



PM 21

9688-123

7-21-99

1 of 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL 21 1999

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Debbie Wyzlic  
R&D/Regulatory Specialist  
Chemsico  
P.O. Box 15842  
St. Louis, MO 63114

Subject: EPA Reg. No. 9688-123  
Fungicide M  
Label Amendment  
Your Submission dated May 13, 1999

Dear Ms. Wyzlic:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable provided that you:

Delete the front panel statements, "Contains ingredient used by professional landscapers nationwide" and "Can' be washed away by rain" as they are misleading. The latter, you may modify it to read like the statement on the right panel.

A stamped copy of your draft label is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment. Should you have any questions, do not hesitate to contact Dr. S. (Oonni) Oonnithan at 703-605-0368.

Sincerely,

*Mary L. Waller*

Mary L. Waller  
Product Manager 21  
Fungicide Branch  
Registration Division (7505C)

Encl.



# FUNGICIDE M

## Multi-Purpose Fungicide Concentrate

[Improved formula! • Prevents and cures all major diseases on roses, lawns, flowers, ornamental shrubs and trees • Protects fruit trees • Contains ingredient used by professional landscapers nationwide • Controls brown patch, powdery mildew, black spot, rust, blights, leaf spot, mold, scab and more • Systemic action – Can't be washed away by rain • Protects for up to 2 weeks • Water Based]

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

JUL 21 1999

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.**

9688-123

Active Ingredient:	
Myclobutanil <i>o</i> -butyl- <i>o</i> -(4-chlorophenyl)-1-H-1,2,4,	
triazole-1-propanenitrile .....	1.55%
Inert Ingredients: .....	98.45%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back [booklet] for additional precautionary statements

NET 1 PT. [473 mL]

[Chemsico Fungicide M prevents and cures all major diseases on roses, lawns, flowers, ornamental shrubs and trees. Because it works systemically, it can't be washed off by rain or sprinklers once dried and it works for weeks. Use this product throughout your yard to keep plants thriving.

*Prevents and cures . . . Black Spot, Brown Patch, Dollar Spot, Powdery Mildew, Rust, Blight, Leaf Spot . . . and more!*

### STOP. READ ALL INSTRUCTIONS INSIDE BEFORE USE.

[OPTION FOR BOOKLET LABEL:

Stop. Read all instructions inside before using. PEEL HERE PRESS TO RESEAL]

### DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. *For home use only.*



**DO NOT ALLOW PEOPLE OR PETS TO CONTACT TREATED AREAS UNTIL SPRAY HAS DRIED.**

### USE RESTRICTIONS FOR LAWNS AND ORNAMENTALS

Do not use treated plants, grass or clippings for food or feed.

NOTE: This product is non-staining to most home siding depending on age and cleanliness. However, before using in areas where the spray may contact home siding (vinyl siding in particular), test in an inconspicuous area and recheck in a few hours. Do not use if any staining is observed.

### HOW TO USE

#### 1. CHOOSE AN APPLICATION METHOD.

##### *Pump-Up Sprayer or Trigger Bottle Sprayer*

Fill with required amount of water. Add the amount of concentrate specified below. Replace sprayer top and shake well before spraying.

##### *Dial-Style Hose-End Sprayer*

Set sprayer to the "fl. oz./gallon" level specified below. Use only enough product for the area to be treated. Close sprayer, attach to hose and apply.

##### *Concentrate plus Water-Style Sprayer*

Determine the amount of concentrate required below. Pour concentrate into sprayer jar to the required "fl. oz." level. Then add the required amount of water to the "gals." level. Replace sprayer top on jar and shake well before spraying.

### USE TIPS

✓ This product is highly effective when it is used to prevent diseases or applied at the first

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sign of disease. Consider treating early in the season.

- ✓ When using this product on plants not listed, test on a small area first.
- ✓ If it rains before product has dried re-apply.
- ✓ If you need more information about lawn, ornamental and fruit tree diseases contact your local County Extension Service.
- ✓ Handy Conversions: 1/2 fl. oz. = 1 Tablespoon and 1 fl. oz. = 2 Tablespoons. Food utensils such as measuring cups and spoons must not be used for food purposes after use in measuring pesticides.

