SPECIMEN LABEL

KOVERALL®

ACTIVE INGREDIENTS:

Mancozeb: A coordination product of zinc ion and many	anese ethylenebisdithiocarbamate75.0%
Manganese++	
Zinc++	1.9%
Ethylenebisdithiocarbamate ion (C4H	6N2S4)58.1%
OTHER INGREDIENTS:	
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN / MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS

CAUTION / PRECAUCIÓN

See inside booklet for additional complete First Aid, Precautionary Statements, Directions For Use, Storage and Disposal, and Conditions of Sale and Warranty

Consulte el folleto interior para obtener información adicional complete Primeros auxilios, Declaraciones de precaución Instrucciones de uso Almacenamiento y eliminación y Condiciones de venta y garantía

For 24-hour chemical spill, leak, fire, exposure or accident response information, call CHEMTREC toll free at 1-800-424-9300.

Para obtener información sobre derrames, fugas, incendios, exposiciones o accidentes químicos las 24 horas, llame a CHEMTREC sin cargo al 1-800-424-9300. FOR USE ONLY IN COMMERCIAL SEED TREATMENT FACILITIES ON BARLEY, OATS, RYE, TRITICALE, AND WHEAT FOR PROTECTION OF SEEDS AGAINST LISTED PESTS and SOILBORNE DISEASES

Manufactured for: ALBAUGH, LLC 1525 NE 36th Street, Ankeny, IA 50021



EPA Reg. No. 42750-389 AD092023S



	FIRST AID / PRIMEROS AUXILIOS
IF SWALLOWED / SI SE INGIERE:	 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 the poison control center or doctor. DO NOT give anything by mouth to an unconscious person. Llame de inmediato a un centro de control de envenenamientos o a un médico para consejo de tratamiento. Si la persona puede tragar, haga que beba un vaso de agua lentamente. No induzca el vómito a menos que así se lo indique un centrol de control de envenenamientos o un médico. No administre nada por boca a una persona que haya perdido el conocimiento.
IF INHALED / SI ES INHALADO:	 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 treatment advice. Llame de inmediato a un centro de control de envenenamientos o a un médico para consejo de tratamiento. Si la persona puede tragar, haga que beba un vaso de agua lentamente. No induzca el vómito a menos que así se lo indique un centrol de control de envenenamientos o un médico. No administre nada por boca a una persona que haya perdido el conocimiento.
IF IN EYES / SI ENTRA EN CONTACTO CON LOS OJOS:	 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. Mantenga los ojos abiertos y enjuáguelos lenta y cuidadosamente con agua, durante 15 a 20 minutos. Si utiliza lentes de contacto, retírelos después de los primeros 5 minutos, luego continúe enjuagando los ojos. Lame al centro de control de envenenamientos o a un médico para consejo de tratamiento.
IF ON SKIN OR Clothing / Si cae en La Piel:	 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. Quitese la ropa contaminada. Enjuague la piel inmediatamente con bastante agua por 15-20 minutos. Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento.
	r label with you when calling a poison control center or doctor, or going for treatment. For non-emergency exposur call 1-888-347-6732 (7 days/week, 24-hr). For medical emergencies, dial 911.
	e control de envenenamiento, o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiquet ón sobre la exposición a este producto que nos sea emergencia, llame al 1-888-347-6732 (7 dias/semana, 24-hr) lumo el 91.1

Para emergencias medicas, llame al 911.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are nitrile rubber, natural rubber, or butyl rubber.

Mixers, loaders, applicators and other handlers must wear:

- · Long-sleeved shirt,
- · long pants,
- · Shoes plus socks,
- Chemical-resistant gloves made out of barrier laminate, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, or viton ≥14 mils.

FOR BROCCOLI, CABBAGE, LETTUCE (LEAF AND HEAD), PEPPERS. AND WALNUT USE:

Aerial application of KOVERALL® on broccoli, cabbage, lettuce (leaf and head), peppers, and walnuts requires that occupational handlers performing mixing/loading operations observe the additional mitigation measures of wearing particulate respirator with an N, R, or P filter, NIOSH approval prefix TC 84-A.

See engineering controls for additional requirements.

DECLARACIONES PREVENTIVAS

RIESGOS PARA LOS SERES HUMANOS Y ANIMALES DOMÉSTICOS

PRECAUCIÓN. Dañino si se absorbe por la piel. Causa irritación moderada en los ojos. El contacto prolongado y frecuente con la piel puede causar reacciones alérgicas en algunos individuos. Evite el contacto con la piel, los ojos o ropa. Lávese con abundante agua y jabón luego de manejar (pesticidas) y antes de comer, beber, masticar chicle o tabaco, o ir al baño.

Este producto contiene mancozeb y ETU, sustancias químicas que el estado de California considera causantes de cáncer. El estado de California también reconoce que ETU causa defectos de nacimiento u otros daños reproductivos.

EQUIPO DE PROTECCIÓN PERSONAL (PPE)

Algunos materiales que son resistentes a los químicos de este producto son el caucho de nitrilo, el caucho natural o el caucho de butilo.

Los aplicadores, mezcladores, cargadores y otros manipuladores de pesticidas (plaguicidas) deben usar:

- Camisa de manga larga, pantalones largos
- Zapatos y calcetines
- Guantes resistentes a productos químicos hechos de material resistente al agua- La Categoría A (p.ej. laminados impermeables, goma de butilo, goma de nitrilo, goma de neopreno, polietileno, cloruro de polivinilo (PVC, por sus siglas en inglés), o Viton®

PARA BRÓCOLI, COL, LECHUGA (HOJA Y COPOS), PIMIENTOS. Y USO DE NUEZ:

La aplicación aérea del fungicida KOVERALL® en brócoli, repollo, lechuga (hojas y cabezas), pimientos y nueces requiere que los manipuladores ocupacionales que realizan operaciones de mezcla/ carga observen las medidas de mitigación adicionales de usar un respirador de partículas con un filtro N, R o P, NIOSH. Prefijo de aprobación TC 84-A.

Consulte los controles de ingeniería para conocer requisitos adicionales.

USER SAFETY REQUIREMENTS	REQUISITOS DE SEGURIDAD DEL USUARIO
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	Siga las instrucciones del fabricante para limpiar/mantener el EPP. Si no existen instrucciones para los productos lavables, utilice detergente y agua caliente. Mantenga y lave el EPP por separado del resto de la ropa. Deseche la ropa y otros materiales absorbentes que hayan sido empapados o muy contaminados con el concentrado de este
	producto. NO los reutilice.

