



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

59639-239

Date of Issuance:

7/23/20

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

S-2200 3.2 FS Fungicide

Name and Address of Registrant (include ZIP Code):

Valent U.S.A. LLC  
1600 Riviera Ave., Suite 200  
Walnut Creek, CA 94596-8025

**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/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 59639-239."
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:

*Shaja B. Joyner*  
Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

Date:

7/23/20

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 6/17/2019
- Alternate CSF 1 dated 6/18/2019
- Alternate CSF 2 dated 6/18/2019

If you have any questions, please contact Nathan Mellor by phone at 703-347-8562, or via email at [mellor.nathan@epa.gov](mailto:mellor.nathan@epa.gov)

Enclosure



**ACCEPTED**  
 07/23/2020  
 Under the Federal Insecticide, Fungicide  
 and Rodenticide Act as amended, for the  
 pesticide registered under  
 EPA Reg. No. 59639-239

**MANDESTROBIN    GROUP    11    FUNGICIDE**

[Bracketed text is optional]  
 [Bracketed *Italicized text is information for the reviewer*]

## S-2200 3.2 FS Fungicide

**A FUNGICIDE SEED TREATMENT PRODUCT PROVIDING SYSTEMIC FUNGICIDE PROTECTION AGAINST SEED AND SEEDLING DISEASES CAUSED BY *RHIZOCTONIA*, *FUSARIUM* AND SEED DECAY FUNGI**

Active Ingredient	By Wt
Mandestrobin* .....	35.1%
Other Ingredients .....	64.9%
Total	100.0%

\*(2RS)-2-{2-[(2,5-dimethylphenoxy)methyl]phenyl}-2-methoxy-N-methylacetamide  
 S-2200 3.2 FS Fungicide contains 3.2 lb active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE NEXT PAGE [BOOKLET] [PANEL] FOR PRECAUTIONARY STATEMENTS AND FIRST AID**

**EPA Reg. No. 59639-XXX  
 EPA Est.**

**NET CONTENTS**

### FIRST AID

- If swallowed:**
- Call a poison control center or doctor immediately for treatment advice.
  - Have person sip a glass of water if able to swallow.
  - **DO NOT** induce vomiting unless told to do so by the poison control center or doctor.
  - **DO NOT** give anything by mouth to an unconscious person.

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. You may also contact 800-892-0099 for emergency medical treatment information or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

**Harmful if swallowed. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.**

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Workers loading product, treating seed and conducting maintenance and calibration of the treater must wear:** long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material

**Workers involved with handling treated seed (including baggers, sewers and bag stackers) must wear:** long-sleeved shirt, long pants, socks and shoes

**Workers who load and plant treated seed must wear:** long-sleeved shirt, long pants, socks and shoes and chemical-resistant gloves made of any waterproof material when handling treated seed.

#### USER SAFETY REQUIREMENTS

Follow the 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.

### 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 pesticide is toxic to aquatic organisms.

## DIRECTIONS FOR USE

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**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 State or Tribal 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. 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:* Once the seeds are planted in soil, the WPS, under certain circumstances, allows workers to enter the treated area without restriction if there will be no worker contact with the soil subsurface or treated seed. PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, including plants, soil, or water, is: long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material.

**DISCLAIMER, RISKS OF USING THIS PRODUCT,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

**IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.**

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

To the extent consistent with applicable law, Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. To the extent consistent with applicable law, Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the Risks of Using This Product as described above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

**To the extent consistent with applicable law, Valent or Seller shall not be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR 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 THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

**PROMPT NOTICE OF CLAIM**

Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

**COMMERCIAL TANK MIX**

NOTICE: Commercial tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, consistent with applicable law

**Read and follow the entire label of each product to be used in the commercial tank mix with this product.**

## APPLICATION INSTRUCTIONS

### RESTRICTIONS

S-2200 3.2 FS Fungicide must be used only in accordance with use instructions on this label utilizing mechanical, slurry or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. This product is for both commercial and on-farm application. **DO NOT** apply this product in a hopper-box or planter-box at planting time. Always mix product thoroughly before use.

As stated by regulations specified in 40 CFR 153.155, all seed treated with S-2200 3.2 FS Fungicide must be colored with an EPA-approved dye or colorant to visually distinguish seed is treated with a pesticide. It is mandatory that such dye or colorant be added into the slurry mixture containing S-2200 3.2 FS Fungicide, prior to application. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.

### MODE OF ACTION

S-2200 3.2 FS Fungicide belongs to the strobilurin or Quinone Outside Inhibitors (QoI) class (Group 11) of fungicides as classified by the Fungicide Resistance Action Committee (FRAC).

### SEED QUALITY AND STORAGE OF TREATED SEED

Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (S-2200 3.2 FS Fungicide alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Use proper storage conditions for treated seed. Due to seed quality and seed storage conditions beyond the control of Valent U.S.A. LLC, no claims are made to guarantee the germination of carry-over treated seed.

### SEED BAG TAG

The Federal Seed Act requires that bags containing treated seed be labeled or tagged with the following information:

- This seed has been treated with S-2200 3.2 FS Fungicide containing mandestrobin.
- **DO NOT** use for feed, food or oil processing.

In addition, the U.S. Environmental Protection Agency requires the following statements on the container of seed treated with S-2200 3.2 FS Fungicide:

- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material when handling treated seed.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements. **DO NOT** contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.

## USE INFORMATION

S-2200 3.2 FS Fungicide is a systemic fungicide seed protection product for use on a wide range of crops. The active ingredient, mandestrobin provides protection against *Rhizoctonia solani*, *Fusarium* spp. and seed decay fungi causing seed rot, seedling dieback and root rot.

