

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

83529-180

EPA Reg. Number:

Date of Issuance:

10/18/21

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:

Sharda Fludioxonil 480 FS

Name and Address of Registrant (include ZIP Code):

Sharda USA LLC c/o Wagner Regulatory Associates, Inc. P.O. Box 640 Hockessin, DE 19707

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 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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:	Date:
Offiles-Parker	10/18/21
Cynthia Giles-Parker, Chief	
Fungicide Branch, Registration Division (7505P)	

EPA Form 8570-6

- 2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 83529-180."
 - Add an appropriate EPA Establishment Number and Net Contents information.
- 3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 05/27/2021
- Alternate CSF 1 dated 05/27/2021

The alternate brand name SLOGAN has been added to the product record.

If you have any questions, please contact Stephanie Suarez by phone at 703-347-8221, or via email at Suarez.Stephanie@epa.gov.

Enclosure -stamped "accepted" label

[Master Label]

83529-XXX.20210527.V3

FLUDIOXONIL GROUP 12 FUNGICIDE

Sharda Fludioxonil 480 FS ABN: Slogan

A Seed Treatment Product for Protection Against Damage from Certain Seed and Seedling Diseases of Listed Crops.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

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 poison control center or doctor for further treatment advice.	
IF IN EYES:	Hold eyes 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 eyes.	
	Call a poison control center or doctor for treatment advice.	
IF ON SKIN OR	Take off contaminated clothing.	
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.	
	Call a poison control center or doctor for treatment advice.	
HOTLINE NUMBER		

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

information concerning this product, call your poison control center at **1-800-222-1222**. [Optional referral statements when booklets and container labels are used:]

[See label booklet for [complete] [additional] [First Aid,] [Precautionary Statements], [Directions For Use], and [Storage and Disposal].]



EPA Reg. No. 83529-XXX EPA Est. No. XXXXX-XX-XXX

ACCEPTED 10/18/2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 2000 400

83529-180

Net Contents: _____ [Gals./L.]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if inhaled. Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. 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 and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves including barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) >14 mils, or Viton® >14 mils
- Shoes plus socks

USER SAFETY REQUIREMENTS

Follow the 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 or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

ENGINEERING CONTROLS

When handlers use closed systems 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:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. **DO NOT** contaminate water when disposing of equipment wash water or rinsate. Cover or collect seeds spilled during loading.

Groundwater Advisory

Fludioxonil has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

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.

Sharda Fludioxonil 480 FS must be used only in accordance with directions on this label or in separately published Sharda USA LLC supplemental labeling approved by EPA for this product.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE, RESTRICTIONS, AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. **Exception:** If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, soil, or water is:

- Coveralls
- Chemical-resistant gloves including barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils
- Shoes plus socks

PRODUCT INFORMATION

Sharda Fludioxonil 480 FS is a seed treatment fungicide which protects against damage from certain soil-borne and seed-borne diseases of listed crops. **Sharda Fludioxonil 480 FS** protects against *Fusarium, Rhizoctonia, Helminthosporium,* and weakly pathogenic fungi including *Aspergillus* and *Penicillium* species. **Sharda Fludioxonil 480 FS** is active against seed-borne *Diaporthe-Phomopsis* disease complex sometimes referred to as pod and stem blight (*Phomopsis* spp. and *Diaporthe* spp.). **Sharda Fludioxonil 480 FS** also protects against damage from pink snow mold (*Microdochium nivale* or *Monographella nivalis*).

When disease pressure is expected to be severe, use the higher specified rate if rate ranges are given.

Reduced germination and/or reduction of seed and seedling vigor may occur if application is done to highly mechanically scarred or damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pest.

Apply to a quantity of seed using equipment similar to that planned for treating the total seed lot. Then conduct germination tests with a portion of this treated seed before committing the total seed lot to a selected seed treatment.

Because of seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Sharda USA LLC, no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed when treated with **Sharda Fludioxonil 480 FS**.

RESISTANCE MANAGEMENT

For resistance management, **Sharda Fludioxonil 480 FS** contains a Group 12/fludioxonil fungicide. Any fungal population may contain individuals naturally resistant to **Sharda Fludioxonil 480 FS** and other Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies must be followed.

