


100-1374

6/20/2012

jache 12

 U S ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave N W Washington D C 20460 NOTICE OF PESTICIDE <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA as amended)	EPA Reg Number 100- 1374	Date of Issuance JUN 2 0 2012
	Term of Issuance Unconditional	
	Name of Pesticide Product Vibrance™	
Name and Address of Registrant (include ZIP Code) Syngenta Crop Protection, Inc P O Box 18300 Greensboro, NC 27419		
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.		
<p>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.</p> <p>This product is registered in accordance with FIFRA section 3(c)(5) provided that you revise the EPA Registration Number to read, "EPA Reg No 100- 1374 "</p>		
Signature of Approving Official Marcel Howard, Acting Product Manager (20) Fungicide Branch, Registration Division (7505P)		Date JUN 2 0 2012

Page 1 of 2

A stamped copy of the label is enclosed for your records

Sincerely,

Marcel Howard
Acting Product Manager (20)
Fungicide Branch
Registration Division (7505P)

Enclosure Label stamped "Accepted"

30f12

[Booklet]

Vibrance™**Fungicide**

A seed treatment for protection against certain diseases of barley canola, oat rye, soybean, triticale, and wheat

Active Ingredient	
Sedaxane (CAS No 874967-67-6)	45 45%
Other Ingredients	54 55%
Total	100 0%

Contains 4 3 pounds sedaxane per gallon

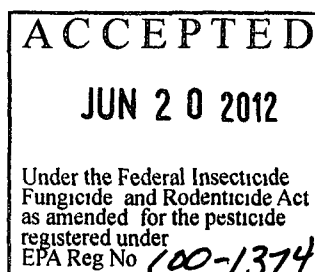
KEEP OUT OF REACH OF CHILDREN**CAUTION**

See additional precautionary statements and directions for use inside booklet

EPA Reg No 100-

EPA Est

1 quart
1 gallon
7 5 gallons
15 gallons
30 gallons
110 gallons



FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have the 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 to an unconscious person
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses, if present, after the first five minutes, then continuing rinsing eye • Call a poison control center or doctor for treatment advice
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing, call 911 or an ambulance then give artificial respiration preferably by mouth-to-mouth, if possible • Call a poison control center or doctor for treatment advice
Have the product container or label with you when calling a poison control center or doctor, or going for treatment	
<p align="center">HOT LINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill Leak Fire or Accident) Call 1-800-888-8372</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful 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-resistant to this product are listed below If you want more options follow the instructions for Category A on an EPA chemical resistance category selection chart

Applicators and other handlers must wear

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

Follow 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.

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/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

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather 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 User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential 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 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 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 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), notifications to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. 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, such as plants, soil, or water is:

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

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

PRODUCT INFORMATION

Vibrance is a seed treatment fungicide which provides protection against certain soil-borne and seed-borne diseases of crop plants. Vibrance is effective against seed and seedling blight or damping off caused by, certain seed and soil borne pathogens, including *Rhizoctonia* sp. in plants. Vibrance is particularly effective against certain smut diseases in cereal crops. Where rate ranges are shown, use the higher rate when disease pressure is expected to be severe.

MIXING INSTRUCTIONS

Apply Vibrance as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the specified amount of Vibrance into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer application instructions for the seed treatment equipment 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 as stated in 40 CFR 153.155 (c). Allow seed to dry before bagging.

Vibrance does not control diseases caused by *Pythium* spp. or *Phytophthora* spp. If these diseases are expected to be a problem, apply Vibrance with Apron XL® LS or seed treatment products that contain mefenoxam as active ingredients. If Apron XL LS is not registered on that crop, apply Vibrance 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.

Follow the label directions for the most restrictive of label precautions and limitations. This product cannot be mixed with any product containing a label prohibition against such mixing.

