



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 22, 2015

Shauna Weaver
Registration Specialist
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

Subject: Label Amendment – Revisions to the following US sections: Hotline Number;
Storage; Environmental Hazards; and Revisions Based on Canadian Requirements
Product Name: Gavel 75DF
EPA Registration Number: 10163-6414
Application Date: 09/12/2014
Decision Number: 496007

Dear Ms. Weaver:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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EPA Reg. No. 10163-6414
Decision No. 496007

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Marcel Howard by phone at (703)305-6784, or via email at howard.marcel@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, looping initial "T".

Tony Kish, Product Manager 22
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure: Stamp "Accepted" Product Labeling

GROUP	M	22	FUNGICIDE
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IMPORTANT NOTICE

This product is registered in both the U.S. and Canada. It has BOTH U.S. and Canada Labeling.
 You must follow ONLY the U.S. label WHEN USING THIS product in the U.S.
 You must follow ONLY the Canadian label WHEN USING THIS product in Canada.

GAVEL® 75DF
Fungicide

AGRICULTURAL
 READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN
CAUTION

ACCEPTED

04/22/2015

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10163-6414

ACTIVE INGREDIENTS/GUARANTEE:	% By Wt.
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 (C4H6N2S4)	51.7%
ZOXAMIDE: 3, 5-Dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-4-methylbenzamide.....	8.3%
OTHER INGREDIENTS:	25.0%
TOTAL	100.0%

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequent 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.



EPA Reg. No. 10163- 6414
 EPA Est. No. 32557-BEL-001
 Gowan Company
 P.O. Box 5569
 Yuma, AZ 85366-5569 USA



Registration No. 26842 PEST CONTROL PRODUCTS ACT
 Produced For/Fabriqué pour:
 N°D'HOMOLOGATION 26842 LOI SUR
 LES PRODUITS ANTIPARASITAIRES
 N°D'HOMOLOGACION de l'EPA 10163-287
 NAFTA-0909

FIRST AID	
When seeking medical attention take the container label if at all possible. If not, take the information which identifies the product, that is, the product name and registration numbers.	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a 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 to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
<p>When seeking medical attention, take the container label if at all possible. If not, take information which identifies the product, that is, the product names and registration numbers. In the U.S. – In case of emergency endangering health or the environment involving this product call 1-888-478-0798.</p>	

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

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

STORAGE

To prevent contamination store this product away from food or feed.

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.

ENVIRONMENTAL HAZARDS

In US - This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. For terrestrial uses, 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 water when disposing of wastes.

In Canada – Refer to label booklet under DIRECTIONS FOR USE for additional buffer zone information.

TOXIC to aquatic organisms and non-target terrestrial plants.

To reduce runoff from treated into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

IN THE UNITED STATES

PPE and Disposal - Refer to label booklet for Personal Protective Equipment and Directions for Use and Disposal.

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

It is a violation of United States law to use this product without having obtained the United States label at the time of purchase and following the U.S. label at the time of application.

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 the end of label booklet. If terms are unacceptable, return at once unopened.**

IN CANADA

PPE and Disposal - Refer to label booklet for Personal Protective Equipment and Directions for Use and Disposal.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

AVIS IMPORTANT

Ce produit est homologué tant aux États-Unis qu'au Canada. Il comporte une étiquette TANT américaine QUE canadienne.

Vous devez suivre SEULEMENT l'étiquette américaine en UTILISANT CE produit aux États-Unis.
Vous devez suivre SEULEMENT l'étiquette canadienne en UTILISANT CE produit au Canada.

