



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

50534-
209

Date of Issuance:

APR 20 1995

NOTICE OF PESTICIDE:

X Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Daconil 720 Flowable
Fungicide

Name and Address of Registrant (Include ZIP Code):

ISK Biosciences Corporation
5966 Heisley Road
P.O. Box 8000
Mentor, OH 44061-8000

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Add the phrase "EPA Registration No. 50534-209" to your label before you release the product for shipment.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

Signature of Approving Official:

15

Date:

4/20/95

page 2
EPA Req. No. 50534-209

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

3960

(Proposed Package Label)

Net Contents:

Daconil 720TM Flowable Fungicide
Turf Care[®]

Turf and Ornamental Fungicide

✓ **Active Ingredient:** Chlorothalonil (tetrachloroisophthalonitrile) 54.0% ✓

✓ **Inert Ingredients:** 46.0% ✓

✓ **Total:** 100.0% ✓

✓ Contains 6.0 pounds chlorothalonil per gallon (720 grams per liter) ✓

✓ **Keep Out of Reach of Children**

WARNING - AVISO

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.)

See side panel for additional precautionary statements.

ISK Biosciences Corporation

5966 Heisley Road

P.O. Box 8000

Mentor, Ohio 44061-8000

EPA Reg. No. 50534-ENO

EPA Est. No. 50534-TX-01

DACONIL 720 and TURF CARE are Registered Trademarks of ISK Biosciences Corporation.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

APR 20 1995

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

50534-209

BEST COPY AVAILABLE

Daconil 720™ Flowable Fungicide

Read entire label carefully and use only as directed.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING - AVISO

Causes eye irritation. Harmful if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. Do not get in eyes or on clothing. Avoid breathing spray mist. DO NOT take internally.

Note to User: This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Affected persons should consult a physician.

FIRST AID

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear long sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear. For exposures in enclosed areas, applicators and other handlers must wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- * Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- * Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 apply when weather conditions favor drift from treated areas. Apply only to areas specified on label. DO NOT contaminate water when disposing of equipment washwaters.

✓ STORAGE AND DISPOSAL

✓ DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

✓ **Storage:** Store in a cool place. Protect from excessive heat.

✓ **Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

✓ **Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

60700

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use and Buyers and users of this product assume the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.

Directions For Use

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

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

SEE ENCLOSED FOLDER FOR DIRECTIONS FOR USE.

PLACE INSERT POUCH HERE

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7/1/20

(Proposed Insert Label)

Daconil 720TM Flowable Fungicide
Turf Care[®]

Turf and Ornamental Fungicide

✓ Active Ingredient: Chlorothalonil (tetrachloroisophthalonitrile)	54.0%	✓
✓ Inert Ingredients:	46.0%	✓
✓ Total:	100.0%	✓

✓ Contains 6.0 pounds chlorothalonil per gallon (720^g grams per liter)

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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 workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement 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 only apply to uses of this product 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 48 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, waterproof gloves, shoes plus socks, and protective eyewear.

DO NOT combine DACONIL 720 Flowable Fungicide in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. DO NOT combine DACONIL 720 Flowable Fungicide with Dipel 4L, Foil, Triton AG-98, Triton B-1956, Latron B-1956 or Latron AG-98 as phytotoxicity may result from the combination when applied to some species on this label.

Dipel is a registered trademark of Abbott Laboratories. Foil is a registered trademark of Ecogen Corporation. Triton AG-98, Triton B-1956, Latron B-1956 and Latron AG-98 are trademarks of Rohm and Haas Company.

The required amount of DACONIL 720 Flowable Fungicide should be added slowly into the spray tank during filling. With concentrate sprays, pre-mix the required amount of DACONIL 720 Flowable Fungicide in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations.

Golf Course Fairways, Lawns and Other Turfgrasses:

Apply DACONIL 720 Flowable Fungicide in 30 to 40 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; DACONIL 720 Flowable Fungicide should always be used in conjunction with good turf management practices.

