



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505T)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

101627-1

Date of Issuance:

3/6/24

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

VIBepro PTZ SC

Name and Address of Registrant (include ZIP Code):

Jennifer Stafford, Principal Consultant  
 Compliance Services International Agent  
 for Qingdao Audis Bio-Tech Co., Ltd 7501  
 Bridgeport Way West  
 Lakewood, WA 98499-2423

**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 (FIFRA).

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.

*Continues page 2*

Signature of Approving Official:

Fungicide Branch, Registration Division  
 Office of Pesticide Programs

Date:

3/6/24

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 101627-1."
3. Submit one copy of the 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 FIFRA 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) lists 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.

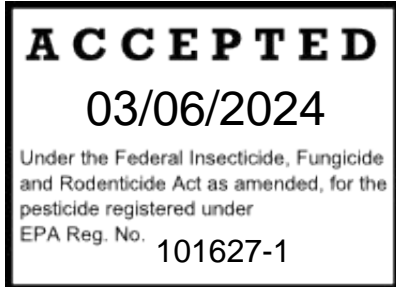
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF:

- Basic CSF dated 06/29/2022

If you have any questions, please contact Kristy Crews by phone at (202) 566-1813, or via email at Crews.Kristy@epa.gov; or Craig Reeves by phone at (202) 566-2869, or via email at Reeves.Craig@epa.gov

Enclosure



PROTHIOCONAZOLE GROUP 3 FUNGICIDE

# VIBEPRO PTZ SC

For Control of specified diseases on listed crops

<b>Active Ingredient:</b> Prothioconazole 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione .....	42.5%
<b>Other Ingredients</b> .....	57.5%
<b>Total:</b>	100.0%

Contains 4.16 pounds Prothioconazole per gallon

EPA Reg. No. 101627-XXX

EPA Est. No. 101627-CHN-1

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

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-222-1222  
For **PRODUCT USE** Information Call 1-800-858-7378

Please refer to [back][side] panel [leaflet][booklet] for complete precautionary statements and directions for use. [Note to reviewer: Location of additional precautionary statements and directions for use will vary between those listed, depending on container type/size.]

### FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li><b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li><b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

**For MEDICAL Emergencies Call 24 Hours A Day 1-800-222-1222.**

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. For information about this product, call Qingdao Audis at +86 53287978808 or email [kfzx@hailir.cn](mailto:kfzx@hailir.cn) (China), 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/>

**NOTE TO PHYSICIAN:** No specific antidote. Treat symptomatically.

**Manufactured by:**  
Qingdao Audis Bio-Tech Co., Ltd.  
Changyang Industrial Zone, Laixi City  
Qingdao, China

**NET CONTENTS:**  
**[Batch Code will be placed on the container.]**  
Product of China

## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION:

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with 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 before reuse.

#### Personal Protective Equipment

##### Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils or viton  $\geq 14$  mils.
- Shoes plus socks

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

#### Engineering Control Statements

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

### User Safety Statements

#### Users must

- 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

This product is toxic to estuarine/marine invertebrates, and freshwater/estuaries/marine aquatic plants. For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

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

Drift and runoff are hazardous to aquatic organisms in water adjacent to treated areas. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of prothioconazole and degradates from runoff water and sediment. To reduce runoff of this product **DO NOT** apply when rainfall or irrigation is expected to occur within 48 hours.

## DIRECTIONS FOR USE

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

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

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

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Some crops have longer crop-specific REI's. Crop specific REI's are listed in the Directions for Use section associated with the crop.

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 made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils or viton  $\geq$  14 mils.
- Shoes plus socks.

## PRODUCT INFORMATION

VIBEPRO PTZ SC is a broad-spectrum systemic fungicide for the control of Ascomycetes, Basidiomycetes and Deuteromycetes diseases in a variety of crops including barley, buckwheat, bushberry subgroup, low growing berry subgroup (except strawberry), corn, cotton, cucurbit vegetables, dry shelled pea and bean crop subgroup, millet, oats, peanuts, rapeseed subgroup 20A (including canola and *Brassica carinata*), rice, rye, soybean, sugar beets, triticale, wheat; conifer and hardwood nursery seeds and seedlings. Under conditions conducive to extended infection periods or high disease pressure, additional fungicide applications beyond the number allowed by this label may be needed. Under these conditions use another fungicide registered for the crop/disease. Equipment must be properly calibrated before use.

## USE RESTRICTIONS

### Spray Equipment/Volumes

VIBEPRO PTZ SC may be applied by either ground, aerial and/or chemigation application equipment. Refer to the USE DIRECTIONS FOR SPECIFIC CROPS section of this label for approved applications for each crop. **DO NOT** apply VIBEPRO PTZ SC with mechanically pressurized handgun equipment.

Apply in a minimum of 10 gallons of spray solution per acre by ground sprayer. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment unless stated differently elsewhere in this label. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

### Mixing Procedures

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.

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

**VIBEPRO PTZ SC Alone:** Add  $\frac{1}{2}$  of the required amount of water to the mix tank. With the agitator running, add the VIBEPRO PTZ SC to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the product has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**VIBEPRO PTZ SC + Tank-Mix Partners:** Add  $\frac{1}{2}$  of the required amount of water to the mix tank. Start the agitator running before adding any of the tank-mix partners. Add tank-mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

When using VIBEPRO PTZ SC in tank mixtures, add all products in water-soluble packaging to the tank before any other tank-mix partner, including VIBEPRO PTZ SC. Allow the water-soluble packaging to completely disperse before adding any other tank-mix partner to the tank.



**Aerial Application: DO NOT APPLY** under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. **DO NOT** apply directly to humans or animals.

**Chemigation Application:** Apply VIBEPRO PTZ SC through irrigation equipment only to crops for which chemigation is specified on this label.

VIBEPRO PTZ SC alone or in combination with other pesticides, which are registered for application through irrigation systems, may be applied through irrigation systems. Apply this product only through center pivot, solid set, drip, linear, or moving wheel irrigation systems. **DO NOT** apply this product through any other type of irrigation system. Illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts. **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments when the need arises.

### Operating Instructions

1. The system must contain a functional check-valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, like for example, a positive displacement injection pump (e.g., diaphragm pump), effectively designed, and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. **DO NOT** apply when wind speed is high enough to allow drift beyond the area intended.

### Center Pivot Irrigation Equipment

Notes: (1) Use only with drive systems, which provide uniform water distribution. (2) **DO NOT** use end guns when chemigating VIBEPRO PTZ SC through center pivot systems because of non-uniform application.

Determine the size of the area to be treated. Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer. When applying VIBEPRO PTZ SC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity. Using water, determine the injection pump output when operated at normal line pressure. Determine the amount of VIBEPRO PTZ SC required to treat the area covered by the irrigation system. Add the required amount of VIBEPRO PTZ SC and sufficient water to meet the injection time requirements to the solution tank. Make sure the system is fully charged with water before starting injection of the VIBEPRO PTZ SC solution. Time the injection to last at least as long as it takes to bring the system to full pressure. Maintain constant solution tank agitation during the injection period. Continue to operate the system until the VIBEPRO PTZ SC solution has cleared the sprinkler head.

### Solid Set and Moving Wheel Irrigation Equipment

When applying VIBEPRO PTZ SC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Determine the amount of VIBEPRO PTZ SC required to treat the area covered by the irrigation system. Add the required amount of VIBEPRO PTZ SC into the same quantity of water used to calibrate the injection period. Operate the system at the same pressure and time interval established during the calibration. Stop injection equipment after treatment is completed. Continue to operate the system until the VIBEPRO PTZ SC solution has cleared the last sprinkler head.

### Using Water from Public Water Systems

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, discharge the water from the public water system into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, like for example, a positive displacement injection pump (e.g., diaphragm pump) effectively designed and

constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

**Adjuvants:** VIBEPRO PTZ SC is to be used with a registered non-ionic surfactant at the lowest specified label rate for most crops. Refer to the individual crop directions for those specific uses where a surfactant is not to be included.

