

2021-6620  
2024-07-05

Container Label

GROUP

BM 01

FUNGICIDE

# EcoSwing

BOTANICAL FUNGICIDE

**FOR USE ON LISTED FIELD AND GREENHOUSE FOOD CROPS AND GREENHOUSE  
ORNAMENTAL CROPS**

**COMMERCIAL**

**Solution**

READ THE LABEL AND BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

**ACTIVE INGREDIENT**

Extract of *Swinglea glutinosa*

82.0%

**REGISTRATION NO: 35206 PEST CONTROL PRODUCTS ACT**

CAUTION - EYE IRRITANT

Contains Sodium Benzoate 0.25% as a preservative.

NET CONTENTS \_1 L - Bulk\_\_

Gowan Company, L.L.C.

P.O. Box 5569

Yuma, AZ 85364-5569

1-800-960-4318

<sup>TM</sup>Trademark of Gowan Company, L.L.C.

## **General Information**

### **PRECAUTIONS**

#### **KEEP OUT OF REACH OF CHILDREN**

May irritate eyes. Avoid contact with eyes. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove and wash contaminated clothing before reuse.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab. In addition, wear protective eyewear (goggles or face shield) during open cab airblast application.

DO NOT enter or allow worker entry into treated areas for 4 hours or until sprays have dried. If early entry is required prior to sprays drying, workers must wear a long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area where applications are occurring.

**DO NOT** apply by air.

### **USER SAFETY RECOMMENDATIONS**

Users should

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **FIRST AID**

#### **If swallowed**

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

#### **If on skin or clothing**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**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 centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE  
1-888-478-0798

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS**

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

**STORAGE**

Store this product away from food or feed. Store product in original container only, away from other pesticides and fertilizers.

**DISPOSAL****Recyclable Containers:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

**Returnable Containers:**

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

**Refillable Containers:**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

**Disposal of Unused/Unwanted Product:**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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**GENERAL INFORMATION**

EcoSwing is a biofungicide for use on listed field and greenhouse food crops and greenhouse ornamental crops to control, suppress or partially suppress certain fungal diseases. Optimum disease control is achieved when the biofungicide is applied in a regularly scheduled preventative spray program.

The use of EcoSwing is compatible with the principles of Integrated Pest Management (IPM) and programs that attempt to minimize disease resistance to fungicides. Unlike single-site mode of action fungicides which may be at higher risk from disease resistance, EcoSwing has a multi-site mode of action, and may be used to delay or prevent the development of resistance to single-site fungicides.

**DIRECTIONS FOR USE**

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

**General Use Information**

Read all Directions for Use carefully before applying.

**Do not** apply this product in a way that will contact workers or other persons, or pets either directly or through drift. Only protected handlers may be in the area during application.

**General Use Precautions**

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

**Do not** enter or allow people (or pets) to enter the treated area until sprays have dried.



## **MIXING AND APPLICATION**

### **Mixing Instructions**

#### **Mixing:**

- Shake well before using. Add required amount of EcoSwing to a clean spray tank with at least one-half of the water to be sprayed. Agitate the mixture thoroughly, add other products and then fill the tank with the remaining water and continue agitation.
- Always use this product promptly after mixing with water and do not let tank mix sit for more than 6 hours.
- Use water for dilution with a pH less than 8.
- EcoSwing has been found to be compatible with most commonly used pesticides. To avoid problems, conduct a compatibility test before using this product in a tank mix with other pesticides. To test for compatibility, mix a small amount of each product, in the appropriate proportions, in a small jar.

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions for Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are following for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Gowan Company L.L.C. at 1-800-960-4318 for information before applying any tank mix that is not specifically recommended on this label.

### **Application Instructions**

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

#### **GROUND APPLICATIONS:**

- Apply with most types of ground spray equipment.
- Thorough coverage is essential to achieving adequate disease management. For best results, coverage typically requires a minimum of 100 L of total spray volume per hectare. Higher volumes will be required for larger perennial crops.
- For best preventative results, this product must be applied every 7-14 days on a regular and continuous basis before the level of infestation becomes heavy.
- Within the stated ranges, use higher rates and increase spray frequency, when pest pressure is heavy or plant canopy is dense. For field uses, repeat application if measurable rain occurs within two to three hours of spraying.

**DO NOT** apply by air.

**PREHARVEST INTERVAL:** EcoSwing has a zero day preharvest interval and can be applied up to and including the day of harvest.

## USE DIRECTIONS

### Agriculture

<b>Crop Group 13-07: Berries and Small Fruits</b> Blackberry; blueberry, highbush; currant; gooseberry; huckleberry; loganberry; cranberry; elderberry; grape; kiwifruit, fuzzy; mulberry; raspberry (black and red); strawberry; and cultivars, varieties, and/or hybrids of these				
<b>Crop</b>	<b>Disease</b>	<b>Concentration (mL product/ L water)</b>	<b>Rate (L product/ha)</b>	<b>Application Directions</b>
High bush blueberry, field-grown	Mummy Berry ( <i>Monilinia vaccini-corymbos</i> )	Not applicable	1.75 – 2.35	<ul style="list-style-type: none"> <li>• This product must be applied preventatively, with a re-application interval of 7-14 days, on a regular and continuous basis before the level of infestation becomes heavy.</li> <li>• For greenhouse crops, spray within the stated concentration range until full coverage.</li> <li>• Within the stated ranges, use higher rates and increase spray frequency when pest pressure is heavy or plant canopy is dense.</li> <li>• For field uses, repeat application if measurable rain occurs within two to three hours of spraying.</li> <li>• A maximum of ten (10) applications per year on field-grown crops.</li> <li>• A maximum of ten (10) applications per crop cycle on greenhouse crops.</li> </ul>
Crop Group 13-07: Berries and Small Fruits, field-grown	Grey mould/Bunch Rot ( <i>Botrytis cinerea</i> ) (partial suppression)	Not applicable	1.75 – 2.35	
Crop Group 13-07: Berries and Small Fruits, greenhouse	Grey mould/Bunch Rot ( <i>Botrytis cinerea</i> ) (partial suppression)	1.88 – 2.5	Not applicable	

