

# Phyton<sup>®</sup>

## 27

### BACTERICIDE & FUNGICIDE

**ACTIVE INGREDIENT**

Copper Sulphate Pentahydrate\*.....21.36%

INERT INGREDIENTS.....78.64%

100.00%

\*Copper as Metallic.....5.5%

Contains 2.06 lbs. Active Ingredient per gallon

#### KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

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.)

U.S. PAT. NO. 4,673,687  
E.P.A. REG. NO. 49538-2  
E.P.A. EST. NO. 42705-MN-01

**Source Technology Biologicals, Inc.**

7449 Cahill Road  
Edina, MN 55439 1-800-356-8733  
www.sourcetechnbio.com

**FIRST AID****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.
- Call a poison control center or doctor for treatment advice.

**If on Skin or Clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.
- If product diluted in accordance with the directions for use gets on skin, medical attention is not required.

**If Swallowed:**

- Call a poison control center or doctor immediately for treatment advice.
- Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are unavailable, 1 or 2 glasses of water.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note to Physician:** Skin symptoms may be similar to copper allergic reactions and can be treated similarly, including the use of steroid-containing lotion. If swallowed, probable mucosal damage may contraindicate the use of gastric lavage.

See side panel for additional precautionary statements.

**STORAGE AND DISPOSAL**

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

**STORAGE**— Store in a secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area. Keep away from excessive heat. Do not freeze or store below 45° F. Open dumping is prohibited.

**DISPOSAL**

**IF EMPTY:** Do not reuse this container. Place in trash or offer for recycling if available.

**IF PARTLY FILLED:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water.

**PHYSICAL OR CHEMICAL HAZARDS**

For spills, you may contact CHEMTREC at 1-800-424-9300.

**PRECAUTIONARY STATEMENTS****HAZARD TO HUMANS (& DOMESTIC ANIMALS)**

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Harmful if absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), long-sleeved shirt, long pants, shoes plus socks, and chemical resistant gloves made of any waterproof material. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Food utensils such as teaspoons or tablespoons should not be used for food purposes after use with pesticides. Do not enter or allow children, pets or others to enter treated area until sprays have dried.

**NOTICE:**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice, including but not limited to over-fertilization or senescing plant tissue. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions, abnormal conditions, presence of other materials, the manner of application, or other factors, all of which are beyond the control of the manufacturer. All such risks shall be assumed by the buyer. The exclusive remedy is the product purchase price. Phyton-27<sup>®</sup> is reported compatible with many registered pesticides. However, before adopting the use of additives and/or combinations for general applications, test for physical compatibility and noninjury under your conditions of use. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such or in combination with other materials as tank mix or applied separately.

**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 in a way that will contact any person or pet.

**GENERAL DIRECTIONS for use in and around Homes, Yards, Gardens, Residen-**

Not for use on plants being grown for sale or other commercial use, for commercial seed production, or for research purposes.

1. Shake well before mixing with water. Use within 48 hours after mixing.
2. Phyton-27<sup>®</sup> can be applied with any type of application equipment that gives uniform coverage of all foliage.
3. Metal equipment used for application should be brass or stainless steel.
4. Phytotoxicity: Phyton-27<sup>®</sup> has been tested on a wide variety of herbaceous and woody ornamental plants without phytotoxicity symptoms. However, because it is not possible to test all ornamental plant species, varieties and cultivars and because environmental factors and varietal stage of growth may affect phytotoxic expression, it is recommended that a small group of test plants be treated at the anticipated dosage rate and observed for 5 to 7 days to determine phytotoxicity before treating large numbers of those plants.

**SPECIFIC DIRECTIONS for Spray Applications:****Annual & Perennial Bedding Plants, Flowering Plants, Tropical Foliage Plants, & Trees, Vines & Shrubs**

Spray for thorough foliage coverage. Re-spray rates and intervals vary with severity of disease and adversity of environmental conditions. In the event of heavy disease pressure, intervals can be shortened to 3 to 5 days. Lower rates may be as effective as higher rates and should be tried first. Routine preventive programs may be maintained at the lower rates. Rates above 1 teaspoon Phyton-27<sup>®</sup> per 1 gallon water may damage some tender, open blooms. Applications on actively growing tissue may be more effective than applications on dormant tissue.

