

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Vibrance[®] Premium

Fungicide Seed Treatment

syngenta[®]

ACTIVE CONSTITUENTS: 50 g/L FLUDIOXONIL
 40 g/L SEDAXANE

| | | | |
|-------|----------|-----------|-----------|
| GROUP | 7 | 12 | FUNGICIDE |
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For the control of seed borne diseases in Potatoes in storage and after planting

Syngenta Australia Pty Ltd
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: 84667/111081



DIRECTIONS FOR USE

| Crop | Disease | Rate | Critical Comments |
|----------|---|-------------------|--|
| Potatoes | Black scurf <i>(Rhizoctonia solani)</i> Silver scurf <i>(Helminthosporium solani)</i> Black dot <i>(Colletotrichum coccodes)</i> Gangrene <i>(Phoma exigua)</i> Fusarium dry rot <i>(Fusarium sulphureum)</i> Suppression of Common scab <i>(Streptomyces scabies)</i> | 500 mL/tonne seed | <p>Apply VIBRANCE PREMIUM to the seed potato at or prior to planting or prior to storage. Ensure even distribution over the seed.</p> <p>Pre-plant applications: Ensure seed is dry before planting. DO NOT plant wet seed. DO NOT apply VIBRANCE PREMIUM to seed if conditions or seed quality favour bacterial rots as these diseases may be aggravated if seed comes into contact with any additional moisture. DO NOT apply VIBRANCE PREMIUM to seed at planting in hot, sandy soils as bacterial rots may be aggravated.</p> <p>Disease control may be reduced or inadequate in situations where tubers are planted into heavily infested soil. In these situations, use of an approved in-furrow fungicide (eg Amistar® 250 SC) is recommended in addition to treating seed with VIBRANCE PREMIUM. Best results will be obtained where VIBRANCE PREMIUM is used in an integrated program aimed at reducing seed and soil borne diseases.</p> <p>Pre-storage applications: Ensure seed is dry before storage. DO NOT store wet seed. Ensure industry best practices are followed to minimise development and severity of storage diseases. Untreated seed being removed from cool storage should be properly warmed prior to VIBRANCE PREMIUM being applied. DO NOT apply to seed potatoes prior to planting if an application was made prior to storage. For best results for control of Fusarium Dry Rot during storage, apply VIBRANCE PREMIUM with a registered formulation of imazalil. See note below on product compatibility.</p> |

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

WITHHOLDING PERIODS

Potatoes: NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS

Application to Seed Potatoes

See Critical Comments for Potatoes for important restraints in application.

Best Practices for Handling, Treating and Storing Treated Seed

VIBRANCE PREMIUM should be used as an integral part of a potato disease management strategy. This strategy includes the use of high quality seed and the incorporation of cultural techniques such as crop rotation and optimal harvest time for tubers to minimise disease development, proper handling of tubers to avoid unnecessary bruising, application of the seed piece treatment to clean seed pieces with a properly calibrated application system, minimising total application volumes at treatment, rapid and complete drying of potatoes before entering storage, and management and sanitation of equipment and storage areas to reduce inoculum including avoidance of storage conditions that lead to free moisture or condensation. Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, may result in reduced germination and/or reduction of seed and seedling vigour. Some varieties are particularly susceptible to storage disease development. Information about the susceptibility of the variety being treated should be obtained and extra checks and precautions employed if necessary.

Application Prior to Planting

VIBRANCE PREMIUM can be applied prior to the planting operation as a traditional seed treatment. Complete coverage of planting material is essential for best results.

Over the table application

Apply 500 mL of VIBRANCE PREMIUM for each tonne of seed to be treated. VIBRANCE PREMIUM may be applied undiluted or diluted with water to a total volume of up to 3 L/tonne of seed treated. Use only sufficient water to give complete coverage. A purpose designed low volume atomising applicator will normally be necessary to achieve this when the throughput of seed is less than 6 tonnes/hour. The applicator should be mounted at the point of maximum seed rotation. Ensure seed is promptly and thoroughly dried after application, before planting. If necessary, dust seed with firkark after applying VIBRANCE PREMIUM to aid drying.

Application Prior to Storage

VIBRANCE PREMIUM can be applied prior to storage. Complete coverage of planting material is essential for best results. Apply 500 mL of VIBRANCE PREMIUM for each tonne of seed to be treated. VIBRANCE PREMIUM may be applied undiluted or diluted with water to a total volume of up to 3 L/tonne of seed treated. Use only sufficient water to give complete coverage. A purpose designed low volume atomising applicator will normally be necessary to achieve this when the throughput of seed is less than 6 tonnes/hour. The applicator should be mounted at the point of maximum seed rotation. Ensure seed is promptly and thoroughly dried after application, before storage. If necessary, dust seed with firkark after applying VIBRANCE PREMIUM to aid drying.

Compatibility

VIBRANCE PREMIUM is physically compatible with EC formulations of imazalil. Mixtures of VIBRANCE PREMIUM and WG or SG formulations of imazalil may precipitate, especially when lower water volumes are used. Test the mixture with WG or SG formulations of imazalil prior to mixing commercial quantities. Higher water volumes may reduce precipitation issues.

As formulations of other manufacturer's products are beyond the control of Syngenta, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

Fungicide Resistance Warning

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| Group | 7 | 12 | Fungicide |
|-------|---|----|-----------|

VIBRANCE PREMIUM Fungicide Seed Treatment is a combination of a phenylpyrrole and SDHI fungicide. For fungicide resistance management VIBRANCE PREMIUM is a Group 7 and Group 12 fungicide. Some naturally occurring individual fungi resistant to VIBRANCE PREMIUM and other Group 7 and/or Group 12 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 PREMIUM and other Group 7 and/or Group 12 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 PREMIUM to control resistant fungi.

PRECAUTIONS

DO NOT use treated seed or seed potatoes for animal or human consumption.

DO NOT allow treated seed or seed potatoes to contaminate other seed or potatoes intended for animal or human consumption.

When treated seed or seed potatoes are stored they should be kept apart from other seed or potatoes and the bags or other containers should be clearly marked to indicate the contents have been treated with this product. Bags and containers which have held treated seed or seed potatoes are not to be used for any other purpose.

DO NOT feed treated seed to, or otherwise expose, wild or domestic birds.

PROTECTION OF LIVESTOCK

DO NOT feed treated seed or seed potatoes to animals, including poultry.

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

DO NOT allow any feed material that has come in contact with this product to be fed to animals.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

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

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. 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 at 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.

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes.

Wash hands after use.

FIRST AID

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

SAFETY DATA SHEET

If additional hazard information is required, refer to the Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at 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.

Product names marked ® or ™, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company



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