



Domark[®]

230 ME Fungicide

Active Ingredient

Tetraconazole* 20.5%

Other Ingredients 79.5%

Total 100.0%

*1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]1*H*-1,2,4-triazole

FOR CONTROL AND/OR SUPPRESSION OF CERTAIN DISEASES IN SOYBEAN

Domark[®] 230 ME Fungicide is a micro emulsion containing 1.9 pounds of tetraconazole per gallon.

EPA Registration No. 80289-7

EPA Establishment No. 5905-IA-01

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

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

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

(continued)

FIRST AID (continued)

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have affected person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For Health Emergency or Spill (24 hr) call 800-892-0099 or for Transportation Chemical Emergency Spill Leak Fire Exposure or Accident call CHEMTREC Day or Night 800-424-9300 or 202-483-7616

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, and viton \geq 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

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

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS:

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms adjacent to treatment areas. Exercise caution when making applications of *Domark*, and do not apply when atmospheric conditions favor drift or runoff. Do not contaminate water when disposing of equipment wash waters or rinsate.

User Safety Recommendations

Users should:

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

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any 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 instruction 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 12 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
- Chemical-resistant gloves made of any water proof material
- Shoes plus socks

GENERAL INFORMATION

Domark fungicide is formulated as a 1.9 pound active ingredient per gallon micro emulsion (ME). The active ingredient in *Domark* is tetraconazole, a triazole fungicide that works by inhibiting demethylation and other processes in sterol biosynthesis. Tetraconazole is absorbed quickly into the plant tissue and like all triazoles can move up, but not down the plant. Optimal disease control is achieved when *Domark* is applied in a regularly scheduled spray program. When using *Domark* in combination and/or rotation with other fungicides, it is important to use

fungicides that have different modes of action (i.e. non Group 3 fungicides). Since *Domark* is a sterol biosynthesis inhibiting fungicide, avoid rotating with other sterol biosynthesis inhibitors, such as Folicur[®], Tilt[®], or Laredo[®].

MODE OF ACTION

The active ingredient in *Domark* is tetraconazole, which belongs to the sterol biosynthesis inhibitor group of fungicides as classified by the Fungicide Resistance Action Committee (FRAC) as Target Site of Action Group 3 fungicides.

RESISTANCE MANAGEMENT

Domark contains tetraconazole, a Group 3 fungicide (sterol biosynthesis inhibitors), and is effective against labeled pathogens resistant to fungicides with modes of action different from those of target site Group 3, such as dicarboximides, strobilurin, benzimidazoles, or phenylamides. However, fungal isolates resistant to Group 3 fungicides may eventually dominate the fungal population if Group 3 fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species, especially if resistance to Group 3 fungicides is already present in the pathogen population. This may result in reduced disease control by Group 3 fungicides. To maintain the performance of *Domark* in the field, do not exceed the total number of sequential applications of *Domark* and the total number of applications of *Domark* per season stated in "CROP USE RATES AND TIMING OF APPLICATIONS". Adhere to the label instructions regarding the consecutive use of *Domark* or other target site of action Group 3 fungicides that have a similar site of action on the same pathogens. Consider the following to delay the development of fungicide resistance:

1. **Tank mixtures:** If *Domark* is used in tank mixtures with fungicides from different mode of action Groups that are registered for the same use and that are effective against the pathogens of concern, use at least the minimum labeled rates of each fungicide in the tank mix.
2. **IPM:** Integrate *Domark* into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified crop advisor and/or Valent representative for additional IPM strategies established for your area. Use *Domark* in Agricultural Extension advisory (disease forecasting) programs, which recommend application timing based on environmental factors favorable for disease development.
3. **Monitoring:** Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development.
4. **Reporting:** If a Group 3 target site fungicide appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact your Valent representative, local extension

specialist, or certified crop advisor to assist in determining the cause of reduced performance.

RAINFASTNESS

Domark is rainfast 2 hours after application. Do not apply if rain is expected within 2 hours of application or disease control may be reduced.

JAR TEST TO DETERMINE COMPATIBILITY OF *DOMARK*

Perform a jar test before mixing commercial quantities of *Domark* when using *Domark* for the first time, or when a new water source is being used.

1. Add 1 pt. of the water to a quart jar. The water should be from the same source and temperature as which will be used in the spray tank mixing operation.
2. Add 1 ml of *Domark* to the quart jar; gently mix until product goes into suspension.
3. Place cap on jar, invert 10 times, let stand for 15 minutes, evaluate.
4. An ideal tank mix combination will be uniform and free of suspended particles.

SPRAYER PREPARATION

Before applying *Domark*, start with clean, well maintained application equipment. The spray tank, as well as all hoses and booms, must be cleaned to ensure no residue from the previous spraying operation remains in the sprayer. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply *Domark*. If two or more products were tank mixed prior to *Domark* application, follow the most restrictive cleanup procedure.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making decisions. Where states have more stringent regulations, observe them. Do not apply this product when weather conditions favor spray drift from treated areas. When applying by air, observe drift management restrictions and precautions listed under "AERIAL APPLICATION".

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add the *Domark* to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing *Domark* with other labeled pesticides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates, and then solutions.
4. Fill spray tank to desired level with water. Agitation should continue until all spray solution has been applied.
5. Mix only the amount of spray solution that can be applied the day of mixing. *Domark* should be applied within 24 hours of mixing.

6. When tank mixing this product with other pesticides, observe the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

7. Do not combine *Domark* in a sprayer tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination to be physically compatible, effective and noninjurious under your conditions of use.

APPLICATION EQUIPMENT

Application equipment must be clean and in good condition. Frequently check nozzles for accuracy.