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

USER SAFETY RECOMMENDATIONS

Users should:

- 1. Remove clothing 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.

RECOMENDACIONES DE SEGURIDAD PARA EL USUARIO

Los usuarios deben:

- Remueva la ropa/EPP inmediatamente si el pesticida entra en contacto con la piel. Luego lávese abundantemente y póngase ropa limpia. Si el pesticida entra en contacto con la piel, lávese inmediatamente con agua y jabón.
- Retire el EPP inmediatamente después de manipular este producto. Lave el exterior de los guantes antes de quitárselos. Tan pronto como sea posible, lávese bien y póngase ropa limpia.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

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.

DIRECCIONES DE USO

El uso de este producto de forma contraria a lo indicado en su etiqueta constituye una infracción de la ley federal. Lea atentamente todas las instrucciones de uso antes de aplicar.

No aplique este producto de manera que entre en contacto con trabajadores u otras personas, ya sea directamente o por deriva. Solo los manipuladores protegidos pueden estar en el área durante la aplicación. Para cualquier requisito específico de su estado o tribu, consulte a la agencia estatal o tribal responsable de la regulación de pesticidas.

AGRICULTURAL USE REQUIREMENTS	REQUIS ITOS DE USO AGRICOLA
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.	la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés), 40 CFR Parte 170. Esta ley contiene los requisitos para la protección de los trabajadores agrícolas en granjas, bosques, viveros e invernaderos, y para las personas que manipulan pesticidas agrícolas. Contiene
DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.	No ingrese o permita el ingreso de trabajadores a las áreas tratadas durante el intervalo de acceso restringido (REI, por sus siglas en inglés) de 24 horas.
 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, including plants, oil or water, is: Coveralls Chemical-resistant gloves made out of barrier laminate, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, or viton ≥14 mils Shoes plus socks 	El equipo de protección personal requerido para el acceso anticipado a áreas tratadas de acuerdo con el Estándar para la Protección del Trabajador Agrícola, y que involucra el contacto con material tratado, como plantas, tierra o agua, es: Overol (mameluco), Guantes resistentes a productos químicos hechos de material resistente al agua-La Categoría A (p.ej. laminados impermeables, goma de butilo, goma de nitrilo, goma de neopreno, polietileno, cloruro de polivinilo (PVC, por sus siglas en inglés), o Viton®, Calcetines y zapatos

NON-AGRICULTURAL USE REQUIREMENTS	REQUISITOS DE USO NO AGRÍCOLA
within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product	Los requisitos en este recuadro se aplican a los usos de este producto que NO están dentro del alcance de la Norma de Protección del Trabajador para pesticidas agrícolas (40 CFR Parte 170). El WPS se aplica cuando este producto se usa para producir plantas agrícolas en granjas, bosques, viveros o invernaderos.
	Las aplicaciones a campos de golf, céspedes y ornamentales industriales (parques de oficinas) y municipales no están dentro del alcance de la Norma de Protección de los Trabajadores.
Keep unprotected persons out of treated area until sprays have dried.	Mantenga a las personas desprotegidas fuera del área tratada hasta que los aerosoles se hayan secado.

RESISTANCE MANAGEMENT

For resistance management, the Mancozeb component of this product belongs to the dithiocarbamates and relatives (electrophiles) class (FRAC Group M3). Any fungal population may contain individuals naturally resistant to this product and Group M3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Albaugh, LLC encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label. Appropriate resistance-management strategies must be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of this product or other FRAC GROUP M3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM directions for specific crops and pathogens.
- For further information or to report suspected resistance contact Albaugh, LLC at 1-800-247-8013. You can also contact your pesticide distributor or university extension specialist to report resistance.

USE INFORMATION

KOVERALL[®] Fungicide is a broad-spectrum fungicide labeled for use on outdoor and greenhouse grown crops, turf and ornamentals. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program. The addition of an agricultural surfactant will enhance fungicide performance by providing a more uniform spray deposit, increased foliar redistribution, and enhanced 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 required label use rate and the volume to be applied per acre. Prepare
 only the amount of spray solution required to treat the measured acreage. Careful calibration of spray equipment is directed prior to use.
- When applied by hand sprayers, 1 pound KOVERALL® per 100 gallons per acre is equivalent to 1 level tablespoon per gallon spray solution.

Tank mixing procedures

- It is the pesticide user's responsibility to ensure that all products are registered for the intended use.
- Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing.
- Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- When two pesticides are tank mixed, the more restrictive label conditions apply.
- DO NOT tank mix with any product which contains a restriction on tank mixing.

Slowly pour into spray tank as it is being filled while agitation is maintained or thoroughly premix in a nurse tank for concentrate or aircraft sprayers. Add other co-applied fungicides, insecticides, growth regulators, micronutrients after KOVERALL[®] has been placed into suspension. When tank mixing with other pesticides, observe the more restrictive label limitations, restrictions, and precautions. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. When preparing spray solutions for use in a hand sprayer, premix as a slurry in a small container, and then add to sprayer containing 1/3 to 1/2 the desired final water volume.

Compatibility

KOVERALL® 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.

MANDATORY SPRAY DRIFT

Ground Applications:

- Apply with the nozzle height directed by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- DO NOT apply during temperature inversions.

Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- DO NOT apply when wind speeds exceed 10 miles per hour at the application site.
- DO NOT apply during temperature inversions.
- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:

· Take precautions to minimize spray drift.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift. **DO NOT** apply at wind speeds greater than 10 mph.

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 applicators:

- 1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- 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.

Application

Ground

Thorough coverage with foliar sprays results in optimum disease control. To achieve satisfactory coverage, use proper spray pressure, volume of spray mixture per acre, nozzles (hollow cone), disc (D-5 to D-7), nozzle spacing, and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

Hand Sprayers

Thoroughly spray plant foliage until runoff.

Aerial

A uniform initial spray deposit over the crop canopy results in optimum disease control. Each aircraft must be prechecked 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 (whirlplate) are advised. Nozzles must 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 vegetable and field crops, 2 to 3 gallons of spray per acre are optimum; orchards and vineyards can be handled with spray volumes of 5 gallons per acre. Some tall or dense foliage crops requiring greater penetration to the lower leaf surface will require higher spray volumes. **DO NOT** apply this product in fewer than 5 gallons spray volume per acre in California.

Altitude: For most crops, the spray boom must be positioned in 5 to 10 feet above the crop canopy.

