

100-901

07/15/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUL 15 2003

Larry Zang
Senior Regulatory Product Manager
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

Subject: AS-50® Agricultural Streptomycin
EPA Reg. No. 100-901
Amendment dated May 12, 2003

Dear Mr Zang:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

- In the first line, change the word "Harmul" to "Harmful"
- In the first line, change the word "adsorbed" to "absorbed"

PERSONAL PROTECTIVE EQUIPMENT: Change "Waterproof gloves" to "Chemical resistant gloves made of any waterproof material."

AGRICULTURAL USE REQUIREMENTS: Change "Waterproof gloves" to "Chemical resistant gloves made of any waterproof material."

One copy of the label stamped "Accepted with comments" is enclosed for your records.

Please submit one (1) copy of the final printed label before you release the product for shipment.

AS-50® Agricultural Streptomycin
Page 2 of 2

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,



Mary Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosure

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

See additional precautionary statements at end of label.

EPA Reg. No. 100-901

EPA Est. 67545-AZ-1

Product ID. 10040

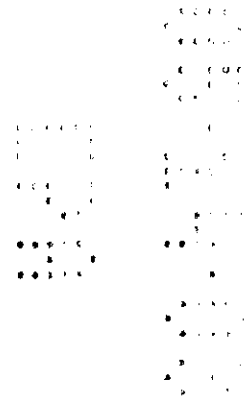
SCP 901A-L1E-0204

25 pounds
Net Weight

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL 15 2003**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.**

100-901



FIRST AID	
<u>If on skin or clothing</u>	<ul style="list-style-type: none"> • <u>Take off contaminated clothing.</u> • <u>Rinse skin immediately with plenty of water for 15-20 minutes.</u> • <u>Call a poison control center or doctor for treatment advice.</u>
<u>If in eyes</u>	<ul style="list-style-type: none"> • <u>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</u> • <u>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</u> • <u>Call a poison control center or doctor for treatment advice.</u>
<u>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</u>	
<u>HOT LINE NUMBER</u> <u>For 24 Hour Medical Emergency Assistance (Human or Animal) or</u> <u>Chemical Emergency Assistance (Spill, Leak, Fire, or Accident),</u> <u>Call</u> <u>1-800-888-8372</u>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if adsorbed 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.

~~May cause allergic reactions. Avoid contact with skin and eyes. Do not breathe dust or spray mist.~~

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- 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, 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.

Environmental Hazards – 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 water.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

STORAGE AND DISPOSAL

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

Pesticide Storage – Keep tightly closed. Storage should be at a cool temperature when possible, and with minimum exposure to the 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 – Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

Paper and Plastic Bags Disposal

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CROP USE DIRECTIONS

Control of Fire Blight of Apples and Pears - Directions for Use

Crop	Recommended Concentration	First Spray	Follow-Up Spray Schedule
Pears (West Coast Area)	9.6 oz. AS-50 per acre (equivalent to 60 ppm at 600 gals. per acre).	10% bloom	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.
Apples (West Coast Area)	9.6 oz. AS-50 per acre (equivalent to 60 ppm at 600 gals. per acre).	Full bloom	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.
Apples (Other Areas)	8-16 oz. AS-50 per acre (equivalent to 50-100 ppm at 600 gals. per acre).	Spray trees at 20-30% bloom.	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.
Pears (Other Areas)	8-16 oz. AS-50 per acre (equivalent to 50-100 ppm at 600 gals. per acre).	Spray trees at 20-30% bloom.	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.

Mixing Instructions

Concentration Desired	Quantity AS-50 in Ounces per Volume of Water			
	50 gals.	100 gals.	500 gals.	600 gals.
50 ppm	2/3	1 1/3	6 2/3	8 (1/2 lb.)
60 ppm	0.8	1.6	8 (1/2 lb.)	9.6
100 ppm	1 1/3	2 2/3	13 1/3	16 (1 lb.)

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

Seed Protection (For Control of Surface Infection)	1-5%	Slurry Treatment Accurately weigh AS-50 and add to desired amount of water. Rates of powder to water are shown in mixing table.
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Mixing Instructions

Concentration Desired	Quantity AS-50 per Volume of Water			
	1 pt.	1 qt.	1 gal.	5 gals.
1%	0.3 oz. (9.5 g)	0.6 oz. (19.0 g)	2 2/3 oz.	13 1/3 oz.
2%	0.6 oz. (19.0 g)	1 1/3 oz. (38.0 g)	5 1/3 oz.	26 2/3 oz.
5%	1.5 oz. (47.5 g)	3.0 oz. (90.0 g)	13 1/3 oz.	66 2/3 oz.

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. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed.

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SCP 901A-L1E-0201

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