

This is a specimen label, intended for use only as a guide in providing general information regarding use of this product.
As labels are subject to revision, always carefully read and follow the label on the product container.

FireWall™

17 WP

Fungicide/Bactericide
Agricultural Streptomycin

GROUP	25	FUNGICIDE
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Active Ingredient:	
Streptomycin Sulfate*	22.40%
Other Ingredients:	77.60%
	100.00%

*Equivalent to 17% streptomycin

KEEP OUT OF REACH OF CHILDREN
CAUTION

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.)

EPA Reg. No. 80990-4
EPA Est. No. 39578-TX-1
Product Number 1004

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 undamaged, and the purchase price will be refunded.



AgroSource, Inc.
P.O. Box 1341
Mountainside, New Jersey 07092-0341

REV 80990-4
(120508 1087043-3368)

FIRST AID	
Call a poison control center or doctor immediately for treatment advice.	
If On Skin or Clothing:	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes.
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.
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 InfoTrac at 1-800-535-5053 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION: Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes moderate eye irritation. Do not breathe dust or spray mist. This material is not to be used for medical, veterinary or human purposes.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- long-sleeved shirt
- long pants
- chemical-resistant gloves made of a waterproof material
- shoes plus socks
- MSHA/NIOSH approved dust/mist 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

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 by cleaning of equipment or disposal of wastes.

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 apply to uses 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.

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, wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of a waterproof material
- Shoes plus socks

Resistance Management Statements: FIREWALL™ 17 WP fungicide/bactericide contains a Group 25 (fungicide/bactericide). Fungal isolates/bacterial strains with acquired resistance to Group 25 may eventually dominate the fungal/bacterial population if Group 25 fungicides/bactericides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by FIREWALL™ 17 WP fungicide/bactericide or other Group 25 products.

To delay fungicide/bactericide resistance consider:

- Avoiding the consecutive use of FIREWALL™ 17 WP fungicide/bactericide or other target site of action Group 25 fungicides/bactericides that have a similar target site of action, on the same pathogens.
- Using tank-mixtures or premixes with fungicide/bactericides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide/bactericide use on a comprehensive IPM program.
- Monitoring treated fungal/bacterial populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide/bactericide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

MIXING INSTRUCTIONS				
Concentration Desired	Quantity FIREWALL™ 17 WP Per Volume of Water			
ppm*	50 gals.	100 gals.	500 gals.	600 gals.
50	2 oz.	4 oz.	1 ¼ lbs.	1 ½ lbs.
60	2.4 oz.	4.8 oz.	1 ½ lbs.	1 ¾ lbs.
100	4 oz.	8 oz.	2 ½ lbs.	3 lbs.
200	8 oz.	16 oz.	5 lbs.	6 lbs.

*ppm = parts per million

Vegetable Crops

Crop	Disease	Recommended Concentration or Rate	Use Directions
Celery (Florida area)*	Bacterial Blight (<i>Pseudomonas cichorii</i>)	200 ppm	Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. Apply at 4 to 5-day intervals. Continue applications until celery is transplanted in the field.
Peppers*	Bacterial Spot (<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>)	200 ppm	Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. Apply at 4 to 5-day intervals. Continue applications until transplanted in the field.
Potatoes*	Soft Rot Blackleg (<i>Erwinia carotovora</i> subsp. <i>atroseptica</i> and <i>Erwinia carotovora</i> subsp. <i>carotovora</i>)	100 ppm	Soak cut seed pieces in solution for several minutes; plant as usual. NOTE: A suitable fungicide should be used as an adjunct to this treatment for the control of fungal diseases associated with potato seed pieces.
Tomatoes*	Bacterial Spot (<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>)	200 ppm	Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. Apply at 4 to 5-day intervals. Continue applications until transplanted in the field.

