

Agri-Mycin® 17

Agricultural Streptomycin

ACTIVE INGREDIENT:

Streptomycin Sulfate (Equivalent to 17% streptomycin)..... 22.4%

OTHER INGREDIENTS: 77.6%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE BELOW FOR FIRST AID AND PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
 For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 55146-96

MANUFACTURED FOR
 NUFARM AMERICAS INC. AGT DIVISION
 11901 South Austin Avenue
 Alsip, IL 60803



Nufarm

Grow a better tomorrow.

FIRST AID

IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• 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

Harmful if absorbed through skin. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not breathe dust or spray mist. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below.

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, and a 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 mean high water mark. Do not contaminate water when disposing of equipment washwater 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

Agri-Mycin 17 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. To maintain the performance of Agri-Mycin 17 in the field, do not exceed two sequential applications or the total number of yearly applications of Agri-Mycin 17 as stated in the Use Instructions below. Adhere to the label instructions regarding the consecutive uses of Agri-Mycin 17 or other Group 25 fungicides on the same pathogens. The following recommendations may be considered to further delay the development of Group 25 fungicides/bactericides resistance:

- 1. Tank Mixtures:** Use tank mixtures with effective fungicides/bactericides from different modes of action groups that are registered for the same use and that are effective against the pathogen(s) of concern. Nufarm recommends using at least the minimum labeled rates of each fungicide in the tank mix. Do not tank mix with any product which contains a prohibition on tank mixing. Follow the most restrictive labeling limitations of any tank mix partner.
- 2. Integrated Pest Management (IPM):** Agri-Mycin 17 should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified crop advisor and/or Nufarm representative for additional IPM strategies established for your area. Agri-Mycin 17 fungicide/bactericide may be used in advisory (disease forecasting) programs, which recommend application timing based on environmental factors favorable for disease development.
- 3. Monitoring:** Monitor efficacy of all fungicides/bactericides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development.
- 4. Reporting:** Contact your local extension specialist, certified crop advisors and/or manufacturer for fungicide resistance management and/or integrated pest management recommendations for specific crops and resistant pathogen biotypes.

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 intervals. 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, protective eyewear, and shoes plus socks.

MIXING INSTRUCTIONS

DILUTION TABLE

Concentration Desired	Quantity of Product Per Volume of Water			
	5 Gal.	50 Gal.	100 Gal.	500 Gal.
ppm*				
50	1 tsp	2.0 oz	4.0 oz	20.0 oz
60	1-1/2 tsp	2.4 oz	4.8 oz	1.5 lb
100	2-1/4 tsp	4.0 oz	8 oz	2.5 lb
200	4-1/2 tsp	8 oz	1.0 lb	5.0 lb

*ppm = parts per million of streptomycin in prepared solution.

ROW CROPS

CROP	DISEASE	PRODUCT RATE OR CONCENTRATION	USE INSTRUCTIONS
POTATO	Soft Rot Blackleg	100 ppm (Refer to Dilution Table above)	Soak cut seed pieces in solution for several minutes and plant as usual. <u>Note:</u> A suitable fungicide (such as Maxim® PSP, Maxim MZ Fungicide, Captan, or a product containing a dithiocarbamate a.i.) should be used as an adjunct to this treatment for the control of fungal diseases associated with potato seed pieces.
TOBACCO	Wildfire Blue Mold	<u>For preventive action</u> 100 ppm (equivalent to 1 lb in 200 gal/A or 25 gal/5,000 ft ²)	Apply first spray when plants are in the 2-leaf stage or about the size of a dime or when blue mold first appears in the area. Continue applications at 5- to 7-day intervals until plants are set in the field. Additional protection may be obtained by spraying field plants weekly.
		<u>For curative action</u> 200 ppm (equivalent to 2 lb in 200 gal/A)	
		200 ppm (equivalent to 4 – 16 oz in 25 - 100 gal/A)	Apply in locations where wildfire has been a problem in recent years or where applications have been delayed until disease appears. Follow the same schedule as above.

TREE CROPS

CROP	DISEASE	PRODUCT RATE OR CONCENTRATION	USE INSTRUCTIONS
APPLE	Fire Blight	24 - 48 oz/A (equivalent to 50 - 100 ppm at 600 gal/A)	Make first application at 20 - 30% bloom. Spray trees every 3 to 4 days during blossom time. After petal fall, continue applications at 10- to 14-day intervals to control twig blight (this could mean an additional 6 - 8 applications after blossom sprays).
	Restriction Do not apply within 50 days of harvest.		
PEAR (Except CA)	Fire Blight	24 - 48 oz/A (equivalent to 50 - 100 ppm at 600 gal/A)	Make first application at 20 - 30% bloom. Spray trees every 3 to 4 days during blossom time. After petal fall, continue applications at 10- to 14-day intervals to control twig blight (this could mean an additional 6 - 8 applications after blossom sprays).
	Restriction Do not apply within 30 days of harvest.		
PEAR (California only)	Fire Blight	28.8 oz/A (equivalent to 60 ppm at 600 gal/A)	Make first application at 10% bloom and repeat at 5 day intervals until all late bloom is over. Continue applications at 5 to 7 day intervals to control shoot and fruit infections.
	Restriction Do not apply within 30 days of harvest.		