GAVEL® 75DF
Fongicide

AGRICOLE
LIRE L'ÉTIQUETTE ET LE LIVRET AVANT L'UTILISATION

GARDER HORS DE LA PORTÉE DES ENFANTS
ATTENTION

INGRÉDIENTS ACTIFS/GARANTIE:

MANCOZÉBE: Produit de coordination de l'ion zinc l'éthylène bis (dithiocarbamate).....	66,7%
Constitué des ingrédients suivants:	
Manganese++.....	13,3%
Zinc++.....	1,7%
Ion zinc avec l'éthylène bis (dithiocarbamate) (C4H6N2S4)	51,7%
ZOXAMIDE: 3,5 Dichloro-N-(3-chloro-1-ethyl-1- methyl-2-oxopropyl)-4-methylbenzamide.....	8,3%
INGRÉDIENTS AUTRES.....	25,0%
TOTAL 100,0%	

PRÉCAUTIONS

DANGEREUX POUR LES HUMAINS ET LES ANIMAUX DOMESTIQUES.

ATTENTION

Cause une irritation modérée des yeux. Éviter tout contact avec la peau, les yeux ou les vêtements. Se laver à fond avec de l'eau et du savon après la manipulation du produit et avant de manger, boire, mâcher de la gomme, de fumer ou d'aller aux toilettes. Des contacts prolongés ou fréquemment répétés avec la peau peuvent causer des réactions allergiques chez certaines personnes. Dangereux si inhalé. Éviter de respirer les poussières. Enlever les vêtements contaminés et les laver avant de les remettre. Ce produit est un sensibilisant de la peau.

PREMIERS SOINS

Lorsqu'on cherche à obtenir des soins médicaux, apporter l'étiquette du contenant avec soi si c'est possible. Sinon, noter l'information identifiant le produit, c.-à-d. le nom du produit et ses numéros d'homologation.

En cas d'ingestion:	<ul style="list-style-type: none"> • Appeler un centre anti-poison ou un médecin immédiatement pour obtenir des conseils sur le traitement. • Faire boire un verre d'eau à petites gorgées reçu si la personne empoisonnée est capable d'avaler. • Ne pas faire vomir à moins d'avoir reçu le conseil de procéder ainsi par le centre anti-poison ou le médecin. Ne rien administrer par la bouche à une personne inconsciente. En cas de contact avec la peau ou les vêtements contaminés. Rincer immédiatement pour obtenir des conseils sur le traitement.
En cas de contact avec la peau ou les vêtements:	<ul style="list-style-type: none"> • Enlever ou les vêtements contaminés. • Rincer immédiatement la peau à grande eau pendant 15 à 20 minutes. • Appeler un centre anti-poison ou un médecin immédiatement pour obtenir des conseils sur le traitement.
En cas d'inhalation:	<ul style="list-style-type: none"> • Déplacer la personne vers une source d'air frais. • Si la personne ne respire pas, appeler le 911 ou une ambulance, puis pratiquer la respiration artificielle, de préférence le bouche-à-bouche, si possible. • Appeler un centre anti-poison ou un médecin immédiatement pour obtenir des conseils sur le traitement.
En cas de contact avec les yeux:	<ul style="list-style-type: none"> • Garder les paupières écartées et rincer doucement et lentement avec de l'eau pendant 15 à 20 minutes. • Le cas échéant, retirer les lentilles cornéennes au bout de 5 minutes et continuer de rincer l'oeil. • Appeler un centre anti-poison ou un médecin immédiatement pour obtenir des conseils sur le traitement.

NUMÉRO D'INFORMATION

Lorsqu'on cherche à obtenir des soins médicaux, apporter l'étiquette du contenant avec soi si c'est possible. Sinon, noter l'information identifiant le produit, c.-à-d. le nom du produit et ses numéros d'homologation. Aux États-Unis – En cas d'urgence menaçant la santé ou l'environnement et mettant en cause ce produit, appeler au 1-888-478-0798.

RENSEIGNEMENTS TOXICOLOGIQUES

Aucun antidote spécifique. Donner des soins de soutien. Le traitement doit être basé sur le jugement du médecin en fonction des réactions du patient.

PRODUIT CHIMIQUE AGRICOLE

Ne pas entreposer ni expédier près des aliments pour les humains ou les animaux, des produits pharmaceutiques ou des vêtements.

