264-825 03/27/2007 1/13

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:	Date of Issuance:
264-825	MAR 2 7 2007

Term of Issuance: Conditional

Name of Pesticide Product: PROLINE 480SC Fungicide

NOTICE OF PESTICIDE:
_x_ Registration
___ Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Bayer CropScience (Attention Mr. Mel Tolliver)
P.O.Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(C), provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA Section 4.

2. You must submit the following conditional data listed below, on or before the associated due dates:

A. For the Developmental Neurotoxicity Study (MRID 46246418), brain morphometric measurements from the mid and low dose animals must be submitted by December 1, 2007, as well as addressing the other deficiencies listed in the DER to allow the reconsideration of the FQPA database uncertainty factor.

B. The final report of the ongoing storage stability study with prothioconazole and desthio-prothioconazole in plant commodities (interim results for which were reported in MRID 46477701), must be submitted by March 31, 2008.

C. Submit a poultry feeding study with prothioconazole by June 30, 2008.

Signature of Approving Official:	Date:
Cynthia Giles-Parker, Chief Fungicide Branch Registration Division (7505P)	MAR 2 7 2007

EPA Form 8570-6

D. Data must be generated and submitted by December 1, 2007 to confirm the degree of stability of the prothioconazole-4-hydroxy in ruminant fat for a duration of 45 days.

E. Based on the proposed tolerance expressions and the proposed enforcement methods, analytical reference standards for the following compounds must be submitted by July 1, 2007, and supplies replenished as requested by the EPA Pesticide Repository:

prothioconazole-desthio [JAU6476-desthio; α-(1-chlorocyclopropyl)-α-[(2-chlorophenyl)methyl]-1*H*-1,2,4-triazole-1-ethanol]

prothioconazole sulfonic acid potassium salt [potassium salt of JAU6476 sulfonic acid; 1-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1*H*-1,2,4-triazole sulfonic acid, potassium salt]

[triazole-^{15}N-^{13}C]prothioconazole

[triazole-^{15}N-^{13}C]prothioconazole-desthio

[triazole-^{15}N-^{13}C]prothioconazole sulfonic acid

F. Submit raw data from field fortifications in MRID 46246447 (in addition to the percent conversions reported in the study), by December 1, 2007.

G. The proposed data collection and enforcement methods for livestock commodities must be validated for poultry commodities. The EPA labs validated the livestock method for liver and milk. If the poultry method is the same or essentially the same, then the registrant at a minimum must present an argument and confirm (in writing, not in the lab) that the cow liver LOQ covers chicken liver. At a maximum, the registrant must validate the method for poultry commodities, including a demonstration of the LOQs. Presumably that would be done as part of the poultry feeding study. In no case is an ILV needed; no further work is needed by EPA labs. These data/information must be submitted by June 30, 2008.

H. In the Agency's risk assessment for 1,2,4-triazole and its metabolites triazole alanine, and triazole acetic acid, dated February 7, 2006 (see docket number 2005-0497 at http://www.regulations.gov), the Agency identified additional data that are needed for triazole-derivative active ingredients which have the 1,2,4,-triazole ring. The Agency plans to issue a Data Call-In for all triazole-derivative active ingredients which will identify all data needs for these active ingredients listed in the February 7, 2006 risk assessment. The Data Call-In will not address data needs that are related to parent-only data requirements.

I. The sediment toxicity study using chironomids was classified as SUPPLEMENTAL because it did not follow Agency guidelines and because not all exposure levels were analytically verified. Therefore, submit by December 1, 2007, a repeat study following Agency guidelines in which the chemical is first added to the sediment. This is expected to reduce some uncertainty associated with assessing risks to sediment dwelling invertebrates.

J. With your next amendment to the basic and alternate confidential statements of formula, add the missing actual chemical name for prothioconazole.

3. You must submit two copies of a final printed label within 45 days from the date of this Notice, or sooner if shipped before 45 days, which makes the following changes:

A. In the chemical name, change the left and right parentheses to brackets as shown below:

2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione

B. Globally change "per crop year" to "per year", and change "crop season to "crop year".

C. Change the EPA Reg No. from 264-IEL to 264-825.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

*If you have any questions about this notice, please feel free to call Tony Kish at 703-308-*9443. A copy of the label stamped "Accepted with comments" is enclosed for your records.

