

# AS-50<sup>®</sup>

## Agricultural Streptomycin

FOR CONTROL OF HALO BLIGHT OF BEANS  
SEED TREATMENT  
(only in commercial seed treatment plants)

**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.)

For Chemical Spill, Leak, Fire,  
or Exposure, Call CHEMTREC  
(800) 424-9300

For Medical Emergencies Only,  
Call (877) 325-1840

EPA Reg. No. 55146-98

MANUFACTURED FOR  
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**Nufarm**

Grow a better tomorrow.

## FIRST AID

### IF ON SKIN OR CLOTHING

- 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.

### 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 center or doctor for treatment advice.

## HOTLINE 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 / 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.

### 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
- A NIOSH approved particulate respirator with an N, R, or P filter, NIOSH approval number prefix TC-84A.

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.

This material is not to be used for medical, veterinary, or human purposes.

### RESISTANCE MANAGEMENT

This product contains a Group 25 fungicide/bactericide and is effective against pathogens which are resistant to fungicides/bactericides with modes of action different from those of fungicide Group 25. Pathogen biotypes resistant to streptomycin may eventually dominate the fungal/bacterial population if Group 25 fungicides/bactericides are used repeatedly in the same site or in successive years as the primary method of control for targeted pathogen species. Selection for resistance may be particularly rapid if resistance to Group 25 fungicides/bactericides is already present in the pathogen population. Making more than two consecutive applications of this product may be conducive to the selection of resistant strains.

## CROP USE DIRECTIONS

### SEED TREATMENT - CONTROL OF HALO BLIGHT OF BEANS

The U.S. Environmental Protection Agency requires the following statements on containers containing streptomycin sulfate treated seed: "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, shoes, socks, chemical resistant gloves made of any waterproof material, and a NIOSH approved respirator with an approval prefix TC-84A 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."

**USE RESTRICTIONS:** When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored with an EPA approved dye such as one of the dyes listed in 40 CFR Sections 180.910 and 180.920 to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

Crop/Disease	Concentration	Use Directions
Beans - Seed Protection (For Control of Surface Infection)	0.18-0.91 oz./cwt of seed	Use the higher specified 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 FOR SEED TREATMENT

Concentration Desired**	Quantity of 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.	1.7 lb
5%	1.5 oz. (47.5 g)	3.0 oz. (90.0 g)	13 1/3 oz.	4.2 lb

\*\*Concentration of streptomycin base in prepared solution

## 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

**Drum with Liner:** Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling, if available, or dispose of in a sanitary landfill or by incineration, or 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 it in the manner required for its liner.

## 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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