



62719-441

2-22-2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

FEB 22 2002

Kimberly Gilbert
Dow AgroSciences, LLC
9330 Zionsville Road
Indianapolis, IN 46268

SUBJECT: Proposed Amended Labeling - Add Cucurbits and Tomatoes
Gavel 75DF
EPA Registration No. 62719-441
Your Submission Dated December 13, 2001

Dear Ms. Gilbert:

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. A revised label (Section B) for Gavel™ 75 DF Agricultural Fungicide must be submitted for tomatoes and cucurbits to specify a 30-day plantback interval for rotational crops.
 - b. Incorporate the spray drift language as requested in our March 21, 2001 letter. All label changes were agreed upon in the Rohm and Haas letter dated March 26, 2001 except double notification for potatoes.
 - c. Please revise your Agricultural Use Requirements box to include these new crops.

AGRICULTURAL USE REQUIREMENTS

Tomatoes and Cucurbits

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, wear: coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear and chemical-resistant gloves made of any waterproof material.

DOUBLE NOTIFICATION: Notify workers that the area has been treated with a pesticide that is a dermal sensitizer by warning them orally and by posting warning signs at the entrances to the treated areas. The signs must be posted in place for 4 days after the end of application and must state that the area has been treated with a dermal sensitizer. In addition, the following text must appear on the signs: "If an allergic skin reaction (rash, redness, swelling, itchiness) or asthma symptoms or rhinitis occurs following use of this product, report the incident to XXXXX"

3. As a condition of registration you must provide the following data:

- a. The methods are adequate for a conditional registration pending successful validation results and comments from the Analytical Chemistry Branch. You are required to make any modifications or revisions resulting from the validation.
- b. Additional supporting storage stability data are required for residues of zoxamide in/on cucurbit vegetables stored 15.6 months, tomato fruit stored 15.2 months and tomato paste and puree stored 11.5 months.
- c. Based on the submitted data, the Agency has concluded that a tolerance level of 1.0 ppm is adequate for residues of zoxamide per se in/on "Crop Group 9: Cucurbit Vegetables Group". As the petitioner has proposed a tolerance level of 2.0 ppm for residues of zoxamide in/on "cucurbit vegetables group", a revised Section F is required for our records..
- d. Pending submission of confirmatory storage stability data and revised Section B/label, the Agency concludes that the petitioner has provided adequate data reflecting the maximum proposed use pattern of zoxamide on tomatoes.
- e. A subchronic inhalation study is required.
- f. Zoxamide is a dermal sensitizer. Although there is no provision in the WPS, this chemical warrants double notification for postapplication workers (i.e., written notice on signs around the field and verbal notification to those re-entering a field) as well as a good product stewardship plan.

As part of the Product Stewardship plan, you are required to include additional notification on your product labels to alert workers of the dermal sensitization and potential inhalation sensitization. Once the plan has been approved by the agency, you are required to submit to the Agency monitoring and recording of any incidents related to inhalation or dermal sensitization. You will be required to submit **bi-annual reports** (June and December) each year after the registration of all products that contain Zoxamide.

Submit one (1) copy of your final printed labeling before you release the product for shipment. 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 bearing the amended labeling constitutes acceptance of these conditions.

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

Please note for your other products containing zoxamide, the Agency needs a revised Section B for Zoxium™ 80W Agricultural Fungicide; Zoxium™ 80WSP Agricultural Fungicide In Water-Soluble Pouch Product. You must specify a 30-day plantback interval for rotational crops.

Sincerely yours,



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

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Base Label:

(Logo) Dow AgroSciences

Gavel* 75DF

A broad-spectrum protectant fungicide for disease control in potatoes, grapes, cucurbits and tomatoes

Active Ingredients

Mancozeb: A coordination product of zinc ion and manganese ethylene bisdithiocarbamate ...	66.7%
In which the ingredients are:	
Manganese ⁺⁺	13.3%
Zinc ⁺⁺	1.7%
Ethylene bisdithiocarbamate ion (C ₄ H ₆ N ₂ S ₄)-	51.7%
Zoxamide: 3,5-Dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-4-methylbenzamide	8.3%
Inert Ingredients	25.0%
Total	100.0%

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

FEB 22 2002

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

62719-441

Keep Out of Reach of Children

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes Moderate Eye Irritation

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse. This product is a dermal sensitizer.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on the EPA chemical resistance category selection chart.