## ROTATIONAL RESTRICTIONS

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

### MANDATORY SPRAY DRIFT

#### Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzles and pressure that deliver medium to coarse droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE §572).
- The boom length must not exceed 65% of the wingspan for airplane or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

#### Ground Boom Applications:

- Apply with the nozzle height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy. For all other ground applications, the nozzle must be no more than 3 feet from the target vegetation.
- Applicators must select nozzles and pressure that deliver medium to coarse droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE §572).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions

## SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS

### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, use a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size. If a higher flow rate is needed, use higher flow rate nozzles instead of increasing pressure. **DO NOT** exceed the nozzle manufacturer's specified pressures.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Use the minimum number of nozzles that provide uniform coverage. Use nozzles designed to reduce drift.

#### Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturer's directions for setting up nozzles. To reduce fine droplets, orient nozzles parallel with the airflow in flight.

#### BOOM HEIGHT – Ground Boom

- Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, keep the boom level with the crop and have minimal bounce.



**BOOM LENGTH - Aircraft**

- Reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may reduce drift without reducing swath width.

**SWATH ADJUSTMENT - Aircraft**

- When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for the displacement by adjusting the path of the aircraft upwind. Increase swath adjustment distance with increasing drift potential (higher wind, smaller drops, etc.)

**RELEASE HEIGHT - Aircraft**

- Higher release heights increase the potential for spray drift. When applying aurally to crops, DO NOT release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

**SHIELDED SPRAYERS**

- Shielding the boom or individual nozzles can reduce spray drift. If possible, use shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

**TEMPERATURE AND HUMIDITY**

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

**TEMPERATURE INVERSIONS**

- Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. DO NOT make applications during temperature inversions.

**WIND**

- Drift potential increases with wind speed. DO NOT MAKE APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

**BOOM-LESS GROUND APPLICATIONS**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

**HANDHELD TECHNOLOGY APPLICATIONS**

- Take precautions to minimize spray drift.

**SENSITIVE AREAS**

- Application when drift potential is minimal (e.g., when wind is blowing away from the sensitive areas) will reduce the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops).

**FUNGICIDE RESISTANCE MANAGEMENT (FRAC) GUIDELINES**

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE
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For resistance management, VIBEPRO PTZ SC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to VIBEPRO PTZ SC and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Follow appropriate resistance-management strategies.

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

- Rotate the use of VIBEPRO PTZ SC or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide 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 utilizes host plant resistance, modeling 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 guidelines for specific crops and pathogens.
- For further information or to report suspected resistance contact Hailir at + 86-532-87978808. You can also contact your pesticide distributor or university extension specialist to report resistance.

## USE DIRECTIONS FOR SPECIFIC CROPS

VIBEPRO PTZ SC provides control or suppression of many important diseases of barley, buckwheat, bushberry subgroup, low growing berry subgroup (except strawberry), corn, cotton, cucurbit vegetables, dry shelled pea and bean crop subgroup, rice, millet, oats, peanuts, rapeseed subgroup 20A (including canola and *Brassica carinata*), rye, soybean, sugar beets, triticale, wheat; conifer and hardwood nursery seeds and seedlings. When reference is made to disease suppression, suppression can mean either erratic control from good to fair or consistent control at a level below that obtained with the best commercial disease control products.

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Barley	Fusarium Head Blight ( <i>Fusarium</i> spp.) (Suppression Only)	4.8 – 5.5 fl oz/A (0.156 - 0.178 lbs ai/A)
	<b>Leaf and Stem Diseases</b> Net Blotch ( <i>Pyrenophora teres</i> ) Powdery Mildew ( <i>Blumeria graminis</i> f. sp. <i>Hordei</i> ) Rusts ( <i>Puccinia</i> spp.) Scald ( <i>Rhynchosporium secalis</i> ) Spot Blotch ( <i>Cochliobolus sativus</i> )	2.7 – 4.1 fl oz/A (0.088 - 0.134 lbs ai/A)
	<p>VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment.</p> <p>For aerial applications made prior to heading (prior to Feekes Growth Stage 10.5), apply a minimum of 2 gpa spray solution. For aerial applications made at the heading growth stage or later, apply in a minimum of 5 gpa spray solution. Chemigation use is allowed only for applications made prior to heading.</p> <p><b>Fusarium Head Blight (Suppression Only):</b> The optimal time to apply VIBEPRO PTZ SC is as a preventative foliar spray when barley heads on the main stem are fully emerged (~ Feekes Growth Stages 10.5). Spray equipment must be set to provide good coverage to barley heads. For thorough coverage of barley head using ground application equipment, use forward and backward mounted nozzles or nozzles that have a two-directional spray. Operate nozzles within the spray pressure directions specified by the manufacturer.</p> <p><b>Leaf and Stem Diseases:</b> Apply VIBEPRO PTZ SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Observe barley fields closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.</p>	
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 9.03 fl oz/A/year (equivalent to 0.293 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 2 per year</li> <li>• Minimum Retreatment Interval: 14 days</li> <li>• DO NOT apply within 32 days of harvest (32-day PHI)</li> <li>• For optimum disease control, tank mix the lowest labeled rate of a spray surfactant with VIBEPRO PTZ SC</li> </ul>		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Bushberry subgroup (Subgroup 13-07B):</b> Aronia berry; blueberry (highbush and lowbush); Chilean guava; highbush cranberry; currant (black, buffalo, and red); elderberry; European barberry; gooseberry; edible honeysuckle; huckleberry; jostaberry; juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; and cultivars, varieties, and/or hybrids of these.	Septoria leaf spot ( <i>Septoria</i> spp.)  Monilinia blight ( <i>Monilinia vaccinii-corymbosi</i> )  Valdensinia leaf spot ( <i>Valdensinia heterodoxa</i> )  Leaf rust ( <i>Thekopsora minima</i> )  Anthracnose ( <i>Colletotrichum gloeosporioides</i> )  Botrytis blight ( <i>Botrytis cinerea</i> )  Phomopsis canker and twig blight <sup>[1]</sup> ( <i>Phomopsis vaccinii</i> )  Alternaria fruit rot <sup>[1]</sup> ( <i>Alternaria</i> spp.)  White pine blister rust <sup>[1]</sup> ( <i>Cronartium ribicola</i> )	5.5 fl oz/A (0.178 lbs ai/A)
	VIBEPRO PTZ SC may be applied by either ground or chemigation application equipment. Apply VIBEPRO PTZ SC at the first sign of disease.	
<b>Other Requirements:</b> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 11.0 fl oz/A/year (equivalent to 0.356 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 2 per year</li> <li>• Minimum Retreatment Interval: 7 days</li> <li>• DO NOT apply within 7 days of harvest (7-day PHI)</li> </ul>		
[ <sup>1</sup> Not Registered for use in California. ]		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Low growing berry subgroup, except strawberry<sup>[1]</sup>:</b> Bearberry; bilberry; cloudberry; cranberry; muntries; partridgeberry; and cultivars, varieties, and/or hybrids of these	<b>Fruit rot:</b> <i>Coleophoma empetri</i> <i>Glomerella cingulata</i> <i>Phyllosticta vaccinii</i> <i>Physalospora vaccinii</i> <i>Allantophomopsis lycopodina</i> <i>Allantophomopsis cytispora</i> <i>Fusicoccum putrefaciens</i> <i>Penicillium</i> spp. <i>Phomopsis vaccinii</i> <i>Colletotrichum acutatum</i> <i>Botrytis</i> spp. <i>Monilinia</i> spp. Valdensinia leaf spot ( <i>Valdensinia heterodoxa</i> )	4.8 fl oz/A (0.156 lbs ai/A)
	VIBEPRO PTZ SC may be applied by either ground or chemigation application equipment. For best control of fruit rots begin applications at early bloom. Make a second application of VIBEPRO PTZ SC or another approved fungicide 7-10 days later.	
<b>Other Requirements:</b> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 4.8 fl oz/A (equivalent to 0.156 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 9.7 fl oz/A/year (equivalent to 0.313 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 2 per year</li> <li>• Minimum Retreatment Interval: 7 days</li> <li>• DO NOT apply within 45 days of harvest (45-day PHI)</li> </ul>		
[ <sup>1</sup> Not Registered for use in California.]		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Buckwheat</b> <b>Millet, pearl</b> <b>Millet, proso</b> <b>Oats</b> <b>Rye</b>	Rusts ( <i>Puccinia</i> spp.) Glume Blotch ( <i>Stagonospora nodorum</i> ) Head Blight or Scab ( <i>Fusarium graminearum</i> ) - Suppression Powdery Mildew ( <i>Erysiphe graminis</i> ) Scald ( <i>Rynchosporium secalis</i> ) Speckled Blotch ( <i>Septoria avenae</i> ; <i>Septoria tritici</i> ) Spot Blotch ( <i>Bipolaris sorokiniana</i> ) Tan Spot or Yellow leaf Spot ( <i>Pyrenophora tritici-repentis</i> )	4.8 – 5.5 fl oz/A (0.156 to 0.178 lbs ai/A)
Apply VIBEPRO PTZ SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Observe field closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development. Applications may be made by ground or aerial spray equipment.		
<b>Other Requirements:</b> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 5.5 fl oz/A/year (equivalent to 0.178 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 1 per year</li> <li>• Minimum Retreatment Interval: N/A: Only 1 application is to be made to this crop during its cycle</li> <li>• DO NOT apply within 30 days of harvest (30-day PHI)</li> </ul>		

