



# Landscape SOLUTIONS™

Volume II



# OHP *Landscape Solutions*™

Problems in the landscape range from turf diseases to insect and mite problems on ornamental plants around houses and buildings. Many factors are key to controlling pests in the landscape. This brochure will focus on the available products from OHP, and rotational strategies. These are all important factors for the LCO or turf manager to use in controlling those pests.

## *Insects*

### Landscape Insect and Mite Management

The main insect and mite pests of landscape plantings are aphids, caterpillars (leaf-feeding worms), thrips, leafminers and two-spotted spider mites.

OHP Landscape Product	Chemical Class	MOA Group	Target Pest	Residual Control	Application Rates	
					Per 100 gallons	Per one gallon
<b>Azatin® XL</b>	Biological IGR	Unknown	Aphids, fungus gnats, leafminers, thrips, caterpillars	5 to 7 days	16 fl oz	1 tsp
<b>Decathlon® 20 WP</b>	Pyrethroid	3	Aphids, leafhoppers, bagworms, caterpillars, cutworms, whiteflies, and other insects	3 to 5 days	1.9 oz	3 <sup>1</sup> / <sub>4</sub> tsp
<b>Floramite®</b>	Carbazate	Unknown	Spider mites	21 to 28 days	4 to 8 fl oz	1 <sup>1</sup> / <sub>4</sub> to 1 <sup>1</sup> / <sub>2</sub> tsp
<b>Sirocco®</b>	Carbazates + Glycosides	Unknown and 6	Insects and mites including thrips	14 days	3 to 6 fl oz	3 <sup>3</sup> / <sub>16</sub> tsp to 3 <sup>3</sup> / <sub>8</sub> tsp
<b>Shuttle™ O</b>	Napthoquinone derivative	20B	Spider mites	21 days	6.4 to 12.8 fl oz	1 <sup>3</sup> / <sub>4</sub> to 3 <sup>1</sup> / <sub>2</sub> tsp
<b>Triact® 70</b>	Oil	M	Aphids, thrips, caterpillars, spider mites, and more	3 to 5 days	1 gallon	7 <sup>1</sup> / <sub>2</sub> tsp

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

# Diseases

## Landscape Disease Management

The most serious disease problems are *Pythium* and *Phytophthora* root rots.

OHP Landscape Product	Chemical Class	MOA Group	Target Pest	Residual Control	Application Rates	
					Per 100 gallons	Per one gallon
<b>Aliette®</b>	Ethyl Phosphonates	33	Pythium and phytophthora root rots	14 days	1.25, 2.5 to 5 lbs	1 <sup>1</sup> / <sub>4</sub> , 2 <sup>1</sup> / <sub>2</sub> to 5 tsp
<b>OHP 6672™ 50 WP</b>	Benzimidazoles	1	Anthracnose, dollarspot, brown patch, snowmolds, summer patch, fusarium blight, stripe smut	7 days	2 to 6 oz per 1000 square feet	NA
<b>OHP 6672™ 4.5 F</b>	Benzimidazoles	1	Anthracnose, dollarspot, brown patch, snowmolds, summer patch, fusarium blight, stripe smut	7 days	2 to 5 <sup>1</sup> / <sub>3</sub> fl oz per 1000 square feet	NA
<b>Triact® 70</b>	Oil	M	Powdery mildew, leafspots and more	14 days	1/2 to 2 gals	3 <sup>3</sup> / <sub>4</sub> to 7 <sup>1</sup> / <sub>2</sub> to 15 tsp

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# Weed & Grass

## Landscape Weed and Grass Control Management

**Biathlon** is a pre-emergent granular herbicide for control of weeds in field and grounds maintenance, and other label specified non-crop areas. **Biathlon** contains the active ingredients oxyfluorfen and prodiamine formulated on the Verge™ granule. The engineered granule provides an unprecedented level of dust reduction resulting in improved worker safety and ease of application. **Biathlon** applicators are required to wear minimal Personal Protective Equipment (PPE) -- long sleeved shirt, pants and socks plus shoes. **Biathlon** has a CAUTION label. **Biathlon** provides control of a wide range of problem grass and broadleaf weeds by creating a barrier in the soil and is active for several months. **Biathlon** works by inhibiting cell division and disrupting cell wall formation in shoots and roots of emerging seedling weeds. Users should irrigate new plantings before **Biathlon** application with 1/2" water to ensure firm soil or media around the root system. After application, **Biathlon** should be applied when rain is soon forecasted or watered-in with approximately 1/2" of water. **Biathlon** should be broadcast evenly over media for maximum performance. To prevent weed escapes, do not disturb the soil or media in **Biathlon** treated areas; this will disrupt the barrier necessary for successful weed control.

**Casoron 4G** is a broad spectrum herbicide that is effective on many hard to control grasses and broadleaf weeds. **Casoron 4G** may be applied around established woody ornamentals in the landscape. It may also be applied for general weed control under asphalt used for driveways, parking lots and recreational areas.

OHP Landscape Product	Chemical Class	MOA Group	Target Pest	Residual Control	Application Rates	
					Lbs per acre	Per 1000 sq ft
<b>Biathlon®</b>	Diphenylether + Dinitroaniline	14 + 3	Grasses and broadleaf weeds	3 to 4 months	100 lbs	2 <sup>1</sup> / <sub>3</sub> lbs
<b>Casoron® 4G</b>	Benzonitrile	21	Grasses and broadleaf weeds	9 to 10 months	100 to 150 lbs	2 <sup>1</sup> / <sub>3</sub> to 3 <sup>1</sup> / <sub>4</sub> lbs

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