For best results, use S-2200 3.2 FS Fungicide in combination with Oomycete-active fungicide(s) providing activity against *Pythium* spp., *Phytophthora* spp. and seedling downy mildew disease to protect against seed rot and seedling dieback. Fungicide combinations applied to seed offer a wider spectrum of activity against seed and seedling diseases impacting plant stand establishment and seedling health.

## APPLICATION DIRECTIONS

Accurate application of S-2200 3.2 FS Fungicide to seed is required for best performance. Thoroughly mix S-2200 3.2 FS Fungicide in the desired seed slurry mixture, prior to application to seed. **Pre-test tank mixtures with other seed treatment products to evaluate formulation compatibility and to ensure proper physical compatibility of products. Follow the most restrictive limitations or cautions on labels of all products used in a seed treatment mixture. DO NOT tank mix with any products which contain a prohibition on tank mixing.**

The following tables provide use rates of S-2200 3.2 FS Fungicide by labeled crop, with disease protection guidelines.

<b>Corn (field corn, popcorn and sweet corn)</b>	
<b>Disease Protection Claims</b>	<b>Application Rate of S-2200 3.2 FS Fungicide (fl oz per 100 lb seed)</b>
<i>Rhizoctonia solani</i> <i>Fusarium</i> spp. Seed decay fungi causing seed rots	0.24[to 0.4] (6[to 10] g ai/100 kg seed)  <b>Field Corn:</b> To deliver 6 [to 10] g ai/100 kg seed, apply 0.12[to 0.2] fl oz per 80,000 seed (equals 0.01704[to 0.0284] mg ai/seed) based on 1600 seed/lb count. The maximum rate for treating Field corn seed is 10 g ai/100 kg seed (0.2 fl oz per 80,000 seed; 0.0284 mg ai/seed).  <b>Sweet Corn:</b> To deliver 6[to 10] g ai/100 kg seed, apply 0.076[to 0.127] fl oz per 100,000 seed (equals 0.0086[to 0.143] mg ai/seed) based on 3150 seed/lb count. The maximum rate for treating Sweet corn seeds is 10 g ai/100 kg seed (0.127 fl oz per 100,000 seed; 0.143 mg ai/seed).  <b>Popcorn:</b> To deliver 6[to10] g ai/100 kg seed, apply 0.079[to 0.132] fl oz per 100,000 seed (equals 0.0089[to 0.0148] mg ai/seed) based on 3061 seed/lb count. The maximum rate for treating Popcorn seed is 10 g ai/100 kg seed (0.132 fl oz per 100,000 seed; 0.0148 mg ai/seed).



<b>Sorghum, grain (milo)</b>	
<b>Disease Protection Claims</b>	<b>Application Rate of S-2200 3.2 FS Fungicide (fl oz per 100 lb seed)</b>
<i>Rhizoctonia solani</i> <i>Fusarium</i> spp. Seed decay fungi causing seed rots	0.4 (10 g ai/100 kg seed) To deliver 10 g ai/100 kg seed, apply 0.022 fl oz per 100,000 seed (0.0025 mg ai/seed) based on 18,000 seed/lb count

<b>Legume Vegetables (Succulent or Dried) Crop Group 6</b>	
<p>Bean (<i>Lupinus</i> spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); bean (<i>Phaseolus</i> spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, topiary bean, wax bean); bean (<i>Vigna</i> spp.) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean); broad bean (fava); chickpea (garbanzo); guar; jackbean; lablab bean (hyacinth bean); lentil; pea (<i>Pisum</i> spp.) (includes dwarf pea, edible-podded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea); pigeon pea; soybean; soybean (immature seed); sword bean</p>	
<b>Disease Protection Claims</b>	<b>Application Rate of S-2200 3.2 FS Fungicide (fl oz per 100 lb seed)</b>
<i>Rhizoctonia solani</i> <i>Fusarium</i> spp. <i>Phomopsis</i> spp. Seed decay fungi causing seed rots	0.4 (10 g ai/100 kg seed)  <b>Soybean:</b> To deliver 10 g ai/100 kg seed, apply 0.2 fl oz per 140,000 seed (equals 0.0162 mg ai/seed) based on 2800 seed/lb count  <b>Bean:</b> To deliver 10 g ai/100 kg seed, apply 0.25 fl oz per 100,000 seeds (equals 0.0284 mg ai/seed) based on 1600 seed/lb count  <b>Pea:</b> To deliver 10 g ai/100 kg seed, apply 0.125 fl oz per 100,000 seeds (equals 0.0142 mg ai/seed) based on 3181 seed/lb count

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage, disposal, or cleaning of equipment.

### STORAGE

Keep pesticide in original container.

Store in a dry place away from excessive heat.

**DO NOT** store near food or feed.

**DO NOT** put pesticide into food or drink containers.

Not for use or storage around the home.

To close package, replace and tighten cap to form an airtight seal.

### PESTICIDE DISPOSAL

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

### CONTAINER HANDLING

*[Use the following statement for containers equal to or less than 5 gallons]*

[Nonrefillable container. **DO NOT** reuse or refill this container. Clean container 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 1/4 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. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.]

*[Use the following statement for rigid nonrefillable containers greater than 5 gal or 50 lb]*

[Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.]

*[Use the following statement for all refillable container types]*

[Refillable container. Refill this container with pesticide only. **DO NOT** reuse 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 refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent 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. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.]

### RECYCLING

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 877-952-2272 (toll free) or [www.acrecycle.org](http://www.acrecycle.org).

©2020 Valent U.S.A. LLC

Manufactured For:  
Valent U.S.A. LLC  
P. O. Box 5075  
San Ramon, CA 94583-0975  
(800)-682-5368

Made in U.S.A.

EPA Reg. No. 59639-XXX  
EPA Est.

059639-00EGO.20200722.S-2200\_3.2\_FS.NewProd.Clean