

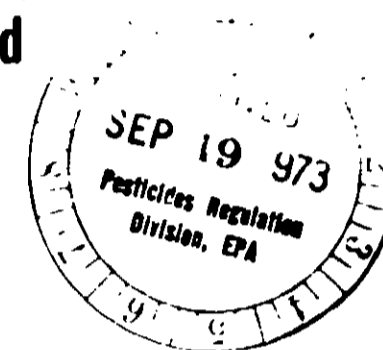
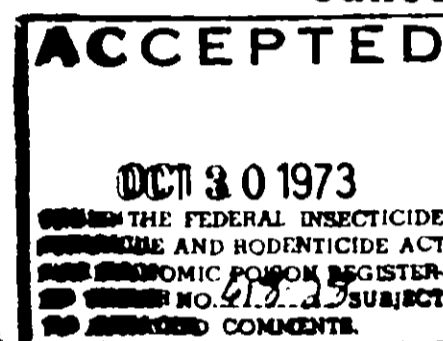
MERCK AGRICULTURAL PRODUCTS



IMPORTANT NOTICE
E.P.A. Registration
For Hops
Canceled

Agri-Strep

for the Control
of Bacterial
Plant Diseases.



Pears and Apples

Effective control of fire blight

- AGRI-STREP is more economical than pruning
- Does not impair fruit finish or yield
- Eliminates pruning of fruit-bearing portions of trees
- Systemic—provides protection during rainy weather
- Effective against blossom blight and twig blight
- Short interval—use up to 30 days before harvest for pears. 50 days for apples

Tomatoes and Peppers

Effective control of bacterial spot

- Systemic—provides protection during rainy weather
- Does not impair fruit finish or yield



AGRI-STREP is a systemic fungicide...
It is effective against...
It is safe for...
It is easy to use...
It is economical...
It is effective against...
It is safe for...
It is easy to use...
It is economical...

CAUTION: Keep out of reach of children.
MAY CAUSE ALLERGIC SKIN REACTION.
Avoid contact with skin and eyes.
Do not breathe dust or spray mist.
Wear dust mask and rubber gloves.
Wash thoroughly after handling.
Do not contaminate water by cleaning of equipment or disposal of wastes.

ALSO CONTROL BACTERIAL DISEASES OF

HOPS—downy mildew

CELERY—bacterial blight (Florida)

POTATOES—Soft rot and blackleg (Maine)

TOBACCO—Wild fire and blue mold

CHRYSANTHEMUMS—Bacterial wilt

Agri-Strep[®]

for the Control
of Bacterial
Plant Diseases.

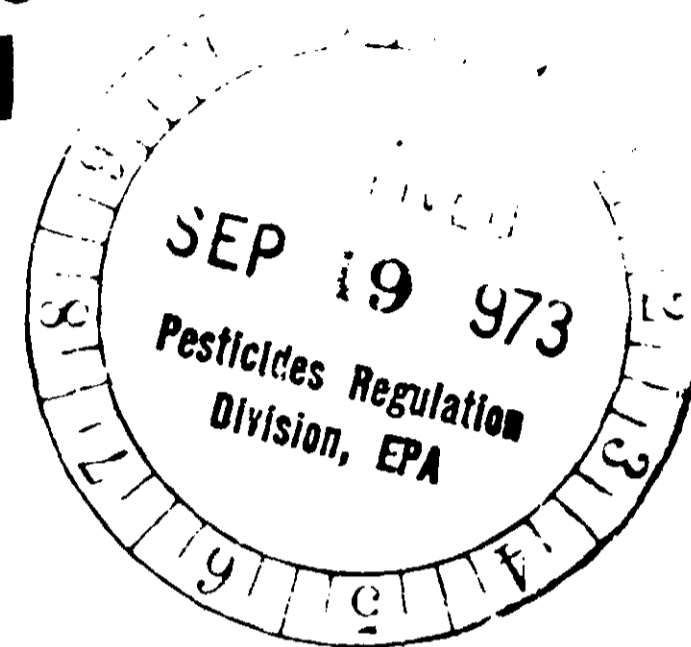
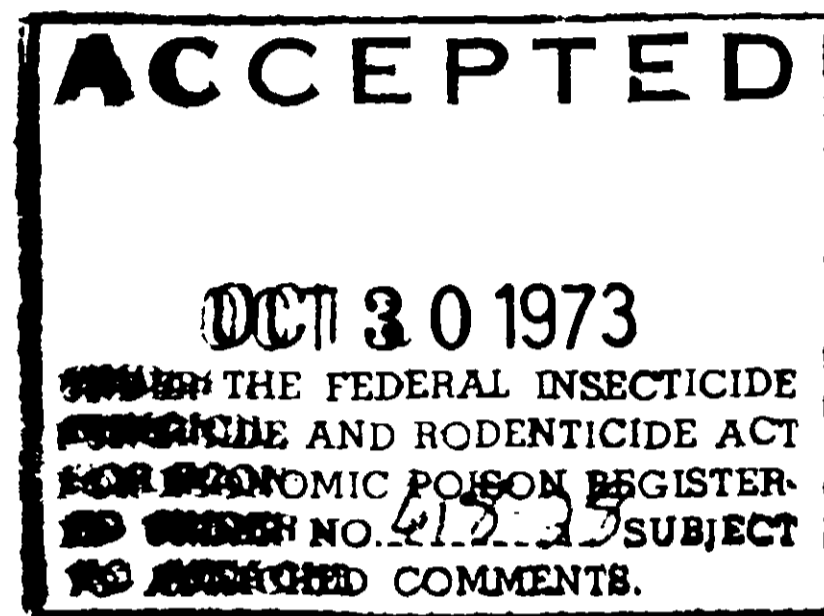
Pears and Apples