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

CHEMIGATION USE DIRECTIONS

Sprinkler Irrigation

KOVERALL[®] must be applied on a regular protectant fungicide schedule, not an irrigation schedule. If irrigation cycles are less frequent than specified KOVERALL[®] application intervals, ground or aerial applications must supplement chemigation applications to achieve adequate disease control.

Sprinkler Irrigation Requirements

- Apply KOVERALL[®] 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.
- · Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, contact a 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 if the need arise.

Specific Chemigation Equipment Requirements

Before applying KOVERALL® 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 must be discharged into a reservoir tank prior to pesticide introduction. There must 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 that 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, for example, 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 the size of the 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 specified 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 KOVERALL® required for the treatment area.
- Add the required amount of KOVERALL® 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 KOVERALL® 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 KOVERALL® required for the treatment area.
- Add the required amount of KOVERALL® 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 specified by the manufacturer of the injection equipment and used for the time interval established during calibration.
- Inject KOVERALL® at the end of the irrigation cycle or as separate application to Disease Monitoring Maximize foliar fungicide retention.
- Stop injection equipment after treatment is completed. Continue to operate this system until KOVERALL® solution has cleared the last sprinkler head.

KOVERALL® is a broad-spectrum fungicide. If not applied on a routine protectant spray schedule, scout crops on a weekly basis. Apply fungicide at the required label use rate and spray schedule, at the first sign of disease, report of disease in the area, or during environmental conditions favorable for disease development.

RESTRICTIONS

Users must carefully read, understand, and follow all use restrictions prior to using KOVERALL®.

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, which have registered seed treatment uses.

Cole (Brassica) Leafy Vegetables		
Broccoli and Cabbage		
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions
Alternaria leaf spot1.6 - 2.1Downy mildew(1.2 - 1.6 lb. ai)		In plant beds or direct-seeded fields, apply 7 to 10 days after planting or earlier if disease is present. If field applications, apply as soon as disease is present and reapply as needed on a 7 to 10 day spray schedule.
		uires that occupational handlers performing mixing/loading operations observe the irator with an N, R, or P filter, NIOSH approval prefix TC 84-A.
		Restrictions
DO NOT apply more than 2.1 lb. DO NOT apply more than 12.8 lb		
Preharvest Interval: DO NOT apply within 7 days of harvest. DO NOT make more than 6 applications per year DO NOT make product with a U-boom device.		
Minimum Retreatment Interv		

winter), Watermelon		
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions
Alternaria leaf spot Antrhacnose Cercospora leaf spot Downy mildew Gummy stem blight Scab	2.0 – 3.0 (1.5 - 2.25 lb. ai)	Start application when plants are in the two- leaf stage and repeat at 7-to 10-day intervals. Use sufficient water and direct the spray to provide thorough coverage of both upper and lower leaf surfaces. Consult State Cooperative Extension Specialist prior to use.
Melons: cantaloupes, casab	a, crenshaw, honeydew	·
Alternaria leaf spot Anthracnose Downy mildew Gummy stem blight Microdochium blight†	2.0 – 3.0 (1.5 - 2.25 lb. ai)	Start application when plants are in the two- leaf stage and repeat at 7-to 10- day intervals. Use sufficient water and direct the spray to provide thorough coverage of both upper and lower leaf surfaces. Some cantaloupe varieties (i.e.: Harvest Queen, Gold Star Super Star, Sweet and Early, and Saticoy) are sensitive to KOVERALL® Consult State Cooperative Extension Specialist prior to use.
Watermelons:	÷	
Microdochium blight† Scab	2.0 – 3.0 (1.5 - 2.25 lb. ai)	Start application when plants are in the two- leaf stage and repeat at 7-to 10-day intervals. Use sufficient water and direct the spray to provide thorough coverage of both upper and lower leaf surfaces.
		Restrictions
	of harvest	

† Not approved for use on this pest species in California.

	Fruiting Ve	egetables (Except Cucurbits)	
Peppers			
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions	
Anthracnose Early blight Phomopsis blight or fruit rot Alternaria Leaf Spot Downy Mildew Cercospora Leaf spot (Frogeye Spot) Phytophthora Blight Ripe Rot	2.0 (1.5 lb. ai) (West of the Mississippi River) 3.0 (2.25 lb. ai) (East of the Mississippi River)	Begin application when disease appears and reapply on a 7 to 10 day spray schedule	
		Restrictions	
apply more than 19.2 lb. KOV Preharvest Interval: West c apply more than 12.8 lb. KOV DO NOT make more than 6 a Minimum Retreatment Int DO NOT apply this product w Aerial application of KOVEI	/ERALL® (14.4 lb. ai) per acre per of the Mississippi River, DO NOT /ERALL® (9.6 lb. ai) per acre per y applications per year. erval: 7 days. vith a U- boom device. RALL® on peppers requires that	pply more than 3.0 lb. KOVERALL [®] (2.25 lb. ai) per acre per application, DO NOT year and DO NOT apply within 7 days of harvest. apply more than 2.0 lb. KOVERALL [®] (1.5 lb. ai) per acre per application, DO NOT ear and DO NOT apply within 7 days of harvest. at occupational handlers performing mixing/loading operations observe the irator with an N, R, or P filter, NIOSH approval prefix TC 84-A.	
Diseases	KOVERALL [®] Rate per Application (lb./acre)	Application Directions	
Anthracnose 0.75 - 1.0 Early blight (0.56 - 0.75 lb. ai) Gray leaf spot West of the Mississippi River St		Start application when seedlings emerge or transplants are set. Repeat at 3 to 7 day intervals throughout the season.	
Bacterial speck and spot $ \begin{array}{c} 1.5 - 2.0 \\ (1.13 - 1.5 \text{ lb. ai}) \\ \text{West of the Mississippi River} \\ 1.5 - 3.0 \\ (1.13 - 2.25 \text{ lb. ai}) \\ \text{East of the Mississippi River} \end{array} $ Start application when seedlings emerge or transplants are set. Repeat at 3 to day intervals throughout the season.			
	· · ·	Restrictions	
DO NOT apply more than 22 West of the Mississippi Rive	, DO NOT apply more than 3.0 lb 2.4 lb. KOVERALL [®] (16.8 lb. ai) p r, DO NOT apply more than 2.0 l	 b. KOVERALL® (2.25 lb. ai) per acre per application. b. KOVERALL® (1.5 lb. ai) per acre per applications per year. b. KOVERALL® (1.5 lb. ai) per acre per application. 	