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Chemical-resistant apron when cleaning equipment, mixing or loading

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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.

During aerial application, human flaggers must be in enclosed cabs. When handlers use enclosed cabs or aircraft in a manner that meet the requirements listed in the Worker Protection Standards(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 PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. **This product is a dermal sensitizer. If an allergic skin reaction (rash, redness, swelling, Itchiness) or asthma symptoms or rhinitis occur following the use of this product, report the incident to: the hot line number listed below.**

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or disposing of wastes.

Agricultural Use Requirements

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

Refer to label booklet for Directions for Use including Storage and Disposal.

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Notice: Read the entire label. Use only according to label directions. **Before using this product, read "Warranty Disclaimer," "Inherent Risks of Use," and "Limitation of Remedies" at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-441

EPA Est. _____

*Trademark of Dow AgroSciences LLC
Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Made in France

Fungicide

Net Weight __ lb

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Label Booklet:

(Logo) Dow AgroSciences

Gavel* 75DF**A broad-spectrum protectant fungicide for disease control in potatoes, grapes, cucurbits and tomatoes****Active Ingredients**

Mancozeb: A coordination product of zinc ion and manganese ethylene bisdithiocarbamate ...	66.7%
In which the ingredients are:	
Manganese ⁺⁺	13.3%
Zinc ⁺⁺	1.7%
Ethylene bisdithiocarbamate ion (C ₄ H ₆ N ₂ S ₄)-	51.7%
Zoxamide: 3,5-Dichloro-N-(3-chloro-1-ethyl-1- methyl-2-oxopropyl)-4-methylbenzamide	8.3%
Inert Ingredients	25.0%
Total	100.0%

Keep Out of Reach of Children**CAUTION****Agricultural Use Requirements**

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

Refer to inside of label booklet for Precautionary Statements and Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. Before using this product, read "Warranty Disclaimer," "Inherent Risks of Use," and "Limitation of Remedies" at end of label booklet. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-441

EPA Est. _____

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Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Made in France

Fungicide

Net Weight __ lb

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Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION**Causes Moderate Eye Irritation**

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse. This product is a dermal sensitizer.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on the EPA chemical resistance category selection chart.

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Chemical-resistant apron when cleaning equipment, mixing or loading

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.

During aerial application, human flaggers must be in enclosed cabs. When handlers use enclosed cabs or aircraft in a manner that meet the requirements listed in the Worker Protection Standards(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 PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. **This product is a dermal sensitizer. If an allergic skin reaction (rash, redness, swelling, itchiness) or asthma symptoms or**

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rhinitis occur following the use of this product, report the incident to: the hot line number listed below.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or disposing of wastes.

Directions for use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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 requirements 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 over long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Socks and chemical-resistant footwear

For Grapes

Notify workers that the area has been treated with a pesticide that is a dermal sensitizer by warning them orally and by posting warning signs at the entrances to the treated areas. The signs must be posted for 24 hours before the scheduled application and remain in place for 4 days after the end of the application and must state that the area has been treated with a dermal sensitizer. In addition, the following text must appear on the signs: "If an allergic skin reaction (rash, redness, swelling, itchiness) or asthma symptoms or rhinitis occurs following the use of this product report the incident to Dow AgroSciences at 1-800-992-5994."

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For Potatoes

Notify workers that the area has been treated with a pesticide that is a dermal sensitizer by warning them orally. If an allergic skin reaction (rash, redness, swelling, itchiness) or asthma symptoms or rhinitis occurs following the use of this product report the incident to Dow AgroSciences at 1-800-992-5994.

Storage and Disposal:

Storage: Keep away from fire and sparks. Store in a cool, dry, well-ventilated area. Do not allow to become wet or overheated in storage: decomposition, impaired activity, or fire may result. Keep container closed when not in use.