SPRAYER CLEANUP

Clean spray equipment each day following *Domark* application. After *Domark* is applied, use the following steps to clean the spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
3. Drain tank completely.
4. Remove all nozzles and screens and rinse them in clean water.

Thoroughly clean spray equipment, including all tanks, hoses, booms, screens and nozzles, before it is used to apply foliar pesticides.

AERIAL APPLICATION

To avoid drift, apply the largest droplet size possible that will provide uniform coverage and result in satisfactory disease control. To obtain satisfactory application and avoid drift, the following directions must be observed:

Do not apply during low-level inversion conditions, when winds are gusty or under other conditions that favor drift. Application should be avoided when wind velocity is less than 2 mph and more than 15 mph.

• Carrier Volume and Spray Pressure:

- For aerial application use a minimum of 5 gallons per acre. Increasing the spray volume to 7 gallons or more per acre generally provides better coverage and more consistent disease control.
- **Do not** exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

• Nozzle Selection and Orientation: Minimize formation of very small drops by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray pressure. Use nozzles that produce flat or hollow cone spray patterns. Use non-drip type nozzles, such as diaphragm type nozzles, to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, at an angle between 0° and 15° downward. Do not place nozzles on the outer 25% of the wings or rotors.

ROTATIONAL CROP RESTRICTIONS

Do not plant crops other than soybeans or sugar beets within 120 days following the last application of *Domark*.

RESTRICTIONS AND LIMITATIONS

1. **Do not** apply *Domark* after soybean growth stage R5 (beginning seed).
2. **Do not** make more than two (2) applications of *Domark* to soybeans per year.
3. **Do not** apply more than 10 fl. oz. (0.150 lb. ai. tetraconazole) of *Domark* per acre per season.
4. **Do not** graze or feed soybean forage or hay to livestock.
5. A restricted entry interval (REI) of 12 hours is to be followed.
6. **Chemigation:** **Do not** apply *Domark* through any type of irrigation system.
7. **Do not** harvest immature soybeans for consumption once plants are treated with *Domark*.
8. **Do not** use on vegetable soybean varieties grown for their immature pods.

CROP USE RATES AND TIMING OF APPLICATIONS

Soybean				
Disease	Dosage Rate		When to Apply	Special Use Instructions
	Fl. Oz./A	GPA		
Asian Soybean Rust <i>(Phakopsora pachyrhizi)</i>	4.0 to 5.0 (0.060 to 0.075 lb. ai./A)	10 to 25	Apply prior to disease development when rust infections are likely to occur. If necessary repeat with a second application before growth stage R-6. Curative applications are most effective when disease incidence does not exceed 5% of the soybean plants at time of application.	Use <i>Domark</i> as part of an integrated pest management program (IPM). Apply as a foliar spray in sufficient water to obtain thorough coverage of soybeans.
Cercospora Blight <i>(Cercospora kikuchii)</i> Frogeye Leaf Spot <i>(Cercospora soijina)</i> White Mold <i>(Sclerotinia)</i> Powdery Mildew <i>(Microsphaera diffusa)</i> Brown Spot <i>(Septoria glycines)</i> Anthracnose <i>(Anthracnose)</i>	4.0 to 5.0 (0.060 to 0.075 lb. ai./A)	10 to 25	Make application at soybean growth stage R-3 (early pod fill) or when conditions are favorable for disease development. Repeat application 15 to 21 days after first application if disease pressure is heavy. Under severe disease conditions the higher rate and shorter spray intervals should be used.	

WARRANTY STATEMENT

Read the entire label before using this product, including this Limitation of Warranty and Liability.

If the terms are not acceptable, return the product at once unopened for a refund of the purchase price.

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Directions for Use, subject to the inherent risks described below, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALENT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Buyers and Users of this product must be aware that there are inherent unintended risks associated with the use of this product, independent from the control of Valent. These risks include, but are not limited to, weather conditions, soil factors, moisture conditions, irrigation practices, condition of the crop at the time of application, materials which are present in the tank mix with this product or prior to the application of it, cultural practices or the manner of use or application, all risks which are impossible to eliminate. The Buyers and Users must be aware that these factors may cause: ineffectiveness of the product, reduction of harvested yield of the crop (entirely or partially), or crop injury.

If the Buyer does not agree with the acceptance of these risks, then THE PRODUCT SHOULD NOT BE APPLIED. To the extent consistent with applicable law, the Buyer acknowledges and accepts these inherent
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unintended risks and AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

To the extent consistent with applicable law, Valent or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product (including claims based in contract, negligence, strict liability, other tort or otherwise). To the extent consistent with applicable law, the exclusive remedy of the User or Buyer and the exclusive Liability of Valent or Seller shall be the return of the purchase price of the product, or at the election of Valent or Seller, the replacement of the product.

To the extent that applicable law allows such requirements, Valent or its Seller must have prompt notice of any claim so that an immediate inspection of Buyer's or User's growing crops can be made. To the extent consistent with the applicable law, if Buyer and User do not notify Valent or Seller of any claims, in proper time, it shall be barred from obtaining any remedy.

To the extent consistent with applicable law, Buyers and Users are deemed to have accepted the terms of this Limitation of Warranty and Liability, which may not be modified by any verbal or written agreement.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container in a dry, temperature-controlled, secure place.

PESTICIDE DISPOSAL

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

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

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REV 040407

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Information contained in this booklet is accurate at the time of printing. Since product testing is a continuous process, please read and follow the directions on the product label for the most current directions and precautionary statements.

Always check with your state to verify state registration status or call 800-6-VALENT (682-5368).



For state registration and/or supplemental labels, please call or visit us online.

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Read and follow the label instructions before using.

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