APPLICATION DIRECTIONS			
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC	APPLICATION TIMING
Corn (field corn, field corn grown for seed and popcorn)	Anthracnose Leaf Blight ( <i>Colletotrichum graminicola</i> )	5.5 fl oz/A (0.178 lbs ai/A)	Apply VIBEPRO PTZ SC at the first sign of disease. Repeat applications as needed on a 7 - to 14-day interval if favorable conditions for disease development persist.  <b>DO NOT</b> use adjuvants in sprays made between V8 (8 leaf collar) and VT (lowest branch of the tassel is visible but the silks have not yet emerged).
	Eye spot ( <i>Aureobasidium zeae</i> )		
	Gray leaf spot ( <i>Cercospora zeae-maydis</i> )		
	Northern Corn Leaf Blight ( <i>Setosphaeria turcica</i> ) <sup>1</sup>		
	Northern Corn Leaf Spot ( <i>Cochliobolus carbonum</i> ) <sup>1</sup>		
	Rust ( <i>Puccinia</i> spp.)		
	Southern Corn Leaf Blight ( <i>Cochliobolus heterostrophus</i> ) <sup>1</sup>		
	<b>For the suppression of:</b>	5.5 fl oz per acre (0.178 lbs ai/A)	For optimum suppression of Fusarium, Gibberella and Aspergillus ear rots, apply VIBEPRO PTZ SC from the R1 (initial silk emergence) to the R2 (brown silk) corn growth stages. VIBEPRO PTZ SC will reduce both disease symptoms and levels of mycotoxin in the grain.
	Fusarium <sup>[2]</sup> , Gibberella <sup>[2]</sup> and Aspergillus <sup>[2]</sup> ear rots ( <i>Fusarium</i> spp., <i>Gibberella</i> spp. and <i>Aspergillus</i> spp.)		
	<b>Soilborne/Seedling Diseases:</b>	2.5 – 3.9 fl oz per acre (0.081 - 0.125 lbs ai/A)	In furrow application for soilborne/seedling disease control, see use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL Section.
	Rhizoctonia root <sup>[2]</sup> and stalk rot <sup>[2]</sup> ( <i>Rhizoctonia solani</i> )		
<b>Other requirements:</b>			
<ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 22.0 fl oz/A/year (equivalent to 0.713 lb ai/A/year prothioconazole) <ul style="list-style-type: none"> <li>○ DO NOT exceed 22.0 fl oz (0.713 lbs prothioconazole) total from all uses, including soil and foliar applications, per acre per year</li> </ul> </li> <li>• Maximum Number of Applications: 4 per year</li> <li>• Minimum Retreatment Interval: 7 days</li> <li>• DO NOT apply within 14 days of harvest (30-day PHI) for gain and fodder</li> <li>• Harvest for forage made be done the same day as application (0-day PHI)</li> <li>• VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment. <ul style="list-style-type: none"> <li>○ For aerial applications, apply VIBEPRO PTZ SC using a minimum of 3 gpa spray solution</li> </ul> </li> <li>• An adjuvant may be used to improve spray coverage. Refer to the adjuvant product label for specific use directions</li> <li>• Application of VIBEPRO PTZ SC is not to be used at times when corn is under severe environmental stress conditions</li> </ul>			
<sup>1</sup> The above diseases are also known as Helminthosporium leaf blights			
<sup>[2]</sup> Not registered for use in California.]			

APPLICATION DIRECTIONS		
CROP	DISEASES SUPPRESSED	RATE OF VIBEPRO PTZ SC
Cotton	<b>In furrow and Banded</b> Damping off <i>(Rhizoctonia solani)</i> Fusarium Wilt <sup>[1]</sup> <i>(Fusarium spp.)</i>	5.5 – 6.8 fl oz/A (0.178 - 0.222 lbs ai/A) (0.4 - 0.5 fl oz per 1000 row feet)
	<b>Foliar</b> Target Spot <i>(Corynespora cassiicola)</i> Rust <i>(Puccinia spp.)</i>	4.8 – 5.5 fl oz/A (0.156 - 0.178 lbs ai/A)
	<b>Application Directions:</b> For foliar applications: VIBEPRO PTZ SC may be applied by ground, aerial, or chemigation application equipment. For in-furrow applications: Apply 5.5 to 6.8 fl oz per acre (0.379 to 0.468 fl oz per 1000 row feet if on 36 inch row spacing) in the furrow at planting. For banded applications: VIBEPRO PTZ SC may also be applied in a 4- to 6- inch band over the row at or near emergence.	
<b>Other Requirements:</b> <ul style="list-style-type: none"> <li>Refer to Directions for Use for additional product use restrictions</li> <li>Maximum Single Application Rate: 6.8 fl oz/A (equivalent to 0.222 lb ai/A prothioconazole)</li> <li>Maximum Annual Application Rate: 16.5 fl oz/A/year (equivalent to 0.534 lb ai/A/year prothioconazole)               <ul style="list-style-type: none"> <li>Maximum rate includes all soil and foliar applications</li> </ul> </li> <li>Maximum Number of Applications: 3 applications per year if all applications are less than 5.5 fl oz/A, only 2 applications per year if any application is greater than 5.5 fl oz/A.               <ul style="list-style-type: none"> <li>Applications include in-furrow, banded and foliar applications</li> </ul> </li> <li>Minimum Retreatment Interval: 14 days</li> <li>DO NOT apply within 30 days of harvest (30-day PHI).</li> </ul>		
[ <sup>1</sup> Not registered for use in California.]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Chickpea	Ascochyta Blight ( <i>Ascochyta</i> spp.)	4.8 – 5.5 fl oz/A (0.156 - 0.178 lb ai/A)
	VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment. Apply VIBEPRO PTZ SC at the first sign of disease. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing susceptible varieties.	
<b>Other Requirements:</b> <ul style="list-style-type: none"> <li>Refer to Directions for Use for additional product use restrictions</li> <li>Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>Maximum Annual Application Rate: 16.5 fl oz/A/year (equivalent to 0.534 lb ai/A/year prothioconazole)</li> <li>Maximum Number of Applications: 3 per year</li> <li>Minimum Retreatment Interval: 10 days</li> <li>DO NOT apply within 7 days of cutting or swathing crop for harvest (30-day PHI)</li> <li>To optimize disease control, tank-mix the lowest labeled rate of a spray surfactant with VIBEPRO PTZ SC</li> </ul>		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF VIBEPRO PTZ SC
<p><b>Cucurbit vegetables (Crop Group 9):</b> Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; edible gourd (includes hyotan, cucuzza, hechima, Chinese okra); <i>Momordica</i> spp (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (includes true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon); pumpkin; squash (summer and winter, includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini, butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon</p>	<p>Fusarium wilt Fusarium blight (<i>Fusarium oxysporum</i>) (<i>Fusarium</i> spp.)</p> <p>Gummy stem blight (<i>Didymella</i> spp.)</p> <p>Southern blight<sup>[1]</sup> (<i>Sclerotium roflsii</i>)</p> <p>Powdery mildew (<i>Sphaerotheca fuliginea</i> / <i>Podosphaera xanthii</i>) (<i>Erysiphe cichoracearum</i>)</p>	<p>5.5 fl oz/A (0.178 lbs ai/A) (soil)</p> <p>5.5 fl oz/A (0.178 lbs ai/A) (foliar)</p>
	<p>VIBEPRO PTZ SC may be applied by either ground or chemigation application equipment (including drip irrigation). <b>DO NOT</b> use in water used for hand transplanting. Not for use in greenhouse/transplant house.</p>	
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 16.5 fl oz/A/year (equivalent to 0.534 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 1 Soil and 2 Foliar applications per year (3 total applications per year)</li> <li>• Minimum Retreatment Interval: 5 days</li> <li>• DO NOT apply within 7 days of harvest (30-day PHI)</li> </ul>		
<p>[<sup>1</sup> Not registered for use in California.]</p>		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
<p><b>Dried Shelled Peas and Beans Subgroup (except soybeans)</b> <i>Lupinus</i> spp. (Grain, Sweet, White and White Sweet lupins) <i>Phaseolus</i> spp. (Field, Kidney, Dry lima, Navy, Pinto and Tepary beans) <i>Vigna</i> spp. (Adzuki bean, Blackeyed pea, Catjang, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea and Urd bean)</p>	<p><b>Foliar</b></p> <p>Ascochyta Blight (<i>Ascochyta pinodes</i>) Rust (<i>Uromyces appendiculatus</i>) White Mold (<i>Sclerotinia sclerotiorum</i>)</p>	<p>5.5 fl oz/A (0.178 lbs ai/A)</p>
	<p><b>In Furrow</b></p>	<p>2.5 – 4.8 fl oz/A (0.081 - 0.156 lbs ai/A)</p>
	<p>Rhizoctonia rots<sup>[1]</sup> (<i>Rhizoctonia</i> spp.)</p>	



