

80289-7

05/22/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mel Graben
Isagro S. p. A.
430 Davis DR, Suite 240
Morrisville, NC 27560

MAY 22 2008

Dear Mr. Graben:

SUBJECT: Domark 230ME Fungicide
EPA Registration Number 80289-7
OPPIN Decision Number 383935
Your Submission of September 13, 2007 reducing the plant-back interval for
small grains and sugarcane.

The amendment referred to above, submitted in connection with registration under section (3) of
the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) is acceptable.

Please submit one copy of the final printed labeling before the product is released for shipment.
A stamped copy of the label is enclosed for your records. If you have any questions, please
contact Lisa Jones of my team at (703) 308-9424 or at jones.lisa@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505P)

Enclosure: Stamped Label

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ACCEPTED

MAY 22 2008

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

80289-7

GROUP	3	FUNGICIDE
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DOMARK®230ME Fungicide

FOR CONTROL AND/OR SUPPRESSION OF CERTAIN DISEASES IN SOYBEAN

Active Ingredient:

Tetraconazole*	20.5%
Other Ingredients	79.5%
Total	100.0%

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

DOMARK is a micro emulsion containing 1.9 pounds of tetraconazole per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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:	<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 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 eye. • Call a poison control center or doctor for treatment advice.
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 SWALLOWED:	<ul style="list-style-type: none"> • 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 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	

Manufactured by Isagro SpA for:

EPA Registration No.: 80289-7



Isagro USA, Inc.
 430 Davis Drive, Suite 240
 Morrisville NC 27560

Batch Code will be placed on the container

EPA Establishment No. _____
 NET CONTENTS: 2.5 GALLONS

DOMARK is a registered trademark of Isagro S.p.A.

**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 ≥ 14 mils, nitrile rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 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

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 TYPE

This is a nonrefillable container. Do not reuse or refill this container.

CONTAINER DISPOSAL

Empty the package completely and triple rinse container (or equivalent) promptly after emptying with water to be used for application. Then dispose of the empty container according to state and local regulations. Place in trash or offer for recycling if available or return it to the Seller, or, if allowed by state and local authorities, by burning. If disposal is by burning, stay out of resulting smoke.

TRIPLE RINSING INSTRUCTIONS

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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 Follicur®, 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 or Isagro 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 Isagro representative, local extension specialist, or certified crop advisor to assist in determining the cause of reduced performance.

RAINFASTNESS

DOMARK is rainfast 2 hour after application. **Do not** apply if rain is expected within 2 hour 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 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:**
 - o 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.
 - o **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

There are no time interval restrictions for the tetraconazole use approved crops peanut, pecan, soybean and sugarbeet. For other crops use the time intervals listed below to determine the minimum required time interval between the last DOMARK application and new crop planting.

Rotational Crop Guideline	
Crop	Time Interval in Days Before Planting
Small Grains (barley, buckwheat, millet, oats, rice, rye, triticale and wheat)	45
Sugarcane	45
All Other Crops	120

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 DOMARK 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>Microspheara 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.	

DOMARK may be tank-mixed with the following products for use in soybeans:

Herbicides:

glyphosate (i.e. Roundup®)	clethodim (i.e. Select® Max)
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Fungicides:

azoxystrobin (i.e. Quadris®)	pyraclostrobin (i.e. Headline®)
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Insecticides:

acephate (i.e. Orthene®)	chlorpyrifos (i.e. Lorsban®)	cyfluthrin (i.e. Baythroid®)
esfenvalerate (i.e. Asana®)	gamma-cyhalothrin (i.e. Proaxis®)	lambda-cyhalothrin (i.e. Warrior®)
permethrin (i.e. Pounce®)	zeta-cypermethrin (i.e. Mustang® Max)	

Use Restrictions for Domark Tank-mixes:

1. Always read and follow all label directions when using any pesticide alone or in tank-mix combinations.
2. The most restrictive labeling applies when using a tank-mix.

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, ISAGRO 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 Isagro. 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 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, ISAGRO 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 Isagro or Seller shall be the return of the purchase price of the product, or at the election of Isagro or Seller, the replacement of the product.

To the extent that applicable law allows such requirements, Isagro 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 Isagro or Seller of any claims, in proper time, it shall be barred from obtaining any remedy.

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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.

Asana® -- Reg. TM of E.I. du pont de Nemours and Company
Bathroide® -- Reg. TM of Bayer CropScience
Folicur is a registered trademark of Bayer CropScience
Headline® -- Reg. TM of BASF
Larcdo is a registered trademark of Dow AgroSciences LLC
Lorsban® -- Reg. TM of Dow AgroSciences LLC
Mustang® Max -- Reg. TM of FMC Corporation.
Orthene® -- Reg. TM of Valent U.S.A. Corporation
Pounce® Max -- Reg. TM of FMC Corporation.
Proaxiz® Max -- Reg. TM of UAP Loveland
Roundup® -- Reg. TM of Monsanto
Select® Max -- Reg. TM of Valent U.S.A. Corporation
Tilt is a registered trademark of Syngenta Group Company
Quadris® -- Reg. TM of Syngenta Crop Protection Inc.
Warrior® -- Reg. TM of Syngenta Crop Protection Inc.

Made in U.S.A.

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