

Reg # 100-721

PM-21

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (N7505C)
401 M St., S.W.
Washington, D.C. 20461

EPA Reg. Number:
100-721

Date of Issuance:
SEP 30 1972

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Funginex

(under FIFRA, 3as amended)

Name and Address of Registrant (include ZIP Code):

Ciba-Geigy Corporation
P.O. Box 18300
Greensboro, North Carolina 27419-8300

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. Revise the label by adding the phrase 'EPA Registration No. 100-721'.

3. Submit five copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Signature of Approving Official:

Date:

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(C-G REGISTRATION)

ACCEPTED
with COMMENTS
in EPA L Dated:

SEP 30 1992

Under the Fungicide, and Act as Fungicide, amended, for Fungicide registered under No. 100-721

CIBA-GEIGY
Funginex®

Fungicide

One Gallon
U.S. Standard Measure

Active Ingredient:

Triforine (N, N'-(1,4-piperazinediyl-bis (2,2,2-trichloroethylidene))-bis-[formamide])	18.2%
Inert Ingredients	81.8%
Total	100.0%

EPA Reg. No. 100-

EPA Est. 100-AL-1

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

PRECAUCIÓN AL USUARIO:

Si usted no lee inglés, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

See additional precautions inside booklet.

CGA 113L

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure. An example of such information is given under written warnings. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

DANGER:

Area treated with Funginex® on (insert date). Do not enter without appropriate protective clothing until sprays have dried (insert State Department of Agriculture's reentry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

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Chemigation

Apply this product only through the following type of system: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

When mixing with other pesticides or fluid fertilizers agitation is recommended for mixing.

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 areas are open to the public such as golf courses or retail greenhouses.

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.

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.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at

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least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Sprinkler Irrigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

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 pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Precautions: 1) Do not graze animals in treated orchards. 2) Because timing of fungicide applications for disease control varies due to climatic and other conditions, consult Agricultural Experiment Station or State Extension Service Specialist to determine appropriate treatment timing. 3) Do not use this material if it cannot be applied according to the use pattern on this label. 4) Do not mix Funginex with wetting agents, spreader-stickers or other adjuvants. 5) Do not let spray mixture stand in tank overnight.

Almonds: Brown Rot Blossom Blight (*Monolinia* spp.) (California Only)

Apply a mixed solution of 12 fl. oz. of Funginex per 100 gallons of water; spray to run-off. Or, for low volume application, apply a mixed solution of 36-48 fl. oz. of Funginex in 50-200 gallons of water per acre. Make the first application at pink bud and the second at 50-100% bloom. Do not exceed two applications. Do not apply after petal fall.

Apples: Scab (*Venturia inaequalis*), Powdery Mildew (*Podosphaera leucotricha*), and Rust (*Gymnosporangium* spp.)

For full coverage spray only, mix 10 fl. oz. of Funginex per 100 gallons of water and apply to run-off. For low volume sprayers, apply 36-40 fl. oz. of undiluted Funginex per acre per application in sufficient water (50-200 gallons of water per acre). For aerial application, apply 36-40 fl. oz. of Funginex in a minimum of 20 gallons of water per acre. Complete coverage is essential to insure adequate control. Make first application at 1/2 inch green tip and repeat every 7 days for a preventive control program. Do not apply after petal fall. Do not exceed a total of 5 applications per growing season. Consult Agricultural Experiment Station or State Extension Service Specialist for use of Funginex in an apple scab monitoring control program.

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Apricots, Cherries, Nectarines, Peaches, Plums and Prunes:
Brown Rot Blossom Blight (Monilinia spp.)

For full coverage spray only, mix 12-16 fl. oz. of Funginex per 100 gallons of water and apply to run-off. For low volume sprayers apply 36-48 fl. oz. of undiluted Funginex per acre per application in sufficient water (50-200 gallons of water per acre). For aerial application, apply 36-48 fl. oz. of Funginex in a minimum of 20 gallons of water per acre. Complete coverage is essential to insure adequate control. Make first application at early bloom (peaches, nectarines: pink bud; apricots: red bud; cherries, plums, prunes: white bud or popcorn). Repeat after 50% bloom. If necessary, depending upon the length of the bloom period and conditions favoring brown rot blossom blight development, make a third application at early petal fall. Alternately, if warm, wet weather prevails, apply the 2 or 3 applications at 2-4 day intervals beginning at early bloom, since blossom period will be shortened. Do not exceed 3 sprays of Funginex during the blossom period. The higher rate of Funginex is only necessary under conditions of severe disease pressure.

California only: For full coverage spray only, mix 12 fl. oz. of Funginex per 100 gallons of water and apply to run-off. For low volume sprayers, apply 36 to 48 fl. oz. of undiluted Funginex per acre per application in sufficient water (50 to 200 gallons of water per acre). For aerial application, only 36 to 48 fl. oz. of Funginex in a minimum of 20 gallons of water per acre. Complete coverage is essential to insure adequate control. Make first application on peaches and nectarines at pink bud to 5% bloom, on apricots at red bud, on cherries, plums and prunes at popcorn or white bud, followed by a second application at 50-100% bloom. Do not exceed two sprays of Funginex during the blossom period.