**2. TO PROTECT LAWNS**

Chemsico Fungicide M prevents and cures brown patch, copper spot, dollar spot, leaf spot (including septoria, zonate), melting out, crown rot, leaf smuts, powdery mildew, rust, red thread, Spring dead spot, necrotic ring spot and Summer patch on home lawns. For lawn application in Nassau and Suffolk counties in New York state, do not apply more than 3 times per given area per year.

**HOW TO TREAT**

Use 3 1/2 fl oz/half-gallon of water to treat 250 sq. ft. Start treating when grass begins to turn green in the spring or when signs of diseases are first noticed. For best disease control treat every 2 weeks.

**USE TIP**

- ✓ For crown rot use 3 1/2 fl. oz./gallon of water to treat 250 sq. ft.

**3. TO PROTECT ROSES, FLOWERS, ORNAMENTAL SHRUBS & TREES**

Chemsico Fungicide M prevents and cures Black spot, Blight (blossom, cercospora leaf, ovulinia petal), Leaf spot (including cercospora), Powdery mildew, Rust (including needle, fusiform), Scab (including fusicladium) and other diseases on a wide variety of roses, flowers, trees and ornamental shrubs. See table for a complete list of plants.

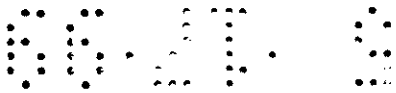
**HOW TO TREAT**

Use 1 fl. oz./gallon of water. Apply to the point when spray just begins to run off the leaves. Apply once every 2 weeks throughout the season or until conditions favoring disease development (hot, moist weather) are no longer present. Allow spray to dry before watering.

**USE TIPS**

1. Treat roses on a 7 to 10 day schedule. If black spot is not a problem, a 10 to 14 day schedule is recommended.
2. When treating azaleas, mountain laurel or rhododendrons, begin spraying when flowers start to show color.
3. When treating irises, increase use rate to 2 fl. oz./gallon of water.
4. For Douglas fir, loblolly pine and slash pine use 3 fl. oz./gallon of water. Begin treating in early spring and continue treating every 2 to 3 weeks until threat of infection has passed.

PLANT (Number following plant refers to the specific Use Tip above.)	DISEASES
Rose <sup>(1)</sup>	Black spot, Powdery mildew, Rust
Azalea <sup>(2)</sup> , Mountain laurel <sup>(2)</sup> , Rhododendron <sup>(2)</sup>	Petal blight (ovulinia spp.) Powdery mildew
Abelia, Acalypha (Copper-leaf), Catalpa, Flowering cherry, Hackberry, Honeysuckle, Privet, Trumpet creeper, Zinnia	Cercospora leaf spot, Powdery mildew
Ageratum, Anemone, Angelica, Ash, Aster, Birch, China aster, Chokeberry, Chrysanthemum, Columbine, Cornflower, Dianthus, Flowering quince, Flowering maple (Abutilon), Four o'clock, Fuchsia, Iris <sup>(3)</sup> , Marigold, Moonflower, Nine-bark, Russian olive, Smoke-tree (Gothus)	Rust
Achillea (Yarrow), Alder, Amelanchier (Juneberry, Shadbush), Barberry, Carnation, Delphinium, Gaillardia, Gardenia, Geranium, Hollyhock, Mock-orange, Pansy, Petunia, Photinia, Salvia, Snapdragon, Viburnum	Powdery mildew, Rust
African Violet, Begonia, Bittersweet, Buckeye, California poppy, Chestnut (Horse), Cosmos, Crepe myrtle, Dahlia, Elm, Euonymus, Gourd (Ornamental), Grape leaf ivy, Lilac, Locust, Maple, Oak, Poinsettia, Spirea, Sycamore, Walnut, Willow	Powdery mildew
Flowering almond	Blossom blight (Monilinia spp.)
Amorpha (False indigo), Bellflower, Buttonbush, Fleabane, Phlox, Sunflower	Cercospora leaf spot, Powdery mildew, Rust
Calendula, Hydrangea, Leucothoe	Cercospora leaf spot
Flowering crabapple, Flowering pear, Hawthorn	Powdery mildew, Rust, Scab
Dogwood	Anthracnose, Powdery mildew
Douglas fir <sup>(4)</sup>	Needle rust
Loblolly pine <sup>(4)</sup> , Slash pine <sup>(4)</sup>	Fusiform rust
Pyracantha	Fusicladium scab



