Botector®
A BIOLOGICAL AGENT FOR THE PROTECTION OF POME FRUIT FROM STORAGE DISEASES, GRAPE AND TOMATOES FROM BOTRYTIS, BERRIES FROM ANTHRACNOSE, BOTRYTIS, PHOMOPSIS AND RHIZOPUS FRUIT ROT, AND STONE FRUIT FROM MONILINIA

For Organic Production

Active Ingredients:
Aureobasidium pullulans strain DSM 14940* ...................40%  
Aureobasidium pullulans strain DSM 14941* ...................40%  
Other Ingredients: ............................................................20%  
Total .............................................................................100%

*Contains a minimum of $1.06 \times 10^9$ cfu/gram of active ingredient.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See back panel for First Aid and additional Precautionary Statements

EPA Reg. No. 86174-3  
EPA Est. No. 86174-AUT-001  
Net Contents: 20 oz (0.57 kg)

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.)
**FIRST AID**

| If swallowed: | • Call a poison control center 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 center or doctor.  
|             | • Do not give anything by mouth to an unconscious person. |

| If on skin: | • Take off contaminated clothing.  
|            | • Rinse skin immediately with plenty of water for 15-20 minutes.  
|            | • Call a poison control center or doctor for treatment advice. |

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, 7 days a week.

**PRECAUTIONARY STATEMENTS**

**Hazard To Humans And Domestic Animals**

**CAUTION.** Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear waterproof gloves. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturers’ 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.

**ENGINEERING CONTROLS**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:**

When reduced PPE is worn because a closed system is being used, handlers must provide all PPE specified above for “applicators and other handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

**USER SAFETY RECOMMENDATIONS**

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**HOT LINE NUMBER**

Users should remove contaminated clothing. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**IMPORTANT:**

Read the entire label before using this product.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: 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 cleaning equipment or disposing of equipment washwater or rinsate.

**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.
Wind Speed Restrictions: Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Avoiding applications when wind direction is toward the aquatic area can reduce risk of exposure to sensitive aquatic areas.

Runoff Management: Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils, consult your local Soil Conservation Service before using this product in your area. Do not apply if soil is saturated with water. Do not apply under conditions that favor runoff from drift.

General Information: Botector consists of two strains of *Aureobasidium pullulans*. *Aureobasidium pullulans* is a ubiquitous microorganism in the environment. Botector must be used as a preventative measure before infection by the pathogens. The product competes for space and nutrients with the pathogens. Using competitive inhibition, Botector is effective against fruit rot on pome fruits due to Penicillium, Botrytis, Monilinia, Nectria and Pezicula. Botector is effective against *Botrytis cinerea* on berries, grapes and tomatoes, as well as, Anthracnose, Phomopsis and Rhizopus fruit rot in berries. Botector also controls Monilinia ssp. in stone fruit.

Botector can be applied up to the day of harvest.

Do not apply this product through any type of irrigation system.

Do not apply this product.
Preparation of Botector Mixture:
Ensure the temperature of the tank mixture is below 86°F (30°C). Agitate mixture before and during application. Use the spray mixture within 8 hours after tank-mixing.

Compatibility:
Not all chemicals or fertilizers can be mixed with Botector during application. Many fungicides are not compatible and may be detrimental to Botector. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. For product compatibility information, contact Westbridge Agricultural Products.

PRE-HARVEST APPLICATION
Apply specified rate of Botector, as a directed spray to the target crop. Ensure thorough coverage wherever infection is likely to occur. For tomatoes, ensure full plant spray coverage.

Application Rate:
Use sufficient water for adequate and even coverage without runoff:

<table>
<thead>
<tr>
<th>Crop</th>
<th>Water Volume (gallons/acre)</th>
<th>Amount of Botector (ounces/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BERRIES</td>
<td>100-500</td>
<td>5-10</td>
</tr>
<tr>
<td>ALMOND**</td>
<td>&lt;50</td>
<td>6</td>
</tr>
<tr>
<td>GRAPE</td>
<td>51 to 100</td>
<td>8</td>
</tr>
<tr>
<td>POME FRUIT**</td>
<td>101 to 200</td>
<td>10</td>
</tr>
<tr>
<td>STONE FRUIT**</td>
<td>201 to 300</td>
<td>12</td>
</tr>
<tr>
<td>TOMATO**</td>
<td>&gt;300</td>
<td>14</td>
</tr>
<tr>
<td>TOMATO**</td>
<td>20 to 400</td>
<td>7-14</td>
</tr>
</tbody>
</table>

**Use not permitted in California unless otherwise directed by supplemental labeling.
### Application Instructions:

<table>
<thead>
<tr>
<th>Crop</th>
<th>Time of application</th>
<th>Number of applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>BERRIES</td>
<td>From beginning of bloom until harvest</td>
<td>With intervals of 5-7 days depending on infection pressure</td>
</tr>
<tr>
<td>GRAPE*</td>
<td>Between early and late bloom (10-80%)</td>
<td>1-3 applications depending on infection pressure</td>
</tr>
<tr>
<td></td>
<td>Before bunch closure</td>
<td>1 application</td>
</tr>
<tr>
<td></td>
<td>During veraison/ berry softening</td>
<td>1 application</td>
</tr>
<tr>
<td></td>
<td>During ripening</td>
<td>Additional applications with intervals of 3-7 days depending on infection pressure</td>
</tr>
<tr>
<td>POME FRUIT**</td>
<td>Starting 5 weeks before harvest</td>
<td>Up to 6 applications, with intervals of 5-7 days depending on infection pressure</td>
</tr>
<tr>
<td>STONE FRUIT**</td>
<td>at 10, 40, 70 and 90% open flowers</td>
<td>4 applications</td>
</tr>
<tr>
<td>ALMOND**</td>
<td>Starting 5 weeks before harvest</td>
<td>Up to 6 applications with intervals of 5-7 days depending on infection pressure</td>
</tr>
<tr>
<td>TOMATO**</td>
<td>Starting at emergence of transplant until harvest</td>
<td>Apply every 5 to 10 days depending on growth rate and infection pressure</td>
</tr>
</tbody>
</table>

* Treat bunch zone only  
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### STORAGE AND DISPOSAL:

- Do not contaminate water, food or feed by storage or disposal.
- **PESTICIDE STORAGE:** Botector must be stored out of direct sunlight in a cool dry place. Do not freeze. From date of manufacture, product can be stored: 10 months at room temperature (47°F to 68°F; 9°C to 20°C) or 24 months at cold temperature (34°F to 46°F; 1°C to 8°C). Store only in original container in an area designated for pesticide storage. Keep out of reach of children.
- **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- **CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### Conditions of Sale:

Seller warrants that this product consists of the ingredient specified and is reasonably fit for the purposes stated on this label when used in accordance with the directions under normal conditions of use. No one is authorized to make any other warranty or guaranty concerning this product. To the extent consistent with applicable law, any liability arising from the handling, storage and use of this product is limited to replacement of product or refund of purchase price.

### Manufactured by:

bio-ferm GmbH  
Technologiezentrum Tulln, Technopark 1  
3430 Tulln, Austria

### For Product Information, contact:

Westbridge Agricultural Products  
1260 Avenida Chelsea, Vista, CA 92081 USA  
Phone: (800) 876-2767