









# Cereal Seed Treatment Comparison

SyngentaFarm.ca  
1-87-SYNGENTA (1-877-964-3682)

|  |  CruiserMaxx <sup>®</sup> Vibrance <sup>®</sup> Cereals<br>VIGOR TRIGGER <sup>®</sup> |  Vibrance <sup>®</sup> XL |  Proseed <sup>™</sup> 3 |  Raxil <sup>®</sup> Pro Shield |  Raxil <sup>®</sup> Pro |  Raxil <sup>®</sup> MD |  Raxil <sup>®</sup> WW |  Insure <sup>™</sup> |
|--|--|--|---|---|--|---|---|---|
| <b>Active ingredient(s)</b>            | Difenoconazole, metalaxyl-M, thiamethoxam and sedaxane   | Sedaxane, difenoconazole and metalaxyl-M   | Fludioxonil   | Prothioconazole, tebuconazole, metalaxyl and imidacloprid   | Prothionconazole, tebuconazole and metalaxyl   | Tebuconazole and metalaxyl  | Tebuconazole, metalaxyl and imidacloprid  | Pyraclostrobin, triticonazole and metalaxyl   |
| <b>Fungicide group(s)</b>              | 3, 4, 7  | 3, 4, 7  | 12  | 3, 4  | 3, 4   | 3, 4  | 3, 4  | 3, 4, 11  |
| <b>Crops registered</b>                | Wheat, barley, oats, rye and triticale   | Wheat, barley, oats, rye and triticale   | Wheat, barley, oats, rye and triticale  | Wheat, barley and oats  | Wheat, barley and oats   | Wheat, barley and oats  | Wheat, barley and oats  | Wheat, barley, oats, rye and triticale  |
| <b>Insecticidal activity</b>           |  |  |   |   |  |   |   |   |
| Wireworm                               | ● <sup>1</sup>   |  |   | ● <sup>2</sup>  |  |   | ● <sup>2</sup>  |   |
| <b>Wheat diseases</b>                  |  |  |   |   |  |   |   |   |
| Loose smut                             | ●  | ●  |   | ●   | ●  | ●   | ●   | ●   |
| Common bunt                            | ●  | ●  |   | ●   | ●  | ●   | ●   | ●   |
| <i>Pythium</i> spp.                    | ●  | ●  |   | ●   | ●  | ●   | ●   | ●   |
| <i>Fusarium</i> spp.                   | ●  | ●  | ●   | ●   | ●  | ●   | ●   | ●   |
| Common root rot                        | ●*   | ●*   |   | ●*  | ●*   | ●*  | ●*  | ●*  |
| Take all                               | ●*   | ●*   |   |   |  |   |   |   |
| <i>Rhizoctonia</i>                     | ●  | ●  | ●   |   |  |   |   |   |
| <b>Barley diseases</b>                 |  |  |   |   |  |   |   |   |
| True loose smut                        | ●  | ●  |   | ●   | ●  | ●   | ●   | ●   |
| False/Covered smut                     | ●  | ●  |   | ●   | ●  | ●   | ●   | ●   |
| <i>Pythium</i> spp.                    | ●  | ●  |   | ●   | ●  | ●   | ●   | ●   |
| <i>Fusarium</i> spp.                   | ●  | ●  | ●   | ●   | ●  | ●   | ●   | ●   |
| Common root rot                        | ●*   | ●*   |   | ●*  | ●*   | ●*  | ●*  | ●*  |
| <i>Rhizoctonia</i> spp.                | ●  | ●  | ●   |   |  |   |   |   |
| <b>Application rate mL/100 kg seed</b> | 325  | 180 <sup>4</sup>   | 5.2   | 325 Raxil Pro plus 50 Stress Shield <sup>®</sup>  | 325  | 300   | 300 Raxil MD plus 63 Stress Shield <sup>®</sup>   | 300   |
| <b>Application rate bu/jug</b>         |  |  |   |   |  |   |   |   |
| Wheat                                  | 113/10 L   | 113/5.54 L   | 1300/1.84 L   | 113/10 L + 1.54 L   | 113/10 L   | 122/10 L  | 122/10 L x 2.1 L  | 120 bu/9.8 L  |
| Barley                                 | 141/10 L   | 141/5.54 L   | 1625/1.84 L   | 141/10 L + 1.54 L   | 141/10 L   | 153/10 L  | 153/10 L x 2.1 L  | 150 bu/9.8 L  |
| <b>2014 SRP \$/bu [TBC]</b>            |  |  |   |   |  |   |   |   |
| Wheat                                  | \$5.38   | \$3.29   | \$1.59  | \$5.45  | \$3.35   | \$2.87  | \$4.87  | \$3.10  |
| Barley                                 | \$4.31   | \$2.64   | \$1.27  | \$4.36  | \$2.68   | \$2.29  | \$3.88  | \$2.48  |
| Oats                                   | \$3.05   | \$1.87   | \$0.90  | \$3.09  | \$1.90   | \$1.62  | \$2.74  | \$1.77  |