<p>Dry broad bean Guar Lablab bean <i>Pisum</i> spp. [Pea (including Field pea) and Pigeon pea]</p>	<p>VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment. For ground applications, apply in a minimum of 20 gpa.</p> <p><b>In-furrow use:</b> Apply up to 4.8 fl oz per acre (0.275 fl oz per 1000 row feet if on 30 inch row spacing; 0.184 fl oz per 1000 row feet if on a 20 inch row spacing) in the furrow at planting. See use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL section.</p> <p>For rust control, apply VIBEPRO PTZ SC at the first sign of disease. For white mold control, apply VIBEPRO PTZ SC at 25% flower.</p>
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 16.5 fl oz/A/year (equivalent to 0.534 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 3 per year</li> <li>• Minimum Retreatment Interval: 5 days</li> <li>• DO NOT apply within 7 days of cutting or swathing for harvest (30-day PHI)</li> <li>• To optimize disease control, tank-mix the lowest labeled rate of a spray surfactant with VIBEPRO PTZ SC</li> </ul>	
<p>[<sup>1</sup>Not registered for use in California.]</p>	

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Lentils	Ascochyta Blight ( <i>Ascochyta</i> spp.)	4.1 - 5.5 fl oz/A (0.134 - 0.178 lbs ai/A)
	<p>VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment. Apply VIBEPRO PTZ SC at early flower or at the first sign of disease. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties.</p>	
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 16.5 fl oz/A/year (equivalent to 0.534 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 3 per year</li> <li>• Minimum Retreatment Interval: 10 days</li> <li>• DO NOT apply within 7 days of cutting or swathing for harvest (30-day PHI)</li> <li>• To optimize disease control, tank-mix the lowest labeled rate of a spray surfactant with VIBEPRO PTZ SC</li> </ul>		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Rapeseed Subgroup 20A (including canola and Brassica carinata<sup>[1]</sup>):</b>  Borage, <i>Brassica carinata</i> , crambe, cuphea, echium, flax, gold of pleasure, hare's ear mustard, lesquerella, lunaria, meadowfoam, milkweek, mustard seed, oil radish, poppy seed, rapeseed, sesame, sweet rocket, cultivars, varieties, and/or hybrids of these	Sclerotinia Stem Rot White Mold ( <i>Sclerotinia sclerotiorum</i> )	4.1 - 5.5 fl oz/A (0.134 - 0.178 lbs ai/A)
	VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment. Apply VIBEPRO PTZ SC when the crop is in the 20 - 50% bloom stage. Best protection will be achieved when the fungicide is applied prior to petals beginning to fall, and will allow for the maximum number of petals to be protected. Utilize the higher rate for fields with a history of heavy disease pressure or for dense crop stands. Good spray coverage of the plants is essential.  The lowest labelled rate of a non-ionic surfactant may be tank-mixed with VIBEPRO PTZ SC	
<b>Other Requirements:</b> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 11.0 fl oz/A/year (equivalent to 0.356 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 2 per year</li> <li>• Minimum Retreatment Interval: 14 days</li> <li>• DO NOT apply within 36 days of harvest (30-day PHI)</li> <li>• VIBEPRO PTZ SC may be applied until the 50% bloom stage</li> </ul>		
[ <sup>1</sup> Not registered for use in California.]		

APPLICATION DIRECTIONS		
CROP	DISEASE SUPPRESSED	RATE OF VIBEPRO PTZ SC
<b>Peanut<sup>[1]</sup></b>	<b>In-furrow and banded</b> Sclerotium Rot White Mold Southern Blight Southern Stem rot ( <i>Sclerotium rolfsii</i> )  Rhizoctonia Limb Rot ( <i>Rhizoctonia solani</i> )  Early Leaf Spot ( <i>Cercospora arachidicola</i> )  Late Leaf Spot ( <i>Cercosporidium personatum</i> )  Cyllindrocladium Black Rot (CBR) ( <i>Cylindrocladium crotalariae</i> ) (Suppression with In furrow only)	0.379 fl oz per 1000 row feet (5.5 fl oz/A) (0.178 lbs ai/A)
	<b>Soil-Borne</b> Sclerotium Rot ( <i>Sclerotium rolfsii</i> ) (White Mold, Southern Blight, Southern Stem Rot) Rhizoctonia Limb Rot, Peg Rot, Pod Rot ( <i>Rhizoctonia solani</i> ) Cyllindrocladium Black Rot ( <i>Cylindrocladium crotalariae</i> ) (Suppression Only)	5.5 fl oz/A (0.178 lbs ai/A)
	<b>Foliar</b> Early Leaf Spot ( <i>Cercospora arachidicola</i> )	4.8 - 5.5 fl oz/A (0.156 - 0.178 lbs ai/A)