Effective control of fire blight

- AGRI-STREP is more economical than pruning
- Does not impair fruit finish or yield
- Eliminates pruning of fruit-bearing portions of trees
- Systemic—provides protection during rainy weather

■ Effective against blossom blight and twig blight

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The use of this product is suggested for the control of:
 PEARS—Fire Blight
 APPLES—Fire Blight
 TOMATOES—Bacterial Spot
 PEPPERS—Bacterial Spot
 CUCUMBERS—Downy Mildew
 TOBACCO—Wildfire and Blue Mold
 POTATOES—Soft Rot and Black Leg in Maine and adjacent areas
 CELERY—Bacterial Blight in Florida
 CHRYSANTHEMUMS—Bacterial Wilt
 For further details consult your State Agricultural Experiment Station.

USDA Registration No. 412-35

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Product
Sp. 1003
1/2 LB.

For the Control of certain
Bacterial Plant Diseases

PEARS—Fire Blight
APPLES—Fire Blight
TOMATOES—Bacterial Spot
PEPPERS—Bacterial Spot
HOPS—Downy Mildew
TOBACCO—Wildfire and Blue Mold
POTATOES—Soft Rot and Black Leg
in Maine and adjacent areas
CELERY—Bacterial Blight in Florida
CHRYSANTHEMUMS—Bacterial Wilt

For further details consult your
State Agricultural Experiment Station



Active Ingredient
Streptomycin Sulfate 21.2%
Inert Ingredients 78.8%
100%

CAUTION!

Keep out of reach of children

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cleaning of equipment or
disposal of wastes.