Fludioxonil belongs to the phenylpyrrole class of chemistry which interferes with osmotic signal transduction.

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

- Rotate the use of **Sharda Fludioxonil 480 FS** or other Group 12 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/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM guidance for specific crops and pathogens.
- For further information or to report suspected resistance, contact your Sharda USA LLC representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

Sharda USA LLC encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label.

APPLICATION DIRECTIONS

Important: Thoroughly recirculate Sharda Fludioxonil 480 FS before use.

Follow the manufacturer's application instructions for the seed treatment equipment being used.

Use **Sharda Fludioxonil 480 FS** as a water-based slurry through standard liquid-type seed treatment equipment that provides uniform seed coverage. For better product coverage on the seed, use seed treaters with atomizers or spinning discs. To provide the desired level of coverage, the total application volume must be sufficient. Dilute with water or liquid inoculants. Thoroughly mix the specified amount of **Sharda Fludioxonil 480 FS** into the required amount of water or liquid inoculant for the slurry treater and dilution rate to be used. Uneven or incomplete seed coverage may not give the desired level of disease control.

Some crops require addition of inoculants during seed treatment or planting. **Sharda Fludioxonil 480 FS** is compatible with several liquid inoculant products. Consult the maker of the inoculant product and a Sharda USA LLC representative for directions before applying **Sharda Fludioxonil 480 FS** with inoculants.

To prevent settling out of the solution, continuous agitation or mixing of the slurry mixture is necessary. Maintain constant agitation if the leftover slurry will be maintained overnight or clean out any unused product from the treater after treating.

To prevent accidental use of treated seed as food for humans or feed for animals, seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye. Refer to 21 CFR Part 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR Part 153.155(c).

Allow seed to dry before bagging.

At planting, follow planter manufacturer's specifications for use of talc or other hopper box additives. Seed must be completely dry before adding to planter.

TANK MIXTURES

Sharda Fludioxonil 480 FS readily mixes with water and other water-based seed treatments. When mixing with products from other manufacturers, test the compatibility prior to use by conducting a jar test: Mix all intended seed treatments with a proportional amount of water to achieve the desired slurry mixture in a clear glass container. Mix well and allow mixture to sit for 1 hour. Remix and observe for incompatibility.

To mix **Sharda Fludioxonil 480 FS** with tank-mix partners: Add half of the required water to the mix tank and turn on the agitation. Mechanical agitation is preferred. When using wettable powders, add them first to clean water allowing them to completely disperse prior to adding **Sharda Fludioxonil 480 FS** or other products. Allow each tank-mix partner to completely disperse before adding the next product. Add the remaining amount of water and agitate. Maintain agitation until the entire slurry mixture has been used.

Sharda Fludioxonil 480 FS is not active against diseases caused by *Pythium* spp. or *Phytophthora* spp. If these diseases are expected to be a problem, use **Sharda Fludioxonil 480 FS** tank-mixed with mefenoxam containing products. If mefenoxam containing products are not registered on that crop, use **Sharda Fludioxonil 480 FS** as a tank-mix with another labeled seed treatment product that has activity against these diseases. Consult the label for appropriate use rate and follow all use instructions for the products.

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.

ROTATIONAL CROP RESTRICTIONS

Sharda Fludioxonil 480 FS does not have rotational plant-back restrictions. Treated areas may be replanted with any crop as soon as practical following the last application.

SEED CONTAINER LABEL REQUIREMENTS - DOMESTIC USE

THE FEDERAL SEED ACT REQUIRES THAT CONTAINERS OF TREATED SEEDS MUST BE LABELED WITH THE FOLLOWING STATEMENTS:

- This seed has been treated with a fungicide containing fludioxonil.
- DO NOT use for feed, food, or oil purposes.

THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON CONTAINERS OF SEEDS TREATED WITH FLUDIOXONIL:

- Contains [insert amount a.i.] lbs. fludioxonil per 100 lbs. of seed treated.
- Do not apply more than 0.875 lbs. total fludioxonil per acre per year.
- Store treated seed away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants, and chemical-resistant gloves when handling treated seed.
- **DO NOT** allow children, pets, or livestock to have access to treated seeds.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (including in row ends).
- Dispose of excess treated seed by burying seed away from bodies of water.
- DO NOT contaminate water bodies when disposing of planting equipment wash water.
- Dispose of seed packaging in accordance with local requirements.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed, and (2) no measurable residues of pesticides remain in the ethanol by-products that are used in agronomic practice.
- **DO NOT** allow animals to graze the following crops grown from seeds treated with fludioxonil until 30 days after planting: Forage, Fodder, and Straw of Cereal Grains Crop Group 16, Grass Forage, Fodder, and Hay Crop Group 17, and Non-grass Animal Feeds (Forage, Fodder, Straw, and Hay) Crop Group 18.

SEED CONTAINER LABEL REQUIREMENTS - EXPORT USE

THE FEDERAL SEED ACT REQUIRES THAT CONTAINERS OF TREATED SEEDS MUST BE LABELED WITH THE FOLLOWING STATEMENTS:

- This seed has been treated with a fungicide containing fludioxonil.
- DO NOT use for feed, food, or oil purposes.

THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON CONTAINERS OF SEEDS TREATED FOR EXPORT USE WITH **Sharda Fludioxonil 480 FS**:

- TREATED SEED FOR EXPORT ONLY-NOT FOR DOMESTIC SALE OR USE IN THE UNITED STATES.
- EXPORTER 15 RESPONSIBLE FOR VERIFYING SEED CONTAINER LABEL REQUIREMENTS IN COUNTRY OF DESTINATION OR USE.
 MAXIMUM USE RATES SPECIFIED ON THIS LABEL MUST NOT BE EXCEEDED.

Rate of Sharda Fludioxonil 480 FS Per 100 lbs. Seed		
Fl. Oz./ 100 Lbs. Seed A.I. (lbs. ai/100 lbs. see		
0.02	0.00064	
0.08	0.00256	
0.16	0.00512	
0.19	0.00608	

SEED TREATMENT DIRECTIONS

Cereal Grains Crop Group 15, Except Corn (See Corn Entry)

Barley, Buckwheat, Millet (Pearl), Millet (Proso), Oats, Rice, Rye, Sorghum (Milo), Teosinte, Triticale, Wheat, and Wild Rice

Target Disease	Rate (Fl. Oz./100 Lbs. of Seed)	Use Directions
For protection against seed-borne and soil-borne fungi which cause Seed	0.08 - 0.16 fl. oz	For Grain Sorghum: Apply mefenoxam-containing products in combination with Sharda
1	P :0.03 0.00 ft	j
Decay, Damping-off, and Seedling	Rice: 0.02 - 0.08 fl. oz.	Fludioxonil 480 FS for protection against
Blights		damping-off due to <i>Pythium</i> spp. for all cereal
		grains and downy mildew for Sorghum.
Pink Snow Mold (<i>Microdochium nivale</i>	Sorghum: 0.08 – 0.16 fl. oz.	
or Monographella nivalis)	(0.0008 - 0.0016 mg a.i./seed, based	
	on 14,500 seeds/lb).	

Restrictions:

- Pre-Grazing Interval (PGI): 30 days
- Do not apply more than 0.875 lbs. total fludioxonil per acre per year.

Field Corn, Popcorn, and Sweet Corn

Target Disease	Rate (Fl. Oz./100 Lbs. of Seed)	Use Directions
Field Corn and Popcorn: For protection against seed-borne and soil-borne fungi which cause Seed Decay, Damping-off, and Seedling Blights Seed-borne Head Smut (Sphacelotheca reiliana) Seedling Blights	Field Corn and Popcorn: 0.08 – 0.16 fl. oz.	Field Corn and Popcorn: For Pythium spp. control, use Sharda Fludioxonil 480 FS in combination with mefenoxam-containing products and azoxystrobin-containing products.
Sweet Corn: For protection against seed- borne and soil-borne fungi which cause Seed Decay, Damping-off, and Seedling Blights	Sweet Corn: 0.08 fl. oz.	Sweet Corn: Apply mefenoxam-containing seed treatment products in combination with Sharda Fludioxonil 480 FS for protection against damping-off due to <i>Pythium</i> spp. and for systemic downy mildew.
Use Rate Conversions for 80,000 Corn Seed Count		
Fl. Oz./ 100 Lbs. Seed	Fl. Oz./80,000 Seed Count	Lbs. A.I./80,000 Seed Count
0.08	0.036	0.0011
0.16	0.072	0.0023
Restrictions:		