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 2 7 2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-825

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GROUP	3	FUNGICIDE

PROLINE® 480 SC Fungicide

For control of specified diseases on various crops.

Active Ingredient: Prothioconazole, 2-(2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl)-1,2-dihydro-3*H*-1,2,4-triazole-3-thione	41.0%
Inert Ingredients:	59.0%
Contains 4 pounds Prothioconazole per gallon	100.0%

EPA Reg. No. 264-IEL EPA Est.

STOP - Read the label before use
KEEP OUT OF REACH OF CHILDREN
CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

IF SWALLOWED:	• Immediately call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 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.*
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.
For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577. *Have the product container or label with you when calling a poison control center or doctor or going for treatment.*	
NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.	

PRECAUTIONARY STATEMENTS

HAZARD (TO HUMANS AND DOMESTIC ANIMALS)
CAUTION

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with eyes and clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment

Applicators and other handlers must wear:

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

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

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS

User Safety Recommendations

Users should:

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

ENVIRONMENTAL HAZARDS

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 disposing of equipment washwater or rinsate.

Prothioconazole-desthio (a degradate of prothioconazole) is toxic to shrimp. 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 disposing of equipment washwater or rinsate.

Prothioconazole-desthio (a degradate of prothioconazole) is known to leach through soil into ground water under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow watertables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be educed by avoiding applications when rainfall is forecasted to occur within 48 hours.

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 instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval and notification to workers (as applicable). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material.
- Shoes plus socks

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STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

Pesticide Disposal: Wastes resulting from the use of this product must 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 incineration, or, if allowed by state and local authorities, by burning If burned, stay out of smoke.

GENERAL INFORMATION

PROLINE® 480 SC is a broad-spectrum systemic fungicide for the control of Ascomycetes, Basidiomycetes and Deuteromycetes diseases in a variety of crops including barley, canola, dry bean crop group (chickpeas, lentils, etc.), peanuts, rapeseed, Indian rapeseed, field mustard, crambe and wheat. Under conditions conducive to extended infection periods or high disease pressure, additional fungicide applications beyond the number allowed by this label may be needed. Under these conditions use another fungicide registered for the crop/disease. Equipment must be properly calibrated before use.

Resistance Management Statement

PROLINE® 480 SC is a Group 3 fungicide which exhibits no known cross-resistance to other fungicide groups. However, fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Any fungal population may contain or develop individuals that are resistant to PROLINE® 480 SC and other Group 3 fungicides. If Group 3 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted diseases, the resistant isolates may eventually dominate the fungal population. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotation and /or tank mixing with products having different modes of action or limiting the total number of applications per season. Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide resistance management and/or integrated disease management recommendations for specific crops and pathogen populations. Bayer CropScience encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Spray Equipment/Volumes

PROLINE® 480 SC may be applied by either ground or aerial application equipment. Apply in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

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Mixing Procedures

Prepare no more spray mixture than is necessary for the immediate operation. Thoroughly clean spray equipment before using this product. Maintain maximum agitation throughout the spray operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to the previously treated area or dispose of the rinsate according to local regulations.

PROLINE® 480 SC Alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the PROLINE® 480 SC to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the product has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

PROLINE® 480 SC + Tank-Mix Partners: Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any of the tank-mix partners. In general, tank-mix partners should be added in this order: products packaged in water-soluble packaging*, wettable powders, wettable granules (dry flowables), liquid flowables, liquids and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

* **Note:** When using PROLINE® 480 SC in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank-mix partner, including PROLINE® 480 SC. Allow the water-soluble packaging to completely disperse before adding any other tank-mix partner to the tank.

If using PROLINE® 480 SC in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations; which appear on the tank-mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product that prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

PROLINE® 480 SC is compatible with most insecticide, fungicide, herbicide and foliar nutrient products. However, the physical compatibility of PROLINE® 480 SC with tank-mix partners should be tested before use. To determine the physical compatibility of *PROLINE® 480 SC with other products, use a jar test, as described below.*

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquids, and emusifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. For further information contact your local Bayer CropScience representative.