Diseases Controlled*	Interval of Application	Application Rate Per Acre
1. Dollar spot	7-10 days 14-21 days	2 3/4 a/ to 5 1/2 pts 5 1/2 to 9 3/4 pts
2. Leaf spot, Melting-out, Brown blight	7-10 days 14-21 days	5 1/2 pts 5 1/2 to 9 3/4 pts
3. Brown patch	7-14 days	5 1/2 to 9 3/4 pts
4. Gray leaf spot	7-10 days	5 1/2 to 11 1/8 pts
5. Red thread	7-10 days	5 1/2 to 16 2/3 pts
6. Anthracnose	7-14 days	8 1/3 to 16 2/3 pts

a/ Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

Golf Course Tees, Greens and Ornamental Turfgrass:

Apply DACONIL 720 Flowable Fungicide in an adequate amount of water to provide complete coverage. This amount may vary from 90 to 450 gallons per acre. See below for suggested rates and timing. Under severe disease conditions, use the high rate and apply on a 7 day schedule.

Diseases Controlled*	Interval of Application	Rate: Liquid Ounces Per 1,000 Sq. Ft.	
		Before Disease Occurs	After Disease Has Occurred
1. Dollar spot	7-14 days	2 1/8 - 4 1/8	4 1/8 - 7 2/3
2. Brown patch	7-14 days	2 1/8 - 4 1/8	4 1/8 - 7 2/3
3. Leaf spots, Melting-out	7-10 days	2 1/8 - 4 1/8	4 1/8 - 7 2/3
4. Gray leaf spot	7-10 days	2 1/8 - 4 1/8	4 1/8 - 7 2/3
5. Red thread	7-10 days	2 1/8 - 6 1/4	6 1/4 - 7 2/3
6. Anthracnose	7-14 days	3 1/2 - 6 1/4	—
7. Copper spot	7-10 days	4 1/8 - 6 1/4	6 1/4 - 7 2/3
8. Stem rust (bluegrass)	7-14 days	4 1/8 - 6 1/4	6 1/4 - 7 2/3
9. DICHONDRA: Leaf spot (California only)	7-14 days	4 1/8 - 6 1/4	6 1/4 - 7 2/3

*Diseases listed are caused by fungi, some of which are named as follows:

1. Dollar spot: *Sclerotinia homeocarpa*; *Lanzia* or *Moellerodiscus* spp.
2. Brown patch: *Rhizoctonia solani*, *R. zeae*, *R. cerealis*
3. Leaf spots, Melting-out, Brown blight: *Drechslera* spp. (including *D. poae*, *D. siccans*), *Bipolaris sorokiniana*, *Curvularia* spp.
4. Gray leaf spot: *Pyricularia grisea*, *P. oryzae*
5. Red thread *Laetisaria fuciformis*
6. Anthracnose: *Colletotrichum graminicola*
7. Copper spot *Gloeocercospora sorghi*
8. Stem rust *Puccinia graminis*
9. Dichondra leaf spot *Alternaria* spp

11 of 20

Gray snow mold caused by *Typhula* spp. – Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 square feet). Apply 5 1/2 to 11 1/8 fluid ounces of DACONIL 720 Flowable Fungicide per 1,000 square feet of turf area. Application must be made before snow cover in autumn. Use the higher rate if turf layer remains frozen prior to snow cover. If snow cover is intermittent or lacking during the winter, re-apply DACONIL 720 Flowable Fungicide at 5 1/2 fluid ounces per 1,000 square feet at monthly intervals until gray snow mold conditions no longer prevail. In areas where pink snow mold (*Gerlachia* or *Fusarium* patch) is likely to occur, apply DACONIL 720 Flowable Fungicide at 5 1/2 fluid ounces per 1,000 square feet in combination with products containing either benomyl at 1 ounce active ingredient per 1,000 square feet, or iprodione at 1 3/8 ounces active ingredient per 1,000 square feet of turf area. Read and observe all label directions for products containing these active ingredients.

Fusarium (*Gerlachia*) Patch: For control of *Fusarium* patch only in areas where snow cover is intermittent or lacking during the winter, apply 5 1/2 to 9 3/4 fluid ounces of DACONIL 720 Flowable Fungicide per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals until conditions favorable for *Fusarium* patch no longer prevail.