- Pre-Grazing Interval (PGI): 30 days
- Do not apply more than 0.875 lbs. total fludioxonil per acre per year

Cotton

Target Disease	Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne	0.08 - 0.19 fl. oz.
fungi which cause Seed Decay, Damping-off, and	
Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Cucurbit Vegetables - Crop Group 9

Chayote (fruit) (Sechium edule), Chinese waxgourd (Chinese preserving melon) (Benincasa hispida), Citron melon (Citrullus lanatus var. citroides), Cucumber (Cucumis sativus), Gherkin (Cucumis anguria), Gourd (edible) (Lagenaria spp.) (Hyotan and Cucuzza), Gourd (edible) (Luffa acutangula, L. cylindrical) (Hechima and Chinese okra), Momordica spp. (Balsam apple, Balsam pear, Bittermelon, and Chinese cucumber), Muskmelon (hybrids and/or cultivars of Cucumis melo) (Cantaloupe, Casaba, Crenshaw melon, Golden pershaw melon, Honeydew melon, Honey balls, Mango melon, Persian melon, Pineapple melon, Santa Claus melon, Snake melon, and True cantaloupe), Pumpkin (Cucurbita spp.), Squash (summer) (Cucurbita pepo var. melopepo) (Crookneck squash, Scallop squash, Straightneck squash, Vegetable marrow, and Zucchini), Squash (winter) (Cucurbita maxima, C. moschata) (Butternut squash, Calabaza, and Hubbard squash), Squash (winter) (Cucurbita mixta, C. pepo) (Acorn squash and Spaghetti squash), and Watermelon (hybrids and/or varieties of Citrullus lanatus)

Page **6** of **10**

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay, Damping-off, and Seedling Blight	0.08 - 0.16 fl. oz.
Restriction: • Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Fruiting Vegetables - Crop Group 8-10

African eggplant (Solanum macrocarpon), Bush tomato (Solanum centrale), Cocona (Solanum sessiliflorum), Currant tomato (Solanum pimpinellifolium), Eggplant (Solanum melongena), Garden huckleberry (Solanum scabrum), Goji berry (Lycium barbarum), Groundcherry (Physalis alkekengi, P. grisea, P. peruvian, P. pubescens), Martynia (Proboscidea louisianica), Naranjilla (Solanum quitoense), Okra (Abelmoschus esculentus), Pea eggplant (Solanum torvum), Pepino (Solanum muricatum), Pepper (bell) (Capsicum annuum, Capsicum spp.), Pepper (non-bell) (Capsicum chinense, C. annuum, C. frutescens, C. baccatum, C. pubescens, Capsicum spp.), Roselle (Hibiscus sabdariffa), Scarlet eggplant (Solanum aethiopicum), Sunberry (Solanum retroflexum), Tomatillo (Physalis philadelphica), Tomato (Solanum lycopersicum), Tree Tomato (Solanum betaceum), and Cultivars, varieties, and hybrids of these commodities

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed	0.08 - 0.16 fl. oz.
Decay, Damping-off, and Seedling Blight	
Restriction:	
• Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Grass Forage, Fodder, and Hay - Crop Group 17

Graminae Family (except Sugarcane and those included in Cereal Grains Crop Group 15) (Green and Cured), Grasses Grown for Hay or Silage, and All Pasture and Range Grasses

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed	0.08 - 0.16 fl. oz.
Decay, Damping-off, and Seedling Blight	
Restriction:	
Pre-Grazing Interval (PGI): 30 days	
• Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Head and Stem Brassica Crop Subgroup 5A and Leafy Brassica Greens Crop Subgroup 5B