The crop safety of all potential tank mixes including additives and other pesticides on all crops has not been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop should be confirmed. To test for crop safety, apply PROLINE® 480 SC to the target crop in a small area and in accordance with label instructions for the target crop.

Aerial Application: Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

Chemigation: Do not apply this product through any type of irrigation system.

Adjuvants: PROLINE® 480 SC is recommended to be used with a registered non-ionic surfactant at the lowest recommended labeled rate for most crops. Refer to the individual crop recommendations for those specific uses where a surfactant is not recommended.

Recommendations to Avoid Spray Drift

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

1. Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If non-target crops are located downwind, use caution when spraying if wind is present. Do not spray if winds are gusty.
2. Use caution when conditions are favorable for drift (high temperatures, drought, low relative humidity).
3. Do not apply when temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

ROTATIONAL RESTRICTIONS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. For crops not listed on this label, do not plant back within 30 days of last application.

USE DIRECTIONS FOR SPECIFIC CROPS

PROLINE® 480 SC provides control or suppression of many important diseases of barley, canola, the dry bean crop group (including chickpeas, lentils, etc.), peanuts, rapeseed, Indian rapeseed, field mustard, crambe and wheat. When reference is made to disease suppression, suppression can mean either erratic control from good to fair or consistent control at a level below that obtained with the best commercial disease control products.

RECOMMENDED APPLICATIONS

CROP	DISEASE CONTROLLED	RATE OF PROLINE® 480 SC
Barley	Fusarium Head Blight (*Fusarium* spp.) (Suppression Only)	4.3 to 5.7 fl oz. per acre
	Leaf and Stem Diseases Net Blotch (*Pyrenophora teres*) Scald (*Rhynchosporium secalis*) Spot Blotch (*Cochliobolus sativus*)	2.8 to 4.3 fl oz. per acre
	Application Directions **Fusarium Head Blight (Suppression Only):** Apply PROLINE® 480 SC as a preventative foliar spray within the time period when 70 to 100% of the barley heads on the main stem are fully emerged (~ Feekes Growth Stages 10.3 to 10.5) when weather conditions are favorable for disease development and up to 3 to 5 days after full head emergence). Spray equipment must be set up to provide good coverage to barley heads. To achieve thorough barley head coverage using ground application equipment, it is recommended to use forward and backward mounted nozzles or nozzles that have a two-directional spray, such as Twinjet nozzles. Nozzles should be operated within the spray pressure recommendations suggested by the manufacturer. **Leaf and Stem Diseases:** Apply PROLINE® 480 SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Barley fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	

General Comments: Apply up to two (2) applications of PROLINE® 480SC per year. Repeat applications using a 14 day spray interval if conditions remain favorable for continued or increasing disease development. Applications may be made by ground or aerial spray equipment.

A maximum of 9.37 fl oz. of PROLINE® 480 SC may be applied per acre per crop year. Do not apply two applications at 5.7 fl oz. per acre per crop year. PROLINE® 480 SC may be applied up to the point where barley heads are in the full flower growth stage (Feekes 10.52). Do not apply within 32 days of harvest.

RECOMMENDED APPLICATIONS		
CROP	DISEASE CONTROLLED	RATE OF PROLINE® 480 SC
Canola	Sclerotinia Stem Rot (*Sclerotinia sclerotiorum*)	4.3 to 5.7 fl oz. per acre
	Application Directions Apply PROLINE® 480 SC when the canola crop is in the 20 - 50% bloom stage. This will be approximately 4-8 days after the canola crop begins to flower. Best protection will be achieved when the fungicide is applied prior to petals beginning to fall, and will allow for the maximum number of petals to be protected. The 4.3 fl oz. per acre rate is the recommended rate for most canola crops, however, the higher rate is recommended for fields with a history of heavy disease pressure or for dense crop stands. Good spray coverage of the plants is essential.	
General Comments: Apply up to two (2) applications of PROLINE® 480 SC per year. Repeat applications as needed using a 14 day spray interval if conditions remain favorable for continued or increasing disease development. Applications may be made by ground or aerial spray equipment. A maximum of 11.4 fl oz. of PROLINE® 480 SC may be applied per crop year. PROLINE® 480 SC may be applied until the 50% bloom stage. This will be when the canola crop is at its maximum yellow color, and prior to significant petal fall. Do not apply within 36 days of harvest.		