ENTREPOSAGE

Pour empêcher toute contamination, entreposer ce produit loin de la nourriture humaine ou animale. Tenir loin du feu et des étincelles. Entreposer dans un endroit frais, sec et bien ventilé. Éviter l'humidité et la surchauffe **d**urant l'entreposage qui peuvent causer la décomposition, la modification de l'activité ou un incendie. Garder le contenant fermé lorsqu'il n'est pas utilisé. Ne pas empiler plus de 3 palettes de contenants. Laisser un couloir d'accès toutes les 2 rangées. La décomposition produit une mauvaise odeur. Le cas échéant, vérifier si des contenants sont chauds et les sortir immédiatement à l'air libre pour les éliminer.

RISQUES POUR L'ENVIRONNEMENT

Aux États-Unis - Ce pesticide est toxique pour les poissons. La dérive et le ruissellement provenant des zones traitées peuvent être dangereux pour les organismes aquatiques des zones voisines. Pour les usages au sol, ne pas appliquer directement dans l'eau, dans les endroits où il y a des eaux de surface, ou dans les zones intertidales situées sous la limite de marée haute moyenne. Ne pas contaminer l'eau en y éliminant les eaux de rinçage de l'équipement ou en y éliminant des déchets.

Au Canada – Consulter le livret dans le MODE D'EMPLOI pour plus de renseignements sur les zones tampons.

TOXIQUE pour les organismes aquatiques et les végétaux terrestres non ciblés.

Pour empêcher le ruissellement provenant des zones traitées d'atteindre les habitats aquatiques, éviter d'appliquer le produit dans des zones à pente modérée à abrupte, une terre compactée ou de l'argile.

Éviter d'appliquer le produit lorsqu'on prévoit une pluie forte.

La contamination des milieux aquatiques en raison du ruissellement peut être réduite en aménageant une bande de végétation entre la zone traitée et la rive de l'étendue d'eau.

AUX ÉTATS-UNIS

Équipement de protection individuelle et élimination – Consulter le livret pour des renseignements sur l'équipement de protection individuelle et le mode d'emploi, y compris l'élimination.

Exigences relatives à l'exploitation agricole – N'utiliser le produit que conformément à son étiquette et au Worker Protection Standard, 40CFR partie 170. Consulter le livret à « Exigences relatives à l'exploitation agricole » dans la section Mode d'emploi pour des renseignements sur cette norme.

Utiliser ce produit sans avoir obtenu l'étiquette américaine au moment de l'achat et sans avoir suivi l'application constitue une infraction à la loi américaine.

Avis: Lire l'étiquette en entier. N'utiliser ce produit que conformément aux directives de l'étiquette. **Avant d'utiliser ce produit, lire les sections <<Exonération de garantie>>, et <<Limitation des recours>> à la fin du livret. Si vous n'êtes pas d'accord avec les conditions, retourner immédiatement le produit sans l'ouvrir.**

AU CANADA

Équipement de protection individuelle et élimination – Consulter le livret pour des renseignements sur l'équipement de protection individuelle et le mode d'emploi, y compris l'élimination.

AVIS À L'UTILISATEUR: Ce produit antiparasitaire doit être employé strictement selon le mode d'emploi qui figure sur la présente étiquette. L'emploi non conforme à ce mode d'emploi constitue une infraction à la Loi sur les produits antiparasitaires. L'utilisateur assume les risques de blessures aux personnes ou de dommages aux biens que l'utilisation du produit peut entraîner.

Gavel® is a registered trademark used under license by Gowan Company, LLC.
Gavel est une marque de commerce sous licence par Gowan Company, LLC.

GROUP	M	22	FUNGICIDE
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It is a violation of United States law to use this product in the United States in a manner inconsistent with its United States labeling.

Gavel[®] 75 DF

Fungicide

ACTIVE INGREDIENTS:	% By Wt.
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%
OTHER INGREDIENTS:	25.0%
	TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In the U.S. – In case of emergency endangering health or the environment involving this product call 1-888-478-0798.	