Broccoli (Brassica oleracea var. botrytis), Broccoli (Chinese) (gai Ion) (Brassica alboglabra), Broccoli Raab (rapini) (Brassica campestris), Brussels sprouts (Brassica oleracea var. gemmifera), Cabbage (Brassica oleracea), Cabbage (Chinese) (bok choy) (Brassica chinensis), Cabbage (Chinese) (napa) (Brassica pekinensis), Cabbage (Chinese mustard) (gai choy) (Brassica campestris), Cauliflower (Brassica oleracea var. botrytis), Cavalo Broccolo (Brassica oleracea var. botrytis), Collards (Brassica oleracea var. acephala), Kale (Brassica oleracea var. acephala), Kohlrabi (Brassica oleracea var. gongylodes), Mizuna (Brassica rapa var. japonica), Mustard greens (Brassica juncea), Mustard spinach (Brassica rapa var. perviridis), and Rape greens (Brassica napus)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Herb Crop Subgroup 19A and Spice Crop Subgroup 19B

Allspice (Pimenta dioica), Angelica (Angelica archangelica), Anise (anise seed) (Pimpinella anisum), Anise (star) (Illicium verum), Annatto (seed) (Bixa orellana), Balm (lemon balm) (Melissa officinalis), Basil (Ocimum basilicum), Borage (Borago officinalis), Burnet (Sanguisorba minor), Camomile (Anthemis nobilis), Caper (buds) (Capparis spinosa), Caraway (Carum carvi), Caraway (Black) (Nigella sativa), Cardamon (Elettaria cardamomum), Cassia bark (Cinnamomum aromaticum), Cassia buds (Cinnamomum aromaticum), Catnip (Nepeta cataria), Celery Seed (Apicum graveolens), Chervil (dried) (Anthriscus cerefolium), Chive (Allium schoenoprasum), Chive (Chinese) (Allium tuberosum), Cinnamon (Cinnamomum verum), Clary (Salvia sclarea), Clove buds (Eugenia caryophyllata), Coriander (cilantro or Chinese parsley) (leaf) (Coriandrum sativum), Coriander (cilantro) (seed) (Coriandrum sativum), Costmary (Chrysanthemum balsamita), Culantro (leaf) (Eryngium foetidum), Culantro (seed) (Eryngium foetidum), Cumin (Cuminum cyminum),

Curry (leaf) (Murraya koeniaii), Dill (dillweed) (Anethum graveolens), Dill (seed) (Anethum graveolens), Fennel, Common (Foeniculum vulgare), Fennel (Florence) (seed) (Foeniculum vulgare Azoricum group), Fenugreek (Trigonella foenumgraecum), Grains of Paradise (Aframomum melegueta), Horehound (Marrubium vulgare), Hyssop (Hyssopus officinalis), Juniper berry (Juniperus communis), Lavender (Lavandula officinalis), Lemongrass (Cymbopogon citratus), Lovage (leaf) (Levisticum officinale), Lovage (seed) (Levisticum officinale), Mace (Myristica fragrans), Marigold (Calendula officinalis), Marjoram (Origanum spp.) (includes sweet or annual marjoram, wild marjoram or oregano and pot marjoram), Mustard (seed) (Brassica juncea, B. hirta, B. nigra), Nasturtium (Tropaeolum majus), Nutmeg (Myristica fragrans), Parsley (dried) (Petroselinum crispum), Pennyroyal (Mentha pulegium), Pepper (black) (Piper nigrum), Pepper (white) (Piper nigrum), Poppy Seed (Papaver somniferum), Rosemary (Rosemarinus officinalis), Rue (Ruta graveolens), Saffron (Crocus sativus), Sage (Salvia officinalis), Savory (Summer and Winter) (Satureja spp.), Sweet Bay (bay leaf) (Laurus nobilis), Tansy (Tanacetum vulgare), Tarragon (Artemisia dracunculus), Thyme (Thymus spp.), Vanilla (Vanilla planifolia), Wintergreen (Gaultheria procumbens), Woodruff (Galium odorata), and Wormwood (Artemisia absinthium)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 -0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	

