

# OHP

# Vegetable & Herbs SOLUTIONS™



# OHP Products labeled for use on Vegetables, Tomatoes and Fruit and Nuts

OHP Product	TYPE	Vegetable Transplants	Herbs	Vegetables	Tomatoes	Fruits and Nuts
<b>Azatin® XL</b>	Insecticide	✓	✓	✓	✓	✓
<b>Floramite® SC</b>	Miticide	✓			✓ Fruit larger than 1"	✓ Non-bearing
<b>Kontos™</b>	Insecticide/Miticide	✓				
<b>Marathon® 1% G</b>	Insecticide	✓				
<b>Marathon® II</b>	Insecticide	✓				✓
<b>SoilGard® 12G</b>	Fungicide	✓	✓	✓	✓	✓
<b>Triact® 70</b>	Insecticide/Miticide/ Fungicide	✓	✓	✓	✓	✓
<b>Veranda™ O**</b>	Fungicide	✓		✓	✓	✓

More information on the products listed above may be found on the OHP website at [www.ohp.com](http://www.ohp.com), or from your OHP regional sales manager.

\*\* Not registered for use on vegetables, tomatoes and fruit and nuts in California.

## Azatin® XL

**Azatin XL** is a highly effective biological insect growth regulator used to control a broad-spectrum of greenhouse and nursery insects. With a rate range of 5 to 16 fl. oz. per 100 gallons of water **Azatin XL** fits in well with all IPM programs and can be used on all crops in the greenhouse including vegetables and herbs. Insects do not survive the molting process to become reproductive adults. Death is visible from 3-10 days after application, but insects will stop feeding long before they die.

**Labeled for use on:** Ornamental, vegetable and herb crops grown in the greenhouse, interiorscape and nursery.

**Insects Controlled:** Aphids, caterpillars, fungus gnats, leafminers, thrips, mealybugs, and whiteflies. (See label for complete list of insects controlled.)

**Packaging:** 1 quart container, 6 per case

**Notes:** For best results thorough spray coverage and a final spray solution pH of 3.0 to 7.0 is recommended.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate per 100 gallons	Rate per 1 gallon	Application
70051-27-59807	4 hours	Biological Insecticide	U	Azadirachtin	5 to 16 fluid ounces	1/3 tsp to 1 tsp	Drench or spray

## Floramite® SC

**Floramite SC Ornamental Miticide** provides outstanding control of a variety of mite pests on ornamental plants in greenhouse, shadehouse, nursery, field, landscape and interiorscape settings. **Floramite SC** is effective on a variety of mites and all life stages of Tetranychid spider mites.

**Floramite SC** produces quick knockdown through contact activity and long residual control of more than 21 days. **Floramite SC** is soft on predacious mites and beneficial insects, making it ideal for use in IPM and resistance management programs.

**Labeled for use on:** All ornamental plants, including bedding plants, flowering plants, foliage plants, bulb crops, perennials, trees and shrubs. All non-bearing fruit trees and greenhouse tomatoes, varieties greater than 1" in diameter when mature.

**Mites Controlled:** Variety of spider mites and all life stages of Tetranychid mites.

**Packaging:** 1 quart container, 8 per case

**Notes:** For best results adjust tank pH to neutral or acidic range as **Floramite SC** degrades rapidly in alkaline water. For optimal control of high populations, add a spray adjuvant such as Silwett 77® or Sylgard 309®. Users should test plant safety of adjuvants prior to commercial use.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate per 100 gallons	Rate per 1 gallon	Application
400-508-59807	12 hours	Carbazates	U	Bifenazate	4 to 8 fluid ounces	1/4 tsp to 1/2 tsp	Spray

## Kontos™

**Kontos** is a systemic insecticide from the tetramic acid class of chemistry (MOA Group 23). **Kontos** can be applied as a foliar spray or drench and controls a number of major sucking insect and mite pests, including adelgids, aphids, leafhoppers, mealybugs, psyllids, spider mites, spittlebugs and whiteflies. **Kontos** is both xylem and phloem active, meaning that the systemic activity moves upward and downward in treated plants.

**Kontos** is a suspension concentrate formulation containing 2 pounds of the active ingredient spirotetramat per gallon.

**Labeled for use on:** **Kontos** may be used on ornamental plants in greenhouses and nurseries, including non-bearing fruit and nut trees (i.e., trees that will not bear fruit or nuts for one year after application) and vegetable transplants.

