BIATHLON®
Ornamental Herbicide

A GRANULAR HERBICIDE FOR PREEMERGENT CONTROL OF GRASS AND BROAD-LEAF WEEDS IN FIELD AND CONTAINER ORNAMENTALS, GROUNDS MAINTENANCE, AND OTHER SPECIFIED NON CROP AREAS. ALSO FOR EVERGREENS (BROADLEAF AND NEEDLE) LIMITED TO CHRISTMAS TREE FARMS AND CONIFER FARMS.

GENERAL INFORMATION
Biathlon is a combination herbicide containing two selective active ingredients that provide a broad spectrum of weed control with very good plant tolerance on ornamentals.

Biathlon contains 2.0% oxyfluorfen and .75% prodiamine on a dust-free granule.

Common Name: Oxyfluorfen and Prodiamine
Class: Diphenylether + Dinitroanaline

GROUP 14 + 3 HERBICIDE

Packaging: 50 lbs. bags

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD
REI = 24 hours
Signal Word = CAUTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)
- Long-sleeved shirt and pants
- Socks and shoes

MODE OF ACTION
Biathlon provides weed control by combining two modes of action, inhibition of both microtubule assembly (MOA #3) and inhibition of protoporphyrinogen oxidase (MOA #14). These MOA's result in the inhibition of cell division and disrupting cell wall formation in shoots and roots of emerging seedling weeds. The result is the prevention of weed seed emergence.

USE SITES
Biathlon is registered for use in field and container ornamentals, grounds maintenance and other specified crop areas. It is also labeled for use on evergreens (broadleaf and needle) but limited to Christmas tree and conifer farms.

APPLICATION AND RATES
Biathlon is applied as a broadcast application.

Container Grown Ornamentals
Apply 100 pounds per acre. Thoroughly incorporate granules into the media through watering-in. Apply Biathlon prior to weed seed germination. Prior to Biathlon application, irrigate with approximately ½ inch of water to firm potting media around newly planted root systems. Biathlon may be re-applied in 3 months. Do not apply over 200 pounds per acre per year. For application in the fall, apply two weeks prior to placing plants in an empty, enclosed greenhouse structure.

Field Grown Ornamentals, Christmas tree and conifer farms
Apply Biathlon at 100 pounds per acre after planting or in the spring prior to weed germination or weed removal. A maximum of two applications may be made per growing season. For newly planted field crops irrigate with approximately ½ inch of water to settle the soil around root systems. Apply Biathlon prior to weed seed germination and/or after a complete removal of weeds.

Note: Do not apply to bedding plants, liner production beds, flowers, ground covers, vegetables or turf. Do not apply to wet foliage.

INDIVIDUAL CONTAINER APPLICATIONS
For situations where broadcast application of the product is not appropriate, apply the product uniformly over the entire container surface at the rates in the following table (1 gm Biathlon/sq. ft.):

<table>
<thead>
<tr>
<th>Container Size</th>
<th>Surface Area (Sq. Ft.)</th>
<th>Grams of Biathlon/Container</th>
<th>Volume of Biathlon/Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 gal. (6” diam.)</td>
<td>0.20</td>
<td>0.20</td>
<td>1/8 tsp.</td>
</tr>
<tr>
<td>2 gal. (9” diam.)</td>
<td>0.44</td>
<td>0.44</td>
<td>1/4 tsp.</td>
</tr>
<tr>
<td>3 gal. (10” diam.)</td>
<td>0.55</td>
<td>0.55</td>
<td>1/4 tsp. (rounded)</td>
</tr>
<tr>
<td>5 gal. (12” diam.)</td>
<td>0.79</td>
<td>0.79</td>
<td>1/4 tsp. (heaping)</td>
</tr>
<tr>
<td>15 gal. (17” diam.)</td>
<td>1.60</td>
<td>1.60</td>
<td>1/2 tsp.</td>
</tr>
</tbody>
</table>
**KEY WEEDS CONTROLLED**

**GRASSY WEEDS**
- Annual bluegrass
- Barnyardgrass
- Crabgrass
- Fall Panicum
- Foxtail, Green

**BROADLEAF WEEDS**
- Bittercress
- Common Chickweed
- Cudweed
- Dandelion
- Eclipta
- Fleabane
- Fireweed
- Groundsel
- Marestail

**PO Box 230, Mainland, PA 19451**
**Technical Service: 800-356-4647**
**www.ohp.com**

Use of Biathlon according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the bag of Biathlon. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Always read product label prior to product use.

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**TREATMENT OF ORNAMENTAL SPECIES NOT LISTED ON THE LABEL FOR BIATHLON**

The species listed in the table aside have been tested under actual growing conditions and found tolerant at the recommended application rate. Users who wish to use Biathlon on ornamental plant species not listed on the label may determine the suitability for use by treating a small number of such plants at the recommended rate. The user assumes responsibility for any plant damage or other liability resulting from use of Biathlon on plant species not recommended on the label.

**INJURY ON THE FOLLOWING PLANT SPECIES HAS BEEN OBSERVED FOLLOWING APPLICATIONS OF BIATHLON AND USE IS NOT RECOMMENDED.**

- Ageratum ‘Hawaii Blue’
- Cimicifuga racemosa ‘Duchess of Edinburgh’
- Dianthus spp.
- Echinochloa crus-galli ‘Pink Carnival’
- Euonymus alata ‘Compacta’
- Hydrangea spp.
- Petunia spp
- Clematis
- ‘Duchess of Edinburgh’
- Salvia spp.
- Echinacea spp.
- Scabiosa spp.
- Erica mediterranea
- Sarcococca hookerana
- ‘Pink Carnival’

**LIST OF CROPS TOLERANT TO BIATHLON**

- Abelia
- Anise
- Arborvitae
- Aureo-marginata Spindle Tree
- Azalea
- Barberry
- Boxwood
- Butterfly Bush
- Canada Red Chokecherry
- Chinese Fringe-Flower
- Cinquefoil
- Clethra
- Coreopsis
- Cotoneaster
- Crape Myrtle
- Cryptomeria-Japanese-Cedar
- Deutzia
- Eastern redbud
- Escallonia
- Euonymus
- Fire bush
- Gardenia
- Heavenly Bamboo
- Hibiscus
- Holly
- Jacaranda
- Juniper

**For specific plant names see the container label.**

**CALIBRATION PAN DIRECTIONS FOR CALIBRATING APPLICATIONS**

1. Place the pan on a level surface in an area similar to where you will be applying Biathlon.
2. Fill your applicator with Biathlon.
3. Moving at a consistent pace (same pace as desired during actual application), open the applicator gate and apply the Biathlon as you pass over the calibration pan. Once past the calibration pan, shut off the applicator.
4. Tip the calibration pan toward your desired rate (such as 100 lb /A) so that the granules collect in that dimple.
5. If the granules are level with the top of the dimple you are calibrated. If overflowing decrease the spreader opening. If not full, increase your spreader opening.

**Note:** Calibration should be done for every operator if using hand held equipment.

It is also helpful to repeat this procedure a few times for accurate calibration.