DO NOT apply more than 8.5 lb. KOVERALL[®] (6.4 lb. ai) per acre per year. DO NOT make more than 4 applications per year. Minimum Retreatment Interval: 3 days

Lettuce (Head and Leaf)				
Lettuce				
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions		
Downy mildew Alternaria Leaf Spot [†] Anthracnose	naria Leaf Spot [†] 2.0 Begin application when disease appears and reapply on a 7 to 10 day spray schedule			
		Restrictions		
DO NOT apply more than	2.0 lb. KOVERALL® (1.5 lb.	ai) per acre per application.		
Preharvest Interval: In California, DO NOT apply more than 8.5 lb. KOVERALL [®] (6.4 lb. ai) per acre per year and DO NOT apply within 14 days of harvest. In states other than California, DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®] (9.6 lb. ai) per acre per year and DO NOT apply more than 12.8 lb. KOVERALL [®]				
In California, DO NOT make more than 4 applications per year. In states other than California, DO NOT make more than 6 applications				
per year.				
Minimum Retreatment				
DO NOT apply this product with a U- boom device.				

Aerial application of KOVERALL® Fungicide on lettuce (head or leaf) requires that occupational handlers performing mixing/loading operations observe the additional mitigation measures of wearing a particulate respirator with an N, R, or P filter, NIOSH approval prefix TC 84-A.

† Not approved for use on this pest species in California.

Pome Fruits

Apples, Crabapples, Pears, Quince

Use either the **Pre-Bloom/Bloom Use** or **Extended Application schedule**. **DO NOT** combine or integrate the two treatment schedules. It is advised that this product be used in an integrated Pest Management Program (IPM).

Diseases Controlled	KOVERALL® Rate per Application (lb./acre)	Application Directions
Fabraea leaf spot Rusts Scab	6.0* (4.5 lb. ai*)	Pre-Bloom/Bloom Use: Begin applications at 1/4- to 1/2- inch green tip and continue on a 7- to 10-day schedule through bloom.
Fabraea leaf spot Rusts Scab	3.0* (2.25 lb. ai*)	Extended Application Schedule for Use in Tank Mixtures with systemic fungicides: For implementation of IPM programs, applications based on tree-row volume, or for use as a resistance management tool, begin applications at 1/4 to 1/2 inch green tip and continue applications on a 7-10-day schedule through the second cover spray or to within 77 days of harvest.

Restrictions

DO NOT graze livestock intreated areas.

DO NOT combine or integrate the prebloom application schedule with the post-bloom "extended application" schedule.

Minimum Retreatment Interval: 7 days.

Pre-Bloom/Bloom Use:

DO NOT apply more than 6 lb. KOVERALL® (4.5 lb. ai) per acre per application.

DO NOT apply after bloom.

DO NOT apply more than 24 lb. KOVERALL® (18 Lb. ai) per acre per year.

DO NOT make more than 4 applications per year.

Extended Application Schedule:

DO NOT apply more than 3 lb. KOVERALL® (2.25 lb. ai) per acre per application (Extended Application Schedule).

DO NOT apply within 77 days of harvest.

DO NOT apply more than 21 lb. KOVERALL® (15.75 lb. ai) per acre per year.

DO NOT make more than 7 applications per year.

*Maximum per acre use rate based on thorough coverage dilute sprays.

		Fruits
Banana (including plantai	in)	
Diseases Controlled	KOVERALL [®] Rate per Application (lb./ acre)	Application Directions
Sigatoka	2.0 - 3.0 (1.5 - 2.25 lb. ai)	Apply when leaves first appear and repeat every 14- to 21-days or as required. Use sufficient water to provide adequate coverage. The addition of a Latron surfactant to spray solutions will improve performance.
		Restrictions
	n 30 lb. KOVERALL® (22 n 10 applications per gro	5 lb. ai) per acre per application. .5 lb. ai) per acre per growing cycle. Applications can be made up to the day of harvest. wing cycle.
Cranberries		
Fruit Rot	3.0 – 6.0 (2.25 – 4.5 lb. ai)	Start applications at early-bloom and repeat at 7- to 10-day intervals as required.
		Restrictions
DO NOT apply within 30) days of harvest. an 18 lb. KOVERALL® (13 an 3 applications per yea	lb. ai) per acre per application. 1.5 lb. ai) per acre per year. r.
Grapes		
Black rot Bunch rot Phomopsis Downy mildew	1.5 - 2.5 (1.13 - 1.88 lb. ai) West of the Rocky Mountains 1.5 - 4.0 (1.13 - 3.00 lb. ai) East of the Rocky Mountains	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 until fruit is set. Other fungicides labeled for use on grapes may provide late season control of black rot, phomopsis and downy mildew.
		Restrictions
In California, DO NOT as In other areas, DO NOT West of the Rocky Mount DO NOT apply more tha East of the Rocky Mount DO NOT apply more tha Clarification of the Ma the Rocky Mountains KC	oply after bloom. apply within 64 days of I tains, DO NOT apply mot an 7.5 lb KOVERALL® (5.6 tains, DO NOT apply mot no 24 lb. KOVERALL® (18 eximum Use Rate for N WERALL® contains only of the source of mancozeb.	 b within 66 days of grape harvest. harvest. re than 2.5 lb. KOVERALL® (1.88 lb. ai) per acre per application. 6 lb. ai) per acre per year. DO NOT make more than 3 applications per year. re than 4.0 lb. KOVERALL® (3.0 lb. ai) per acre per application. lb. ai) per acre per year. DO NOT make more than 6 applications per year. Mancozeb: When other products containing mancozeb are used on Grapes Grown East of one active ingredient (ai), mancozeb. Other products may contain mancozeb in combination e application rate for mancozeb in grapes is 3.0 lbs. ai/acre and a total of 18 lbs. ai/acre
Papayas		
Anthracnose Phytophthora fruit rot	2.0 – 2.5 (1.5 – 1.88 lb. ai)	Use minimum 50 gallons water per acre. Start applications at flowering and continue at 14- to 21-day intervals. Direct spray to crown and blossom area.
		Restrictions
DO NOT apply more that DO NOT apply more that Applications may be may DO NOT make more that Minimum Retreatment	n 37 lb. KOVERALL [®] (28 de up to the day of harve in 14 applications per yea	əst.

