AS-50®

Agricultural Streptomycin

For control of halo blight of beans
Seed treatment (only in commercial seed treatment plants) and control of fire blight of apples and pears

ACTIVE INGREDIENT:
Streptomycin Sulfate (Equivalent to 50% streptomycin base)............................... 65.8%

OTHER INGREDIENTS:........................................................................ 34.2%

TOTAL: .......................................................................................... 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUCIÓN
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.)
SEE ADDITIONAL PRECAUTIONARY STATEMENTS AT END OF LABEL.

EPA REG. NO. 55146-98

Manufactured for Nufarm Americas Inc.
AGT Division
150 Harvester Drive
Burr Ridge, IL 60527

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC
(800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840
PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION / PRECAUCIÓN

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear:
• Long-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks
• Protective eyewear
• Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P, or HE filter.

Follow manufacturer’s 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.

USER SAFETY RECOMMENDATIONS
Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• 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.

ENVIRONMENTAL HAZARDS
This product may be hazardous to aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment wash waters 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 through any type of irrigation system. 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 agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:
• Coveralls
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks
• Protective eyewear
### CROP USE DIRECTIONS

**Control of Fire Blight of Apples and Pears – Directions for Use**

<table>
<thead>
<tr>
<th>Crop</th>
<th>Recommended Concentration</th>
<th>First Spray</th>
<th>Follow-Up Spray Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pears (West Coast Area)</td>
<td>9.6 oz. AS-50 per acre (equivalent to 60 ppm at 600 gals. per acre).</td>
<td>10% bloom</td>
<td>Repeat at 5 day intervals until all late bloom is over. (This could mean 12-15 applications.) Continue to spray at 5 to 7 day intervals to control shoot and fruit infections. Do not apply within 30 days of harvest.</td>
</tr>
<tr>
<td>Apples (West Coast Area)</td>
<td>9.6 oz. AS-50 per acre (equivalent to 60 ppm at 600 gals. per acre).</td>
<td>Full bloom</td>
<td>Apply at petal fall and late secondary bloom. Continue to spray at 5 to 7 day intervals to maintain disease control but not later than 50 days before harvest.</td>
</tr>
<tr>
<td>Apples (Other Areas)</td>
<td>8-16 oz. AS-50 per acre (equivalent to 50-100 ppm at 600 gals. per acre).</td>
<td>Spray trees at 20-30% bloom.</td>
<td>Spray trees every 3-4 days during blossom time. Apply sprays after petal fall every 10-14 days to control twig blight. (This could mean an additional 6-8 applications after blossom sprays.) Do not apply within 30 days of harvest.</td>
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<td>8-16 oz. AS-50 per acre (equivalent to 50-100 ppm at 600 gals. per acre).</td>
<td>Spray trees at 20-30% bloom</td>
<td>Spray trees every 3-4 days during blossom time. Apply sprays after petal fall every 10-14 days to control twig blight. Do not make more than 8 additional after blossom spray applications. Do not apply within 30 days of harvest.</td>
</tr>
</tbody>
</table>

**Mixing Instructions For Apple and Pear**

<table>
<thead>
<tr>
<th>Concentration Desired</th>
<th>Quantity AS-50 in Ounces per Volume of Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 ppm</td>
<td>2/3, 1-1/3, 6-2/3, 8 (1/2 lb.)</td>
</tr>
<tr>
<td>60 ppm</td>
<td>0.8, 1.6, 8 (1/2 lb.)</td>
</tr>
<tr>
<td>100 ppm</td>
<td>1-1/3, 2-2/3, 13-1/3, 16 (1 lb.)</td>
</tr>
</tbody>
</table>

Information regarding use of AS-50 may be obtained from your local Agricultural Extension Agent or State Experiment Station.

**Seed Treatment – Control of Halo Blight of Beans**

The purchaser of this product is responsible for ensuring that all treated seed are adequately dyed with suitable color to prevent its accidental use as food for man or feed for animals. Refer to 40 CFR 153.155, use of an approved dye or colorant

Federal law requires that bags containing treated seed shall be labeled with the following information: “This seed has been treated with streptomycin sulfate.” Do not use for feed, food, or oil purposes. Store away from feed and foodstuffs. Wear long pants, long-sleeved shirt, and protective gloves when handling treated seed. Treated seeds exposed to soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seeds by burying seed away from bodies of water. Do not contaminate bodies of water when disposing of planting equipment wash water. Dispose of seed packaging or containers in accordance with local requirements.

<table>
<thead>
<tr>
<th>Crop/Disease</th>
<th>Concentration</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beans - Seed Protection</td>
<td>0.18-0.91 oz./cwt of seed</td>
<td>Use higher rate of product when halo blight pressure is severe. This product dissolves in water and is compatible with Nufarm fungicides and insecticides (e.g., Sebring and Senator). Slurry rates will vary with components and treating equipment. Apply this product using commercial mist, spray or other application equipment.</td>
</tr>
</tbody>
</table>

For Control of Surface Infection
Mixing Instructions For Seed Treatment

<table>
<thead>
<tr>
<th>Concentration Desired</th>
<th>1 pt.</th>
<th>1 qt.</th>
<th>1 gal.</th>
<th>5 gals.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1%</td>
<td>0.3 oz (9.5 g)</td>
<td>0.6 oz (19.0 g)</td>
<td>2-2/3 oz</td>
<td>13-1/3 oz</td>
</tr>
<tr>
<td>2%</td>
<td>0.6 oz (19.0 g)</td>
<td>1-1/3 oz (38.0 g)</td>
<td>5-1/3 oz</td>
<td>26-2/3 oz</td>
</tr>
<tr>
<td>5%</td>
<td>1.5 oz (47.5 g)</td>
<td>3.0 oz (90.0 g)</td>
<td>13-1/3 oz</td>
<td>66-2/3 oz</td>
</tr>
</tbody>
</table>

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage** – Keep tightly closed. Store at a cool temperature when possible, and with minimum exposure to atmosphere.

**Pesticide Disposal** – Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

**Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration. Do not burn unless permitted by state and local ordinance if burned stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED “AS IS” BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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