



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
262311

Application for Pesticide - Section I

1. Company/Product Number 100-902-901 types B ₂		2. EPA Product Manager Ms. Cynthia Giles-Parker		3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company/Product (Name) AS 50		PM# 22 21-B ₂			
5. Name and Address of Applicant (Include ZIP Code) Novartis Crop Protection, Inc. Box 18300 Greensboro, NC 27419-8300 <input type="checkbox"/> Check if this is a new address			6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____		

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Revise Confidential Statement of Formula and Label to be in compliance with PR Notice 91-2

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Unit Packaging wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Richard Pence	Title Senior Regulatory Manager	Telephone No. (Include Area Code) 310-632-2461
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Richard Pence</i>		
3. Title Senior Regulatory Manager		
4. Typed Name Richard Pence	5. Date 2/24/98	



February 24, 1998

Document Processing Desk (NOTIF)
Office of Pesticide Programs - H7504C
U.S. Environmental Protection Agency
401 M. Street (SW)
Washington, D.C. 20460-0001

Attn: Ms. Cynthia Giles-Parker (PM 22)

SUBJECT: APPLICATION FOR AMENDED REGISTRATION OF AS-50 (EPA REG. NO. 100-901)

Dear Ms. Giles-Parker:

It has recently come to our attention that the nominal concentration on the Confidential Statement of Formula and on the label for AS-50 (EPA Reg. No. 100-901) was not in compliance with PR Notice 91-2. Therefore, we are submitting both the adjusted Confidential Statement of Formula and label for this product

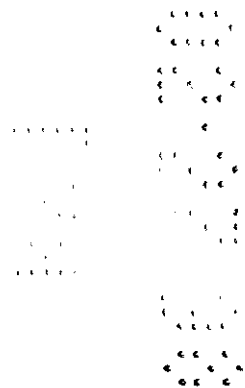
If you have any questions or comments regarding this notification, please contact me at (336) 632-2461.

Sincerely,

A handwritten signature in cursive script that reads 'Richard Pence'.

Richard Pence
Senior Regulatory Manager

Enclosures: Five (5) copies of final printed labels
Application for Pesticide Form 8570-1
Confidential Statement of Formula



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AS-50®

Agricultural Streptomycin

For control of halo blight of beans

Seed treatment and control of fire blight of apples and pears

Active Ingredient: Streptomycin Sulfate (Equivalent to 50% streptomycin base)65.8%
<u>Inert Ingredients</u>	<u>34.2%</u>
Total:	100.0%

EPA Est. 67545-AZ-1

Product ID. 10040

25 POUNDS
NET WEIGHT

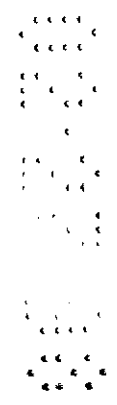
KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements at end of label.

EPA Reg. No. 100-901

EPA Est. No. 67545-AZ-1



DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Novartis.



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

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.

STORAGE AND DISPOSAL

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

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.

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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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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)

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.

<p>User Safety Recommendations</p> <p>Users should:</p> <ul style="list-style-type: none">• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
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Environmental Hazards

Keep out of lakes, ponds, and streams. Do not contaminate water when

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disposing of equipment wash waters.

AS-50® trademark of Novartis

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Novartis Crop Protection, Inc.
Greensboro, North Carolina 27419

NCP 901A-L1B 0198

[QUARK/AS-50/AS-50] - CCG - 1/28/98