	Tre	e Nuts
Almond		
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions
Blossom blight (<i>Monilinia</i> spp) Shothole (<i>Stigmina</i> spp)	6.4 (4.8 lb. ai)	Begin application dormant to popcorn stage, full bloom or petal fall. Reapply every 7 to 10 days if bloom is staggered and weather is rainy.
	Res	trictions
DO NOT apply more than 6.4 lb. KOVER. DO NOT apply more than 19.2 lb. KOVEF DO NOT make last application later than DO NOT graze livestock in treated area. DO NOT use less than 10 gallons of spra DO NOT make more than 3 applications Minimum Retreatment Interval: 7 day DO NOT apply this product with a U- box	ALL® (14.4 lb. ai) per acre p 5 weeks after petal fall. y volume per acre if aerially per year. S.	er year.
Walnut		
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions
Walnut Blight (Xanthomonas campestris pv. Juglandis)	2.4 (1.8 lb. ai)	This product must be tank mixed with a fixed copper product which is registered on walnuts. Begin application at early pre-bloom prior to or when catkins are partially expanded. Make additional applications during bloom and early nutlei stage, or as needed if frequent rainfall occurs. Can be applied by air or ground as a tank mix only. Ground -apply in a minimum of 100 gal water/acre; Air - apply in a minimum of 100 gal water/acre.
	Res	trictions
	ALL® (18 lb. ai) per acre per tem. 10 days. de on walnuts requires that	

		Tropical Fruits
Atemoya, Cherimoya, Custard a	pple, Sugar apple, Sweetsc	q
Diseases KOVERALL® Rate per Controlled Application Directions		Application Directions
Anthracnose	2.0 – 2.5 (1.5 – 1.88 lb. ai)	Begin applications at flowering and continue at a 7-day retreatment interval. Applications made with aerial equipment must be made in a minimum spray volume of 10 gallons per acre.
		Restrictions
DO NOT apply more than 2.5 lb DO NOT apply more than 35 lb. DO NOT make more than 14 ap Applications may be made up to Minimum Retreatment Interv PHI is 0 days.	of KOVERALL [®] (26.25 lb. a pplications per year.	
Canistel, Marney sapote, Mango	o, Sapodilla, Star apple (cair	nito), White sapote
Diseases Controlled	KOVERALL® Rate per Application (lb./acre)	Application Directions
Anthracnose Black spot (cercospora) Phytophthora fruit rot	2.0 – 2.5 (1.5 – 1.88 lb. ai)	Begin applications at flowering and continue at 14- to 21-day intervals. Direct spray to crown and blossom area. Use 20 to 100 gallons of water per acre.
		Restrictions
DO NOT apply more than 2.5 lb DO NOT apply more than 37.3 l Applications may be made up to DO NOT make more than 14 ap Minimum Retreatment Intern PHI is 0 days.	b. of KOVERALL® (28 lb ai) o the day of harvest. oplications per year.	

Other Vegetables

Asparagus				
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions		
Cercospora leaf spot Rust	2.0 (1.5 lb. ai)	Start applications when rust first appears and repeat at 10-day intervals. Four applications are usually sufficient.		
Restrictions				
Apply only on asparagus ferns after spears have been harvested. DO NOT apply more than 2.0 lb. KOVERALL [®] (1.5 lb. ai) per acre per application. DO NOT apply more than 8 lb KOVERALL [®] (6 lb. ai) per acre per year. DO NOT apply within 120 days of harvest in California and Arizona or within 180 days in all other states DO NOT make more than 4 applications per year. Minimum Retreatment Interval: 10 days.				

Asparagus crow	vns	
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions
Crown rot	1.0 lb. (0.75 lb. ai) / 100 gallons	Place loosely packed crowns into a burlap bag and soak, with gentle agitation, in the fungicide solution for 5 minutes. Remove bag, drain well, and plant crowns as soon as possible. A tank large enough to hold a single burlap bag will treat 2 bags of crowns. Clean dipping suspension must then be prepared in a clean tank. Dirty crowns must be pre-washed to remove excess soil.

Corn: (sweet corn for fresh use or processing; popcorn; and sweet corn for seed production, including hybrid seed)				
Common rust	Use sufficient water for thorough coverage. Start applications when			
Helmintho-sporium leaf blight	(1.13 lb. ai)	disease first appears and repeat at 4- to 7-day intervals.		
Bestrictions				

DO NOT within 7 days of harvest.

DO NOT feed treated forage to livestock.

DO NOT apply more than 1.5 lb. KOVERALL® (1.13 lb. ai) per acre per application.

East of the Mississippi River, Arkansas and Louisiana: **DO NOT** apply more than 22.5 lb. KOVERALL® (17 lb. ai) per acre per year. **DO NOT** make more than 15 applications per year.

West of the Mississippi River (except Arkansas and Louisiana): DO NOT apply more than 7.5 lb KOVERALL[®] (5.6 lb. ai) per acre per year. DO NOT make more than 5 applications per year.

Field and Field Corn for Hybrid Seed Production: DO NOT apply within 40 days of harvest.

DO NOT apply more than 15 lb. KOVERALL® (11.25 lb. ai) per acre per year. DO NOT make more than 10 applications per year.

Minimum Retreatment Interval: 4 days.

Hybrid seed corn				
Diseases Controlled	KOVERALL® Rate per Application (lb./ acre)	Application Directions		
Common corn rust	1.5	Start applications when disease symptoms first appear and, depending		
Helminthosporium leaf blight	(1.13 lb. ai)	on severity of infection, continue a 4- to 7-day interval.		
Restrictions				
DO NOT apply more than 1.5 lb. KOVERALL® (1.13 lb. ai) per acre per application.				

DO NOT apply more than 15 lb KOVERALL® (11.25 lb ai) per acre per year.

DO NOT feed treated forage to livestock.

DO NOT apply within 40 days of harvest.

DO NOT make more than 10 applications per year.

Minimum Retreatment Interval: 4 days.

Onions (dry bulb), Garlic, Shallots			
Botrytis leaf blight Downy mildew Neck rot Purple blotch Rust	3.0 (2.25 lb. ai)	Follow a protective spray schedule starting when diseases are first reported in the area and repeat at 7-day intervals throughout the season.	
Restrictions			
DO NOT apply more than 3.0 lb. KOVERALL [®] (2.25 lb. ai) per acre per application.			
DO NOT apply within 7 days of harvest.			
DO NOT apply more than 30 lb. KOVERALL [®] (22.5 lb. ai) per acre per year.			
DO NOT apply to exposed bulb.			
DO NOT allow spray or drift to contact bulbs after lifting from soil.			
DO NOT make more than 10 applications per year.			
Reference Bates and Internals 7 days			

Minimum Retreatment Interval: 7 days.

