Let’s Talk About Roots

A strong, healthy root system is critical to maximizing crop performance in corn. A larger root surface area improves a plant’s ability to absorb water, take in nutrients and manage stress. That means protecting tiny root hairs goes a long way toward improving yield potential.

One of the greatest threats to corn root health is *Rhizoctonia*, a soil-borne fungus that weakens plants during the early development stages by feeding on root systems. Due to the impact on plant health, lost root potential may never be regained once *Rhizoctonia* attacks. Since the damage often occurs at the root level, the effects of *Rhizoctonia* are not always seen above ground.

Good root health begins with a good seed treatment. Since the value of genetics and traits is so high, you need to make every effort to protect the roots and the yield potential of your seed.

The Best Insect and Disease Protection Comes with Enhanced Root Health

*CruiserMaxx® Vibrance® Corn*, a combination of separately registered products, is an insecticide/fungicide seed treatment that offers superior insect and disease protection with enhanced root health. The addition of Vibrance to the already robust fungicide package in CruiserMaxx Corn brings a third mode of action against *Rhizoctonia* and increases each crop’s RootingPower.

The result is comprehensive early-season insect and disease protection for healthy, vigorous seedlings, the strongest root system possible and the highest potential yields.

![CruiserMaxx Vibrance Corn](image1)

![Untreated check](image2)
Insect Protection
In addition to its best-in-class disease protection, CruiserMaxx Vibrance Corn offers superior action against a broad spectrum of early-season insects, including:

- Wireworm
- Chinch bug
- Seedcorn maggot
- Southern corn leaf beetle
- Corn flea beetle
- White grub*
- Black cutworm
- Thrips
- Grape colasps
- Southern green stinkbug
- Seedcorn beetle
- Corn leaf aphid
- Sugarcane beetle
- Billbug**
- Corn rootworm**

CruiserMaxx Vibrance Corn is available in three different versions, with varying levels of the insecticide component:

- **CruiserMaxx Vibrance Corn 250** insecticide (0.25 mg thiamethoxam/seed)
- **CruiserMaxx Vibrance Corn 500** provides an increased rate of insecticide (0.50 mg thiamethoxam/seed) for enhanced insect protection
- **CruiserMaxx Vibrance Corn 1250** offers the highest available rate of insecticide (1.25 mg thiamethoxam/seed) for added insect protection against corn rootworm and billbug. It is a key component in an effective corn rootworm management plan.

Disease Protection
CruiserMaxx Vibrance Corn offers the most comprehensive combination of seed treatment fungicides on the market today, protecting against the following diseases in corn:

<table>
<thead>
<tr>
<th>Seed-Borne:</th>
<th>Soil-Borne:</th>
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<tbody>
<tr>
<td><em>Fusarium</em></td>
<td><em>Pythium</em></td>
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<tr>
<td><em>Cladosporium</em></td>
<td><em>Rhizoctonia</em></td>
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<tr>
<td><em>Helminthosporium</em></td>
<td><em>Fusarium</em></td>
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<td><em>Diplodia (Stenocarpella)</em></td>
<td><em>Fusarium graminearum</em></td>
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<tr>
<td><em>Aspergillus</em></td>
<td><em>Fusarium verticillioides</em></td>
</tr>
<tr>
<td><em>Penicillium</em></td>
<td><em>Macrophomina</em></td>
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<td><em>Sporisorium (Sphacelotheca)</em></td>
<td><em>Diplodia (Stenocarpella)</em></td>
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<td><em>Mucor</em></td>
<td><em>Sporisorium</em></td>
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<tr>
<td><em>Rhizopus</em></td>
<td><em>Penicillium</em></td>
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<td><em>Colletotrichum</em></td>
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Proven in the Field
The addition of Vibrance to the CruiserMaxx Corn package has shown improvements in yield, both in high and low disease pressure environments.

**CruiserMaxx Vibrance Corn 250 vs. CruiserMaxx Corn 250**
84 Trials Across 4 Years – Low Disease Pressure

In 84 comparisons in lower disease pressure, Vibrance shows an average of nearly **2 bu/A improvement** in yield.

**CruiserMaxx Vibrance Corn 250 vs. CruiserMaxx Corn 250**
7 Trials Across 3 Years – High Disease Pressure

In seven *Rhizoctonia* inoculated locations (high disease pressure), the addition of Vibrance shows more than a **9 bu/A increase**.

* Including Japanese beetle larvae, European Chafer larvae, true white grub, annual white grub and May/June beetle larvae.
** Requires the higher application rate of thiamethoxam (1.25 mg a.i./seed). Corn rootworm protection includes Mexican, Northern, Southern and Western species.

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