Nectarines, Peaches: Brown Rot, Fruit Rot (Monilinia spp.)

For full coverage spray only, mix 12-16 fl. oz. of Funginex per 100 gallons of water and apply to run-off. For low volume sprayers, apply 36-48 fl. oz. of undiluted Funginex per acre per application in sufficient water (50-200 gallons of water per acre). For aerial application, apply 36-48 fl. oz. of Funginex in a minimum of 20 gallons of water per acre. Complete coverage is essential to insure adequate control. Make the first application 2-3 weeks before harvest and repeat in 5-10 days. Make a third application just prior to harvest. Do not exceed 3 sprays of Funginex during the pre-harvest period. The higher rate of Funginex is only necessary under conditions of severe disease pressure.

California Only:

For full coverage spray only, mix 12 fl. oz. of Funginex per 100 gallons of water and apply to run-off. For low volume

sprayers, apply 36-48 fl. oz. of undiluted Funginex per acre per application in sufficient water (50-200 gallons of water per acre). For aerial application, apply 36-48 fl. oz. of Funginex in a minimum of 20 gallons of water per acre. Complete coverage is essential to insure adequate control. Make first application 2-3 weeks before harvest and repeat in 5-10 days. Do not exceed 2 sprays of Funginex during the pre-harvest period.

Asparagus: Asparagus Rust (Puccinia asparagi) (California and Arizona only)

Apply 10-20 fl. oz. of Funginex per acre in 20-50 gallons of water for ground application or in 5 gallons of water for aerial application. Apply at 7-14 day intervals. Adjust application rate and intervals depending on the severity of rust infection and climatic conditions favorable for rust sporulation. For application through sprinkler irrigation systems, apply in 0.12 acre inch of water through sprinkler systems during the last few minutes of irrigation in 150-200 gallons of water per acre. Apply to asparagus ferns only. Do not make more than 7 applications per growing season. Do not harvest spears within 24 weeks of the last fern application.

Highbush Blueberries: Mummyberry Disease (Monilinia vaccinicorymbosi) Pacific and Midwestern States

Apply 24 fl. oz. of Funginex per acre in 20-50 gallons of water for ground application or in 5 gallons of water for aerial application. Make the first application at leaf bud break and repeat in 7-10 days. Make the third application at pink bud stage and repeat in 7-10 days at early bloom. For the last application, apply 16 fl. oz. of Funginex per acre in 20-50 gallons of water for aerial application. Make the last application between full bloom and early petal fall. Do not make more than 5 applications from leaf bud break to early petal fall.

Eastern Seaboard States (for primary infection only)

Apply 24 fl. oz. of Funginex per acre in 20-50 gallons of water for ground application or in 5 gallons of water for aerial application. Make the first application at leaf bud break and repeat in 7-10 days. Make the last application at pink bud stage. Do not make more than 3 applications from leaf bud break to pink bud stage. Application of Funginex during or beyond early bloom may result in fruit russetting.

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Storage and Disposal

Pesticide Storage

Do not store below 32°F (0°C).

Keep out of reach of children and animals. Store in original container only. Store in a cool, dry place and avoid excess heat. Carefully open container. After partial use, replace lid and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.


Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

) Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or burn, if allowed by state and local authorities. Stay out of smoke from burning container.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 day or night.

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Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive, causes irreversible eye damage. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Harmful if swallowed, inhaled, or absorbed through skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

If in eyes: Flush with plenty of water for 15 minutes and get medical attention.

If swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention or call Poison Control Center.

If inhaled: Remove patient from contaminated area and get medical attention. If not breathing, give artificial respiration, preferably mouth to mouth.

If on skin: Remove contaminated clothing and wash skin with soap and water. Get medical attention.

Environmental Hazards

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

Physical and Chemical Hazards

Do not use or store near heat or open flame.

Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA 113L

Funginex® is a registered trademark

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CIBA-GEIGY

Funginex®

One Gallon
U.S. Standard Measure
Fungicide

Active Ingredient:

Triforine (N, N'-[1,4-piperazinediyl-bis (2,2,2-trichloroethylidene)]-bis-[formamid])	18.2%
Inert Ingredients	81.8%
Total	100.0%

EPA Reg. No. 100-

EPA Est. 100-AL-1

Chemigation

Refer to section entitled Chemigation in booklet for chemigation use directions. Do not apply this product through any irrigation system unless the directions for chemigation are followed.

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CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA 113L

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

PRECAUCIÓN AL USUARIO:

Si usted no lee inglés, no use este producto hasta que le etiqueta haya sido explicado ampliamente.



Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive, causes irreversible eye damage. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Harmful if swallowed, inhaled, or absorbed through skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reusing.

Statement of Practical Treatment

If in eyes: Flush with plenty of water for 15 minutes and get medical attention.

If swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention or call Poison Control Center.

If inhaled: Remove patient from contaminated area and get medical attention. If not breathing, give artificial respiration, preferably mouth to mouth.

If on skin: Remove contaminated clothing and wash skin with soap and water. Get medical attention.

Environmental Hazards

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 contaminate equipment when disposing of equipment wash waters.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

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