Leafy Greens Crop Subgroup 4A and Leaf Petioles Crop Subgroup 4B

Amaranth (leafy amaranth, Chinese spinach, tampala) (Amaranthus spp.), Arugula (Roquette) (Eruca sativa), Cardoon (Cynara cardunculus), Celery (Apium graveolens var. dulce), Celery (Chinese) (Apium graveolens var. secalinum), Celtuce (Lactuca sativa var. angustana), Chervil (Anthriscus cerefolium), Chrysanthemum (edible-leaved) (Chrysanthemum coronarium var. coronarium), Chrysanthemum (garland) (Chrysanthemum coronarium var. spatiosum), Corn Salad (Valerianella locusta), Cress (garden) (Lepidium sativum), Cress (upland) (yellow rocket, winter cress) (Barbarea vulgaris), Dandelion (Taraxacum officinale), Dock (sorrel) (Rumex spp.), Endive (escarole) (Cichorium endivia), Fennel (Florence) (finochio) (Foeniculum vulgare var. azoricum), Lettuce (head and Leaf) (Lactuca sativa), Orach (Atriplex hortensis), Parsley (Petroselinum crispum), Purslane (garden) (Portulaca oleracea), Purslane (Winter) (Montia perfoliata), Radicchio (red chicory) (Cichorium intybus), Rhubarb (Rheum rhabarbarum), Spinach (Spinacia oleracea), Spinach (New Zealand) (Tetragonia tetragonioides, T. expansa), Spinach (vine) (Malabar spinach, Indian spinach) (Basella alba), and Swiss chard (Beta vulgaris var. cicla)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Leaves of Root and Tuber Vegetables (Human Food or Animal Feed) Crop Group 2

Beet (Garden) (Beta vulgaris), Beet (Sugar) (Beta vulgaris), Burdock (edible) (Arctium lappa), Carrot (Daucus carota), Cassava (Bitter and Sweet) (Manihot esculenta), Celeriac (celery root) (Apium graveolens var. rapaceum), Chervil (Turnip-Rooted) (Chaerophyllum bulbosum), Chicory (Cichorium intybus), Dasheen (taro) (Colocasia esculenta), Parsnip (Pastinaca sativa), Radish (Raphanus sativus), Radish (Oriental)(daikon) (Raphanus sativus subvar. longipinnatus), Rutabaga (Brassica campestris var. napobrassica), Salsify (Black) (Scorzonera hispanica), Sweet Potato (Ipomoea batatas), Tanier (cocoyam) (Xanthosoma sagittifolium), Turnip (Brassica rapa var. rapa), and Yam (True) (Dioscorea spp.)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Legume Vegetables (Succulent or Dried) Crop Group 6 and Foliage of Legume Vegetables Crop Group 7, Except Soybean (See Soybean section)

Bean (Lupinus spp.) (Grain Lupin, Sweet Lupin, White Lupin, White Sweet Lupin), Bean (Phaseolus spp.) (Field Bean, Kidney Bean, Lima Bean, Navy Bean, Pinto Bean, Runner Bean, Snap Bean, Tepary Bean, Wax Bean), Bean (Vigna spp.) (Adzuki Bean, Asparagus Bean, Blackeyed Pea, Catjang, Chinese Longbean, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean, Yardlong Bean), Pea (Pisum spp.) (Dwarf Pea, Edible-pod Pea, English Pea, Field Pea, Garden Pea, Green Pea, Snow Pea, Sugar Snap Pea), Broad Bean(fava bean) (Vicia faba), Chickpea (garbanzo bean) (Cicer arietinum), Guar (Cyamopsis tetragonoloba), Jackbean (Canavalia ensiformis), Lablab Bean (hyacinth bean) (Lablab purpureus), Lentil (Lens esculenta), Pigeon Pea (Cajanus cajan), and Sword Bean (Canavalia gladiata)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay, Damping-off, and Seedling Blight	0.08 - 0.16 fl. oz.
Diaporthe-Phomopsis disease complex, sometimes referred to as pod and stem blight (Phomopsis spp. and Diaporthe spp.)	
Restriction: Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Non-Grass Animal Feeds (Forage, Fodder, Straw, and Hay) Crop Group 18

