**Vibrance**

**Syngenta**

**Fungicide**

A seed treatment for protection against certain diseases of barley, oat, rye, soybean, triticale, wheat, dried shelled peas and beans, chickpeas, lentils and fava beans, cotton, sorghum, sugar beet, rapeseed subgroup (including canola) and corn.

Active Ingredients:
Sedaxane (CAS No. 874967-67-6) ........... 43.7%

Other Ingredients: M 56.3%

Total: ........................................ 100.0%

Contains 4.3 pounds sedaxane per gallon.

**KEEP OUT OF REACH OF CHILDREN. CAUTION.**

See additional precautionary statements and directions for use on label.

EPA Reg. No. 100-1374  EPA Est. 100-NE-001

SCP 1374-A-L3E 0715  4055163

**PRODUCT ID: 46672**

**15 gallons Net Contents**

**FIRST AID**

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have the product container or label with you. 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 in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses. If persistent irritation occurs, consult a doctor.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Do not rub. If on skin, wash with soap and water for 15-20 minutes. If on clothing, change clothing.

**If inhaled:** Move person to fresh air. If not breathing, call 911 or an ambulance. Give artificial respiration, preferably by mouth-to-mouth method, if possible. Call a poison control center or doctor for treatment advice.

**In case of contact with clothing:** Wash all clothing used to handle product with detergent and hot water. Etc., and wash separately from other laundry.

**ENGINEERING CONTROLS**

When handling, use closed systems, enclosed, or cuffed-a in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 1910.146-147). The WPS requirements may be reduced or modified as specified in the WPS.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION.**

If swallowed, wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Personal Protective Equipment (PPE):**

Some materials that are chemical-related to this product are listed below. If you want more options follow the instructions for Category 4 in an OP-1 chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as neoprene or nitrile rubber gloves. Any gloves which are chemical-resistant to ethylene dichloride will be adequate.
- Shoes with non-slip soles.

Follow manufacturer's instructions for cleaning/maintaining PPE. If such instructions are not available, wash with detergent and hot water. Place and wash PPE separately from other laundry.

**User Safety Recommendations:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if splashed or soaked with material. Wash thoroughly and put on new clothing.
- Remove PPE immediately if spilling or spilling/popping. Wash thoroughly and change into new clothing.

**Environmental Hazards:**

Do not contaminate water when disposing of equipment wastewater or fertilizer.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE.** Read the entire Directions for Use and Conditions of Sale and Limitation of Liability before buying or using this product. If you 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 inherent associated with the use of this product. Crops, growing conditions, or other unintended consequences may result in some of these factors as a result of use or application, whether or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and Seller agree to hold SYNGENTA and Seller harmless for any claim relating to such factors.

SYNGENTA warrants that this product, conform to the chemical description on the label and is 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 usual crop conditions. To the extent permitted by applicable law, Seller shall not be held responsible for the use of this product contrary to label instructions unless conditions not reasonably foreseeable or not beyond the control of Seller or SYNGENTA and as Buyer and Buyer agree the risks of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS VARYING BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, commercial, or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT. SYNGENTA and Seller offer this product, and Buyer and User accept, 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 SYNGENTA.

**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 are allowed 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 190. This regulation contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouse and trailers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and restrictions pertaining to the statement on the label about personal protective equipment (PPE), notification to workers, and restriction to intended use. The requirements in this box only apply to users of the product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: If the treated product is self-applied or self-applied, and 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 includes contact with anything that has been treated, such as plants, soil, or water is:

- Goggles
- Chemical-resistant gloves such as nitrile, rubber, neoprene, or butyl rubber
- Protective (N95) face mask, respirator, or dust mask
- Shoe/foot protection

Failure to follow the DIRECTIONS FOR USE and PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR IRREGULAR RESULTS.

**PRODUCT INFORMATION**

Vibrance is a seed treatment fungicide which provides protection against certain soil-borne and seedborne diseases of crop plants. Vibrance is effective against seed and seedling blights or damping off caused by certain soilborne and seedborne pathogens, including Pythium spp. Vibrance is particularly effective against certain small seed diseases in cereals. When rain conditions are shown, the higher the risk of disease pressure is expected to be severe.

**CROP USE PRECAUTIONS**

**GROUP 7 FUNGICIDE**

**Resistance Management:**

Vibrance contains sedaxane, a Group 7 fungicide. Sedaxane belongs to the carboxamide class of chemistry and is a succinate dehydrogenase inhibitor (SDHI). SDHIs inhibit fungal metabolism by binding to the succinate dehydrogenase enzyme thereby disrupting cellular respiration and energy generation.