Pallets of containers should not be stacked more than three high. Provide access aisle for each two rows. Decomposition produces a foul odor; if observed, check for hot containers and immediately remove to open areas for disposal.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Then dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Steps to be Taken in Case Material is Released or Spilled: Sweep or shovel into containers for disposal or reworking. Keep dusting to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit. Refer to Precautionary Statements.

General Use Information

Gavel 75DF is a broad-spectrum protectant fungicide. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program. The addition of an agricultural surfactant will improve fungicide performance by providing a more uniform spray deposit, increased foliar redistribution, and improved fungicide retention during periods of wet weather.

Use Rate Determination

- Carefully read, understand, and follow label use rates and restrictions.
- Under low disease conditions, minimum label rates per application can be used while maximum label rates and the minimum interval may be used for severe or threatening disease conditions.
- For proper application, determine the number of acres to be treated, the recommended label use rate and the gallonage to be applied per acre. Prepare only the amount of spray solution required to treat the measured acreage. Careful calibration of spray equipment is recommended prior to use.

Mixing

Slowly place into spray tank as it is being filled or thoroughly premix in a nurse tank for concentrate or aircraft sprayers. Add other co-applied fungicides, insecticides, growth regulators, micronutrients, and spray adjuvants after Gavel 75DF fungicide has been placed into suspension.

Compatibility

Gavel 75DF fungicide is compatible with most commonly used agricultural fungicides, insecticides and growth regulators. When preparing tank mixes, user should consult spray compatibility charts or State Cooperative Extension Service Specialists prior to actual use.

When using Gavel 75 DF fungicide in a tank mixture, observe all directions for use, precautions and limitations, which appear on the tank mix partner label.

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Spray Adjuvants

The addition of agricultural surfactants to Gavel 75DF fungicide sprays will improve initial spray deposits, fungicide redistribution and weatherability. The following spray adjuvants have been especially formulated to optimize the performance of foliar-applied agricultural chemicals:

- Latron B-1956[®] -A water-dispersible, resin-based nonionic surfactant that resists re-wetting and removal by rain. Effective with dilute sprays applied by ground equipment.
- LATRON CS-7[®] -A spreader-binder designed specifically for use in concentrate and low volume sprays applied by aircraft or ground equipment.

Place Gavel 75DF fungicide into suspension prior to adding an adjuvant to the spray mixture. Read and carefully observe the precautionary statements and all other information appearing on both product labels prior to spray preparation.

Application

Ground: Thorough coverage foliar sprays generally result in optimum disease control. To achieve good coverage use proper spray pressure, gallonage per acre, nozzles (generally hollow cone), disc (generally D-5 to D-7), nozzle spacing, and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

Aerial: A uniform initial spray deposit over the crop canopy generally results in optimum disease control. Each aircraft should be pre-checked for droplet size, uniformity of spray pattern, swath width, and spray volume. During aerial application, human flaggers are prohibited unless in totally enclosed vehicles.

Nozzle selection: Hollow cone brass nozzles with a D-series orifice disc and core (whirl plate) are recommended. Nozzles should point straight down or slightly backward.

Swath width: For most field and vegetable crops, swaths just beyond the wingspan of 36 to 40 feet for light aircraft and up to 45 feet for heavier aircraft are suggested. Optimum swath for helicopters is usually 5 to 10 feet beyond normal boom length.

Spray volume: Aerial applications are to be made in a minimum of two (2) gallons of water per acre. On potatoes, 2 to 3 gallons of spray per acre are generally optimum; vineyards can be handled with spray volumes of 5 gallons per acre. Some tall or dense vines, requiring greater penetration to the lower leaf surface will require higher spray volumes. **DO NOT USE LESS THAN 5 GALLONS PER ACRE IN CALIFORNIA.**

Altitude: The spray boom should be positioned in 5 to 10 feet above the crop canopy.

