high quality CPDA approved spreader, such as R-11<sup>®</sup>, at recommended rates to improve spray cover is usually advised. Do not apply when plants are under excessive heat or moisture stress. Applications of foliar nutrients to leafy vegetables or soft-skinned fruits during periods of excessive temperatures may cause cosmetic injury. Applications of certain micronutrients to fleshy fruits within 30 days of harvest may result in staining of rind or skin.

Add MORA-LEAF HI-P to spray tank that is at least 50% full with water and maintain agitation. MORA-LEAF HI-P should dissolve rapidly and distribute uniformly. When water temperatures are cold, allow extra time for this product to completely dissolve. Do not exceed 2 pounds MORA-LEAF HI-P per gallon of water. Unless otherwise specified on tank mixed pesticide labels, add pesticide last. When combining with products packaged in water-soluble pouches, allow pouches to dissolve completely before adding nutrients.

**ALFALFA and CLOVER:** Use 5 to 10 pounds per acre per application. First application at 6 to 8 inches, repeat application to new growth after each cutting.

**BEANS, PEAS and LENTILS:** Use 5 to 10 pounds per acre per application.

**BERRIES: (Blackberries, Cranberries, Raspberries and Strawberries).** Use 5 to 10 pounds per acre in Spring on new growth. Repeat at pre-bloom and 3 weeks later. Use sufficient water for good coverage.

**CARROTS, BEETS, SWEET POTATOES and OTHER VEGETABLE ROOT CROPS:** Use 5 to 10 pounds per acre per application.

**CITRUS:** Bloom Spray: Use 3 to 4 pounds per 100 gallons of water, maximum 16 pounds per acre per application. Concentrate: Use a maximum of 12 pounds per acre per application in a minimum of 12 gallons of water. Mid-season: Use 5 to 15 pounds per acre each application in a minimum of 1 gallon of water per 1 pound of product.

**CORN:** (Field and Sweet). Use 5 to 10 pounds per acre per application.

**COTTON:** Use 5 to 10 pounds per acre per application.

**DECIDUOUS FRUITS and NUTS:** Including, but not limited to, almonds, apples, apricots, cherries, nectarines, peaches, pears, plums, prunes and walnuts. Apply as pre-bloom and post-bloom sprays. For newly planted orchards and vineyards, dissolve 5 pounds of MORA-LEAF<sup>®</sup> per 100 gallons of water and apply 2 to 3 gallons per tree or vine as a post-plant soil treatment around roots. Dilute: Use 3 to 4 pounds in 100 gallons of water, maximum 16 pounds per acre. Concentrate: Use a maximum of 12 pounds per acre in a minimum of 20 gallons of water. Do not apply with materials that may cause russeting. Do not apply on Anjou Pears once temperatures reach 80°F or higher. Do not apply on Anjou Pears after fruit turn-down stage.

**GRAPES and BLUEBERRIES:** Ground sprayers: Use 5 to 10 pounds per acre in 50 to 100 gallons of water. Air application: Use 5 to 8 pounds per acre in 10 gallons of water. Apply when leaves emerge, pre-bloom and post-bloom.

**HOPS:** Ground sprayers: Use 5 to 10 pounds per acre per application. Air application: Use 5 to 10 pounds per acre in not less than 10 gallons of water.

**LETTUCE, CELERY, COLE CROPS and LEAFY VEGETABLES:** Use 5 to 10 pounds per acre per application. Make several applications at intervals of 10 to 14 days starting at thinning period or after transplanting. Use additional wetting agent on cole crops.

**MELONS, CUCUMBERS and OTHER CUCURBITS:** Use 5 to 10 pounds per acre per application. Make two or more applications at intervals of 2 to 3 weeks starting just prior to bloom.

**MINT:** Use 5 to 10 pounds per acre per application.

**ONIONS (Dry and Green) and GARLIC:** Use 5 to 10 pounds per acre per application. Additional wetting agent may be needed.