Algal Scum: For prevention of algal scum on turfgrasses caused by cyanobacteria of the genus *Lyngbia*, apply DACONIL 720 Flowable Fungicide at the rate of 2 1/8 to 4 1/8 ounces per 1,000 square feet on a 7 to 14 day schedule. Under severe scum conditions, use the high rate and apply on a 7 day schedule. When algal scum is well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with DACONIL 720 Flowable Fungicide applications at the rate of 4 1/8 to 7 2/3 ounces per 1,000 square feet on a 7 to 14 day schedule. Several applications of DACONIL 720 Flowable Fungicide at the high rate may be necessary for turfgrass recovery. Only a preventive spray program with DACONIL 720 Flowable Fungicide will prevent a recurrence of the algae when environmental conditions are favorable for algal growth.

Ornamental Plants:

Apply DACONIL 720 Flowable Fungicide at a rate of 1 3/8 pints per 100 gallons of water unless other directions are given in the tables below. Apply in a spray to run-off, when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply DACONIL 720 Flowable Fungicide at 7 day intervals. DACONIL 720 Flowable Fungicide should be applied to plants when both foliage and flowers are dry, or nearly dry.

DO NOT combine DACONIL 720 Flowable Fungicide in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination to be physically compatible, effective and noninjurious under your conditions of use.

DACONIL 720 Flowable Fungicide may be used in greenhouses. DO NOT use mistblowers or high pressure spray equipment when making applications of DACONIL 720 Flowable Fungicide in greenhouses.

Use of DACONIL 720 Flowable Fungicide is recommended for control of fungal diseases referred to by numbers in parentheses following each ornamental. Ornamentals listed on this label have been tested and found to tolerate applications of DACONIL 720 Flowable Fungicide at the recommended rates. The user should test for possible phytotoxic responses, using recommended rates on ornamental plants on a small area prior to commercial use. Applications made during bloom may damage flowers and/or fruits.

Fruits and other structures which may be borne on treated plants MUST NOT BE EATEN.

Ornamentals Recommended for Treatment With DACONIL 720 Flowable Fungicide

BROADLEAF SHRUBS AND TREES

Andromeda (Pieris) (4)
Ash (Fraxinus) (1)
Aspen (1)
Azalea (1,2,4)
Buckeye, Horsechestnut (1)
Cherry-Laurel (1)
Crabapple (1,6,8)
Dogwood (1)
Eucalyptus (3)
Euonymus (1)
Firethorn (Pyracantha) (1)
Flowering Almond (1,2)
Flowering Cherry (1,2)
} Flowering Peach (1,2)
} Flowering Plum (1,2)
} Flowering Quince (1,2)
Hawthorn (1,6)
Holly (1)
Lilac (5)
Magnolia (1)
Maple (1)
Mountain Laurel (1)
Oak (red group only) (1,7)
Oregon-Grape (Mahonia) (6)
Photinia (1)
Poplar (1)
Privet (Ligustrum) (1)
} Rhododendron (1,2,4)
} Sand Cherry (1,2)
Sequoia (1)
Spiraea (1)
Sycamore, Planetree (1)
Viburnum (5)
Walnut (Juglans) (1)

FLOWERING PLANTSa/ and BULBS

Arabian Violet (2)
Begonia (1)
Camellia (2)
Carnation (1,2)
Chrysanthemum (1,2)
Crocus (1)
Daffodil (1)
Daisy (1)
Geranium (1,6)
Gladiolus (1,2)
Hollyhock (6)

Hydrangea (foliage only) (1,6)
 Iris (1,2)
 Lily (1)
 Marigold (1)
 Narcissus (1)
 Pansy (1)
 Petunia (1,4)
 Phlox (1)
 Poinsettia b/(1)
 Rose c/(1)
 Statice (1)
 Tulip (1)
 Zinnia (1,5)

a / Avoid applications during bloom period on plants where flower injury is unacceptable.

b / Discontinue applications prior to bract formation; phytotoxicity is possible on the bracts.

c / Use 1 pint per 100 gallons of water.