DIRECTIONS FOR USE

Crop & Disease	Application		Apply First	Follow-up
	Method	Rate*		
PEARS (Fire Blight) West Coast	Spray	28.8 oz. AGRI-STREP per acre (equivalent to 60 ppm at 600 gal. A)	10% bloom	Repeat at 5 day intervals until all late bloom is over. Continue to spray at 5-7 day intervals to control shoot and fruit infections. Do not apply within 30 days of harvest. Same as Spray.
	Dust	40 lb. of 1500 ppm dust per acre	10% bloom	
	Other Areas	Spray	24-48 oz. AGRI-STREP per acre (equivalent to 50-100 ppm at 600 gal. A)	
APPLES (Fire Blight) West Coast	Spray	28.8 oz. AGRI-STREP per acre (equivalent to 60 ppm at 600 gal. A)	full bloom	Apply at petal fall and late secondary bloom. Continue to spray at 5-7 day intervals to maintain disease control. Do not apply within 50 days of harvest. Same as Spray.
	Dust	40 lb. of 1500 ppm dust per acre	full bloom	
	Other Areas	Spray	24-48 oz. AGRI-STREP per acre (equivalent to 50-100 ppm at 600 gal. A)	
TOMATOES & PEPPERS (Bacterial Spot)	Spray	200 ppm	When first true leaves appear	Continue every 4-5 days until transplanting.
HOPS (Downy Mildew)	Spray	1000 ppm	Soak spray crown when shoots first appear	Repeat soaking spray after crown pruning when shoots are 4-12 inches long. Do not apply after first vine training.
TOBACCO (Blue Mold)	Spray	100 ppm (200 ppm for serious infection)	When plants are the size of a dime, or when disease is first reported in the area	Spray at 5-7 day intervals until plants are set into the field or until the disease is no longer a problem.
TOBACCO (Wildfire)	Spray	100 ppm (200 ppm where wildfire is already established)	When plant bed is in 2-leaf stage	Spray each week for 5 weeks or until transplanting.
POTATOES (Soft Rot and Black Leg in Maine and adjacent areas)	Soak	100 ppm	Soak cut seed pieces in solution for 30 minutes. Then plant as usual.	
CELERY (Bacterial Blight in Florida)	Spray	50 ppm	When conditions favor blight.	Spray young plants in seeded beds weekly until transplanting.
CHRYSANTHEMUMS (Bacterial Wilt)	Soak	50 ppm	Soak basal ends of cuttings for 6 hours. Then plant as usual.	

*ppm refers to Streptomycin content

MIXING DIRECTIONS: Sprays containing 50-1000 parts per million of streptomycin are suggested. AGRI-STREP contains 17% streptomycin (21.2% streptomycin sulfate) so that the following dilutions will supply the indicated concentrations:

50 ppm—Mix 1/4 pound in 100 gallons of water
100 ppm—Mix 1/2 pound in 100 gallons of water
200 ppm—Mix 1 pound in 100 gallons of water
1000 ppm—Mix 5 pounds in 100 gallons of water

NOTICE TO BUYER: Buyer assumes all risks of use and handling which are at variance in any way with the directions hereon. There are no warranties which extend beyond the description on this label.

USDA Registration No. 618-28

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MERCK CHEMICAL DIVISION
MERCK & CO., INC. • RAHWAY, N. J. 07065, U.S.A.

Notice to Buyer.

The buyer assumes risk of all injury or damage resulting from failure to follow the label directions. There are no warranties of fitness or merchantability extending beyond those expressly set forth herein and appearing on the label.



