

LICENSED HAWAII DEPT. OF AGRICULTURE  
 2009-2011 8496.2  
 Period No.

# KeyPlex<sup>®</sup> 350 OR

FOR ORGANIC PRODUCTION

with Chelated Micronutrients, Yeast Hydrolysate, Humic Acid, And Alpha-Keto Acids

Department of Agriculture STATE OF HAWAII

LICENSED

PERIOD 2015-2017 LIC. NO.

8496.2

**ACTIVE INGREDIENT**

Yeast extract Hydrolysate from *Saccharomyces cerevisiae*.....000.063%  
 OTHER INGREDIENTS..... 99.937%  
 TOTAL ..... 100.000%

Refer to fertilizer ingredients section of label for nutritional content information.  
**READ THE LABEL BEFORE USE KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

Department of Agriculture STATE OF HAWAII

LICENSED

PERIOD 2009-2011 LIC. NO.

Department of Agriculture STATE OF HAWAII

LICENSED

PERIOD 2012-2014 LIC. NO.

**FIRST AID**

**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 eye.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-433-7017 for emergency medical treatment information.

**PRECAUTIONARY STATEMENTS**  
 Hazards to Humans and Domestic Animals  
**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.  
**Personal Protection Equipment (PPE):**  
 Applicators and other handlers must wear long sleeved shirts, long pants, socks, and shoes. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:**  
 Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

Manufactured for:  
 Morse Enterprises Limited, Inc.  
 Brickell East, Floor Ten, 151 S.E. 15 Road,  
 Miami, Florida 33129  
 Toll Free 1-800-433-7017

Net Contents: 2.5 Gallons  
 Net Weight: 27.5 lbs. (12.58kg.)  
 Weight per gallon: 11.00lbs.

EPA Reg. No. 73512-4

EPA EST. 75777-FL-001

**FERTILIZER INGREDIENTS**  
 [NUTRITIONAL CONTENT (from other ingredients)]  
**GUARANTEED ANALYSIS**

Total Magnesium (Mg)..... 1.50%  
 1.50% Water Soluble Magnesium (Mg)  
 Combined Sulfur (S)..... 4.00%  
 Boron (B)..... 0.16%  
 Iron (Fe)..... 3.50%  
 3.50% Chelated Iron (Fe)  
 Manganese (Mn)..... 0.75%  
 0.75% Chelated Manganese (Mn)  
 Molybdenum (Mo)..... 0.003%  
 Zinc (Zn)..... 0.75%  
 0.75% Chelated Zinc (Zn)  
 Total Nitrogen (N)..... Trace (<0.1%)  
**Derived From:** Magnesium Sulfate, Manganese Citrate, Zinc Citrate, Iron Citrate, Sodium Borate and Sodium Molybdate.

**IPM Use for Plant Disease Management**

**KeyPlex 350 OR** will aid in the prevention of certain plant diseases when applied as a foliar spray, such as post-bloom fruit drop and greasy spot diseases of citrus, and bacterial leaf spot of tomatoes.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:  
 • Coveralls • Shoes plus Socks • Waterproof Gloves

**NON-AGRICULTURAL USE REQUIREMENTS**

These requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. For non-agricultural uses, do not enter treated areas without protective clothing until spray has dried.

**GENERAL INFORMATION**

**KeyPlex 350 OR** is a formulation of micronutrients most often found deficient in commercial crops and trees. It contains alpha-keto acids, which facilitate utilization of micronutrients, and increase resistance to environmental stress.

**KeyPlex 350 OR** will elicit production of defensive proteins in certain plants. **KeyPlex 350 OR** will aid in the prevention of certain plant diseases such as post-bloom fruit drop and greasy spot diseases of citrus, and bacterial leaf spot disease of tomatoes. For disease control, apply foliar sprays of **KeyPlex 350 OR** in sufficient water to obtain adequate coverage.

**KeyPlex 350 OR** is also formulated for foliar application to prevent and correct micronutrient deficiencies when used as directed. Maintaining proper levels of micronutrients usually results in increased plant vigor, better yields, superior fruit size and quality, and longer shelf life.

**SPRAY DRIFT FOR AERIAL APPLICATION**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment – and weather – related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

**MIXING AND COMPATIBILITY**

**KeyPlex 350 OR**, when added to the spray tank water, will lower the water pH, and can be used in combination with pesticides. However, in unfamiliar mixtures use a "jar compatibility" test using proper proportions of chemicals and water.