<b>Flowering Plants</b>			
such as but not limited to:			
Dosages in teaspoons Phyton-27® per 1 gallon water			
PLANT	TARGET DISEASE	RATE	
African Violet	Botrytis	0.75 - 1.0	
	Powdery Mildew		
Alstromeria	Botrytis	0.75 - 1.0	
Alyssum	Botrytis	0.75 - 1.25	
	Downy Mildew		
Azalea	Botrytis	0.75 - 2.0	
	Colletotrichum		
	Cylindrocladium		
Begonia	Botrytis	0.75 - 1.75	
	Powdery Mildew		
	Xanthomonas		
Calla lily	Botrytis	0.75 - 1.25	
	Erwinia		
Carnation	Botrytis	0.75 - 1.25	
Chrysanthemum	Botrytis	1.0 - 1.5	
	Crown Gall		
	Erwinia		
	Powdery Mildew		
	Pseudomonas		
Cineraria	Botrytis	0.75 - 1.25	
Cyclamen	Botrytis	1.0 - 1.25	
	Erwinia		
Daffodil	Botrytis	0.75 - 1.25	
Daylily	Botrytis	0.75 - 1.5	
Delphinium	Botrytis	0.75 - 1.0	
	Erwinia		
Easter lily	Botrytis	0.75 - 1.25	
Exacum	Botrytis	0.75 - 1.25	
Freesia	Botrytis	0.75 - 1.0	
Fuchsia	Botrytis	0.75 - 1.5	
	Powdery Mildew		
Geranium	Botrytis	1.0 - 3.0	
	Rust		
	Pseudomonas		
	Xanthomonas		
Gerbera	Botrytis	1.0 - 1.5	
	Powdery Mildew		
Gloxinia	Botrytis	0.75 - 1.25	
Holiday Cactus	Botrytis	0.75 - 3.0	
	Erwinia		
	Pseudomonas		
	Xanthomonas		
	Botrytis		
Hosta	Botrytis	1.0 - 1.75	
	Erwinia		
Hyacinth	Botrytis	0.75 - 1.25	
Hydrangea	Botrytis	0.75 - 1.5	
	Powdery Mildew		
Impatiens	Alternaria	0.75 - 2.0	
	Botrytis		
	Powdery Mildew		
	Pseudomonas		
	Xanthomonas		
Iris	Botrytis	0.75 - 1.25	
	Erwinia		
Kalanchoe	Botrytis	1.0-2.0	
	Erwinia		
	Powdery Mildew		
Lisianthus	Botrytis	0.75-1.25	
New Guinea Impatiens	Botrytis	0.75-1.25	
	Powdery Mildew		
Orchid	Botrytis	0.75-2.5	
	Erwinia		
	Pseudomonas		
	Xanthomonas		
Pansy	Botrytis	0.75-1.25	
	Phytophthora		
Periwinkle	Botrytis	0.75-1.25	
	Phytophthora		
Poinsettia	Botrytis	1.0-2.0	
	Erwinia		
	Powdery Mildew		
	Scab		
	Xanthomonas		
	Botrytis		
Primula	Botrytis	0.75-1.25	
	Erwinia		
Roses	Black Spot	1.0-3.0	
	Botrytis		
	Cylindrocladium		
	Downy Mildew		
	Powdery Mildew		
Snapdragon	Botrytis	0.75-1.5	
	Downy Mildew		
	Rust		
Sweet Pea	Botrytis	0.75-1.0	
Tulip	Botrytis	0.75-1.25	
Zinnia	Botrytis	0.75-1.25	
	Powdery Mildew		
	Pseudomonas		
	Xanthomonas		
Additional Annuals and Perennials:	Botrytis	0.75 - 1.5	
	Powdery Mildew		
Anemone	Aster	Carnation	Coleus
Columbine	Coneflower	Coreopsis	Cuphea
Dahlia	Daisy	Dianthus	Daylily
Delphinium	Echinacea	Hollyhock	Lantana
Liatis	Lobelia	Lupine	Marigold
Monarda	Ornamental Grasses	Pentas	Petunia
Phlox	Poppy	Primrose	Ranunculus
Rudbeckia	Salvia	Sedum	Verbena
Veronica	Vinca	Viola	

