

55146-98

06-11-2010

1/9



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Jessica Twiss  
Nufarm Americas Inc.  
150 Harvester Drive  
Suite 200  
Burr Ridge, IL 60527

JUN 11 2010

Subject: AS-50 Agricultural Streptomycin  
EPA Reg. No. 55146-98  
Label amendment dated 2/24/10  
EPA Decision No. 429907

Dear Ms. Twiss,

The amended label 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.

1. On page 8, revise the table title for "Mixing Instructions" by adding "for seed treatment".

One copy of the label stamped "Accepted with Comments" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, please contact Shaunta Hill by phone at (703) 347-8961 or via email at [hill.shaunta@epa.gov](mailto:hill.shaunta@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mary S. Waller".

Mary Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7504P)

Enclosure  
Label stamped "Accepted with Comments"

2/8

# 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

EPA Reg. No. 55146-98

EPA Est. \_\_\_\_\_

Net Weight: 25 pounds

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JUN 11 2010  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
55146-98**

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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 1-877-325-1840 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals.**

**CAUTION**

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.

**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 must 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 NUFARM AMERICAS, INC. AGT DIVISION or Seller. To the extent consistent with applicable law all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold NUFARM and Seller harmless for any claims relating to such factors.

NUFARM 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 NUFARM, and Buyer and User assume the risk of any such use. **NUFARM MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NUFARM OR SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NUFARM 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 NUFARM OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

NUFARM 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 NUFARM.

(RV041210)

## 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

**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 Handling** – Refillable drum with a nonrefillable liner. Refill this container with pesticide only. Do not use this container for any other purpose. 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 by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of in the same manner required for its liner. To recycle, contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

**Paper and Plastic Bags** - Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling if available, or 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	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. Do not make more than 15 additional applications. Continue to spray at 5 to 7-day intervals to control shoot and fruit infections. Do not apply within 30 days of harvest.

Crop	Concentration	First Spray	Follow-Up Spray Schedule
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. Do not make more than 8 additional after blossom spray applications. 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. Do not make more than 8 additional after blossom spray applications. Do not apply within 30 days of harvest.

**Mixing Instructions For Apple and Pear**

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.

818

### 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.

Crop/Disease	Concentration	Use Directions
Beans - Seed Protection (For Control of Surface Infection)	0.18-0.91 oz./cwt of seed	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.

For use by commercial treaters only. Not for on farm use or at planting time. Do not use treated seed for food or feed purposes.

#### 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.

AS-50™ is a trademark of a Nufarm Americas, Inc. AGT Division

Nufarm Americas, Inc. AGT Division  
150 Harvester Drive, Suite 200, Burr Ridge, IL 60527



6/9

-8-

C

C