[Bracketed Text] = Optional Language

3076

4086

**4. TO PROTECT FRUIT TREES**

Chemsico Fungicide M prevents and cures diseases on a variety of fruit trees. For best control of diseases on fruit trees listed below, apply Chemsico Fungicide M on a 7 to 10 day schedule.

**Apples**

To control powdery mildew, rusts and scab, mix 1/2 fl. oz./gallon of water and treat all parts of the tree until spray begins to run off. Do not treat within 2 weeks of harvest. Do not apply more than 10 times in a season.

**Apricots, Cherries, Nectarines, Peaches, Plums, Prunes**

To control brown rot, powdery mildew, shothole and rust (plums and prunes only) mix 1/2 fl. oz./gallon of water and treat all parts of tree until spray begins to run off. Treatments may be made up to the day of harvest. Do not apply more than 7 times in a season.

**5. TO PROTECT GRAPES**

Chemsico Fungicide M controls and prevents anthracnose, black rot and powdery mildew on grapes. Mix 2 fl. oz./gallon of water and treat until spray runs off the plants. Treat every 2 weeks for best control of these diseases. Do not treat within 2 weeks of harvest. Do not apply more than 6 times per season.

**OPTIONAL FORMAT**

**HOW TO USE**

Choose from one of the recommended application methods listed below.

**PUMP-UP SPRAYER OR TRIGGER BOTTLE SPRAYER**

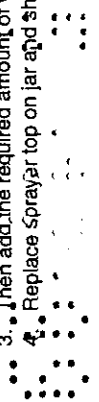
1. Fill with required amount of water below.
2. Add the amount of concentrate specified.
3. Replace sprayer top and shake well before spraying.

**DIAL-STYLE HOSE-END SPRAYER**

1. Set sprayer to the "fl. oz./gallon" level specified below.
2. Use only enough product for the area to be treated.
3. Close sprayer, attach to hose and apply.

**CONCENTRATE PLUS WATER-STYLE SPRAYER**

1. Determine the amount of concentrate required below.
2. Pour concentrate into sprayer jar to the required "fl. oz." level.
3. Then add the required amount of water to the "gals." level.
4. Replace sprayer top on jar and shake well before spraying.



[Bracketed Text] = Optional Language

**USE TIPS**

1. This product is highly effective when it is used to prevent diseases or applied at the first sign of disease. Consider treating early in the season.
2. When using this product on plants not listed, test on a small area first.
3. If it rains before product has dried re-apply.
4. If you need more information about lawn, ornamental and fruit tree diseases contact your local County Extension Service.
5. Handy Conversions: 1/2 fl. oz. = 1 Tablespoon and 1 fl. oz. = 2 Tablespoons. Food utensils such as measuring cups and spoons must not be used for food purposes after use in measuring pesticides.

**LAWNS**

Chemsico Fungicide M prevents and cures brown patch, copper spot, dollar spot, leaf spot (including septoria, zonate), melting out, crown rot, leaf smuts, powdery mildew, rust, red thread, Spring dead spot, necrotic ring spot and Summer patch on home lawns. For lawn application in Nassau and Suffolk counties in New York state, do not apply more than 3 times per given area per year.

**HOW TO TREAT**

1. Use 3 1/2 fl oz/one-half gallon of water to treat 250 sq. ft.
2. Start treating when grass begins to turn green in the spring or when signs of diseases are first noticed.
3. For best disease control treat every 2 weeks.

**USE TIP**

For crown rot use 3 1/2 fl. oz./gallon of water to treat 250 sq. ft.

**ROSES, FLOWERS, ORNAMENTAL SHRUBS & TREES**

Chemsico Fungicide M prevents and cures Black spot, Blight (blossom, cercospora leaf, ovulinia petal), Leaf spot (including cercospora), Powdery mildew, Rust (including needle, fusiform), Scab (including fusicladium) and other diseases on a wide variety of roses, flowers, trees and ornamentals. See table for a complete list of plants.