FOLIAGE PLANTS

Aglaonema (1)
 Areca palm (1)
 Artemesia (1)
 Boston fern (1)
 Dumbcane (Diffenbachia) (1)
 Dracaena (1)
 Fatsia (Aralia) (1)
 Ficus (1)
 Florida Ruffle Fern (1)
 Leatherleaf Fern (1)
 Lipstick plant (1)
 Ming aralia (1)
 Oyster plant (Rhoeo) (1)
 Pachysandra d/(1)
 Parlor palm
 (Chamaedorea) (1)
 Peperomia (1)
 Philodendron (1,4)
 Prayer plant (Maranta) (1)
 Syngonium (1)
 Zebra plant (Aphelandra) (1)

d / Use 2 3/4 pints of DACONIL 720 Flowable Fungicide per 100 gallons of water.

Diseases Controlled with DACONIL 720 Flowable Fungicide

1 Leafspots/Foliar Blights:

Actinopelte leafspot
 Alternaria leafspot/
 leaf blight

Anthracnose
 leaf blotch, spot
 Anthracnose
 (Discula) blight
 Ascochyta blight
 Bipolaris (Helminthosporium) leafspot
 Botrytis leafspot, leaf blight
 Cephalosporium leafspot
 Cercospora leafspot
 Cercosporidium leafspot
 Coryneum blight (shot-hole)
 Corynespora leafspot
 Curvularia leafspot
 Cylindrosporium leafspot
 Dactylaria leafspot
 Didymellina leafspot
 Drechslera leafspot

} Fabraea (Entomosporium) leafspot
 Fusarium leafspot
 Gloeosporium black leafspot
 Ink spot (Drechslera)
 Marssonina leafspot
 Monilinia blossom blight, twig blight
 Mycosphaerella ray blight
 Myrothecium leafspot, brown rot
 Nematostoma leaf blight
 Phyllosticta leafspot
 Rhizoctonia web blight
 Ramularia leafspot
 Septoria leafspot
 Sphaeropsis leafspot
 Stagonospora leaf scorch
 Tan leafspot (Curvularia)
 } Volutella leaf blight

2. Flower spots/blights:

Botrytis flower spot,
 flower blight
 Curvularia flower spot
 Monilinia blossom blight

Ovulinia flower blight
 Rhizopus blossom blight
 Sclerotinia flower blight

3. Cylindrocladium stem canker

4. Phytophthora leaf blight, dieback

5. Powdery mildews:

Erysiphe cichoracearum
 Microsphaera spp

6. Rusts:

Gymnosporangium spp.
Puccinia spp.
Pucciniastrum hydrangeae

7. Taphrina blister

8. Scab (Venturia inaequalis)

The following ornamental plant species which have been tested with DICONIL 720 Flowable Fungicide at recommended rates did not exhibit phytotoxicity:

Botanical Name	Common Name
Aechmea fasciata	Aechmea
Araucaria heterophylla	Norfolk Island Pine
Asplenium nidus	Birdnest Fern
Bougainvillea spp.	Bougainvillea
Caladium spp.	Caladium
Calathea makoyana	Peacock plant
Calistephus chinensis	Aster
Carissa grandiflora	Natal plum
Clerodendron thomsonae	Bleeding Heart
Codiaeum spp.	Croton
Cordyline terminalis	Ti Plant
Crassula argentea	Jade Plant
Cyrtanthium falcatum	Holly Leaf Fern
Dionaea muscipula	Venus Fly Trap
Dizygotheca elegantissima	False Aralia
Epipremnum aureum	Golden Pothos, Scindapsus
Episcia cupreata	Flame Violet
Fittonia spp.	Silver-nerve Plant
Gerbera jamesonii	Gerbera Daisy
Gynura sarmentosa	Purple Passion Vine
Gypsophila paniculata	Baby's Breath
Hoya spp.	Wax Plant
Ilex cornuta	Chinese Holly
Ilex crenata	Japanese Holly
Impatiens spp.	Impatiens
Pilea cadieri	Aluminum Plant
Platycentrum spp.	Staghorn Fern
Sansevieria trifasciata "Hahnii"	Birdsnest Sansevieria
Tolmeia menziesii	Piggy-back Plant
Yucca elephantipes	Spineless Yucca
Zygocactus truncatus	Christmas Cactus