**Pome Fruit :**

Apple, Crabapple, Loquat, Mayhaw, Quince

<b>Crop</b>	<b>Disease</b>	<b>Rate (L product/ha)</b>	<b>Application Directions</b>
Apple, Crabapple, Loquat, Mayhaw, Quince, field- grown	Apple Scab ( <i>Venturia inaequalis</i> ) (suppression)	1.75 – 2.35	<ul style="list-style-type: none"><li>• This product must be applied preventatively, with a re-application interval of 7-14 days, on a regular and continuous basis before the level of infestation becomes heavy.</li><li>• Within the stated ranges, use higher rates and increase spray frequency when pest pressure is heavy or plant canopy is dense.</li><li>• For field uses, repeat application if measurable rain occurs within two to three hours of spraying</li><li>• A maximum of ten (10) applications per year</li></ul>

**Crop Group 9: Cucurbit Vegetables**

Chayote, Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (edible), Muskmelon, Pumpkin, Squash (summer and winter), Watermelon

<b>Disease</b>	<b>Concentration (mL product/L water)</b>	<b>Rate (L product/ha)</b>	<b>Application Directions</b>
Grey mould ( <i>Botrytis cinerea</i> ), field-grown (partial suppression)	Not applicable	1.75 – 2.35	<ul style="list-style-type: none"><li>• This product must be applied preventatively, with a re-application interval of 7-14 days, on a regular and continuous basis before the level of infestation becomes heavy.</li><li>• For greenhouse crops, spray within the stated concentration range until full coverage.</li><li>• Within the stated ranges, use higher rates and increase spray frequency when pest pressure is heavy or plant canopy is dense.</li><li>• For field uses, repeat application if measurable rain occurs within two to three hours of spraying.</li><li>• Thorough coverage of upper and lower leaf surfaces will optimize disease management.</li><li>• A maximum of ten (10) applications per year on field-grown crops.</li><li>• A maximum of ten (10) applications per crop cycle.</li></ul>
Grey mould ( <i>Botrytis cinerea</i> ), greenhouse (partial suppression) Powdery mildew ( <i>Golovinomyces orontii</i> ), greenhouse	1.88 – 2.5	Not applicable	

**Crop Group 12-09: Stone Fruits**

Apricot, Cherry (sweet and tart), Nectarine, Peach, Plum (Chickasaw, Damson, Japanese), Plumcot, Prune

<b>Disease</b>	<b>Concentration (mL product/L water)</b>	<b>Rate (L product/ha)</b>	<b>Application Directions</b>
Brown Rot / Blossom Blight ( <i>Monilinia fructicola</i> , <i>Monilinia laxa</i> ), field-grown (suppression)  Grey mould/Bunch rot ( <i>Botrytis cinerea</i> ), field grown (partial suppression)	Not applicable	1.75 – 2.35	<ul style="list-style-type: none"> <li>• This product must be applied preventatively, with a re-application interval of 7-14 days, on a regular and continuous basis before the level of infestation becomes heavy.</li> <li>• For greenhouse crops, spray within the stated concentration range until full coverage</li> <li>• Within the stated ranges, use higher rates and increase spray frequency when pest pressure is heavy or plant canopy is dense.</li> <li>• For field uses, repeat application if measurable rain occurs within two to three hours of spraying.</li> <li>• A maximum of ten (10) applications per year on field-grown crops.</li> <li>• A maximum of ten (10) applications per crop cycle on greenhouse crops.</li> </ul>
Grey mould/Bunch rot ( <i>Botrytis cinerea</i> ), greenhouse (partial suppression)	1.88 – 2.5	Not applicable	

**Ornamental (greenhouse)**

<b>Ornamental Plants, Shrubs, and Trees (greenhouse)</b> Such as: Amaranthus, Ash, Aster, Azalea, Birch, Caladium, Carnation, Cedar, Chrysanthemum, Cyprus, Dahlia, Daisy, Dogwood, Elm, Ferns, Ficus, Fuschia, Gardenia, Impatiens, Iris, Ivy, Jasmine, Juniper, Lilac, Lilies, Maple, Marigold, Oak, Philodendron, Pine, Poinsettia, Rose, Spruce, Zinnia		
<b>Disease</b>	<b>Concentration (mL product/L water)</b>	<b>Application Directions</b>
Grey mould ( <i>Botrytis cinerea</i> ) - greenhouse (partial suppression)	1.88 – 2.5	<ul style="list-style-type: none"><li>• This product must be applied preventatively, with a re-application interval of 7-14 days, on a regular and continuous basis before the level of infestation becomes heavy.</li><li>• Spray within the stated concentration range until full coverage.</li><li>• Within the stated ranges, use higher rates and increase spray frequency when pest pressure is heavy or plant canopy is dense.</li><li>• Ensure thorough coverage.</li><li>• A maximum of ten (10) applications per crop cycle.</li></ul>

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EcoSwing® is a registered trademark used under license by Gowan Company, L.L.C.