



## A Four-Way Formulation Delivering a Boost to Rooting Power

CruiserMaxx<sup>®</sup> Vibrance<sup>™</sup> Cereals seed treatment insecticide/fungicide delivers a boost to Rooting Power<sup>™</sup> in wheat and barley through its best-in-class activity against *Rhizoctonia* and a wide range of insects and diseases. Featuring sedaxane, a member of the succinate dehydrogenase inhibitor (SDHI) class of fungicides, CruiserMaxx Vibrance Cereals offers cereal growers the power of four combined chemistries to safeguard seeds, young seedlings and roots from a broad range of seedborne and soilborne diseases, as well as insects. Whether applied on-farm or through commercial, on-site seed treater or seed company, CruiserMaxx Vibrance Cereals helps cereal crops establish stronger, more vigorous roots that help boost crop productivity and increase yield potential.

### Benefits of CruiserMaxx Vibrance Cereals

- Combines best-in-class *Rhizoctonia* activity with protection against a wide range of insects and diseases
- Boosts Rooting Power through longer-lasting disease protection that leads to more powerful roots and improved crop performance
- Provides consistency in performance through optimized, tailor-made formulation, whether applied on-farm or through commercial, on-site seed treater or seed company
- Offers ideal systemicity and soil mobility to create a “halo of protection” around the seed and root system
- Delivers the Cruiser<sup>®</sup> Vigor Effect to help enhance germination, increase vigor, improve stand establishment and deliver better yield potential
- Contains sedaxane, the first fungicide active ingredient from Syngenta developed specifically as a seed treatment
- Provides a resistance management tool as it adds another seed treatment mode of action from the SDHI class of fungicides to the Syngenta Seedcare portfolio

#### Impact of *Rhizoctonia*



Untreated

VIBRANCE

Source: Syngenta

## Protects against

### Diseases

- Common Bunt
- Dwarf Bunt
- Karnal Bunt
- Common Root Rot (*Cochliobolus* spp., suppressed)
- Covered Smut
- False Loose Smut
- Loose Smut
- True Loose Smut
- Fusarium Crown and Foot Rot (suppressed)
- Fusarium Seed Scab
- General Seed Rots
- Pythium Damping-off
- *Pythium* spp.
- Seedling Blight, Root Rot and Damping-off caused by seedborne and soilborne *Fusarium* spp. or *Rhizoctonia* spp.
- Seedling Blight, Root Rot, and Damping-off caused by soilborne *Pythium* spp.
- Seedborne *Septoria*
- *Septoria* Leaf Blotch
- Take-all (suppressed)
- Wireworms (suppression)

### Insects

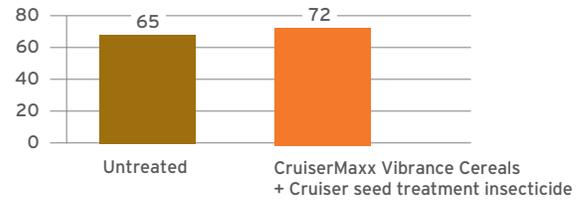
- European Chafer
- Wireworms (suppression)

## Use Recommendations

- **Crops:** Winter wheat, spring wheat, barley, triticale, oats, rye
- **Use Rate:** 5-10 fl. oz./100 lbs. seed
- **Application:** on-farm or through commercial, on-site seed treater or seed company

### Yield Results: *Rhizoctonia solani* Protection in Barley

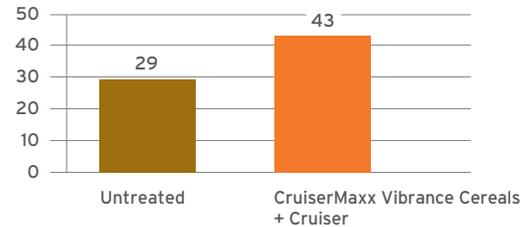
Yield (bu/A)



Trial in Bozeman, Mont., 2010.

### Yield Results: *Fusarium* Protection in Spring Wheat

Yield (bu/A)

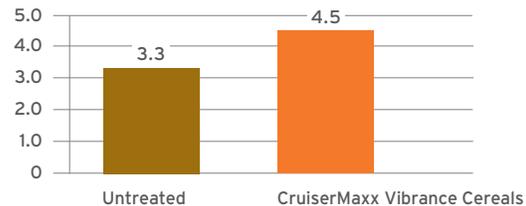


Average of 4 inoculated trials, N.D. and Minnesota, 2010.

### Common Root Rot Protection in Winter Wheat

Vigor (1-5)

Plant vigor index with 1 = very poor and 5 = very vigorous growth



Inoculated trial in Bozeman, Mont., 2010. Results recorded 212 days after planting.

## The Keys to Rooting Power

Broad-spectrum disease protection

that leads to stronger, more powerful roots

and enhanced crop performance.

Seed treatment fungicides will help defend roots from a range of damaging seedborne and soilborne diseases, including *Rhizoctonia* root rot, to deliver a new level of disease protection.

Root systems are more robust and can more efficiently utilize moisture and nutrients.

More robust root systems help produce healthier, stronger stems and foliage that better withstand environmental stress. This protects the genetics of the crops, and ultimately, leads to improved yield potential.

 **CruiserMaxx<sup>®</sup> Vibrance<sup>™</sup>**  
Cereals

 **syngenta<sup>®</sup>**

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