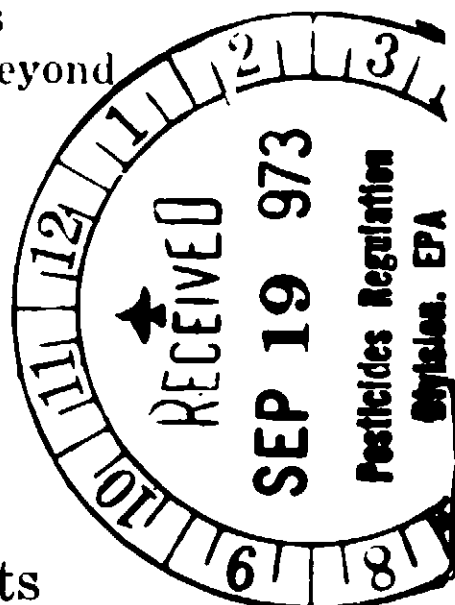
Agricultural Products

MERCK CHEMICAL DIVISION

Merck & Co., Inc., Rahway, N.J. 07065

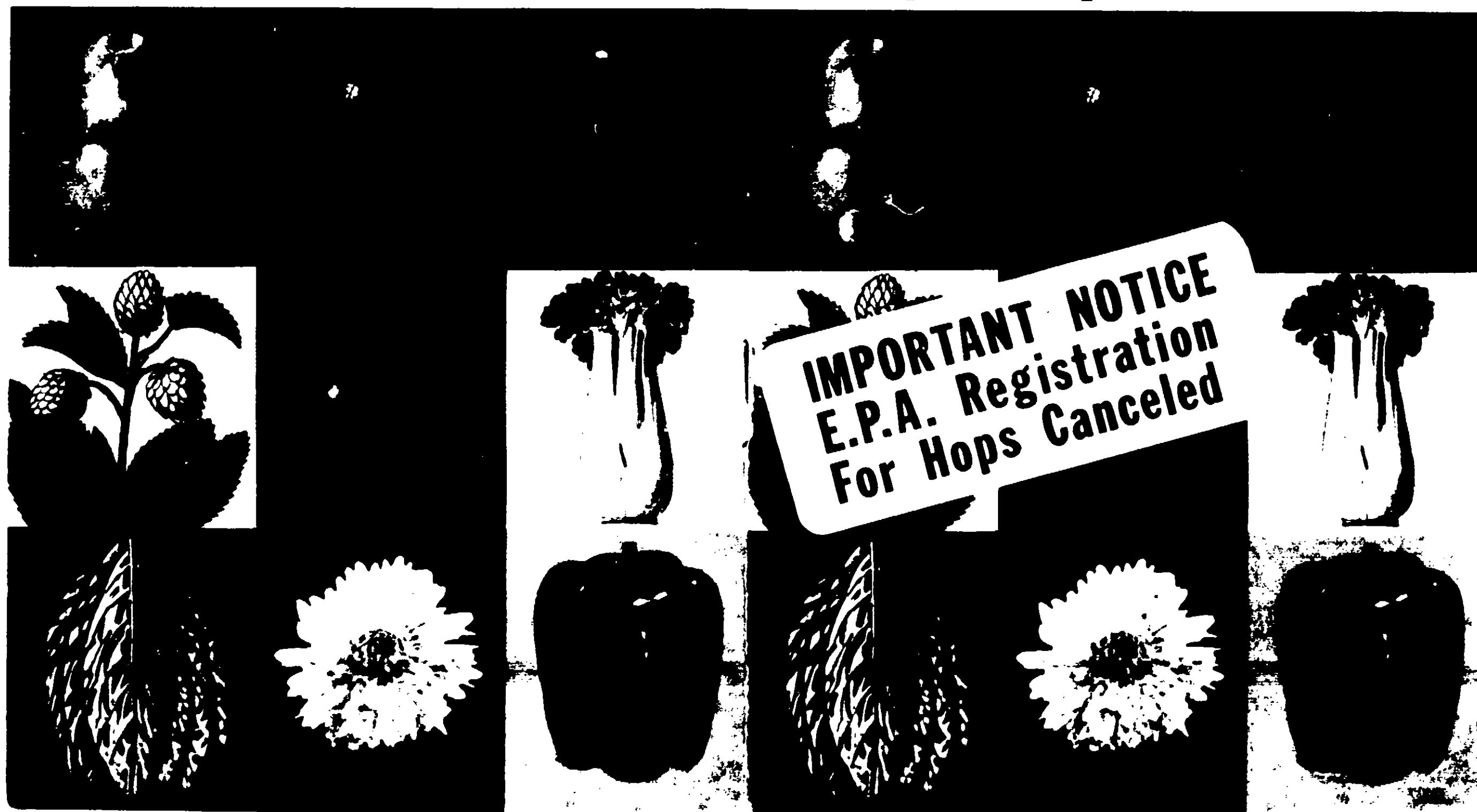
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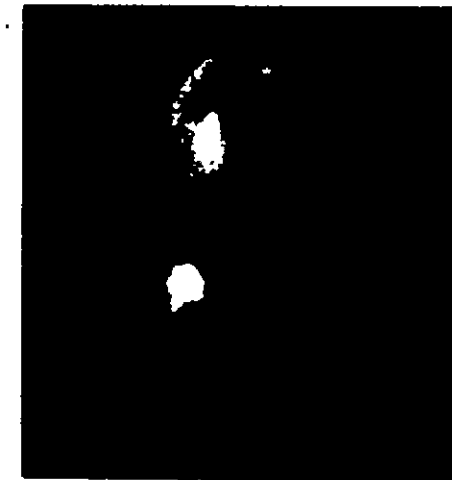
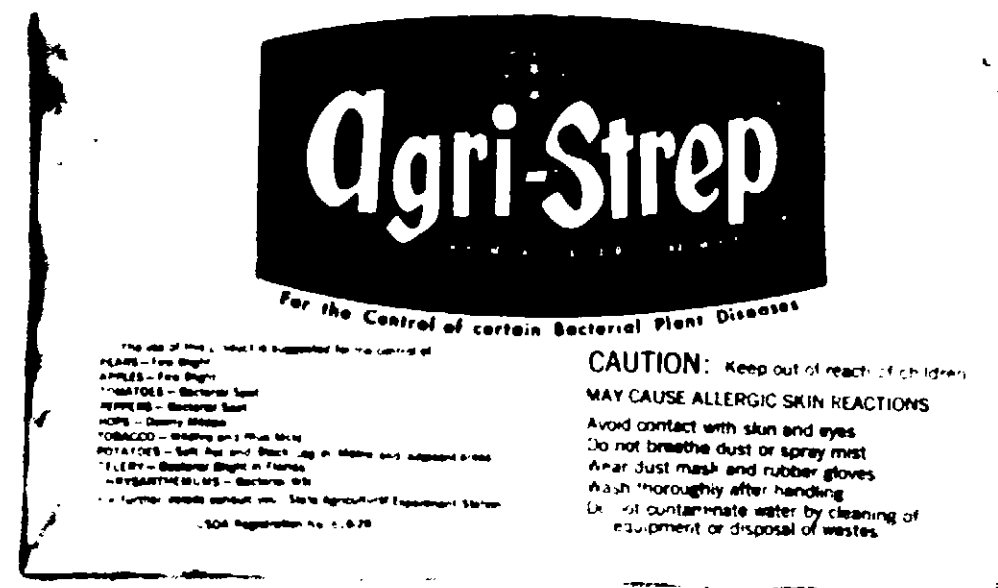
Agri-Strep