<b>Trees, Shrubs &amp; Vines</b>			
such as but not limited to:			
Dosages in teaspoons Phyton-27® per 1 gallon water			
PLANT	TARGET DISEASE	RATE	
Azalea	Anthraco-nose	0.75 - 2.0	
	Botrytis		
	Cylindrocladium		
Cherry Laurel	Xanthomonas	1.25 - 2.0	
Conifers	Botrytis	0.75 - 1.5	
	Diplodia		
Crape Myrtle	Botrytis	0.75 - 1.75	
	Powdery Mildew		
Dogwood	Botrytis	0.75 - 1.75	
	Powdery Mildew		
Elm	Erwinia	1.25 - 2.5	
Hydrangea	Botrytis	0.75 - 1.5	
	Powdery Mildew		
Indian Hawthorn	Botrytis	0.75 - 1.75	
	Entomosporium		
Japanese Maple	Botrytis	0.75 - 1.5	
	Verticillium		
	Pseudomonas		
Lilac	Botrytis	0.75 - 1.5	
	Pseudomonas		
	Powdery Mildew		
Oak	Anthraco-nose	0.75 - 2.0	
	Botrytis		
Oak Trunk Spray	Phytophthora	1.75 - 2.75	
Photinia	Entomosporium	1.0 - 1.75	
Pinus	Dothistroma	1.0 - 1.5	
Rosaceae such as: Cotoneaster, Malus, Mountain Ash, Ornamental Crabapple, Ornamental Pear, Pyracantha	Apple Scab	0.75 - 2.5	
	Botrytis		
	Fireblight		
	Pseudomonas		
Rhododendron	Botrytis	0.75 - 2.0	
	Cylindrocladium		
Rose	<i>See Flowering Plants for Rates</i>		
Sycamore	Anthraco-nose	0.75 - 2.0	
	Botrytis		
Additional Plants such as:			
<u>Shrubs/Vines</u>			
Barberry	Bougainvillea	Clematis	Cornus
Euonymus	Forsythia	Holly	Paeonia
Philadelphus	Physocarpus	Potentilla	Ribes
Rosa	Spirea	Viburnum	Weigela
<u>Wisteria</u>			
<u>Deciduous</u>			
Acer	Betula	Celtis	Cercis
Crataegus	Ficus	Fraxinus	Ginkgo
Gleditsia	Magnolia	Malus	Populus
Prunus	Pyrus	Tilia	
<u>Conifers</u>			
Abies	Juniper	Picea	Pinus
Pittosporum	Pseudotsuga	Taxus	Thuja
<u>Tsuga</u>			
<u>Non-Bearing Fruit Trees and Vines</u>			
(Do not apply to trees that will bear fruit within one year)			
Apple	Pear	Grape	Citrus

<b>Soil Drench Applications -</b>		
Dosage in teaspoons of Phyton-27® per 1 gallon water		
PLANT	TARGET DISEASE	RATE
Azalea	Cylindrocladium	1.25 - 2.0
	Rhizoctonia	
Cyclamen	Erwinia	1.0
Ferns	Rhizoctonia	1.0 - 1.75
Geranium	Botrytis	1.25 - 2.0
Impatiens	Phytophthora	1.25 - 2.0
Japanese Maple	Verticillium	1.5
Periwinkle	Phytophthora	1.0 - 1.25
Poinsettia	Rhizoctonia	1.25 - 2.0
Rhododendron	Rhizoctonia	1.25 - 2.0
Rose	Black Spot	1.25 - 2.0
	Cylindrocladium	
Spathiphyllum	Cylindrocladium	1.25 - 2.0
	Phytophthora	

<b>Tropical Foliage Plants</b>		
such as but not limited to:		
Dosages in teaspoons Phyton-27® per 1 gallon water		
PLANT	TARGET DISEASE	RATE
Ferns	Botrytis	0.75 - 1.25
	Erwinia	
Hibiscus	Botrytis	0.75 - 1.5
	Pseudomonas	
	Xanthomonas	
Ivy	Botrytis	0.75 - 3.0
	Xanthomonas	
Palms	Botrytis	0.75 - 1.5
	Erwinia	
	Pseudomonas	
	Xanthomonas	
Spathiphyllum	Botrytis	0.75 - 1.75
	Cylindrocladium	
	Phytophthora	
Tropical Foliage (general)	Botrytis	0.75 - 3.0
	Powdery Mildew	
	Erwinia	
	Pseudomonas	
	Xanthomonas	