**Mites/Insects Controlled:** Adelgids, aphids, leafhoppers, mealybugs, psyllids, spider mites, spittlebugs, whiteflies.

**Packaging:** 250 mL (8.45 fl. oz.) container, 6 per case

**Notes:** There is no known cross resistance of **Kontos** with other pesticide modes of action groups, making it an excellent part of a resistance management program.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate (see label)	Application
432-1471-59807	24 hours	Tetramic acid derivative (keto-enole)	23	Spirotetramat	Subject to Application Method	See above

## Marathon® 1% G

**Marathon 1% G** is a highly-active insecticide that demonstrates systemic activity in plants when applied to the soil surface or incorporated into the media. It offers up to 8 weeks of residual control on ornamental and vegetable plants for resale grown in the greenhouse or nursery.

**Labeled for use on:** Ornamentals, fruit and nut trees, and vegetable plants in greenhouses, nurseries and interior landscapes.

**Insects Controlled:** Aphids, whiteflies, thrips, mealybugs, soft scale.

**Packaging:** 5 lbs. container, 4 per case and 50 lbs. drum

**Notes:** Watering, timing, and rotation are keys in making successful applications.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate (see label)	Application
432-1329-59807	12 hours	Neonicotinoid	4a	Imidacloprid	1/8 - 1 1/2 teaspoons per pot depending on size	Topical or incorporated into media

## Marathon® 60 WP

**Marathon 60 WP** is a wettable powder in a water soluble packet that allows for a foliar spray, drench, or ebb and flood application for control of insect pests on ornamentals and vegetable plants for resale grown in the greenhouse or nursery.

**Labeled for use on:** Ornamentals and vegetable plants in greenhouses, nurseries, and interior landscapes.

**Insects Controlled:** Aphids, whiteflies, thrips, mealybugs, soft scale.

**Packaging:** 1600 grams per master case, 20 gram packets, 5 packets per pouch

**Notes:** Watering, timing, and rotation are keys in making successful applications.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate (see label)	Application
432-1361-59807	12 hours	Neonicotinoid	4a	Imidacloprid	Subject to Application Method	See above

## Marathon® II

**Marathon II** is a flowable formulation that allows for a foliar spray application on ornamentals and vegetable plants for resale grown in the greenhouse or nursery. With very low rates **Marathon II** as a spray offers 3–4 weeks of control on sucking and piercing insects (aphids, whiteflies, and thrips).

**Labeled for use on:** Ornamentals, fruit and nut trees, and vegetable plants in greenhouses, nurseries and interior landscapes.

**Insects Controlled:** Aphids, whiteflies, thrips, mealybugs, soft scale.

**Packaging:** 250 mL container, 12 per case

**Notes:** Watering, timing, and rotation are a key in making successful applications.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate per 100 gallons	Rate per 1 gallon	Application
432-1369-59807	12 hours	Neonicotinoid	4a	Imidacloprid	1.7 fluid ounces	1/10 tsp	Foliar spray, broadcast spray or drench

## SoilGard® 12G

*G. virens*, the active ingredient in **SoilGard 12G** is a naturally occurring soil fungus, which is antagonistic to plant pathogenic fungi such as Pythium and Rhizoctonia, thereby aiding in control of these damping off and root rot pathogens. **SoilGard 12G** acts as a preventative and will protect non-infected plants. It does not, however, cure already infected plants. Where possible allow the treated soil or media to incubate for 1 day prior to planting to achieve the best results. Do not use other soil fungicides at the time of incorporation. Later addition of fungicides is acceptable but usually unnecessary.

**Labeled for use on:** Ornamentals and food crop plants grown indoors and outdoors, in greenhouses, nurseries, and interiorscapes.

**Diseases Controlled:** Pythium and Rhizoctonia (Damping off and Root Rot)

**Packaging:** 5 lbs. bags, 4 per case

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate per 100 gallons	Rate per 1 gallon	Application
70051-3	4 hours	Microbial (preventive)	NC	Gliocladium virens strain GL-21	.5 lbs. to 2 lbs.	1/2 tsp to 2 tsp	Drench or Soil Incorporation

## Triact® 70

**Triact 70** (clarified hydrophobic extract of Neem oil) is a broad-spectrum fungicide, miticide and insecticide (OMRI listed). This highly effective and economical botanical oil may be used indoors as well as outdoors on ornamental flowering plants, trees, shrubs and foliage grown in greenhouses, interiorscapes and commercial landscapes. As a fungicide, **Triact 70** is a preventative as well as a curative. It coats fungal spores and then dehydrates them to stop the disease cycle. Use **Triact 70** when conditions favor disease development but before major symptoms occur. As a miticide and an insecticide, **Triact 70** acts as a suffocant. To ensure maximum control thorough coverage of **Triact 70** is key. Use **Triact 70** at rates of 0.5 to 2 percent at spray intervals of 7 to 10 days. **Triact 70** makes an excellent tool for all well developed IPM programs.