Flagging: Swaths should be marked at the end of the field with permanent flags or by a flagman in a totally enclosed vehicle. Swaths should be measured accurately with a chain or other device except when rows can be accurately counted.

Chemigation Use Directions

Sprinkler Irrigation

Gavel 75DF fungicide must be applied on a regular protectant fungicide schedule, **not an irrigation schedule**. If irrigation cycles are less frequent than recommended Gavel 75DF fungicide application intervals, ground or aerial applications must supplement chemigation applications to achieve adequate disease control.

- Apply Gavel 75DF fungicide only through sprinkler irrigation systems including center-pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move irrigation systems. Do not apply product through any other type of irrigation system.
- Lack of fungicidal effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialist, 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 system 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.

Before applying Gavel 75DF fungicide through sprinkler irrigation equipment, the chemigation system must meet the following specifications:

- 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 out of the year.
- Chemigation systems connected to public water systems must contain a functional reduced-pressure zone (RPZ), backflow preventer 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.
- Systems not connected to a public water supply must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located in the irrigation pipeline to prevent water source contamination from back flow.
- 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.
- 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.
- 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.

Center-pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment (use only with electric or oil hydraulic drive systems, which provide a uniform water distribution):

- Determine size of area to be treated.
- Determine the time required to apply no more than 1/4 inch water (6,750 gallons water per acre) over the area to be treated when the system and injection equipment are operated at normal pressures recommended by the equipment manufacturer. Run system at 80 to 95% of manufacturer's rated capacity.

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- Using only water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of Gavel 75DF fungicide required to treat area.
- Add the required amount of Gavel 75DF fungicide and sufficient water to meet the injection time requirements of the solution tank.
- Maintain constant solution tank agitation during the injection period.
- Stop injection equipment after treatment is completed. Continue to operate the system until Gavel 75DF fungicide solution has cleared the sprinkler head.

Solid-set, Side (wheel) Roll, and Hand Move Irrigation Equipment:

- Determine acreage covered by sprinkler.
- Fill injector solution tank with water and adjust flow rate to use contents over a 10 to 30 minute interval.
- Determine the amount of Gavel 75DF fungicide required to treat area.
- Add the required amount of Gavel 75DF fungicide into the same quantity of water used to calibrate the injection equipment.
- Maintain constant solution tank agitation during the injection period.
- Operate system at normal pressures recommended by the manufacturer of the injection equipment and used for the time interval established during calibration.
- Inject Gavel 75DF fungicide at the end of the irrigation cycle or as a separate application to maximize foliar fungicide retention.
- Stop injection equipment after treatment is completed. Continue to operate the system until Gavel 75DF fungicide solution has cleared the last sprinkler head.

Restrictions

Users should carefully read, understand, and follow all use restrictions prior to using Gavel 75DF fungicide.

Foliar Applications

Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acre Per Season: If more than one product containing an EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season: If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Seed Treatment: In addition to the maximum number of foliar applications permitted by the formula stated above, a single application for seed treatment may be made on crops that have registered seed treatment uses.

Rotational Crop Restrictions: The following rotational crops may be planted at intervals defined below, following the final application of Gavel 75DF fungicide at the recommended rates for a registered use.

Crop	Re-Cropping Interval
Crops for which Gavel 75DF use is registered	No restrictions
Leafy vegetables and tuber vegetables	30 days
All other crops	140 days