Tree Fruit Crops

Crop	Disease	Recommended Concentration or Rate	Use Directions
Apples*	Fire Blight (<i>Erwinia amylovora</i>)	24-48 oz. FIREWALL™ 17 WP per acre per application (equivalent to 50-100 ppm at 600 gals/A)	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 50 days of harvest.
Apples (West Coast Area)	Fire Blight (<i>Erwinia amylovora</i>)	28.8 oz. FIREWALL™ 17 WP per acre per application (equivalent to 60 ppm at 600 gals/A)	Spray trees at 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.
Pears*	Fire Blight (<i>Erwinia amylovora</i>)	24-48 oz. FIREWALL™ 17 WP per acre per application (equivalent to 50-100 ppm at 600 gals/A)	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 (West Coast Area)	Fire Blight (<i>Erwinia amylovora</i>)	28.8 oz. FIREWALL™ 17 WP per acre per application (equivalent to 60 ppm at 600 gals/A)	Spray trees at 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.

[* Except California]

Ornamentals

Crop	Disease	Recommended Concentration or Rate	Use Directions
Chrysanthemums*	Bacterial Wilt (<i>Erwinia chrysanthemi</i>)	50 ppm	Soak plant cuttings in solution for 4 hours; plant as usual.
Dieffenbachia Cutting*	Bacterial Stem Rot (<i>Erwinia chrysanthemi</i>)	200 ppm	Soak cuttings in solution for 20 minutes. Plant cuttings in sterilized rooting medium.
		100 ppm	To check spread of stem rot in stock plants, use 100 ppm spray every 5-7 days.
Philodendron*	Bacterial Leaf Rot (<i>Xanthomonas campestris</i>)	200 ppm	Apply as preventive or at first signs of water-soaked areas on leaf. Apply every 4-5 days.
		For curative action	Remove all rotted leaves from plant and then spray at 200 ppm every 4 days.
Roses (New Jersey Area)*	Crown Gall (<i>Agrobacterium spp.</i>)	200 ppm	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 rose bushes in soil free of the crown gall organisms.
		50 ppm	Use 50 ppm in watering solution and in foliar sprays applied weekly starting one week after planting as an adjunct to this treatment.

Row Crops

Crop	Disease	Recommended Concentration or Rate	Use Directions
Tobacco*	Wildfire Blue Mold (<i>Peronospora tabacina</i>)	100 ppm for preventive action	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. Repeat application at 5 to 7-day intervals until plants are set in the field. Additional protection may be obtained by spraying field plants with 100 ppm in a weekly spray schedule.
		200 ppm for curative action	In locations where wildfire has been a problem in recent years or where applications have been delayed until disease appears, a spray of Firewall™ 17 WP resulting in 200 ppm concentration is recommended. Follow the same schedule as above.

Home & Garden

Crop	Disease	Recommended Concentration or Rate	Use Directions
Apple Trees, Pear Trees, Pyracantha (Fire Thorn Bush) (CA)	Fire Blight (<i>Erwinia amylovora</i>) of the Rosaceae	100 ppm	Apply in foliar and blossom sprays. Apply first spray at start of blossoming period. Continue spray application every 3-4 days during blossom time. Apply additional sprays every 5-7 days after blossom period when weather favors spread of fire blight. Do not apply after fruit is visible.

[* Except California]

Use of **FIREWALL™ 17 WP** fungicide/bactericide may cause phytotoxicity to the fruit and/or foliage of sensitive varieties of pears and apples.

Additional information regarding use of **FIREWALL™ 17 WP** fungicide/bactericide may be obtained from your local Agricultural Extension Agent or State Experimental Station.

[This product contains a chemical (streptomycin sulfate) known to State of California to cause reproductive toxicity.]

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep tightly closed and sealed. Product is moisture, temperature and light sensitive. Product is hygroscopic so protect from moisture. Store in a cool (<77°F, 25°C), dry place away from heat and open flames with minimum exposure to the atmosphere. Avoid extremes in temperature.

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: Nonrefillable Container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer bag for recycling if available or dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Conditions of Sale and Limitation of Warranty and Liability

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, resistant strains or other influencing factors in the use of the product, which are beyond the control of AgroSource, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold AgroSource, Inc. and Seller harmless for any claims relating to such factors.

AgroSource, Inc. 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 AgroSource, Inc., and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AGROSOURCE, INC. MAKES NO OTHER WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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Firewall is a trademark of AgroSource, Inc.

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EMERGENCY TELEPHONE NUMBER:

InfoTrac: 1-800-535-5053