Onions (furrow drench)			
Damping-off	2.0		
Seed rots	3.0	Apply 3 lb. per acre as a furrow drench at time of planting onion seeds.	
Seedling blights	(2.25 lb. ai)	Use 75 to 125 gallons water per acre.	
Smut			
Restrictions			
DO NOT apply more than 3.0 lb. KOVERALL [®] (2.25 lb. ai) per acre per application.			
DO NOT apply more than 3 lb. KOVERALL® (2.25 lb. ai) per acre (29,000 linear feet of furrow) per year with an 18-inch row spacing.			
DO NOT use in California.			
DO NOT make more than 1 application per year.			

Early blight Late blight	1.0 – (0.75 - 1.8	2.0 vines 5 lb. ai) acre a	increase at 3- to	tions when plants are 4 to 6 inches high by applying 0.5 to 1.0 lb./acre. As the i n size, apply 1.5 to 2.0 lb./acre at 5- to 10-day intervals or apply 0.75 to 1.0 lb./ 5- day intervals. It is directed that this product be used within an Integrated Pest Program. Also, vine-kill must occur 14 days before harvest.
				Restrictions
				acre per application.
DO NOT apply v Pennsylvania, R	vithin 3 days of h hode Island, Ver nore than 7 appli	mont, and Wiscons cations per year.	ut, Dela	acre per year. ware, Florida, Maine, Massachusetts, Michigan, New Hampshire, New York, Ohic at least 14 days elsewhere.
Potato (seed- pi	ece treatment)			
Fusarium decay Late blight Seedborne comr Rhizoctonia shoot blight Sliver scurf		See Below		Dip whole or cut potato tubers in 1.25 lb. KOVERALL® per 50 gallons of water Place treated tubers in a clean container following treatment and plant as soor as possible. Spread treated seed pieces in a cool place if held before planting
				Restrictions
· This seed has	been treated w		ungicide	reated seeds shall be labeled with the following statements: a containing mancozeb.
The U.S. Enviror	mental Protecti	on Agency requires	the foll	owing statements on containers containing seed treated with mancozeb:
 DO NOT allow Wear long pa Treated seed Cover or colle Dispose of all 	e children, pets, nts, long-sleeve s exposed on the excess treated aminate bodies ed packaging of	d shirt and protecti e soil surface may spilled during load seed by burying se of water when disp containers in acco	e acces ve glov be haza ding and ed away osing o ordance	s to treated seeds. se when handling treated seed. rdous to wildlife may be hazardous to wildlife. J planting (for example, in row ends). y from bodies of water. f planting equipment wash water. with local requirements.
Dispose of seExcess treated		by-products that a		if (1) by-products are not used for livestock feed and (2) no measurable residues in agronomic practice.
 Dispose of se Excess treated of pesticide re 	main in ethanol		re used REQU	in agronomic practice.
Dispose of se Excess treated of pesticide re Seed treated wi accidental use of	main in ethanol th this product of treated seed a	must be visually id	REQU REQU lentifiab or feed	in agronomic practice. IRED DYE STATEMENT le from untreated seed by the use of an approved colorant or dye to preven for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated
 Dispose of se Excess treated of pesticide re Seed treated wi accidental use of seed must be cl When opening t 	main in ethanol th this product of treated seed a eared for use in his bag or loadir	must be visually ic is food for humans accordance with 4 ig/pouring the treat	REQU REQU lentifiab or feed 0 CFR, ted seed	in agronomic practice. IRED DYE STATEMENT le from untreated seed by the use of an approved colorant or dye to preven for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated

Peanuts				
Diseases KOVERALL® Rate per Controlled Application (lb./acre)		Application Directions		
Cercospora leaf spot Rust	1.0 – 2.0 (0.75 – 1.5 lb. ai)	Start applications when disease first appears or is reported in area. Repeat sprays at 7- to 14-day intervals. Reduce sprays to a 7- day interval during humid weather.		
Restrictions				
DO NOT apply more than 2.0 lb. KOVERALL® (1.5 lb. ai) per acre per application. DO NOT apply within 14 days of mancozeb harvest. DO NOT use more than 16 lb. (12 lb. ai) per acre per year. DO NOT feed treated vines to livestock. DO NOT make more than 8 applications per year. Minimum Retreatment Interval: 7 days.				

Sugar Beets					
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions			
Cercospora leaf spot	1.5 – 2.0	Start applications when disease first threatens and repeat every 7- to 10-days as			
Cercospora lear spor	(1.13 – 1.5 lb. ai)	needed. The addition of a Latron surfactant to spray solutions will improve performance.			
	Restrictions				
DO NOT apply more than 2.0 lb. KOVERALL® (1.5 lb. ai) per acre per application.					
DO NOT apply within 14 days of harvest.					
DO NOT apply more than 14 lb. KOVERALL® (10.5 lb. ai) per acre per year.					
DO NOT feed treated sugar beets to livestock.					
DO NOT make more than 7 applications per year.					
Minimum Retreatment Interval: 7 days.					

Wheat, Oats, Rye, Triticale, Bar	ley		
Diseases Controlled	KOVERALL [®] Rate per Application (lb./acre)	Application Directions	
Helminthosporium leaf spot Leaf rust Septaria glume blotch Septaria leaf spot Tan spot	2.0 (1.5 lb. ai)	Start applications at onset of disease or when plants are in the tillering to jointing stage and repeat at 7- to 10- day intervals.	
Restrictions			
DO NOT apply more than 2.0 lb. KOVERALL® (1.5 lb. ai) per acre per application.			
DO NOT make more than three applications during the year.			
PHI: DO NOT apply after Feekes Growth Stage 10.5 (typically 35-45 days), but no less than 26 days before harvest.			
DO NOT graze livestock in treated areas prior to harvest			

DO NOT graze livestock in treated areas prior to harvest. **DO NOT** apply more than 6 lb. KOVERALL® (4.5 lb. ai) per acre per year. **Minimum Retreatment Interval:** 7 days

Root Vegetables

Ginseng				
Diseases KOVERALL® Rate per Controlled Application Directions		Application Directions		
Alternaria blight	2.0 (1.5 lb. ai)	Begin applications when disease first threatens and repeat every 7 to 10 days as needed. In Wisconsin, apply with ground equipment and a minimum of 80 gallons of water per acre.		
Restrictions				
DO NOT apply more than 2.0 lb. KOVERALL [®] (1.5 lb. ai) per acre per application. DO NOT apply more than 24 lb. of KOVERALL [®] (18 lb. ai) per acre per year.				
DO NOT make more than 12 applications per year.				
DO NOT apply within 30 days of harvest.				
Minimum Retreatment Interval: 7 days				

Miscellaneous

Caprifig		
Diseases Controlled	KOVERALL [®] Rate per Application (Ib./acre)	Application Directions
Assorted molds Endosepsis (<i>Fusarium</i>)	4.0 lb. (3.0 lb. ai) / 100 gallons	Prepare mamme figs by making a shallow cut through the eye and then hand dividing to avoid wasp injury. Submerge mamme figs in the fungicide suspension for a minimum of 15 minutes. The fungicide suspension must be stirred frequently to prevent settling out. Fresh dipping solution must be used after treating 4 or 5 batches of figs. After treatment, figs must be drained prior to placement in trees.