# HI-P

## A SUPERIOR WATER-SOLUBLE FOLIAR FEED

### 10-45-10

### \*GUARANTEED ANALYSIS

Total Nitrogen (N).....	10.00%
1.1% Urea Nitrogen	
8.9% Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	45.00%
Soluble Potash (K <sub>2</sub> O).....	10.00%
Sulfur (S).....	4.00%
Boron (B).....	0.02%
Copper (Cu).....	0.05%
0.05% Chelated Copper	
Iron (Fe).....	0.10%
0.10% Chelated Iron	
Manganese (Mn).....	0.05%
0.05% Chelated Manganese	
Molybdenum (Mo).....	0.0005%
Zinc (Zn).....	0.05%
0.05% Chelated Zinc	

Derived from: Monoammonium Phosphate, Monopotassium Phosphate, Urea, Ammonium Sulfate, Potassium Sulfate, Boric Acid, Sodium Molybdate, Copper EDTA, Iron EDTA, Manganese EDTA, and Zinc EDTA.

\*In Michigan and Canada reads "Minimum Guaranteed Analysis"

**CAUTION:** This fertilizer is to be used only on crops which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals (ruminants).

**Warning:** This fertilizer contains Boron. Its use on any other plants or under any other conditions other than those specified on the label may result in plant injury.

## KEEP OUT OF REACH OF CHILDREN

# CAUTION

### PRECAUTIONARY STATEMENT

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Do not ingest. Avoid contact with skin, eyes or clothing.  
Avoid breathing dust, vapor or mist.

### FIRST AID

In all cases, call a poison control center or doctor for further treatment advice.  
**IF SWALLOWED,** call a poison control center or doctor immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.  
**IF ON SKIN,** take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF INHALED,** move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. **IF IN EYES,** hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

## NET WEIGHT: 25 POUNDS (11.34 kg)

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

Manufactured by/for: **Wilbur-Ellis Company**  
7 E. Washington Ave. • Yakima, WA 98903

K-061009

### DIRECTIONS FOR USE (continued)

**POTATOES:** Use 5 to 10 pounds per acre. Apply at initial tuber formation. Subsequent applications at 2 to 3 week intervals. Later applications may prolong vine life.

**SMALL GRAINS: (Barley, Oats, Rye and Wheat).** Use 5 to 10 pounds per acre in sufficient water to cover by air or ground. Apply at tillering and again at early boot stage. **CAUTION:** Use only with ester form when combining with 2,4-D. Do not use with amine form of 2,4-D or with Banvel.

**CANOLA, SAFFLOWER, SUNFLOWER and OTHER OILSEED CROPS:** Use 5 to 10 pounds per acre per application.

**SUGAR BEETS:** Use 5 to 10 pounds per acre. Apply when leaves are 10 inches across. Repeat 3 to 4 weeks later. Additional wetting agent may be needed.

**TOMATOES and PEPPERS:** Use 5 to 10 pounds per acre per application in enough water to give even distribution of material. One to three applications are advised at 2 to 3 week intervals, starting in period prior to bloom.

**VEGETABLE TRANSPLANTS:** Use MORA-LEAF<sup>®</sup> as a transplant starter fertilizer by dissolving no more than 5 pounds in 100 gallons of water and apply as a soil treatment around root ball or plug.

**GARDENS, SHRUBS, FLOWERS and LAWNS:** Dissolve 1/2 pound in 10 gallons of water and apply to foliage with sprayer. For ground application, use 1 pound per 200 sq. ft.

### COMPATIBILITY

MORA-LEAF HI-P is formulated to achieve an acidic spray solution. Final spray solution pH will vary depending on rate, water volume and quality. Do not combine with copper crop protection chemicals if spray solution has a pH of 6.5 or less. Always jar test new combinations for compatibility prior to field mixing.

For chemical spills, leaks, fire or exposure, call CHEMTREC: (800) 424-9300.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store in a safe manner. Store in original container only and keep tightly sealed when not in use. Dispose of unused product and empty containers in accordance with Federal, State and local regulations.

Conditions of Sale and Limitation of Warranty and Liability:

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of the product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer and User accept all risks arising from any use of this product, including without limitation uses contrary to label instructions, under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.

To the extent permitted by law, neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

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