**For Effective Control of
Bacterial Diseases of Pears,
Apples, Tomatoes, Peppers,
Celery, Tobacco, Potatoes,
Hops, Chrysanthemums**



AGRI-STREP is the best, most economical harvest insurance you can buy.

The cost of bacterial disease is high. In orchards the cost is multiplied over many seasons. Fruit-bearing parts of trees pruned to combat bacterial disease take several seasons to bear again. This season, fight bacterial disease the sure way—the economical way—AGRI-STREP from Merck.



PEARS

AGRI-STREP controls pear blight. Costs less than pruning. Will not impair fruit finish or yield. Effective on both blossom

and twig blight.

No detectable residue in fruit at harvest if used according to package directions. Systemic as well as surface action—protects during drizzle and rainy conditions, regardless of temperatures. Improves yield because bearing portions of trees are not pruned out. Can be used up to 30 days before harvest.



APPLES

AGRI-STREP controls apple blight. Costs less than pruning. Effective on both blossom and twig blight.

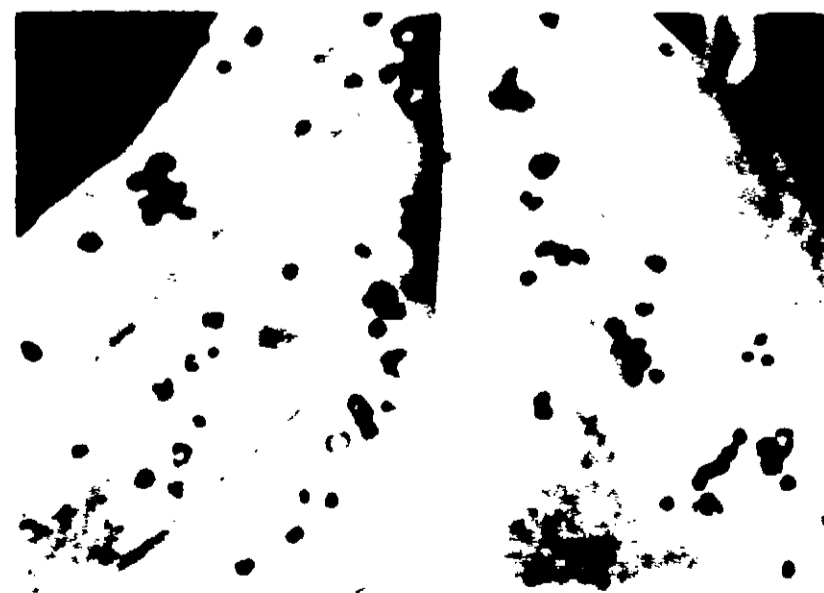
No detectable residue in fruit at harvest if used according to package directions. Systemic as well as surface action—protects during drizzle and rainy conditions, regardless of temperatures. Improves yield because bearing portions of trees are not pruned out. Can be used up to 50 days before harvest.