<p>Late Leaf Spot (<i>Cercosporidium personatum</i>)  Leaf Rust (<i>Puccinia arachidis</i>)  Web Blotch (<i>Phoma arachidicola</i>)  Leaf Scorch and Pepper Spot (<i>Leptosphaerulina crassiasca</i>)</p>	<p>VIBEPRO PTZ SC may be applied by ground, chemigation, or aerial application equipment.</p> <p><b>In-furrow and Banded Spray Program:</b> Apply 5.5 fl oz per acre (0.379 fl oz per 1000 row feet if on 36 inch row spacing) in the furrow at planting. VIBEPRO PTZ SC may also be applied in a 4- to 6- inch band over the row at or near emergence. Hailir specifies a minimum application volume of 20 gpa.</p> <p><b>Foliar Disease Spray Program:</b> Apply the specified rate in a preventive spray schedule. Apply up to four (4) sprays using a 14-day interval. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties. When planting varieties with good to excellent levels of resistance to foliar diseases, the application interval may be extended up to 21 days in the absence of soil borne diseases.</p> <p><b>Soil-Borne Disease Spray Program:</b> For optimum control of the specified soil-borne diseases, four consecutive applications of VIBEPRO PTZ SC must be made at 14-day intervals. In a typical 7 spray application program beginning 30-40 days after planting or as directed by the local Extension Service, apply VIBEPRO PTZ SC for sprays 3, 4, 5 and 6. Make applications of fungicides with a different mode of action prior to and following applications of VIBEPRO PTZ SC to discourage development of resistant strains of fungi. Use VIBEPRO PTZ SC in conjunction with cultural practices that are known to reduce the severity of soil-borne diseases, such as proper crop rotation practices.</p> <p>For control of soil-borne diseases when using a <b>Leaf Spot Advisory Program</b> schedule, apply VIBEPRO PTZ SC in the first advisory spray in July and continue VIBEPRO PTZ S C applications at 14- day intervals.</p> <p>VIBEPRO PTZ SC must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by <i>Sclerotium rolfsii</i> and <i>Rhizoctonia solani</i>. Drought conditions will decrease the effectiveness of VIBEPRO PTZ SC against the root and pod rots.</p>
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 22.0 fl oz/A/year (equivalent to 0.713 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 4 per year, including all soil and foliar applications</li> <li>• Minimum Retreatment Interval: 14 days</li> <li>• DO NOT apply within 14 days of harvest (14-day PHI)</li> <li>• DO NOT feed hay or threshings or allow livestock to graze in treated areas.</li> </ul>	
<p>[<sup>1</sup>Not registered for use in California.]</p>	

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Rice <sup>[1]</sup>	<p><b>Sheath/Stem Diseases</b>  Sheath Blight (<i>Rhizoctonia solani</i>)</p> <p><b>Foliar Diseases</b>  Brown Spot (<i>Cochliobolus miyabeanus</i>)  Narrow Brown Leafspot (<i>Cercospora oryzae</i>)  Leaf Smut (<i>Entyloma oryzae</i>)  False smut (<i>Ustilaginoidea virens</i>)</p>	<p>4.3 fl oz/A  (0.141 lbs ai/A)</p>
<p>Apply VIBEPRO PTZ SC at initial sign of disease. Exact timing for rice disease control is dependent on rice growth stage, rice variety, the type of disease to be controlled and disease severity. Applications typically will occur from panicle differentiation to late boot. Consult with your local extension personnel or Hailir representative to determine if treatment is needed. Application may be made by ground or aerial spray equipment.</p>		

**Other Requirements:**

- Refer to Directions for Use for additional product use restrictions
- Maximum Single Application Rate: 4.3 fl oz/A (equivalent to 0.141 lb ai/A prothioconazole)
- Maximum Annual Application Rate: 4.3 fl oz/A/year (equivalent to 0.141 lb ai/A/year prothioconazole)
- Maximum Number of Applications: 1 per year, including all soil and foliar applications
- Minimum Retreatment Interval: N/A; Apply product only once to this crop per cycle
- DO NOT apply within 40 days of harvest (40-day PHI)
- DO NOT apply VIBEPRO PTZ SC later than 70% panicle emergence from the boot

1 Not Registered for use in California

**APPLICATION DIRECTIONS**

CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Soybean	Asian Soybean Rust <i>(Phakopsora pachyrhizi)</i>  Frog Eye Leaf Spot <i>(Cercospora sojina)</i>  Powdery Mildew <i>(Microsphaera diffusa)</i>  Brown Spot <sup>[1]</sup> <i>(Septoria glycines)</i>	2.4 – 2.9 fl oz/A (0.078 - 0.094 lbs ai/A)
	Alternaria Leaf Spot <sup>[1]</sup> <i>(Alternaria spp.)</i>  Anthracnose <sup>[1]</sup> <i>(Colletotrichum truncatum)</i>  Asian Soybean Rust <sup>[1]</sup> <i>(Phakopsora pachyrhizi)</i>  Brown Spot <sup>[1]</sup> <i>(Septoria glycines)</i>  Cercospora Blight <sup>[1]</sup> <i>(Cercospora kikuchii)</i>  Frogeye Leaf Spot <sup>[1]</sup> <i>(Cercospora sojina)</i>  Pod & Stem Blight <sup>[1]</sup> <i>(Diaporthe phaseolorum)</i>  Powdery Mildew <sup>[1]</sup> <i>(Microsphaera diffusa)</i>  Rhizoctonia Aerial Blight <sup>[1]</sup> <i>(Rhizoctonia solani)</i>  Sclerotinia Stem Rot also known as White Mold ( <i>Sclerotinia sclerotiorum</i> ) (Suppression Only)	2.9 – 4.8 fl oz/A (0.094 to 0.156 lbs ai/A)
	<b>In Furrow</b>  Rhizoctonia rots <sup>[1]</sup> <i>(Rhizoctonia spp.)</i>	2.5 – 4.8 fl oz/A (0.081 - 0.156 lbs ai/A)

	<p>VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment. For aerial application, apply in a minimum spray volume of 2 gpa. Apply VIBEPRO PTZ SC as a broadcast, preventative foliar spray or at first visible symptoms of the disease. Repeat applications on a 10- to 21-day spray interval if environmental conditions are favorable for continued disease development. Use of the higher rate and shorter spray intervals are specified when disease pressure is severe.</p> <p><b>In-furrow use:</b> Apply up to 4.8 fl oz per acre (0.275 fl oz per 1000 row feet if on 30 inch row spacing; 0.184 fl oz per 1000 row feet if on a 20 inch row spacing) in the furrow at planting. See use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL section.</p> <p><b>Sclerotinia Stem Rot (Suppression Only):</b> Apply VIBEPRO PTZ SC as a broadcast foliar spray at R1 (beginning bloom) when conditions are favorable for disease development. A sequential treatment of VIBEPRO PTZ SC may be made at R3 - R4 (beginning to full pod). VIBEPRO PTZ SC may be applied by ground or air. Apply in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.</p>
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate: 4.8 fl oz/A (equivalent to 0.156 lb ai/A prothioconazole)</li> <li>• Maximum Annual Application Rate: 12.4 fl oz/A/year (equivalent to 0.403 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 3 per year, including all soil and foliar applications</li> <li>• Minimum Retreatment Interval: 10 days</li> <li>• DO NOT apply within 21 days of harvest (21-day PHI)</li> </ul>	
<p>[<sup>1</sup>Not registered for use in California.]</p>	

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Sugar beets	<p><b>Foliar Diseases</b></p> <p>Cercospora Leaf Spot (<i>Cercospora beticola</i>)</p> <p>Powdery Mildew (<i>Erysiphe polygoni</i>)</p>	4.8 - 5.5 fl oz/A (0.156 - 0.178 lbs ai/A)
	<p><b>In furrow and banded</b></p> <p>Rhizoctonia Stem Canker, Root Rot, Crown Rot (<i>Rhizoctonia solani</i>)</p>	5.5 fl oz/A (0.178 lbs ai/A)
<p>VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment.</p> <p><b>Foliar disease control:</b> Apply VIBEPRO PTZ SC at the first sign of disease. Use the higher use rate and shorter intervals when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties.</p> <p><b>Soil-borne disease control:</b> Apply VIBEPRO PTZ SC in a seven-inch band at the 4-leaf to row closure growth stage.</p> <p><b>For in-furrow use:</b> apply up to 5.5 fl oz per acre (0.379 fl oz per 1000 row feet if on 36 inch row spacing) in the furrow at planting. See use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL section.</p>		

**Other Requirements:**

- Refer to Directions for Use for additional product use restrictions
- Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)
- Maximum Annual Application Rate: 16.5 fl oz/A/year (equivalent to 0.534 lb ai/A/year prothioconazole)
- Maximum Number of Applications: 3 per year, including all soil and foliar applications
- Minimum Retreatment Interval: 14 days
  - Use a 14-day spray interval under normal to heavy disease pressure and a 21-day spray interval under light disease pressure
- DO NOT apply within 7 days of harvest (7-day PHI)
- To optimize disease control, the lowest labeled rate of a spray surfactant may be tank-mixed with VIBEPRO PTZ SC
- VIBEPRO PTZ SC is a Group 3 fungicide. To limit the potential for development of disease resistance:
  - Alternate every application of VIBEPRO PTZ SC with a non-Group 3 fungicide.