Christmas trees (conifer)		
Diseases Controlled	KOVERALL® Rate per Application (lb./acre)	Application Directions
Lophodermium needle cast	1.0 - 2.0 lb. (0.75 – 1.5 lb ai) / acre	Begin application in spring or early summer before infection
Pine gall rust	or	occurs. Repeat after heavy rains. Make applications at 7- to
Scirrhia brown spot	1.0 – 2.0 lb. (0.75 – 1.5 lb ai) / 100 gallons	10-day intervals.

Turf

Use on Turf Prohibited in New York State.

For use on sod farms, golf courses, industrial and commercial lawns and other similar nonresidential areas. Not for use on residential or athletic turf.

Restrictions:

Sod Farm Turf:

- · Harvesting of treated turf is prohibited until 5 days following application.
- Limit to a maximum of 4 applications per year and a maximum rate of 23.2 lb. of product per acre (17.4 lb. ai/A) per application.
- · Minimum interval between applications is 10 days.

Golf Courses:

- For cool season grasses; greens, tees and aprons limit to a maximum of 5 applications per year at a maximum application rate of 23.2 lb. of product per acre (17.4 lb. ai/A) per application.
- For cool season grasses; fairways- limit to a maximum of 4 applications per year at a maximum application rate of 23.2 lb. of product per acre (17.4 lb. ai/A) per application.
- For warm season grasses; greens, tees and aprons- limit to a maximum of 4 applications per year at a maximum application rate of 23.2 lb. of product per acre (17.4 lb. ai/A) per application.
- For warm season grasses; fairways limit to a maximum of 3 applications per year at a maximum application rate of 23.2 lb. of product per acre (17.4 lb. ai/A) per application.
- · Minimum interval between applications is 10 days.

All Other Turf:

- Limit to a maximum of 4 applications per year and a maximum application rate of 23.2 lb. of product per acre (17.4 lb. ai/A) per application.
- · Minimum interval between applications is 10 days.

Application Directions:

Start application when grass greens up in spring or when disease first appears and repeat at 10- to 14-day intervals or until disease threat is past. When conditions are especially favorable for disease development, apply maximum fungicide use rate on a 10-day spray schedule. Apply in sufficient water to provide adequate coverage.

Turf Tolerance:

Treated turfgrass must be maintained in a vigorous growing condition. Turfgrass under stress will not respond to fungicide treatments as well as well-maintained turfgrass. Turfgrass tolerance to this product has been found to be acceptable; however, this product and tank mixtures with other products have not been tested on all varieties of every turfgrass species or under all possible growing conditions. If user is unfamiliar with the performance of KOVERALL[®] or tank mixtures, under user growing conditions, a limited area of turfgrass must be treated prior to initiating large-scale applications.

Application Rate and Timing for Assorted Grasses

Diseases Controlled	Rate per App. (oz/1000 sq ft)	Application Timing (Also Refer to Directions for Use)	Restrictions
Helminthosporium melting-out Rust (leaf, stem, stripe)	4 (0.19 lb. ai)		
Copper spot Fusarium blight Red thread Slime mold	4 - 8 (0.19 - 0.38 lb. ai)		DO NOT graze treated areas. DO NOT use on grasses intended for grazing, including
Algae	6 (0.28 lb. ai)		range or pasture grasses.
Dollar spot	6 – 8 (0.28 – 0.38 lb. ai)		DO NOT feed clippings to
Rhizoctonia brown patch	4 (0.19 lb. ai)	Apply on a 10-day spray schedule	livestock.
Pythium blight	8 (0.38 lb. ai)	Apply at 10-day intervals	DO NOT use on grasses
Fusarium snow mold	6 – 8 (0.28 – 0.38 lb. ai)	Apply at 2 – 6 week intervals during winter	grown for seed.
Gray leaf spot	8 (0.38 lb. ai)	Apply on a 14-day spray schedule when conditions are favorable for disease development.	

Ornamentals

Restrictions:

Cut flowers and greenhouse grown ornamentals:

- Limit to 20 applications per year.
- DO NOT use for food or feed

Application Directions:

Neither the manufacturer nor the seller has determined the effects of using KOVERALL® on ornamentals not specified on this label.

Prior to any large-scale applications on such plants, the user must determine the effects of KOVERALL® by testing a small section of the type of plants treated. The Conditions of Sale and Warranty apply to all uses.

For outdoor (field nursery) or greenhouse use, apply the equivalent of 1-2 lb. (0.75 1.5 lb.ai) KOVERALL[®] per 100 gallons of dilute spray (1.5 lb. (1.13 lb. ai) KOVERALL[®] per acre). Use a CPDA Certified non-ionic surfactant (NIS).

Begin spraying when plants are well leafed out or at first sign of disease, in a full coverage spray at 7- to 10-day intervals throughout season or follow State Extension Service directions for disease control on the following ornamental plants.

Crop	Diseases Controlled	Additional Application Directions
African violet	Botrytis blight	
Almond (ornamental)	Leaf spot	
Alyssum	Leaf spot	
Anthurium	Anthracnose, spadix rot	
Apple (ornamental)	Fabraea leaf spot, Rust, Scab	
Arborvitae	Cercospora blight	
Areca palm	Leaf spot	
Ageratum	Botrytis blight, Rust	
Ash, mountain	Entomosporium leaf spot, Guignardia leaf blotch	
Ash, white	Anthracnose, Cylindrosporium leaf spot	
Aster	Leaf spot	
Aster, perennial	Alternaria leaf spot, Anthracnose	
Azalea	Cylindrocladium rot, Petal blight Phytopthora twig and bud blight	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly spray ground under bushes.
Bougainvillea	Leaf spot	
Begonia	Botrytis blight	
Boxwood	Leaf spot	
Buffaloberry	Cylindrosporium leaf spot	
Camellias	Petal blight	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly spray ground under bushes.