Use Directions by Crop

Cucurbits, including the following:			
Cucumber (<i>Cucumis sativus</i>)			
Melons: cantaloupe, casaba, crenshaw, honeydew, muskmelon			
Squash, summer (<i>Cucurbita pepo</i> var. <i>meloepo</i>) including: crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini			
Watermelon including hybrids and/or varieties of <i>Citrullus lanatus</i>			
Diseases Controlled	Rate of Gavel 75DF (lb/Acre)	Remarks (See Also Directions for Use)	Restrictions
Alternaria leaf spot Cercospora leaf spot Downy mildew Fruit and stem rot	1.5 to 2.0 (1.13 to 1.5 lb active)	Start applications when plants are in the two-leaf stage and repeat at 7- to 10-day intervals or when environmental conditions are favorable for disease development. Use sufficient water and direct sprays to provide thorough coverage of foliage, stems and developing fruit. Some cantaloupe varieties (i.e.: Harvest Queen, Gold Star, Super Star, Sweet and Early, and Saticoy) are sensitive to Gavel 75DF. Consult State Cooperative Extension Service Specialist prior to use.	Do not make more than 8 applications or apply more than 16 lb (12.4 lb active mancozeb and 1.33 lb active zoxamide) per acre per crop. Do not apply within 5 days of harvest. Use Gavel 75DF to provide preventative control of downy mildew only when other Gavel 75DF-labeled diseases are anticipated. Do not tank mix with another fungicide if the target pest is only downy mildew. Tank mix only if a partner is required to control other diseases.
Grapes			
Diseases Controlled	Rate of Gavel 75DF (lb/Acre)	Remarks (See Also Directions for Use)	Restrictions
Bunch Rot Dead Arm Downy Mildew	2.0 to 2.5 (1.5 to 1.9 lb active)	Apply in sufficient water to provide thorough coverage starting when new shoots are 1/2 to 1-1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long, and then at 7- to 10-day intervals.	In California, do not apply after bloom. In other areas, do not apply within 66 days of harvest. West of the Rocky Mountains, do not make more than 3 applications or apply more than 7.5 lb (5 lb active mancozeb and 0.62 lb active zoxamide) per acre per season. East of the Rocky Mountains, do not make more than 8 applications or apply more than 15 lb (10 lb active mancozeb and 1.25 lb zoxamide) per acre per season.

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Potatoes			
Diseases Controlled	Rate of Gavel 75DF (lb/Acre)	Remarks (See Also Directions for Use)	Restrictions
Late blight Early blight	1.5 to 2.0 (1.13 to 1.5 lb active)	Begin applications at the first sign of disease or when late blight is reported in the area. Use a 5 to 7 day schedule when late blight is present and environmental conditions favor continued disease development. Under low disease conditions and environmental conditions unfavorable for disease development, a 7 -to- 10- day application schedule may be used. Increase the use rate according to vine development. Use the maximum labeled rate at row fill.	Do not make more than 6 applications or apply more than 12 lb (8 lb active mancozeb and 1 lb active zoxamide) per acre per crop. Do not apply within 3 days of harvest in Connecticut, Delaware, Florida, Maine, Massachusetts, Michigan, New Hampshire, New York, Ohio, Pennsylvania, Rhode Island, Vermont and Wisconsin and at least 14 days elsewhere.
Tomatoes			
Diseases Controlled	Rate of Gavel 75DF (lb/Acre)	Remarks (See Also Directions for Use)	Restrictions
Buckeye rot Early blight Gray leaf spot Late blight Leaf mold Septoria leaf spot	1.5 to 2.0 (1.13 to 1.5 lb active)	Start applications when seedlings emerge or transplants are set and repeat at 7- to 10-day intervals or when environmental conditions are favorable for disease development. The addition of Latron surfactants to spray solutions will improve performance.	West of the Rocky Mountains, do not make more than 4 applications or apply more than 8 lb (5.33 lb active mancozeb and 0.66 lb active zoxamide) per acre per season. East of the Rocky Mountains, do not make more than 8 applications or apply more than 16 lb (10.67 lb active mancozeb and 1.33 lb active zoxamide) per acre per season.
Bacterial speck Bacterial spot		Use a full rate of fixed copper fungicide in tank mix combinations with a full rate of Gavel 75DF. Follow the application intervals recommended on the copper fungicide label	Do not apply within 5 days of harvest. Use Gavel 75DF to provide preventative control of late blight only when other Gavel 75DF-labeled diseases are anticipated. Do not tank mix with another fungicide if the target pest is only late blight. Tank mix only if a partner is required to control other diseases.

ATTENTION: This product contains mancozeb and ETU, chemicals known to the State of California to cause cancer. ETU is also known to the State of California to cause birth defects or other reproductive harm.

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Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

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1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

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