**HOW TO TREAT**

1. Use 1 fl. oz./gallon of water.
2. Apply to the point when spray just begins to run off the leaves. Apply once every 2 weeks throughout the season or until conditions favoring disease development (hot, moist weather) are no longer present.
3. Allow spray to dry before watering.

**USE TIPS**

1. Treat roses on a 7 to 10 day schedule. If black spot is not a problem, a 10 to 14 day schedule is recommended.
2. When treating azaleas, mountain laurel or rhododendrons, begin spraying when flowers start to show color.
3. When treating irises, increase use rate to 2 fl. oz./gallon of water.
4. For Douglas fir, loblolly pine and slash pine use 3 fl. oz./gallon of water. Begin treating in early spring and continue treating every 2 to 3 weeks until threat of infection has passed.

PLANT (Number following plant refers to the specific Use Tip above.)	DISEASES
Rose (1)	Black spot, Powdery mildew, Rust
Azalea (2), Mountain laurel (2), Rhododendron (2)	Petal blight (ovulinia spp.) Powdery mildew
Abelia, Acalypha (Copper-leaf), Catalpa, Flowering cherry, Hackberry, Honeysuckle, Privet, Trumpet creeper, Zinnia	Cercospora leaf spot, Powdery mildew
Ageratum, Anemone, Angelica, Ash, Aster, Birch, China aster, Chokeberry, Chrysanthemum, Columbine, Cornflower, Dianthus, Flowering quince, Flowering maple (Abutilon), Four o'clock, Fuchsia, Iris (3), Marigold, Moonflower, Nine-bark, Russian olive, Smoke-tree (Gothus)	Rust
Achillea (Yarrow), Alder, Amelanchier (Juneberry, Shadbush), Barberry, Carnation, Delphinium, Gaillardia, Gardenia, Geranium, Hollyhock, Mock-orange, Pansy, Petunia, Photinia, Salvia, Snapdragon, Viburnum	Powdery mildew, Rust
African Violet, Begonia, Bittersweet, Buckeye, California poppy, Chestnut (Horse), Cosmos, Crepe myrtle, Dahlia, Elm, Euonymus, Gourd (Ornamental), Grape leaf ivy, Lilac, Locust, Maple, Oak, Poinsettia, Spirea, Sycamore, Walnut, Willow	Powdery mildew
Flowering almond	Blossom blight (Monilinia spp.)
Amorpha (False indigo), Bellflower, Buttonbush, Fleabane, Phlox, Sunflower	Cercospora leaf spot, Powdery mildew, Rust
Calendula, Hydrangea, Leucotoxos	Cercospora leaf spot

PLANT continued	DISEASES
Flowering crabapple, Flowering pear, Hawthorn	Powdery mildew, Rust, Scab
Dogwood	Anthrachnose, Powdery mildew
Douglas fir (4)	Needle rust
Loblolly pine (4), Slash pine (4)	Fusiform rust
Pyracantha	Fusicladium scab

**FRUIT TREES**

Chemsico Fungicide M prevents and cures diseases on a variety of fruit trees. For best control of diseases on fruit trees listed below, apply Chemsico Fungicide M on a 7 to 10 day schedule.

**Apples**

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**Apricots, Cherries, Nectarines, Peaches, Plums, Prunes**

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**GRAPES**

Chemsico Fungicide M controls and prevents anthracnose, black rot and powdery mildew on grapes. Mix 2 fl. oz./gallon of water and treat until spray runs off the plants. Treat every 2 weeks for best control of these diseases. Do not treat within 2 weeks of harvest. Do not apply more than 6 times per season

**STORAGE AND DISPOSAL**

Store in cool, dry place away from heat or open flame. Do not reuse container. Securely wrap container in several layers of newspaper and discard in trash.

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**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**First Aid**

**If In Eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

**Environmental Hazards**

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

**Questions or comments?** Call 800-332-5553

Made in the USA for Chemsico, Division of United Industries Corporation, P.O. Box 15842, St. Louis, MO 63114-0842

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