Alfalfa (Medicago sativa subsp. sativa), Bean (velvet) (Mucuna pruriens var. utilis), Clover (Trifolium spp. and Melilotus spp.), Kudzu (Pueraria lobata), Lespedeza (Lespedeza spp.), Lupin (Lupinus spp.), Sainfoin (Onobrychis viciifolia), Trefoil (Lotus spp.), Vetch (Vicia spp.), Vetch (crown) (Coronilla varia), and Vetch (milk) (Astragalus spp.)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Pre-Grazing Interval (PGI): 30 days	
Do not apply more than 0.875 lbs, total fludioxonil per acre per year	

Onion, Bulb, Crop Subgroup 3-07A and Onion, Green, Crop Subgroup 3-07B

Chive (fresh leaves) (Allium schoenoprasum L.), Chive (Chinese, fresh leaves) (Allium tuberosum Rottler ex Spreng), Daylily (bulb) (Hemerocallis fulva (L.) L. var. fulva), Elegans hosta (Hosta sieboldiana (Hook.) Engl.), Fritillaria (bulb) (Fritillaria L. fritillary), Fritillaria (leaves) (Fritillaria L. fritillary), Garlic (bulb) (Allium sativum L. var. sativum), Garlic (great-headed, bulb) (Allium ampeloprasum L. var. ampeloprasum), Garlic (Serpent, bulb) (Allium sativum var. ophioscorodon), Kurrat (Allium kurrat Schweinf. ex. K. Krause), Lady's leek (Allium cernuum Roth), Leek (Allium ampeloprasum L. var. porrum (L.) J. Gay, A. porrum), Leek (wild) (Allium tricoccum Aiton), Lily (bulb) (Lilium spp.; Lilium leichtlinii var. maximowiczii, L. lancifolium), Onion (Beltsville bunching) (Allium x proliferum (Moench) Schrad.), Onion (bulb) (Allium cepa L. var. cepa), Onion (Chinese, bulb) (Allium chinense G. Don), Onion (fresh) (Allium fistulosum L.

Page 8 of 10

var. caespitosum Makino), Onion (green) (Allium cepa L. var. cepa), Onion (macrostem) (Allium macrostemon Bunge), Onion (pearl) (Allium porrum var. sectivum), Onion (potato, bulb) (Allium cepa L. var. aggregatum G. Don), Onion (tree, tops) (Allium x proliferum (Moench) Schrad. ex Willd.), Onion (Welsh, tops) (Allium fistulosum L.), Shallot (bulb) (Allium cepa var. aggregatum G. Don), Shallot (fresh leaves) (Allium cepa var. aggregatum G. Don), and Cultivars, varieties, and/or hybrids of these

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 1 lb. total fludioxonil per acre per year.	

Peanut

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Potato

Target Disease	Rate (Fl. Oz./100 Lbs. Of Seed)	Use Directions	
For protection against seed-	0.08	Sharda Fludioxonil 480 FS applications to potato seed pieces	
borne and soil-borne fungi which		must be made only through specific types of equipment.	
cause Seed Decay, Damping-off,		Please contact your Sharda USA LLC seed treatment	
and Seedling Blight		representative to obtain information on proper equipment	
		for application.	
		Potatoes Intended for Seed Production: As a resistance	
		management strategy, if Sharda Fludioxonil 480 FS is used on	
		potatoes intended for seed production, apply a labeled rate	
		of mancozeb seed treatment dust to seed tubers after the	
		Sharda Fludioxonil 480 FS treatment. If the mancozeb dust is	
		not used, then apply in-furrow azoxystrobin-containing	
		products over the seed tubers treated with Sharda	
		Fludioxonil 480 FS.	
110001100111	Restriction:		
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.			

Rapeseed Crop Subgroup 20A

Borage, Crambe, Cuphea, Echium, Flax seed, Gold of pleasure, Hare's ear mustard, Lesquerella, Lunaria, Meadowfoam, Milkweed, Mustard seed, Oil radish, Poppy seed, Rapeseed (canola), Sesame, and Sweet rocket

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Root Vegetables (Except Sugarbeet) Crop Subgroup 1B, Sugarbeet, and Tuberous and Corm Vegetables Crop Subgroup 1C, Except Potato (See Potato section)