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

NET CONTENTS: _____ LB

EPA Reg. No. 10163-6414
EPA Est. No.

Produced For:
Gowan Company LLC
P.O. Box 5569
Yuma, AZ 85366-5569



PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are natural rubber > 14 mils in thickness and barrier laminate. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Mixers and loaders, applicators, and other handlers must wear:

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

See engineering controls for additional requirements.

ENGINEERING CONTROLS

Enclosed Cockpits: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)].

Mechanical Flaggng Engineering Controls: Human flagging is prohibited. Flaggng to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning / maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Drift and 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 contaminate water when disposing of equipment washwaters or rinsate.

In Canada: Refer to label booklet for additional buffer zone information.

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

Cucurbits, Grapes, Onion (Dry Bulb), Garlic, Shallots and Tomatoes: 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 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 Gowan Company, 1-888-478-0798."

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 Gowan Company, 1-888-478-0798. "

PRODUCT DIRECTIONS

Gavel 75 DF 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 specified label use rate and the spray volume to be applied per acre. Prepare only the amount of spray solution required to treat the measured acreage. Carefully calibrate spray equipment before use.

Mixing

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

Compatibility

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

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

Spray Adjuvants

The addition of agricultural surfactants to Gavel 75 DF sprays will improve initial spray deposits, fungicide redistribution and weatherability.

Suspend Gavel 75 DF into the spray solution prior to adding an adjuvant. 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.

Spray Volume: For ground applications apply 2 to 3 gallons of spray per acre are generally optimum; apply spray volumes of 5 gallons per acre to vineyards. 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 OR 2 GALLONS IN ALL OTHER STATES.

Aerial: A uniform initial spray deposit over the crop canopy generally results in optimum disease control. Pre-check each aircraft for droplet size, uniformity of spray pattern, swath width, and spray volume. During aerial application, human flaggers are prohibited.

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.

Altitude: Position the spray boom 5 to 10 feet above the crop canopy.

Flagging: Mark swaths with permanent flags at the end of the field. Measure swaths accurately with a chain or other device except when rows can be accurately counted.

Spray Drift Management (Aerial Application)

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed:

Do not apply at wind speeds greater than 15 mph.

Temperature Inversions:

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements:

Applicators must follow all state and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

Equipment:

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Chemigation Use Directions**Sprinkler Irrigation**

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

- Apply Gavel 75 DF 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 this 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 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 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 75 DF 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 ¼ 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.
- Using only water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of Gavel 75 DF required to treat area.
- Add the required amount of Gavel 75 DF 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 75 DF 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 75 DF required to treat area.
- Add the required amount of Gavel 75 DF 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 75 DF 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 75 DF solution has cleared the last sprinkler head.

Restrictions

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

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 75 DF at the specified rates for a registered use:

Crops with uses on this label: No Restrictions

All Other Crops: 30 Days

USE DIRECTIONS BY CROP

Crop	Diseases Controlled	Rate of Gavel 75 DF (lb./Acre)	Application Directions (See Also Directions for Use)
<p>Cucurbits, including the following: Chayote Chinese waxgourd Citron Melon Gherkin Edible Gourd Momordica spp Cucumber <i>(Cucumis sativus)</i> Melons: cantaloupe, casaba, crenshaw, honeydew, muskmelon Pumpkin Squash, summer (Cucurbita pepo var. melopepo) including: crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini Squash, winter Watermelon including hybrids and/or varieties of <i>Citrullus lanatus</i></p>	<p>Alternaria leaf spot Cercospora leaf spot Downy Mildew Phytophthora rot <i>(Phytophthora capsici)</i></p>	<p>1.5 to 2.0 (1.0 to 1.33 lb. mancozeb and 0.12 to 0.17 lb. zoxamide)</p>	<p>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 75 DF. Consult State Cooperative Extension Service Specialist prior to use.</p>
Restrictions			
<ul style="list-style-type: none"> • Do not make more than 8 applications or apply more than 16 lb. (10.67 lb mancozeb and 1.33 lb. zoxamide) per acre per season. • Do not apply within 5 days of harvest. 			
<p>Grapes</p>	<p>Bunch Rot Downy Mildew Phomopsis Pre-bloom Sprays At-bloom Sprays Post-bloom Sprays</p>	<p>2.0 to 2.5 (1.33 to 1.67 lb. mancozeb and 0.16 to 0.20 lb. zoxamide)</p>	<p>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.</p>
Restrictions			
<ul style="list-style-type: none"> • In California, do not apply after a 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. mancozeb and 0.62 lb. zoxamide) per acre per season. • East of the Rocky Mountains, do not make more than 6 applications or apply more than 15 lb. (10 lb. mancozeb and 1.25 lb. zoxamide) per acre per season. 			
<p>Potatoes</p>	<p>Late blight Early blight</p>	<p>1.5 to 2.0 (1.0 to 1.33 lb. mancozeb and 0.12 to 0.17 lb. zoxamide)</p>	<p>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.</p>
Restrictions			
<ul style="list-style-type: none"> • Do not make more than 6 applications or apply more than 12 lb. (8.0 lb. mancozeb and 1.0 lb. zoxamide) per acre per season 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 within 14 days elsewhere. 			

Tomatoes	Buckeye rot Early blight Gray leaf spot Late blight Leaf mold Septoria leaf spot	1.5 to 2.0 (1.0 to 1.33 lb. mancozeb and 0.12 to 0.17 lb. zoxamide)	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.
	Bacterial speck Bacterial spot		Use a full rate of fixed copper fungicide in tank mix combinations with a full rate of Gavel 75 DF.
	Restrictions		
	<ul style="list-style-type: none"> West of the Mississippi River, do not make more than 4 applications or apply more than 8 lb. (5.33 lb. mancozeb and 0.66 lb. zoxamide) per acre per season. East of the Mississippi River, do not make more than 8 applications or apply more than 16 lb. (10.67 lb. mancozeb and 1.33 lb. zoxamide) per acre per season. Do not apply within 5 days of harvest. 		

Crop	Diseases Controlled	Rate of Gavel 75 DF (lb./Acre)	Applications Directions (See Also Directions for Use)
Daylily, bulb Fritillaria, bulb Garlic, bulb Garlic, great-headed, bulb Garlic, serpent, bulb Lily, bulb Onion, bulb Onion, Chinese, bulb Onion, pearl Onion, potato, bulb Shallot, bulb Cultivars, varieties, and/or hybrids of these	Botrytis leaf blight Downy mildew Neck rot Purple blotch Rust	1.5 to 2.0 (1.0 to 1.33 lb. mancozeb and 0.12 to 0.17 lb. zoxamide)	Follow a protective spray schedule starting when diseases are first reported in the area and repeat at 7 day intervals throughout the season. Do not allow spray or drift to contact bulbs after lifting from soil.
	Restrictions		
<ul style="list-style-type: none"> Do not apply within 7 days of harvest. Do not make more than 8 applications or apply more than 16 lbs. (10.67 lb. mancozeb and 1.33 lb. zoxamide) per acre per season. Do not apply to exposed bulb. 			

Each pound of Gavel 75 DF contains 0.67 lb. of mancozeb. When using Gavel 75 DF with other mancozeb containing products do not exceed 19.2 pounds of mancozeb for cucurbit labeled crops, 6 and 19.2 pounds for grapes grown west and east of the Mississippi River, respectively, and 11.2 pounds of mancozeb for potato and 6.4 and 16.8 pounds of mancozeb for tomatoes grown west and east of the Mississippi River, respectively.

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.

STORAGE AND DISPOSAL

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

Pesticide 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. 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 Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Clean container promptly after emptying. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.
For other product information, contact Gowan Company or see Material Safety Data Sheet.**

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks are assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Directions for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE FULLEST EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT CANYON GROUP'S SOLE DISCRETION.

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