**APPLICATION INSTRUCTIONS**

Apply **KeyPlex 350 OR** as a foliar spray after dilution and mixing with water in accordance with label instructions. Make applications of **KeyPlex 350 OR** in sufficient spray volume to ensure thorough coverage. Apply **KeyPlex 350 OR** with spray equipment commonly used for making ground and aerial foliar applications. **For Ground Applications:** Apply in sufficient water volume for thorough coverage of foliage. For dilute applications on tree fruits and tree nuts apply specified rate in 30 to 100 gallons of water per acre. For dilute applications on other crops apply specified rate in 20 to 100 gallons of water per acre. For concentrate applications on tree fruits and tree nuts apply specified rate in 30 to 100 gallons of water per acre. For concentrate applications on other crops apply specified rate in at least 20 gallons of water per acre. Concentrate applications require special concentrate applications equipment. **For Aerial Applications:** On all crops use the rates in the table and mix the product in at least 15 gallons of water per acre. Do not apply this product through any type of irrigation system.

**APPLICATION RATES FOR CROPS AND TURF**

CROP CATEGORY	QUARTS/ACRE
TREE FRUITS & TREE NUTS Citrus, Tropical Fruits Peaches, Other Deciduous Fruits, Pecans, Other Tree Nuts	2 to 3
VEGETABLES, COMMON FIELD CROPS & TURF Tomatoes, Other Vegetables, Peanuts, Cotton, Tobacco, Other Field Crops, Turf	1 to 2
SMALL FRUITS Caneberries, Blueberries, Cranberries	1 to 2

• Use the higher rate under moderate to severe disease pressure. Addition of 3 to 5 pounds of urea per 100 gallons of water will aid leaf penetration.

**Tree Fruits and Tree Nuts (including Citrus, Apples, Pears, Peaches, Cherries, Almonds and Pecans)**

**Citrus:** Apply 2 to 3 quarts of product per acre as a foliar spray. If a pre-bloom application is made, apply 2 to 3 quarts of product per acre as foliar spray. Repeat applications at petal fall and make one or two summer sprays as needed. Apply the summer sprays with summer oil for best results. Apply summer sprays at 14 to 21 day intervals. Tank mix **KeyPlex 350 OR** with summer oil and apply the oil at the manufacturer's rate of application. Thorough spray coverage of plant foliage is essential.  
**For All Other Tree Fruits and Tree Nuts:** Apply one pre-Bloom application. Repeat application at petal fall and again at 14-21 day intervals, as needed.

**Vegetables, Field Crops and Turf**

**Vegetables including pepper and tomato:** Apply 1 to 2 quarts of product per acre as a foliar spray starting at the 4-6 leaf stage. Apply two applications prior to bloom. Repeat applications at 7-14 day intervals, as needed. On other vegetables, apply one application three to five days after emergence or transplanting. Repeat applications at 7-14 day intervals, as needed.  
**Field Crops (including peanuts, cotton and tobacco):** Apply 1 to 2 quarts per acre of product as a foliar spray four to six weeks after emergence or transplanting, followed by up to 4 additional applications at 14 to 21 day intervals.  
**Turf:** Apply 1 to 2 quarts of product per acre as a foliar spray (0.75 to 1.5 fluid ounces per 1000 square feet). Repeat at 7 to 21 day intervals, as needed.  
**Small Fruits (Including caneberries, blueberries, and cranberries)** Apply one application prior to bloom followed by up to three applications at 14 to 21 day intervals as needed.

**Application Rates for Ornamental Plants (Woody and herbaceous ornamentals and foliage plants)**  
 Use 1 quart of **KeyPlex 350 OR** per 100 gallons of water. Start applications 1 to 2 weeks after emergence or transplanting. Repeat at 7 to 21 day intervals, as needed. Addition of 1 to 2 pounds of urea per 100 gallons of water will aid leaf penetration. Apply as foliar spray in sufficient water to obtain thorough coverage of the foliage.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.  
**Pesticide Storage:** Store in a cool, dry location.  
**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**Container Disposal:** Triple rinse (or equivalent) Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE**

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 of fitness of a particular product expressed or implied extends to the use of this product contrary to label instructions or under abnormal conditions not reasonably foreseeable to the seller, and buyer