**APPLICATION DIRECTIONS**

CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Wheat</b> (spring, durum and winter)	Fusarium Head Blight ( <i>Fusarium</i> spp.) (Suppression Only)	4.8 - 5.5 fl oz/A (0.156 - 0.178 lbs ai/A)
<b>Triticale</b>	<b>Leaf and Stem Diseases</b> Powdery Mildew ( <i>Blumeria graminis</i> f. sp. <i>tritici</i> ) Rusts ( <i>Puccinia</i> spp.) Septoria Leaf and Glume Blotch ( <i>Septoria tritici</i> ) Stagonospora Blotch ( <i>Stagonospora nodorum</i> ) Tan Spot ( <i>Pyrenophora tritici-repentis</i> )	4.1 – 4.8 fl oz/A (0.134 - 0.156 lbs ai/A)
<p>VIBEPRO PTZ SC may be applied by either ground, aerial or chemigation application equipment.</p> <p>For aerial application made prior to early flower (prior to Feekes Growth Stage 10.51, apply a minimum of 2 gpa spray solution. For aerial applications made at the early flower growth stage or later, apply in a minimum of 5 gpa spray solution. Chemigation use is allowed only for applications made prior to early flower.</p> <p><b>Fusarium Head Blight (Suppression Only):</b> The optimal time to apply VIBEPRO PTZ SC is as a preventative foliar spray at early flower (Feekes Growth Stage 10.51). Spray equipment must be set to provide good coverage to wheat heads. For thorough coverage of the wheat head using ground application equipment, use forward and backward mounted nozzles or nozzles that have a two-directional spray. Operate nozzles within the spray pressure directions suggested by the manufacturer.</p> <p><b>Leaf and Stem Diseases:</b> Apply VIBEPRO PTZ SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Observe wheat fields closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.</p>		

**Other Requirements:**

- Refer to Directions for Use for additional product use restrictions
- Maximum Single Application Rate: 5.5 fl oz/A (equivalent to 0.178 lb ai/A prothioconazole)
- Maximum Annual Application Rate: 9.03 fl oz/A/year (equivalent to 0.293 lb ai/A/year prothioconazole)
- Maximum Number of Applications: 2 per year
- Minimum Retreatment Interval: 14 days
- DO NOT apply within 30 days of harvest (30-day PHI)
- For optimum disease control, tank-mix the lowest labeled rate of a spray surfactant with VIBEPRO PTZ SC

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Nursery seedlings of Shortleaf, Loblolly, Slash, Longleaf and other pines and other Conifers and Hardwoods	Fusiform rust ( <i>Cronartium quercum</i> f.sp. <i>fusiforme</i> )	4.8 fl oz/A (0.156 lbs ai/A)
	Pitch canker ( <i>Fusarium</i> spp.)	
	Rhizoctonia foliar blight ( <i>Rhizoctonia</i> spp.)	
Nursery seeds of Shortleaf, Loblolly, Slash, Longleaf and other pines and other Conifers and Hardwoods	Fusiform rust ( <i>Cronartium quercum</i> f.sp. <i>fusiforme</i> )  Pitch canker ( <i>Fusarium</i> spp.)	9.6 fl oz per 50 lbs seed
<p><b>DO NOT use in forest planting or established woodlands.</b></p> <p>The crop safety and mix compatibility on all tree species and in tank-mixes with other products (spray surfactants, fertilizers, insecticides, etc.) has not been confirmed. Hailir specifies small scale testing with your planned use pattern. The user assumes all risks with the use of this product on trees.</p> <p><b>Tree Seedling Application Directions:</b> Foliar disease control: Apply VIBEPRO PTZ SC preventatively or at the first sign of disease using ground equipment only. Repeat applications as needed using a 14- to 21-day spray interval depending on your region. Consult your local extension agent on local guidelines on spray intervals. Use shorter intervals when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties. To optimize disease control, the lowest labeled rate of a spray surfactant may be tank-mixed with VIBEPRO PTZ SC A maximum off 24.1 fl oz (0.781 lbs prothioconazole) of VIBEPRO PTZ SC may be applied per acre per crop year.</p> <p><b>Tree Seed Treatment Directions:</b> Apply specified dosage to seed in a commercial treater or other suitable tumbler apparatus. Allow to mix for at least 10 minutes. Thoroughly air dry before sowing. <b>DO NOT</b> use treated seed for food or feed purposes. Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag: "This seed has been treated with prothioconazole. Treated Seed - <b>DO NOT</b> Use for Food, Feed, or Oil Purposes. When opening this bag or loading/pouring the treated seed, wear a long sleeved shirt, long pants, shoes, socks, and chemical resistant gloves. After the seeds have been planted, <b>DO NOT</b> 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 or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or planting media."</p>		
<p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>• Refer to Directions for Use for additional product use restrictions</li> <li>• Maximum Single Application Rate Seedlings: 4.8 fl oz/A (equivalent to 0.156 lb ai/A prothioconazole) <ul style="list-style-type: none"> <li>○ Maximum Application Rate Seeds: 9.6 fl oz/40 lbs seed (equivalent to 0.312 lb ai/50 lbs seed prothioconazole)</li> </ul> </li> <li>• Maximum Annual Application Rate: 24.1 fl oz/A/year (equivalent to 0.781 lb ai/A/year prothioconazole)</li> <li>• Maximum Number of Applications: 5 per year</li> <li>• Minimum Retreatment Interval: 14 days</li> <li>• PHI: N/A these crops are not harvested</li> <li>• For optimum disease control, tank-mix the lowest labeled rate of a spray surfactant with VIBEPRO PTZ SC</li> </ul>		

## STORAGE & DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. Please refer to the product SDS for decontamination procedures or any other assistance that may be necessary.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty container into manufacturing equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities

## IMPORTANT: READ BEFORE USE

Read the entire DIRECTIONS FOR USE, Conditions of Warranties and Limitations of Liability before buying or using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Qingdao Audis Bio-Tech Co. Ltd. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, QINGDAO AUDIS BIO-TECHCO., LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Qingdao Audis Bio-Tech Co. Ltd. is authorized to make or modify any warranties beyond those contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SHANGDONG HAILIR CHEMICAL CO., LTD. DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT QINGDAO AUDIS BIO-TECH CO. LTD. APPROVAL, THE REPLACEMENT OF PRODUCT.



# VIBEPRO PTZ SC

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## Section B: Seed Treatment Uses

# VIBEPRO PTZ SC

For Control of specified diseases on listed crops

<b>Active Ingredient:</b> Prothioconazole 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione .....	42.5%
<b>Other Ingredients</b> .....	57.5%
<b>Total:</b>	100.0%

EPA Reg. No. 101627-XXX

EPA Est. No. 101627-CHN-1

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

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-222-1222 For **PRODUCT USE** Information Call 1-800-858-7378

Please refer to [back][side] panel [leaflet][booklet] for complete precautionary statements and directions for use. [Note to reviewer: Location of additional precautionary statements and directions for use will vary between those listed, depending on container type/size.]

## FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li><b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li><b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth- to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

### For MEDICAL Emergencies Call 24 Hours A Day 1-800-222-1222.

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. For information about this product, call Qingdao Audis at +86 53287978808 or email [kfzx@hailir.cn](mailto:kfzx@hailir.cn) (China), 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/>

**NOTE TO PHYSICIAN:** No specific antidote. Treat symptomatically.

**Manufactured by:**  
**Qingdao Audis Bio-Tech Co., Ltd.**  
**Changyang Industrial Zone, Laixi City**  
**Qingdao China**

**NET CONTENTS:**  
**[Batch Code will be placed on the container.]**  
**Product of China**

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## PRECAUTIONARY STATEMENTS

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### HAZARD TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION:

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with 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 before reuse.

#### Personal Protective Equipment

##### Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of 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

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

#### Engineering Control Statements

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

<b>USER SAFETY STATEMENTS</b>
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<b>USERS MUST</b> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible,</li> </ul>
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### ENVIRONMENTAL HAZARDS

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This product is toxic to estuarine/marine invertebrates, and freshwater/estuaries/marine aquatic plants. For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinseate.

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

Drift and runoff are hazardous to aquatic organisms in water adjacent to treated areas. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of prothioconazole and degradates from runoff water and sediment. To reduce runoff of this product **DO NOT** apply when rainfall or irrigation is expected to occur within 48 hours.

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### IMPORTANT: READ BEFORE USE

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

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Qingdao Audis Bio-Tech Co. Ltd. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, QINGDAO AUDIS BIO-TECH CO., LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Qingdao Audis Bio-Tech Co. Ltd. is authorized to make or modify any warranties beyond those contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, QINGDAO AUDIS BIO-TECH CO. LTD. DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT QINGDAO AUDIS BIO-TECH CO. LTD. APPROVAL, THE REPLACEMENT OF PRODUCT.

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## DIRECTIONS FOR USE

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**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
Read the entire label before using this product.**

For use only in commercial seed treatment equipment. **DO NOT** use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.

### PRODUCT INFORMATION

#### VIBEPRO PTZ SC

- is a broad-spectrum systemic seed treatment fungicide for the control of Ascomycetes, Basidiomycetes and Deuteromycetes diseases in a variety of crops including alfalfa, barley, buckwheat, cotton, dried shelled pea and bean (except for soybean) subgroup, millet (Pearl & Proso), oats, rice, rye, sorghum, soybeans, triticale, and wheat.

### APPLICATION INSTRUCTIONS

- VIBEPRO PTZ SC provides control or suppression of many important diseases of alfalfa, barley, buckwheat, cotton, dried shelled pea and bean (except for soybean) subgroup, millet (Pearl & Proso), oats, rice, rye, sorghum, soybeans, triticale, and wheat.
- Apply using standard slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Dilute product with sufficient water to ensure complete seed coverage. Consult a seed treatment specialist regarding slurry rates to use for the crop to be treated with VIBEPRO PTZ SC. For best results, apply to high quality, properly cleaned seed.
- When reference is made to disease suppression, suppression can mean either erratic control from good to fair or consistent control at a level below that obtained with the best commercial disease control products.
- Under conditions conducive to extended infection periods or high disease pressure, additional fungicide applications beyond the number allowed by this label may be needed. Under these conditions use another fungicide registered for the crop/disease.
- Equipment must be properly calibrated before use.

### USE RESTRICTIONS

- **DO NOT** use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.
- This product does not contain colorant. The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, part 2.25. Any colorant added to treated seed must be cleared for use under 40CFR, Part 153.155.
- In California - Registered only for use in commercial seed treating establishments. **DO NOT** use for "on-farm" use.
- Store treated seeds away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.

- When opening this bag or loading/pouring the treated seed/seed-pieces, wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling treated seed.
- 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 in agronomic practice.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as in row ends).
- Dispose of all excess treated seed by burying seed away from bodies of water.
- **DO NOT** contaminate bodies of water when disposing of planting equipment wash water.
- Treated seed must be adequately covered with soil at planting.
- Plant treated seed into the soil to a minimum depth of ½ inch.
- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.
- Dispose of seed packaging or containers in accordance with local requirements. **DO NOT** use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's instructions. Surplus seed or empty seed containers must be stored or disposed according to local federal regulations.
- After the seeds have been planted, **DO NOT** enter or allow worker entry into the treated areas during the restricted-entry interval (REI) of 12 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or with the planting media.

Refer to the specific use directions and restrictions in each Crop, Crop Group or Crop Subgroup table.

## ROTATIONAL RESTRICTIONS

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

## FUNGICIDE RESISTANCE MANAGEMENT (FRAC) GUIDELINES

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE
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For resistance management, VIBEPRO PTZ SC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to VIBEPRO PTZ SC and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Follow appropriate resistance-management strategies.

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

- Rotate the use of VIBEPRO PTZ SC or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide 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 utilizes host plant resistance, modeling 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 guidelines for specific crops and pathogens.
- For further information or to report suspected resistance contact Hailir at + 86-532-87978808. You can also contact your pesticide distributor or university extension specialist to report resistance.

# SPECIFIC CROP DIRECTIONS

## CROP USE DIRECTIONS

### APPLICATION DIRECTIONS FOR SEED TREATMENT

APPLICATION DIRECTIONS FOR SEED TREATMENT		
CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
Alfalfa <sup>[1]</sup>	Seed rot and damping-off caused by <i>Rhizoctonia</i>	0.46 fl oz per 100 lbs seed (15 g ai per 100 kg seed)
[ <sup>1</sup> Not registered for use in California.]		

CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Beans and Peas (dried) including Soybean</b> (Crop Group 6C) <sup>[1]</sup>  Soybean, Adzuki Bean, Blackeyed Pea, Broad Bean, Catjang, Chickpea, Cowpea, Crowder Pea, Field Bean, Field Pea, Guar, Kidney Bean, Lablab Bean, Lentil, Lima Bean, Moth Bean, Mung Bean, Navy Bean, Pigeon Pea, Pinto Bean, Rice Bean, Southern Pea, Tepary Bean, Urd Bean	Seed rot and damping-off caused by <i>Rhizoctonia</i> , <i>Fusarium</i>  Seed decay	<b>APPLICATION RATE PER 100 LBS:</b> 0.15 - 0.31 fl oz per 100 lbs seed (5 - 10 g ai per 100 kg seed)  <b>APPLICATION RATE PER SEED</b> <b>(based on 3000 seed per lbs; soybean only):</b> 0.0075 - 0.015 mg ai per seed
[ <sup>1</sup> Not registered for use in California.]		

CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Cereal grains</b> <sup>[1]</sup> Barley  Buckwheat  Millet (Pearl and Proso)  Oats  Rye  Triticale	Common bunt Covered smut False loose smut Flag smut Leaf stripe Loose smut Stinking smut Stem smut True loose smut	0.15 - 0.77 fl oz per 100 lbs seed (5 - 25 g ai per 100 kg seed)

Wheat  Corn and Rice (see corn and rice sections in this table)	Seed rot, pre-emergence damping-off and seedling blight caused by soilborne <i>Rhizoctonia solani</i> , <i>Fusarium</i> , <i>Cochliobolus</i> Seed decay Common root rot, foot rot, and crown rot (early season suppression) Rust, <i>Septoria</i> and powdery mildew (early season suppression) Note - For environments with Pythium pressure, combine Proline 480 with Allegiance Flowable Seed Treatment Fungicide at rates specified on label.	
[¹Not registered for use in California.]		

