

# **RYE**

## General Information

### PRODUCT INFORMATION

Vibrance Extreme is a systemic seed treatment that provides protection against certain seed-borne, soil-borne, and early season foliar diseases of wheat, barley, oats, rye and triticale. The active ingredients in Vibrance Extreme are sedaxane, difenoconazole and mefenoxam. Sedaxane enhances the protections against *Ustilago* sp. and *Rhizoctonia* sp. in cereals. Difenoconazole provides protection against several seed, seedling certain foliar disease of cereals.

Mefenoxam provides protection against damping-off caused by *Pythium* sp.

Maximum usage when applying both metalaxyl-and mefenoxam-containing products to the same crop within the same season: Do not apply more than the maximum seasonal total for the active ingredient as stated on the label of the product containing the lowest seasonal total on that crop.

Note: Mefenoxam is a systemic fungicide having a specific mode of action and could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Syngenta cannot assume liability for crop damage resulting from insensitive strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible mefenoxam insensitive strains of fungi which may occur.

### Resistance Management

Vibrance Extreme contains the fungicide mefenoxam, a systemic fungicide having a specific mode of action against fungal pathogens.

Consult your local pest control advisor or extension office for additional methods for preventing resistance development. Syngenta encourages responsible product stewardship to ensure effective long term control of the fungal pests on the label.

For additional information on Fungicide Resistance Management:

- Contact Syngenta representatives at 1-800-334-9481
- Contact your local extension specialist or certified crop advisor
- Visit the Fungicide Resistance Action Committee (FRAC) on the web at:  
<http://www.frac.info>

## SEED BAG LABEL REQUIREMENT

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

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

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

- Store away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Wear long-sleeved shirt, long pants, and waterproof gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwater.
- Dispose of seed packaging in accordance with local requirements.

- In the event of crop failure or harvest of a crop grown from seed treated with Vibrance Extreme, the following crops may be replanted immediately: canola, soybean, and cereal grains (barley, oat, rye, triticale, and wheat).

For any other crops the minimum plantback interval is 30 days from the date seeds treated with Vibrance Extreme were planted.

- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used for agronomic practice.

- The maximum number of applications per season is 2.

#### Limitations, Restrictions, and Exceptions

- Active on pathogens that cause general seed rots. This includes those caused by saprophytic organisms such as Fusarium, Pythium, Rhizoctonia, Penicillium and Aspergillus.

- Use the 5.6 fluid ounce per 100 lbs for protection against this disease.

- Suppression means consistent protection at a level which is not optimal but is still of commercial benefit.

- Provides protection against both seed- and soil-borne bunts (common, dwarf).

#### Method

##### [Seed Treatment](#)

##### Rates

##### [field rates 0](#)

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##### Restricted Entry Interval

48 hours

Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

N.A.