Arracacha (Arracacia xanthorrhiza), Arrowroot (Maranta arundinacea), Artichoke (Chinese) (Stachys affinis), Artichoke (Jerusalem) (Helianthus tuberosus), Beet (garden) (Beta vulgaris), Beet (sugar) (Beta vulgaris), Burdock (edible) (Arctium lappa), Canna (edible) (Queensland arrowroot) (Canna indica), Carrot (Daucus carota), Cassava (Bitter and Sweet) (Manihot esculenta), Celeriac (celery root) (Apium graveolens var. rapaceum), Chayote (root) (Sechium edule), Chervil (turnip-rooted) (Chaerophyllum bulbosum), Chicory (Cichorium intybus), Chufa (Cyperus esculentus), Dasheen (Taro) (Colocasia esculenta), Ginger (Zingiber officinale), Ginseng (Panax quinquefolius), Horseradish (Armoracia rusticana), Leren (Calathea allouia), Parsley (turnip-rooted) (Petroselinum crispum var. tuberosum), Parsnip (Pastinaca sativa), Radish (Raphanus sativus), Radish (oriental) (daikon) (Raphanus sativus subvar. longipinnatus), Rutabaga (Brassica campestris var. napobrassica), Salsify (oyster plant) (Tragopogon porrifolius), Salsify (black) (Scorzonera hispanica), Salsify (Spanish) (Scolymus hispanicus), Skirret (Sium sisarum), Sweet Potato (Ipomoea batatas), Tanier (cocoyam) (Xanthosoma sagittifolium), Turmeric (Curcuma longa), Turnip (Brassica rapa var. rapa), Yam Bean (jicama, manoic pea) (Pachyrhizus spp.), and Yam (True) (Dioscorea spp.)

Target Disease	Use Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay,	0.08 - 0.16 fl. oz.
Damping-off, and Seedling Blight	
Restriction:	
Do not apply more than 0.875 lbs. total fludioxonil per acre per year.	

Soybean and Soybean, (immature seed) (edamame) (Glycine max)

Target Disease	Rate (Fl. Oz./100 Lbs. of Seed)			
For protection against seed-borne and	Sharda Fludioxonil 480 FS Application Rate			
soil-borne fungi which cause Seed Decay, Damping-off, and Seedling	Fl. Oz./100 Lbs. Seed	Fl. Oz./1,000 Seeds	Fl. Oz./140,000 Seeds	Mg A.I. /Seed*

Page 9 of 10

Blight	0.08	0.00027	0.0373	0.0038
	0.08	(0.0000084 lbs. a.i.)	(0.0012 lbs a.i.)	(0.0000000084 lbs. a.i.)
Diaporthe-Phomopsis disease	0.16	0.00053	0.0747	0.0076
complex, sometimes referred to as	0.16	(0.0000168 lbs. a.i.)	(0.002.3 lbs. a.i.)	(0.000000017 lbs. a.i.)
pod and stem blight (<i>Phomopsis</i> spp. and <i>Diaporthe</i> spp.)	*Based on an average seed weight of 3,000 soybeans/lb.			
,	Restriction: Do not apply more than 0.875 lbs. total fludioxonil per acre per year.			

Sunflower, Safflower, and Jojoba

Target Disease	Rate (Fl. Oz./100 Lbs. of Seed)
For protection against seed-borne and soil-borne fungi which cause Seed Decay, Damping-off, and Seedling	0.08 - 0.16 fl. oz.
Blight	Sunflower: 0.0025 - 0.005 mg a.i./seed (0.00000005.6 – 0.00000001.1 lbs. a.i.)
Restriction:	

• Do not apply more than 0.875 lbs. total fludioxonil per acre per year.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry, secure place. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of onsite or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING:

[Less Than or Equal to 5 Gallons] [Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. 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 ¼ 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. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.]

[Greater Than 5 Gallons] [Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.]

[For Bulk and Mini-Bulk Containers] [Refillable container. Refill this container with pesticide only. **DO NOT** use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by State and local authorities.]

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Sharda USA LLC and Seller harmless for any claims relating to such factors.

Sharda USA LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Sharda USA LLC and Buyer and User assume the risk of any such use. To

the extent consistent with applicable law, SHARDA USA LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Sharda USA LLC nor Seller shall be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA USA LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SHARDA USA LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Sharda USA LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Sharda USA LLC.

[All trademarks are the property of their respective owners.]