RECOMMENDED APPLICATIONS		
CROP	*DISEASE CONTROLLED*	*RATE OF PROLINE® 480 SC*
Chickpea	Ascochyta Blight (*Ascochyta* spp.)	4.3 to 5.7 fl oz. per acre
	Application Directions Apply PROLINE® 480 SC at the first sign of disease. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties.	
General Comments: Apply up to three (3) applications of PROLINE® 480 SC per year. Repeat applications as needed using a 10 to 14 day spray interval if conditions remain favorable for continued or increasing disease development. To optimize disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with PROLINE® 480 SC. Applications may be made by ground or aerial spray equipment. A maximum of 17.1 fl oz. of PROLINE® 480 SC may be applied per acre per crop year. Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest.		

RECOMMENDED APPLICATIONS		
CROP	*DISEASE CONTROLLED*	*RATE OF PROLINE® 480 SC*
Dried Shelled Peas and Beans Subgroup (except soybeans) *Lupinus* spp. (Grain, Sweet. White and White Sweet lupins) *Phaseolus* spp .(Field Kidney, Dry lima, Navy, Pinto and Tepary beans) *Vigna* spp. (Adzuki bean, Blackeyed pea, Catjang, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea and Urd bean) Dry broad bean *Guar* Lablab bean *Pisum* spp. (Pea (including Field pea) and Pigeon pea)	White Mold (*Sclerotinia sclerotiorum*) **Application Directions** Apply *PROLINE® 480 SC at the first sign of disease Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties*	4.3 to 5.7 fl oz. per acre
General Comments: *Apply up to three (3) applications of PROLINE® 480 SC per year. Repeat applications as needed using a 5 to 14* day spray interval if conditions remain favorable for continued or increasing disease development. To optimize disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with PROLINE® 480 SC. Applications may be made by ground or aerial spray equipment. *A maximum of 17.1 fl oz. of PROLINE® 480 SC may be applied per acre per crop year. Allow a minimum of 7 days from the last* application until cutting or swathing the crop for harvest.		

RECOMMENDED APPLICATIONS		
CROP	DISEASE CONTROLLED	RATE OF PROLINE® 480 SC
Lentils	Ascochyta Blight (*Ascochyta* spp.) **Application Directions** Apply PROLINE® 480 SC at early flower or at the first sign of disease. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties.	4.3 to 5.7 fl oz. per acre
General Comments: Apply up to three (3) applications of PROLINE® 480 SC per year. Repeat applications as needed using a 10 to 14 day spray interval if conditions remain favorable for continued or increasing disease development. To optimize disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with PROLINE® 480 SC. Applications may be made by ground or aerial spray equipment. A maximum of 17.1 fl oz. of PROLINE® 480 SC may be applied per acre per crop year. Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest.		

RECOMMENDED APPLICATIONS		
CROP	DISEASE CONTROLLED	RATE OF PROLINE® 480 SC
Rapeseed Indian rapeseed Field mustard Crambe	Sclerotinia Stem Rot (*Sclerotinia sclerotiorum*) **Application Directions** Apply PROLINE® 480 SC when the crop is in the 20 - 50% bloom stage. Utilize the higher rate for fields with a history of heavy disease pressure or for dense crop stands. Good spray coverage of the plants is essential.	4.3 to 5.7 fl oz. per acre
General Comments: Apply up to two (2) applications of PROLINE® 480 SC per year. Repeat applications as needed using a 14 day spray interval if conditions remain favorable for continued or increasing disease development. Applications may be made by ground or aerial spray equipment. A maximum of 11.4 fl oz. of PROLINE® 480 SC may be applied per crop year. PROLINE® 480 SC may be applied until the 50% bloom stage. Do not apply within 36 days of harvest.		