<b>COTTON<sup>[1]</sup></b>			
<b>Disease(s) Controlled</b>			
Seedborne decay caused by <i>Fusarium spp.</i> , <i>Aspergillus spp.</i> , <i>Cladosporium spp.</i> , <i>Penicillium spp.</i> , <i>Alternaria spp.</i> Soilborne seedling disease caused by <i>Fusarium spp.</i> , <i>Rhizoctonia solani</i>			
<b>Rate of VIBEPRO PTZ SC</b>			
<b>seeds/lb</b>	<b>fl oz/100 lbs seed</b>	<b>fl oz/100,000 seeds</b>	<b>mg ai/seed</b>
4500	0.15 - 0.40	0.034 - 0.088	0.005 - 0.013
<b>Disease(s) Controlled</b>			
Seedling disease caused by heavy infestations of <i>Fusarium spp.</i> and <i>Rhizoctonia solani</i>			
<b>Rate of VIBEPRO PTZ SC</b>			
<b>seeds/lb</b>	<b>fl oz/100 lbs seed</b>	<b>fl oz/100,000 seeds</b>	<b>mg ai/seed</b>
4500	0.40 - 0.79	0.088 - 0.18	0.013 - 0.026
<b>Crop Specific Directions and Restrictions:</b> <ul style="list-style-type: none"> <li>• Application rate specified for planting rate range of 29,000 - 85,000 cotton seed per acre</li> </ul>			
[¹Not registered for use in California.]			

CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC			
<b>Corn</b> (Field Corn, Field Corn Grown For Seed, Popcorn, and Sweet Corn) <sup>[1]</sup>	To aid in the control or suppression of seedborn disease and early season seedling disease caused by <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>				
	Rate of VIBEPRO PTZ SC				
		seeds/lb <sup>1</sup>	fl oz/100 lbs seed	fl oz/80,000 seed unit	mg ai/seed
	Field Corn, Field Corn Grown For Seed,	1681	0.08 - 0.77	0.037 - 0.367	0.0068 - 0.0676
	Popcorn	3061	0.08 - 0.77	0.020 - 0.201	0.0037 - 0.0371
	Sweet Corn	3150	0.08 - 0.77	0.020 - 0.196	0.0036 - 0.0361
	For the suppression of late season stalk diseases caused by <i>Fusarium</i> spp. Assists in control of seedborne and soilborne <i>Sphacelotheca reiliana</i> .				
	Rate of VIBEPRO PTZ SC				
		seeds/lb <sup>1</sup>	fl oz/100 lbs seed	fl oz/80,000 seed unit	mg ai/seed
	Field Corn, Field Corn Grown For Seed,	1681	0.92 - 3.69	0.440 - 1.755	0.0811 - 0.3235
Popcorn	3061	0.92 - 3.69	0.241 - 0.963	0.0445 - 0.1776	
Sweet Corn	3150	0.92 - 3.69	0.235 - 0.936	0.0433 - 0.1726	
<sup>1</sup> Seeds/lb values based on averages for Field Corn (1681 seeds/lb), Popcorn (3061 seeds/lb), and Sweet Corn (3150 seeds/lb).					
[ <sup>1</sup> Not registered for use in California.]					

CROP	DISEASE CONTROLLED	RATE OF VIBEPRO PTZ SC
<b>Rice</b> <sup>[1]</sup>	Seed rot and damping-off caused by <i>Rhizoctonia</i> and <i>Fusarium</i> Seed decay	0.15 - 0.31 fl oz per 100 lbs seed (5 - 10 g ai per 100 kg seed)
<b>Notes and Restrictions</b>		
<ul style="list-style-type: none"> <li><b>DO NOT</b> plant treated rice seed directly into a flooded field. <b>DO NOT</b> soak treated rice seed.</li> </ul>		
[ <sup>1</sup> Not registered for use in California.]		

<b>Sorghum</b> <sup>[1]</sup>			
Disease(s) Controlled			
Seedborne and soilborne fungi which cause seed decay, damping-off and seedling blight including the following: <i>Fusarium</i> spp. <i>Aspergillus</i> spp. <i>Alternaria</i> spp. <i>Cladosporium</i> spp. <i>Penicillium</i> spp.			
Rate of VIBEPRO PTZ SC			
seeds/lb <sup>2</sup>	fl oz/100 lbs seed	fl oz/100,000 seeds	mg ai/seed
11,000 - 25,000	0.08 - 0.31	0.0031 - 0.0278	0.00045 - 0.0041
<b>Crop Specific Directions and Restrictions:</b>			
<ul style="list-style-type: none"> <li>Plant treated sorghum seed at a minimum depth of ½ inch.</li> <li><sup>2</sup>Application rate specified for planting rate range of 25,000 to 100,000 sorghum seed per acre.</li> </ul>			
[ <sup>1</sup> Not registered for use in California.]			



## SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that the container of seed treated with VIBEPRO PTZ SC must be labeled with the following statements:

- This seed has been treated with: **VIBEPRO PTZ SC** A fungicide containing **42.5% Prothioconazole**.
- **DO NOT** use treated seed for food, feed, or oil purposes.

In addition, the following statements are required on the container of seed treated with **VIBEPRO PTZ SC**

- Treated areas may be replanted with any crop specified on this label as soon as practical after last application. For crops not listed on this label, **DO NOT** plant back within 30 days of last application.
- **Store treated seeds away from food and feedstuffs.**
- **DO NOT allow children, pets, or livestock to have access to treated seed.**
- **When opening this bag or loading/pouring the treated seed/seed-pieces, wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves (additional coveralls required for treatment of corn 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 in agronomic practice.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as in row ends).
- Dispose of all excess treated seed by burying seed away from bodies of water.
- **DO NOT** contaminate bodies of water when disposing of planting equipment was water.
- Treated at manufacturer's specified rate
- Plant treated seed into the soil to a minimum depth of ½ inch or greater to minimize exposure.
- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.
- Dispose of seed packaging or containers in accordance with local requirements. **DO NOT** use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's instructions. Surplus seed or empty seed containers must be stored or disposed according to local federal regulations.
- After the seeds have been planted, **DO NOT** enter or allow worker entry into the treated areas during the restricted-entry interval (REI) of 12 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or with the planting media.

For **PRODUCT USE** Information Call 1-800-858-7378  
For **MEDICAL, TRANSPORTATION** or **OTHER Emergencies ONLY** Call 24 Hours A Day 1-800-222-1222

## STORAGE AND DISPOSAL

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

### **Pesticide Storage**

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

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. **DO NOT** walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the National Pesticide Information Center for decontamination procedures or any other assistance that may be necessary. The National Pesticide Information Center Telephone No. is 1-800-858-7378.

### **Pesticide Disposal**

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

### **Container Handling**

#### **[Dilutable Seed Treatment Products in Non-Refillable Plastic Containers]**

##### **Rigid, Non-refillable containers (equal to or less than 5 gallons)**

Non-refillable container. **DO NOT** reuse or refill this container. Triple rinse or pressure 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 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

##### **Rigid Non-refillable containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)**

Non-refillable container. **DO NOT** reuse or refill this container. After emptying product from container, rinse and either recycle or dispose of the container as follows:

##### **Bottom Discharge IBC (e.g. - Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

##### **Top Discharge IBC, Drums, Kegs (e.g.- Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

#### **[Dilutable Seed Treatment Products in Non-Refillable Metal Containers]**

**Nonrefillable container. DO NOT** reuse or refill this container. After emptying product from container, rinse and either recycle or dispose of the container as follows:

**Liquid dilutables in containers small enough to shake (5 gallons or less)**

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.

**Solid dilutables in containers small enough to shake (5 gallons or 50 pounds or less)**

Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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.

**Any dilutable pesticides in containers too large to shake (larger than 5 gallons or 50 pounds)**

Triple Rinse as follows: Empty 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.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

**[Non-Dilutable Seed-Treatment Products in Non-Refillable Containers]****Seed-Treatment Products in Non-Refillable Fiber Drums with Liners**

Non-refillable container. **DO NOT** reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**Seed-Treatment Products in Non-rigid, Non-Refillable Containers**

Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**[Seed Treatment Products in Refillable Containers]**

**Refillable container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. After emptying product from container, rinse and either recycle or dispose of the container as follows:

**Bottom Discharge IBC (e.g. - Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing 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 pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g. - Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)**

Triple rinsing 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 triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, remove one way valves or clean container.