

# Bac-Master™

PLANT PROTECTION

## AGRICULTURAL STREPTOMYCIN

### Active Ingredient:

Streptomycin Sulfate*	21.3%
Other Ingredients:	78.7%
Total:	100.0%

\*(equivalent to 17% Streptomycin)

### KEEP OUT OF REACH OF CHILDREN CAUTION

SEE BACK OF BAG FOR USE DIRECTIONS

FIRST AID	
<b>If on skin or clothing:</b>	<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>
<b>If in eyes:</b>	<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 first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further 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 1-323-264-3910 for emergency medical treatment information.	

### IMPORTANT:

Read the entire Directions for Use before using this product.

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION.** May cause allergic skin reactions. 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, and a dust/mist filtering respirator (MSHA/NIOSH approval number TC-21C), or a NIOSH approved respirator with any R, P or HE filter. Follows 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. This material is not to be used for medical, veterinary, or human purposes.

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wastewater.

### 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 of 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 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 from any waterproof material
- Shoes plus socks

### MIXING INSTRUCTIONS

Concentration Desired ppm*	Quantity Bac-Master per Volume of Water		
	50 gals.	100 gals.	500 gals.
50	2 oz.	4 oz.	20 oz.
60	2.4 oz.	4.8 oz.	1½ lb.
100	4 oz.	½ lb.	2½ lb.
200	½ lb.	1 lb.	5 lb.

\*ppm = parts per million

### SPRAY APPLICATION

#### CELERY\*

(Florida Area) *Bacterial Blight*. Recommended concentration of 200 ppm. Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. For follow-up spray schedule, apply at 4 to 5 day intervals. Continue applications until celery is transplanted in the field.

EPA Reg. No. 55146-80-5481

EPA Est. No. 33967-NJ-1



4100 E. Washington Blvd. • Los Angeles, CA 90023, USA  
1-323-264-3910 • www.amvac-chemical.com

NET WT:

11634-1

## PHILODENDRON\*

*Bacterial Leaf Rot.* Recommended concentration of 200 ppm. Apply first spray as preventative or at first signs of water soaked areas on leaf. For follow-up spray schedule, apply every 4 to 5 days. For curative action, remove all rotted leaves from plant and then spray at 200 ppm every 4 days.

## TOMATOES, PEPPERS\*

*Bacterial Spot.* Recommended concentration of 200 ppm. Apply first spray when seedlings are in the 2-leaf stage, when first true leaves appear. For follow-up spray schedule, apply at 4 to 5 day intervals. Continue applications until transplanted in the field.

## DIEFFENBACHIA CUTTINGS\*

*Bacterial Stem Rot.* Recommended concentration of 200 ppm. Soak cuttings in Bac-Master solution for 20 minutes. Plant cuttings in sterilized rooting medium. To check spread of *stem rot* in stock plants, use 100 ppm Bac-Master spray every 5 to 7 days.

## CHRYSANTHEMUMS\*

*Bacterial Wilt.* Recommended concentration of 50 ppm. Soak plant cuttings in Bac-Master solution for 4 hours; plant as usual.

## ROSES\*

**(New Jersey Area) Crown Gall.** Recommended concentration of 200 ppm. Remove infected plant. Cut out gall tissue. Soak the root system and cut surfaces on the infected area in Bac-Master solution for 15 minutes. Replant rose bushes in soil free of the crown gall organisms. Use 50 ppm Bac-Master in watering solution and in foliar sprays applied weekly, starting one week after planting as an adjunct to this treatment.

## PEARS

*Fire Blight.* Recommend 24 to 48 oz. Bac-Master per acre (equivalent to 50 to 100 ppm at 600 gals. per acre). For first spray, spray trees at 20% to 30% of bloom. For follow up spray schedule, spray trees every 3 to 4 days during blossom time. Apply sprays after petal fall every 10 to 14 days to control *twig blight*. (This could mean an additional 6 to 8 applications after blossom sprays.) Do not apply within 30 days of harvest.

**(West Coast Area) Fire Blight.** Recommend 28.8 oz. Bac-Master per acre (equivalent to 60 ppm at 600 gallons per acre). Apply first spray at 10% bloom. For follow up spray schedule, repeat at 5 day intervals until all late bloom is over. (This could mean 12 to 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.

## ROSACEAE HOME GARDEN APPLE TREES, HOME GARDEN PEAR TREES, PYRACANTHA (FIRE THORN BUSH)

**(California) Fire Blight.** Recommended concentration of 100 ppm. Apply Bac-Master in foliar and blossom sprays. Apply first spray at start of blossoming period. Continue spray application 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*. Do not apply after fruit is visible.

## APPLES

*Fire Blight.* Recommended concentration of 24 to 48 oz. Bac-Master per acre (equivalent to 50 to 100 ppm at 600 gallons per acre). For first spray, spray trees at 20% to 30% bloom. For follow up spray schedule, spray trees every 3 to 4 days during blossom time. Apply sprays after petal fall every 10 to 14 days to control *twig blight*. (This could mean an additional 6 to 8 applications after blossom sprays.) Do not apply within 50 days of harvest.

**(West Coast Area) Fire Blight.** Recommended concentration of 28.8 oz. Bac-Master per acre (equivalent to 60 ppm at 600 gallons per acre). Apply first spray at full bloom. For follow up spray schedule, 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.

## POTATOES\*

*Soft Rot and Blackleg.* Recommended concentration of 100 ppm. Soak cut seed pieces in Bac-Master solutions for several minutes; plant as usual. Do not use treated seed for food or feed purposes.

**NOTE:** A suitable fungicide (such as Captan or dithiocarbamates) should be used as an adjunct to this treatment for the control of fungal diseases associated with potato seed pieces.

## TOBACCO\*

*Wildfire and Blue Mold.* Recommended concentration of 100 ppm for preventative 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. For follow up spray schedule, 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. Recommended concentration of 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 200 ppm Bac-Master is recommended. Follow the same schedule as above.

\*EXCEPT CALIFORNIA

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Keep tightly closed. Storage should be at a cool temperature when possible, and within minimum exposure to the atmosphere.

**Container Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Pesticide Disposal:** Completely empty bag into application equipment. Then dispose of bag in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For 24 hour emergency information, call 1-800-424-9300 (CHEMTREC), day or night.

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

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

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conform to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

**THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

Bac-Master™ is a Registered Trademark of AMVAC Chemical Corporation.

Amvac Chemical Corporation  
4100 E. Washington Boulevard  
Los Angeles, CA 90023 U.S.A.  
1-323-264-3910  
www.amvac-chemical.com