VEGETABLES

AGRI-STREP is effective against bacterial spot on tomatoes and peppers, bacterial blight on Florida celery, and soft rot and black leg on potatoes. It provides systemic as well as surface action, and stays effective during rainy conditions. It will not impair the finish or yield of tomatoes and peppers. For potatoes, soak the seed pieces 30 minutes in an AGRI-STREP solution. AGRI-STREP should be used in combination with a standard seed protectant for controlling seed rot and damping off.



Tomato stem and leaves with bacterial wilt



Bacterial spot of peppers

CHRYSANTHEMUMS, HOPS, TOBACCO



AGRI-STREP controls downy mildew of hops, tobacco wildfire and blue mold, and bacterial wilt of chrysanthemums. For hops, a soak spray should be used when the shoots first appear, with applications repeated up to the first vine training. Chrysanthemum cuttings should have their basal ends soaked for six hours to prevent wilt. Tobacco spraying should begin when the seedlings are in the two-leaf stage. AGRI-STREP works with both systemic and surface action and protects under all temperature and rain conditions.

Use this table to determine your AGRI-STREP concentrations

Concentration Desired	Quantity AGRI-STREP Per Volume of Water		
	50 gal.	100 gal.	500 gal.
100 ppm	¼ lb.	½ lb.	2½ lb.
200 ppm	½ lb.	1 lb.	5 lb.
1000 ppm	2½ lb.	5 lb.	25 lb.

See the Application Chart on the next two pages.

Crop & disease	Application		Apply first	Follow-up
	Method	Rate*		
PEARS (fire blight) West Coast	Spray	28.8 oz. AGRI-STREP per acre (equivalent to 60 ppm at 600 gal/A)	10% bloom	Repeat at 5 day intervals until all late bloom is over. Continue to spray at 5-7 day intervals to control shoot and fruit infections. Do not apply within 30 days of harvest.
	Dust	40 lb. of 1500 ppm dust per acre	10% bloom	
Other areas	Spray	24-48 oz. AGRI-STREP per acre (equivalent to 50-100 ppm at 600 gal/A)	20-30% bloom	Spray trees every 3-4 days during blossom time. After petal fall, apply sprays every 10-14 days to control twig blight. Do not apply within 30 days of harvest.
APPLES (fire blight) West Coast	Spray	28.8 oz. AGRI-STREP per acre (equivalent to 60 ppm at 600 gal/A)	full bloom	Apply at petal fall and late secondary bloom. Continue to spray at 5-7 day intervals to maintain disease control. Do not apply within 50 days of harvest.
	Dust	40 lb. of 1500 ppm dust per acre	full bloom	
Other areas	Spray	24-48 oz. AGRI-STREP per acre (equivalent to 50-100 ppm at 600 gal/A)	20-30% bloom	Spray trees every 3-4 days during blossom time. After petal fall, apply sprays every 10-14 days to control twig blight. Do not apply within 50 days of harvest.
TOMATOES & PEPPERS (bacterial spot)	Spray	200 ppm	When first true leaves appear	Continue every 4-5 days until transplanting.
HOPS (downy mildew)	Spray	1000 ppm	Soak spray crown when shoots first appear	Repeat soaking spray after crown pruning when shoots are 4-12 inches long. Do not apply after first vine training.
TOBACCO (blue mold)	Spray	100 ppm (200 ppm for serious infection)	When plants are the size of a dime, or when disease is first reported in the area.	Spray at 5-7 day intervals until plants are set into the field or until the disease is no longer a problem.
TOBACCO (wildfire)	Spray	100 ppm (200 ppm where wildfire is already established)	When plant bed is in 2-leaf stage	Spray each week for 5 weeks or until transplanting.
POTATOES (soft rot and black leg in Maine and adjacent areas)	Soak	100 ppm	Soak cut seed pieces in solution for 30 minutes. Then plant as usual.	-----
CELERY (bacterial blight in Florida)	Spray	50 ppm	When conditions favor blight.	Spray young plants in seedbed twice weekly until transplanting.
CHRYSANTHEMUMS (bacterial wilt)	Soak	50 ppm	Soak basal ends of cuttings for 6 hours. Then plant as usual.	-----

*ppm refers to Streptomycin content