

# CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



syngenta®

**ACTIVE CONSTITUENTS:** 66.2 g/L DIFENOCONAZOLE  
16.5 g/L METALAXYL-M  
13.8 g/L SEDAXANE

|              |          |          |          |                  |
|--------------|----------|----------|----------|------------------|
| <b>GROUP</b> | <b>3</b> | <b>4</b> | <b>7</b> | <b>FUNGICIDE</b> |
|--------------|----------|----------|----------|------------------|

*For the control or suppression of seedling diseases in Barley, Oats, Triticale and Wheat as specified in the Directions for Use*

**Syngenta Australia Pty Limited**  
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

**In a transport emergency dial 000, Police or Fire Brigade**  
**For specialist advice in an emergency only, call 1800 033 111 (24 hours)**

APVMA Approval No.: 64098/59105  
Item number

TM

## DIRECTIONS FOR USE

| Crop                        | Disease  | Rate<br>mL/100 kg<br>seed | Critical Comments  |
|-----------------------------|--|---------------------------|--|
| <b>Barley</b>               | Covered Smut ( <i>Ustilago segetum</i> )<br>Loose Smut ( <i>Ustilago</i> spp.)   | 90 - 180                  | Apply diluted with water to clean /healthy seed before sowing. Thorough mixing is required to ensure complete coverage. Coverage of all seeds is essential.  |
|                             | Net Blotch ( <i>Pyrenophora teres</i> )<br>– seed-borne<br>Pythium Root Rot ( <i>Pythium</i> spp.)   | 180                       |  |
|                             | Rhizoctonia root rot (bare patch)<br>– suppression   | 180-360                   | Allow seed to dry before bagging.  |
| <b>Oats</b>                 | Loose Smut ( <i>Ustilago avenae</i> )<br>Pythium Root Rot ( <i>Pythium</i> spp.)   | 180                       | <i>Rhizoctonia control:</i> Use the highest rate (360 mL) to suppress this disease in paddocks where paddock history or soil testing indicates a risk of Rhizoctonia root rot and where minimum tillage is used. Note that management of Rhizoctonia bare patch requires a fully integrated disease management strategy. |
|                             | Rhizoctonia root rot (bare patch)<br>– suppression   | 360                       |  |
| <b>Triticale,<br/>Wheat</b> | Common Bunt ( <i>Tilletia</i> spp.)<br>Flag Smut ( <i>Urocystis agropyri</i> )<br>– seed and soil-borne<br>Loose Smut ( <i>Ustilago tritici</i> )<br>Pythium Root Rot ( <i>Pythium</i> spp.) | 180                       | <i>Fusarium and White Grain suppression:</i> Use the highest rate (360 mL) to suppress these diseases where seed has been sourced from infected fields or where seed history is unknown.   |
|                             | Fusarium head blight ( <i>Fusarium graminearum</i> ) seed borne<br>- suppression<br>White Grain ( <i>Botryosphaeria</i> spp.)<br>- suppression   | 180-360                   |  |
|                             | Rhizoctonia root rot (bare patch)<br>– suppression   | 360                       |  |
|                             |  |                           |  |

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

### WITHHOLDING PERIODS

**Barley, Oats, Triticale, Wheat:**

**Harvest: NOT REQUIRED WHEN USED AS DIRECTED**

**Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER SOWING**

### GENERAL INSTRUCTIONS

VIBRANCE is a systemic seed dressing that controls or suppresses certain seed-borne and soil-borne diseases of barley, oats, triticale and wheat. It is a mixture of sedaxane, difenoconazole and metalaxyl-M. Metalaxyl-M controls or suppresses infection of roots caused by Pythium.

Difenoconazole and sedaxane control or suppress the remaining plant diseases.

More than five loose smut infected heads per hundred heads can produce levels of seed infection that may not be adequately controlled by any seed treatment. Always attempt to use new disease-free seed if possible.

### Mixing

Shake well before use to ensure that the suspension is thoroughly mixed. Thoroughly mix the recommended amount of VIBRANCE into the required amount of water or where the highest rate (360mL/100 kg seed) is used apply undiluted. VIBRANCE should be mixed in a minimum volume of 360 mL (product plus water)/100 kg seed and a maximum of 600 mL (product plus water)/100 kg seed before application. Coverage of all seeds is essential. Maintain constant agitation of the slurry during application.

## Application

Apply via drill sowing only. Apply VIBRANCE as a water-based slurry using standard slurry treatment equipment that provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. For best results, VIBRANCE should be used to treat only undamaged seed of high viability.

## Fungicide Resistance Warning | | | | | | |-------|---|---|---|-----------| | Group | 3 | 4 | 7 | Fungicide | |-------|---|---|---|-----------|

VIBRANCE Fungicide Seed Treatment is a combination of a DMI, a phenylamide and carboxamide fungicide. For fungicide resistance management VIBRANCE is a combination of a Group 3, a Group 4 and a Group 7 fungicide. Some naturally occurring individual fungi resistant to VIBRANCE and other Group 3 and/or Group 4 and/or Group 7 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. The resistant fungi will not be controlled by VIBRANCE and other Group 3 and/or Group 4 and/or Group 7 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of VIBRANCE to control resistant fungi.

## PRECAUTIONS

DO NOT use treated seed for animal or human consumption.

DO NOT allow seed treated with this product to contaminate seed intended for human or animal consumption.

DO NOT feed treated seed, or otherwise expose, to wild or domestic birds. Any spillages of treated seed, however minor, must be cleaned up immediately, preferably by recovery and re-use. If disposal is required, ensure treated seeds are thoroughly buried and not accessible to birds and other wildlife. When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate the contents have been treated.

Bags which have held treated seed should not be used for any other purpose.

### Re-handling treated seed

DO NOT allow re-handling of treated seed until dry, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

## PROTECTION OF LIVESTOCK

DO NOT feed treated seeds to animals, including poultry.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product, used containers or bags which have held treated seeds.

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

### **[Non-refillable packs]**

Triple or preferably pressure rinse containers before disposal. Add rinsings to slurry in auger/mixer. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

### **[Refillable packs]**

Empty contents fully into application equipment. Close all valves and return to point of sale for refill or storage.

## SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes.

When opening the container, preparing slurry and using the prepared slurry, wear:

- cotton overalls buttoned to the neck and wrist (or equivalent clothing)
- chemical resistant gloves

Wash hands after use. After each day's use, wash gloves and contaminated clothing.

## FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126.

## MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at [www.syngenta.com.au](http://www.syngenta.com.au)

## DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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|                     |  |
|---------------------|--|
| Batch Number        |  |
| Date of Manufacture |  |