NOTE: DO NOT apply DICONIL 720 Flowable Fungicide to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses

CONIFERS: Apply DACONIL 720 Flowable Fungicide in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. Application with ground equipment is preferable to aerial application because ground applications generally give better coverage of the tree canopy. If application with ground equipment is not feasible, DACONIL 720 Flowable Fungicide may be applied with aircraft using at least 20 gallons per acre. When concentrate sprays are used or when treating non-bearing or immature trees, the lower rate of DACONIL 720 Flowable Fungicide listed may be used. DO NOT allow livestock to graze in treated areas. The following spray volumes are recommended as gallons of spray per acre:

	Dilute	Concentrate
Forest stands	Not used	10 to 20 (aircraft)
Christmas trees	100	10 to 50 (aircraft or ground equipment)
Nursery beds	100	5 to 10 (ground equipment only)

Disease Controlled	Daconil 720 Per Acre	Rate Per 100 Gal*	Application Directions
Swiss needlecast	2 3/4 to 5 1/2 pts	2 3/4 to 5 1/2 pts	Single application technique: In O plantations or forest stands make one application in spring when new shoot growth is 1 inch in length.
Scleroderris canker (pines), Swiss needlecast (Douglas-fir)	1 3/8 to 2 3/4 pts	1 3/8 to 2 3/4 pts	Make the first application in spring when new shoot growth is 1/2 to 2 inches in length. Repeat applications at 3 to 4 weeks intervals until no longer favor disease development. In nursery beds, apply the highest rate on a 3 week schedule.
Sirococcus tip blight	2 1/8 to 3 1/2 pts	2 1/8 to 3 1/2 pts	
Rhizosphaera needlecast (spruces), Scirrhia brown spot (pines)	5 1/2 pts	5 1/2 pts	
Cylaneusma and Lophodermium needlecasts (pines)	2 3/4 to 5 1/2 pts	2 3/4 to 5 1/2 pts	Apply in early spring prior to budbreak. Repeat applications at approximately 6 to 8 week intervals until spore release ceases in late fall. Applications should be continued during periods of frequent rain fall, and when infections occur during dormancy. During drought periods, applications should be then resumed upon next occurrence.
Rhabdocline needlecast (Douglas-fir)	1 3/8 to 2 3/4 pts	1 3/8 to 2 3/4 pts	Apply at budbreak and repeat at 3 to 4 week intervals until needles are fully elongated and no longer favor disease development. In plantations, repeat provenance, or when irregular budbreak occurs, weekly until all trees have broken bud. Repeat weekly as specified above. In nursery beds, apply at rate on a 3 week schedule.
Botrytis seedling blight Phoma twig blight	1 3/8 to 2 3/4 pts	1 3/8 to 2 3/4 pts	Begin applications in nursery beds when seedlings are 12 inches tall and when cool, moist conditions favor disease development. Make additional applications at intervals as long as disease favorable.

* Volumetric rates to be used only with full dilute spray volume specified on this label.

DO NOT apply this product through irrigation systems connected to a public water system. "Public water system" means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject DACONIL 720 Flowable Fungicide into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Do not apply when wind speed favors drift beyond the area intended for treatment.

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

18

All words shall consist of letters at least 2-1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

This sign is in addition to any sign posted to comply with the Worker Protection Standard.

DACONIL 720 Flowable Fungicide may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered.

Thoroughly mix recommended amount of DACTONIL 720 Flowable Fungicide for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until DACTONIL 720 Flowable Fungicide has been cleared from last sprinkler head.

B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of DACTONIL 720 Flowable Fungicide for acreage to be covered with water so that the total mixture of DACTONIL 720 Flowable Fungicide plus water in the injection tank is equal to the quantity of water used during calibration, and operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. Agitation is recommended. DACTONIL 720 Flowable Fungicide can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until DACTONIL 720 Flowable Fungicide has been cleared from last sprinkler head.

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✓ **STORAGE AND DISPOSAL**

✓ **DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

✓ **Storage:** Store in a cool place. Protect from excessive heat.

✓ **Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

✓ **Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use and Buyers and users of this product assume the risk of any use contrary to such directions. **SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.** In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.

20