VEGETABLE CROPS

(Including seedlings and transplants grown in greenhouses and similar structures)

CROP	DISEASE	PRODUCT RATE OR CONCENTRATION	USE INSTRUCTIONS
CELERY (Florida only)	Bacterial Blight	200 ppm (equivalent to 0.5 - 1 lb in 50 - 100 gal/A)	Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. Continue applications at 4- to 5-day intervals until transplanted in the field.
PEPPER	Bacterial Spot Bacterial Speck*	200 ppm (equivalent to 0.5 - 1 lb in 50 - 100 gal/A)	Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. Continue applications at 4- to 5-day intervals until transplanted in the field.
TOMATO	Bacterial Spot Bacterial Speck*	200 ppm (equivalent to 0.5 - 1 lb in 50 - 100 gal/A)	Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. Continue applications at 4- to 5-day intervals until transplanted in the field.

*Not registered for use in California

ORNAMENTAL PLANTS AND SHRUBS

Grown in Greenhouses, Shadehouses, Fields, Nurseries (container, bench, or bed-grown), and Residential† & Commercial Landscapes

† Intended for use by professional applicators

PLANT	DISEASE	PRODUCT RATE OR CONCENTRATION	USE INSTRUCTIONS
Garden: Apple trees Pear trees Ornamentals: Amelanchier* Cotoneaster* Pyracantha	Fire Blight	100 ppm (equivalent to 0.5 - 1.5 lb in 100 - 300 gal/A)	Apply in foliar and blossom sprays. Apply first spray at start of blossoming period. Continue applications every 3 to 4 days during blossom time. Apply additional sprays every 5 to 7 days after blossom period when weather favors spread of fire blight.
	Restriction Do not apply after fruit is visible		
Berberis*, Carnation*, Forsythia*, Geranium*, Hedera (ivy)*, Hydrangea*, Impatiens*, Lonicera (honeysuckle)*, Philadelphus*, Philodendron, Poinsettia*, Rudbeckia (Black-eyed susan)*, Salvia*, Syringa*, and Viburnum*	Bacterial Leaf Spot* Bacterial Leaf Rot Bacterial Blight* (<i>Pseudomonas</i> spp., <i>Xanthomonas</i> spp.)	200 ppm (equivalent to 1 - 3 lb in 100 - 300 gal/A)	Apply as preventive spray or at first sign of water-soaked areas on leaves. Repeat at 4- to 5-day intervals. <u>For curative action</u> Remove all rotted leaves from plant and then spray every 4 days.
Chrysanthemum Hydrangea*	Bacterial Wilt (<i>Pseudomonas solanacearum</i>)	50 ppm (Refer to Dilution Table above)	Soak plant cuttings in solution for 4 hours. Plant as usual.
Calla Lily Gladiolus* Orchid*	Leaf Spot* Soft Rot caused by Erwinia spp.	100 - 200 ppm (Refer to Dilution Table above)	<u>Pre-Plant Treatment</u> Apply as a postharvest, pre-plant dip or spray onto exposed bulbs.
		100 - 200 ppm (equivalent to 8 - 16 oz per 100 gal)	<u>Post-Plant, Pre-Emergent Drench</u> Apply as a drench at a rate of 3 to 4 ounces of solution per 6 inch pot or 3 to 4 ounces of solution per setting in the field.
		200 ppm (equivalent to 1 - 3 lb in 100 - 300 gal/A)	<u>Preventive treatment *</u> Apply as a foliar spray at first sign of water-soaked areas on leaves. Continue applications at 4- to 7-day intervals.
Dieffenbachia Cuttings	Bacterial Stem Rot	200 ppm (Refer to Dilution Table above)	Soak cuttings in solution for 20 minutes. Plant cuttings in sterilized rooting medium.
		100 ppm (equivalent to 0.5 - 1.5 lb in 100 - 300 gal/A)	To check spread of stem rot in stock plants, spray every 5 - 7 days.
Roses* Lonicera (honeysuckle)*	Crown Gall*	200 ppm (Refer to Dilution Table above)	Remove infected plant. Cut out gall tissue. Soak the plant root system and cut surfaces of the infected area in solution for 15 minutes. Replant in soil free of the crown gall organisms.
		50 ppm (equivalent to 4 - 12 oz in 100 - 300 gal/A)	Use 50 ppm in watering solution and in foliar sprays applied weekly starting one week after planting as an adjunct to the treatment above.

*Not registered for use in California

Additional information regarding use of this product may be obtained from your local Agricultural Extension Agent or State Experimental Station.

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 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 HANDLING:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn unless allowed 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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