**Labeled for use on:** For indoor/outdoor use on ornamental flowering plants, trees, shrubs, foliage, herbs and vegetable plants grown in nurseries, greenhouses and commercial landscapes.

**Insects, Mites, and Diseases Controlled:** A broad spectrum insecticide, miticide and fungicide. OMRI listed. See label for more information.

**Packaging:** 2.5 gallon container, 2 per case

**Notes:** Water temperature should be above 45° F. **Triact 70** is compatible with most commonly used fungicides, insecticides, and fertilizers. Avoid tank mixes of oxythioquinox, captan, sulfur, chlorothalonil or other chemically similar products. Refer to the label or Product Information Bulletin for crop sensitivities.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate per 100 gallons	Rate per 1 gallon	Application
70051-2-59807	4 hours	Oil	M	Clarified hydrophobic extract of neem oil	1/2 gallon , 1 gallon to 2 gallons	3 3/4 tsp to 7 1/2 tsp to 15 tsp (5 tablespoons)	Spray

## Veranda™ O

**Veranda O** is a member of the polyoxins class of fungicides. As a member of an unique chemical class **Veranda O** is an excellent rotational tool for control of important diseases such as Botrytis, Alternaria, Rhizoctonia and others.

**Labeled for use on:** Ornamentals and various crops including: cucurbit vegetables, fruiting vegetables, pome fruits, strawberries and non bearing vine fruit and fruit and nut trees.

**Diseases Controlled:** Alternaria, Botrytis, Colletotrichum, Fusarium, Rhizoctonia, Sclerotinia and others.

**Packaging:** 1 lbs. container, 4 per case

**Notes:** Not registered for use on vegetables, tomatoes and fruit and nuts in California.

EPA Reg. No.	REI	Chemical Family	MOA	Active Ingredient	Rate per 100 gallons	Rate per 1 gallon	Application
66330-56-59807	4 hours	Polyoxins	19	Polyoxin D	4 to 8 ounces	1/2 tsp to 1 tsp	Drench or spray

# OHP Product Rate Guide

Fungicides		
Products	Rate per 100 gallons	Rate per 1 gallon
<b>SoilGard® 12G</b>	.5 to 2 pounds	1/2 tsp to 2 tsp (2.5 g to 10 g)
<b>Triact® 70</b>	1/2 gallon, 1 gallon, 2 gallons	3 3/4 tsp to 7 1/2 tsp to 15 tsp (5 TBS) (15.75 mL to 37.5 mL to 75 mL)
<b>Veranda™ O **</b>	4 to 8 ounces	1/2 tsp to 1 tsp (2.5 g to 5 g)

Insecticides / IGRs/ Miticides		
Products	Rate per 100 gallons	Rate per 1 gallon
<b>Azatin® XL</b>	5 to 16 fluid ounces	1/3 tsp to 1 tsp (1.6 mL to 5 mL)
<b>Floramite® SC</b>	4 to 8 fluid ounces	1/4 tsp to 1/2 tsp (1.25 mL to 2.5 mL)
<b>Kontos™</b>	1.7 to 3.4 fluid ounces (50 mL to 100 mL)	1/10 tsp to 1/5 tsp (.5 mL to 1 mL)
<b>Marathon® 1% G</b>	see label	1/8 to 1 1/2 tsp (.625 g to 7.5 g) per pot depending on size
<b>Marathon® II</b>	1.7 fluid ounces	1/10 tsp (.5 mL)
<b>Marathon® 60 WP</b>	1 WSP (20 g) treats 1000 6" pots	See label for more information
<b>Triact® 70</b>	1/2 gallon, 1 gallon, 2 gallons	3 3/4 tsp to 7 1/2 tsp to 15 tsp (5 TBS) (15.75 mL to 37.5 mL to 75 mL)

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Users should read entire label for full information and application instructions.

mL = milliliters    1 mL = 1 cc    1 fl oz = 30 mL (29.6 mL exactly)

TBS = Tablespoon    tsp = teaspoon

There are roughly 5 grams in 1 tsp.

1 US teaspoon = 4.92892161 mL

1 mL = 0.202884135 US teaspoons

Approximately 15 mL per tablespoon; 5 mL per teaspoon; 2.5 mL per half teaspoon.