Fungal populations may contain individuals naturally resistant to group 7 fungicides. If group 7 fungicides are used repeatedly in the same fields, then resistant populations may be significantly diminished. These resistant populations may not be controlled by products that are resistant. Natural selection cannot be predicted, the use of this product should confirm to sound resistance management strategies established for the crop and use.

Seed treatment should be based on an IPM program that includes field scouting, scouting, historical information related to pesticide use, and crop rotation. The IPM program should also consider cultural, biological, and other chemical control practices.

Where possible, rotate or use the group of fungicides with fungicide group which has resistance does not develop.

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

For additional information on fungicide resistance management:

- Contact Syngenta representative at 1-800-334-9481
- Contact your local extension specialist or certified crop advisor
- Visit the fungicide resistance Action Committee (RAC) on the web at: https://www.rac.info

**ROTATIONAL CROP RESTRICTIONS**

Following sedaxane treated seeds except potato seed pieces:

- All crops that have not been treated with sedaxane may be planted 30 days after planting sedaxane treated seeds.
- All crops treated with sedaxane may be reseeded immediately without the exception of potato.

Following potato seed pieces treated with sedaxane:

- All crops that have not been treated with sedaxane may be planted 60 days after planting sedaxane treated seeds.
- All crops treated with sedaxane other than potato may be reseeded immediately.

In states where sedaxane treated potato seed pieces may be planted for a 60-month period following planting of sedaxane treated potato seed pieces.
GROUP 7 Fungicide

continued from label attached to front of container...

MIXING INSTRUCTIONS

Apply Vineguard as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Leaks or incomplete seed coverage may not give the desired level of control. Thoroughly mix the specified amount of Vineguard into the required amount of water for the daily treating and dilution rate to be used. Follow the manufacturer's application instructions to prevent seed treatment equipment from being used. Maintain constant agitation of the slurry during the treatment. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed to be treated in 40 CFR 152.155(a). Allow seed to dry before handling.

Vineguard does not control diseases caused by Phytophthora or Myrothecium roridum. If these diseases are expected to be a problem, apply Vineguard with Amonox® or other seed treatment products that contain fenoxycarb as an active ingredient. If Amonox is not registered in that country, apply Vineguard 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 label use instructions for the products.

Follow all federal, state, and local regulations for the most restrictive of label precautions and limitations. This product cannot be mixed with any product containing a label prohibition against mixing.

TANK MIXES

Small grain cereals (Amber, Barley, Oats, Rye, and Triticale) tank mix when a fungus is suspected with the diseases that are not controlled by Vineguard. Vineguard may be mixed with Divined XL® SBP, Divined Extreme® Fungicide, Maxin® 45% or Merhert® 65% for broad spectrum disease control. Vineguard may be mixed with Crusade® 25% for additional control of seedling blight and damping-off caused by Rhizoctonia solani. Vineguard may be mixed with Rainee® 19% and with any fungicide used to prevent the disease that is suspected. Consult the label for appropriate use rate and follow label use instructions for the products.

Follow all federal, state, and local regulations for the most restrictive of label precautions and limitations. This product cannot be mixed with any product containing a label prohibition against mixing.

SEED LABEL REQUIREMENTS

The federal Seed Act requires that bags containing treated seed shall be labeled with the following statements:

- This seed has been treated with Vineguard fungicide.
- Do not use for food, feed, or animal feed.
- Use is responsible for ensuring that the seed bag meets requirements under the federal Seed Act.

In addition, if the following the US Environmental Protection Agency requires any statements on bags containing seed treated with Vineguard fungicide:

- Some seeds may be treated with seed treatments other than Vineguard fungicide.
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CALL IN FOR ADVICE ON HOW TO USE SEEDS WITH SEED TREATMENTS.

Follow all federal, state, and local regulations for the most restrictive of label precautions and limitations.

CROP USE DIRECTIONS

Restrictions:

The maximum number of applications per year is 2.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Disease Controlled</th>
<th>Fluid ounces formulated product/100 pounds of seed</th>
<th>mg active ingredient per seed having an average seed count of 5,900 seeds per pound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybeans</td>
<td>Seed Decay, Damping-off caused by Rhizoctonia solani</td>
<td>0.075-0.15</td>
<td>0.008-0.017</td>
</tr>
</tbody>
</table>

DO NOT CONTAIN WATER, FOOD, OR FEED OF ANY KIND.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surface, remove to a channel to waste disposal system and then dispose of properly as directed.

Pesticide Disposal

Pesticide waste is toxic. Improper disposal of excess pesticide, empty containers, or inert mixtures is a violation of Federal law. If these wastes are not disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, the United States Environmental Protection Agency, or the nearest EPA Regional Office for guidance.

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

Vineguard® is a trademark of Syngenta Group Company.

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Manufactured for: Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419-8300

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SYNGENTA AGRICULTURAL PRODUCTS, LP