Crop	Diseases Controlled	Additional Application Directions
Carnation	Rust	
	Septoria leaf spot	
Cedar, red (Juniper)	Cercospora blight, Phomopsis blight	
Chrysanthemum	Ascochyta blight, Botrytis petal spot, Rust	Apply twice weekly during blooming period.
Cockscomb (celosia)	Alternaria leaf spot	
Conifers (Christmas	Lophodermium needle cast, Pine gall rust, Scirrhia	Begin application in spring or early summer before infection
trees)	brown spot	occurs. Repeat after heavy rains and at two-week intervals as long
,		as needed.
Cordyline	Cercospora leaf spot	
Crabapple (ornamental)	Cedar-apple rust, Scab, Sphaeropsis leaf spot	
Cypress, Arizona (Cupressus spp.)	Cercospora blight, Monochaetia canker	
Dahlia	Botrytis blight	
Delphinium	Botrytis blight	
Dieffenbachia	Leptosphaeria brown spot	
Dogwood, flowering	Anthracnose, Elsinoe leaf spot, Septoria leaf spot	Apply when buds begin to open, when bracts have fallen, 4 weeks later and again in late summer after flower buds for next season have formed.
Dracaena	Fusarium leaf spot	
Elm	Black leaf spot	
Euonymus	Anthracnose	
Fatsia	Anthracnose	
Fern	Rhizoctonia blight	
Ficus	Cercospora leaf spot	
Fig	Cylindrocladium leaf spot	
Firethorn yracantha)	Fusicladium scab	
Fir, Douglas	Swiss needle cast	
Fir, fraser	Swiss needle cast	
Fuchsia	Botrytis blight Rust	
Geranium	Rust	
Gladiolus	Botrytis blossom blight, Curvularia leaf spot	Make regular weekly applications starting before diseases appear and increase to 2 or 3 applications per week during periods of heavy disease and during rainy weather. On flower spikes, reduce spray concentration to % lb per 100 gallons.
Gloxinia	Botrytis blight	
Gypsophila	Botrytis blight	
Hawthorn	Cedar-apple rust, Fabraea leaf spot, Frogeye leaf	
nawinon	spot, Hawthorn rust, Scab	
Hickory	Gnomonia leaf spot	
Holly	Purple spot	
Hollyhock	Anthracnose, Cercospora leaf spot, Puccinia rust	
Honeysuckle	Herpobasidium blight	
Horsechestnut, buckeye		
Hydrangea	Botrytis blight, Cercospora leaf spot	
Impatiens	Botrytis blight	
Iris	Didymellina leaf spot, Mycosphaerella leaf spot, Mystrosporium ink spot	(formerly Didymellina)
Juniper	Phomopsis blight	
Larkspur	Rust	
Laurel, mountain	Cercospora leaf spot, Petal blight	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly spray ground under bushes.
Ligustrum	Cercospora leaf spot	
Lily	Botrytis blight	
Magnolia	Gloeosporium leaf spot	
Maple	Alternaria leaf spot	Restriction: DO NOT use sap for syrup production.
Inapio	Phyllosticta leaf spot	

Crop	Diseases Controlled	Additional Application Directions
Marigold	Botrytis blossom blight	Restriction: DO NOT use on French dwarf double or Signet type marigold seedlings.
Narcissus	Botrytis blight (fire) smoulder	
Oak	Actinopelte leaf spot, Taphrina leaf blister	
Orchid (Dendrobium)	Botrytis blossom blight	
Oxalis	Rust	
Pansy	Anthracnose	
Pears (ornamental)	Fabraea leaf spot, Rust, Scab	
Peony	Botrytis blossom blight, Phytophthora blight	Apply in early spring and early fall, drenching soil around plants as well as the foliage. Promptly destroy all infected plant parts.
Peperomia	Cercospora leaf spot	
Petunia	Botrytis blight	
Philodendron	Dactylaria leaf spot, Phytophthora leaf spot	
Pine, Australia	Cyclaneusma needle cast	
Pine, Scotch	Cyclaneusma needle cast Gall rust	
Pittosporum	Alternaria leaf spot	
Pleomele	Fusarium leaf spot	
Poinsettia	Sphaceloma scab	
Poplar	Rust	
Primrose	Botrytis bliQht	
Protea	Botrytis blight	
Quince (ornamental)	Fabraea leaf spot, Rust, Scab	
Rhododendron	Cercospora leaf spot, Discosia leaf spot, Petal blight	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly spray ground under bushes.
Rose	Black spot, Cercospora leaf spot, Rust	
Rosemary	Rhizoctonia, Aerial blight	
Schefflera	Alternaria blight	
Scotts pine	Needle cast	
Skunkbush, sumac	Cylindrosporium leaf spot	
Snapdragon	Rust	
Spathiphyllum	Myrothecium leaf spot	
Statice	Cercosporium leaf spot	
Strawflower	Rust	
Syngonium	Cephalosporium leaf spot	
Thorn apple	Rust	
Tulip	Botrytis blight (fire)	
Venus, flytrap	Anthracnose	
Viburnum	Downy mildew, Ramularia leaf spot	
Walnut	Anthracnose	
Zinnia	Alternaria leaf blight	

STORAGE AND DISPOSAL Do NOT contaminate water, food or feed by storage or disposal.	ALMACENAMIENTO Y DESECHO No contamine agua, comida ni forrajes mediante el almacenamiento y desecho.
PESTICIDE STORAGE : Store in original container only. Store in a dry place and avoid excess heat. Carefully open containers. DO NOT put concentrate or dilute material into food or drink containers.	ALMACENAMIENTO DE PESTICIDAS: Almacenar únicamente en el recipiente original. Conservar en un lugar seco y evitar el exceso de calor. Abra los contenedores con cuidado. NO coloque material concentrado o diluido en recipientes de alimentos o bebidas.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.	DESECHO DE PESTICIDAS : Los desechos resultantes del uso de este producto deben eliminarse en el sitio o en una instalación de eliminación de desechos aprobada.
CONTAINER HANDLING: Nonrefillable container. DO NOT use or refill this container. Completely empty bag into application equipment. Then offer for recycling, or dispose of empty bag in a sanitary landfill or by incineration. DO NOT burn unless allowed by state and local ordinances.	MANIPULACIÓN DE CONTENEDORES: Envase no recargable. NO use ni rellene este recipiente. Vacíe completamente la bolsa en el equipo de aplicación. Luego ofrézcala para su reciclaje o deseche la bolsa vacía en un vertedero sanitario o mediante incineración. NO queme a menos que lo permitan las ordenanzas estatales y locales.

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