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RECOMMENDED APPLICATIONS		
CROP	DISEASE CONTROLLED	RATE OF PROLINE® 480 SC
Peanut	**Soil-Borne** Sclerotium Rot (*Sclerotium rolfsii*) *(White Mold, Southern Blight, Southern Stem Rot)* Rhizoctonia Limb Rot, Peg Rot, Pod Rot (*Rhizoctonia solani*) Cylindrolcadium Black Rot (*Cylindrocladium crotalariae*) (Suppression Only)	5.7 fl oz per acre
	Foliar Early Leaf Spot (*Cercospora arachidicola*) Late Leaf Spot (*Cercospondium personatum*) Leaf Rust (*Puccinia arachidis*) Web Blotch (*Phoma arachidicola*) Leaf Scorch and Pepper Spot (*Leptosphaerulina crassiasca*)	5.0 to 5 7 fl oz. per acre
	Application Directions **Foliar Disease Spray Program:** Apply the specified rate in a preventive spray schedule. Apply up to four (4) sprays using a 14-day interval. Use the higher use rate when conditions are favorable for severe disease pressure *and/or when growing less disease resistant varieties.* **Soil-Borne Disease Spray Program:** For optimum control of the specified soil-borne diseases, four consecutive applications of PROLINE® 480 SC must be made at 14 day intervals. In a typical 7 spray application program beginning 30-40 days after planting or as recommended by the local Extension Service, PROLINE® 480 SC should be applied for sprays 3, 4, 5 and 6. Applications of fungicides with a different mode of action should be *made prior to and following applications of PROLINE® 480 SC to discourage development of resistant strains* of fungi. Use PROLINE® 480 SC in conjunction with cultural practices that are known to reduce the severity of soil-borne diseases, such as proper crop rotation practices. For control of soil-borne diseases when using a **Leaf Spot Advisory Program** schedule, apply PROLINE® 480 SC in the first advisory spray in July and continue PROLINE® 480 SC applications at 14 day intervals. PROLINE® 480 SC must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by *Sclerotium rolfsii* and *Rhizoctonia solani*. Drought conditions will decrease the effectiveness of PROLINE® 480 SC against the root and pod rots.	
General Comments: Apply up to four (4) applications of PROLINE® 480 SC per year. When planting varieties with good to excellent levels of resistance to foliar diseases, the application interval may be extended up to 21 days in the absence of soil borne diseases. A maximum of 22.8 fl oz. of PROLINE® 480 SC may be applied per crop season. PROLINE® 480 SC may be applied up to 14 days before harvest. Do not feed hay or threshings or allow livestock to graze in treated areas. Applications may be made by ground or aerial spray equipment.		

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RECOMMENDED APPLICATIONS		
CROP	DISEASE CONTROLLED	RATE OF PROLINE® 480 SC
Wheat (spring durum and winter)	Fusarium Head Blight (*Fusarium* spp.) (Suppression Only)	4.3 to 5.7 fl oz per acre
	Leaf and Stem Diseases Leaf Rust (*Puccinia recondita* f.sp. *tritici*) *Septoria* Leaf and Glume Blotch (*Septoria tritici, S nodorum*) Stem Rust (*Puccinia graminis*) Tan Spot (*Pyrenophora tritici-repentis*)	4.3 to 5.0 fl oz per acre
	Application Directions **Fusarium Head Blight (Suppression Only):** Apply PROLINE® 480 SC within the time period from when at least 75% of the wheat heads on the main stem are fully emerged (~ Feekes Growth Stages 10.4) to when 50% of the heads on the mainstem are in flower (~ Feekes Growth Stage 10.52). Optimal timing of application may be at or around 15% flower (~ Feekes 10.51). Spray equipment must be set up to provide good coverage to wheat heads. To achieve thorough wheat head coverage using ground application equipment, it is recommended to use forward and backward mounted nozzles or nozzles that have a two-directional spray, such as Twinjet nozzles. Nozzles should be operated within the spray pressure recommendations suggested by the manufacturer. **Leaf and Stem Diseases:** Apply PROLINE® 480 SC as a preventive foliar spray of when the earliest disease symptoms appear on the leaves or stems. Wheat fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	
General Comments: Apply up to two (2) applications of PROLINE® 480 SC per year. Repeat applications using a 14 day spray interval if conditions remain favorable for continued or increasing disease development. Applications may be made by ground or aerial spray equipment. A maximum of 9.37 fl oz. of PROLINE® 480 SC may be applied per acre per crop year. Do not apply two applications at 5.7 fl oz per acre per crop year. PROLINE® 480 SC may be applied up to the point where wheat heads are in the full flower growth stage (Feekes 10.52). Do not apply within 30 days of harvest.		

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once

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