TANK MIXES

Small-grain cereals (Wheat, Barley, Oats, Rye, and Triticale) Tank mix when a problem is expected with the diseases that are not controlled by Vibrance. Vibrance fungicide may be mixed with Dividend XL RTA® Fungicide or Dividend Extreme® Fungicide for broad spectrum disease control of cereals. For protection from various insects, Vibrance fungicide may be mixed with Cruiser® 5FS insecticide along with specified rates of Dividend Extreme seed treatments in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. For combined protection from labelled insect pests and soil- and seed-borne pathogens, Vibrance fungicide may be mixed with Cruiser Maxx® Cereals seed treatment or Cruiser Maxx Cereals commercial seed treatment. Follow all appropriate directions, precautions, as specified on the respective product labels.

SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that bags containing treated seeds shall be labeled with the following statements

- This seed has been treated with sedaxane fungicide
- Do not use for feed, food, or oil purposes
- User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act

In addition, the U S Environmental Protection Agency requires the following statements on bags containing seed treated with Vibrance fungicide

- Store away from food and feedstuffs
- Do not allow children, pets or livestock to have access to treated seeds
- Wear long-sleeved shirt long pants and waterproof gloves when handling treated seed
- Treated seeds exposed on soil surface may be hazardous to wildlife Cover or collect treated seeds spilled during loading
- Dispose of all excess treated seed Left over treated seed may be doublesown around the headland or buried away from water sources in accordance with local requirements Do not contaminate water bodies when disposing of planting equipment washwater
- Dispose of seed packaging in accordance with local requirements
- In the event of crop failure or harvest of a crop grown from Vibrance treated seed, the field may be replanted immediately to canola, soybean and cereal grains (barley, oat, rye, triticale, and wheat) All other crops may be planted no less than 30 days after planting treated seeds
- 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 pesticide remain in ethanol by-products that are used for agronomic practice
- The maximum number of applications per season is 2

CROP USE DIRECTIONS

Restrictions

The maximum number of applications per season is 2

Crop	Disease Controlled	fluid ounces per 100 lbs of seed	grams ai per 100 kg of seed	Comments
Barley	True Loose Smut caused by <i>Ustilago nuda</i>	0.08 – 0.16	2.5 – 5	<ul style="list-style-type: none"> Use the low rate (0.08 fluid ounces per 100 lbs) for control of pre emergent damping off seed decay or seedling blight For extended control of post emergent damping off and seedling blight or high disease pressure due to short cropping rotations or high levels of seed borne infections like smuts use the high rate (0.16 fluid ounces per 100 lbs)
Barley Wheat Oats Rye Triticale	Seed Decay Seedling Blight and Damping-off caused by <i>Rhizoctonia solani</i>	0.08 – 0.16	2.5 – 5	
Wheat	Loose smut caused by <i>Ustilago tritici</i>	0.08 – 0.16	2.5 – 5	

Crop	Disease Controlled	Use Rate	
		fluid ounce formulated product/100 pounds of seed	mg active ingredient per seed (using an average seed count of 3000 seeds per pound)
Soybeans	Seed Decay Seedling Blight and Damping-off caused by <i>Rhizoctonia solani</i>	0.08-0.16	0.0015 – 0.0075

Crop	Disease Controlled	Use Rate	
		fluid ounce formulated product/100 pounds of seed	grams active ingredient/100 kg of seed
Canola	Seed Decay Seedling Blight and Damping-off caused by <i>Rhizoctonia solani</i>	0.08-0.16	2.5 – 5

STORAGE AND DISPOSAL

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

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 surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling [less than 5 gallons]

Non-refillable 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 $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this 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 Handling [greater than 5 gallons]

Non-refillable 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 $\frac{1}{4}$ 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. 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 Handling [Bulk/Mini-bulk]

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 refiller. To clean 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. 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.

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 and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER

Apron XL®, Dividend Extreme®, Dividend XL RTA®, Cruiser® 5FS, Cruiser Maxx®, and the Syngenta Logo are Trademarks of a Syngenta Group Company.

Viton® is a trademark of E. I. duPont de Nemours and Company, Inc.

©20__ Syngenta

Manufactured for
Syngenta Crop Protection, LLC
P O Box 18300
Greensboro, North Carolina 27419-8300