\*Suppression

<sup>1</sup> The 325 mL/100 kg seed rate of Cruiser Maxx<sup>®</sup> Vibrance<sup>®</sup> Cereals provides in-season protection of wireworm activity. If pressure is moderate to high or control is required, use 650 mL/100 kg seed to apply 20 g thiamethoxam per 100 kg seed. Alternatively, Cruiser Maxx Vibrance Cereals can be tank-mixed with Cruiser<sup>®</sup> 5FS seed treatment insecticide to achieve a total use rate of 20–30 g of thiamethoxam per 100 kg seed. THIS TANK-MIX MAY BE APPLIED IN COMMERCIAL SEED TREATMENT FACILITIES ONLY. Consult each product label for registered use rates and follow all label use instructions. Read the label directions for each product and follow the most restrictive label precautions and limitations.

<sup>2</sup> In-season protection. <sup>3</sup> For use in commercial seed treatment facilities only.

<sup>4</sup> Vibrance<sup>®</sup> XL is packaged as 5.54 L in a 10 L container. Add water to 10 L line in jug to obtain slurry rate of 325 mL/100 kg seed. Treat 113 bushels of wheat or 141 bushels of barley with 10 L of diluted slurry.

All source information taken from Pest Management Regulatory Agency (PMRA) approved labels.

Always read and follow label directions. Cruiser<sup>®</sup>, Cruiser Maxx<sup>®</sup>, Cruiser Maxx<sup>®</sup> Cereals, Cruiser Maxx<sup>®</sup> Vibrance<sup>®</sup> Cereals, Proseed<sup>™</sup>, Rooting Power<sup>™</sup>, Vibrance<sup>®</sup> XL, Vigor Trigger<sup>®</sup> and the Syngenta logo are trademarks of a Syngenta Group Company. Insure<sup>™</sup> is a trademark of BASF. Raxil<sup>®</sup> and Stress Shield<sup>®</sup> are registered trademarks of Bayer CropScience Canada. © 2014 Syngenta.

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syngenta<sup>®</sup>

# Experience vibrant roots and plants with Cruiser Maxx Vibrance Cereals

**When the Vigor Trigger® effect meets Rooting Power™, you get enhanced crop establishment from stronger, faster-growing plants – above and below the ground.**

Plus Cruiser Maxx Vibrance Cereals seed treatment protects your wheat, barley, oats, rye and triticale crops against insects such as wireworms as well as a broad range of diseases, and it delivers best-in-class *Rhizoctonia* control.

## Rooting Power in action

With Rooting Power hard at work, Cruiser Maxx Vibrance Cereals delivers:

- More extensive roots so plants are better able to absorb nutrients and moisture to outcompete weeds.
- A stronger foundation to help ensure that the stand is upright at harvest.
- Better soil defenses against harmful pathogens and pests with a powerful insecticide, one contact fungicide and two systemic fungicides.

## Activate the Vigor Trigger effect

Cruiser Maxx Vibrance Cereals provides the distinct Vigor Trigger effect, which:

- Causes seedlings to emerge faster and fend off environmental stresses, such as cool and dry soil conditions.
- Provides an essential benefit for growers who are seeding spring wheat and barley early in the season when the weather can be unpredictable.
- Causes plants to draw on their inner resources in cool and stressed soils - conditions which make the Vigor Trigger effect most pronounced.



Pense, SK. July 2013

### Cruiser Maxx Vibrance Cereals

- White subcrown internode
- Suggests healthy root system
- Rooting Power



### Untreated

- Brown subcrown internode
- Suggests common root rot
- No Rooting Power



Pense, SK. July 2013

### Untreated

### Cruiser Maxx® Cereals

### Cruiser Maxx Vibrance Cereals



Hodgeville, SK. 2013

### Cruiser Maxx Vibrance Cereals – rooting system holding onto soil