Rhizoctonia: A Hidden Menace

Rhizoctonia is a soil-borne fungus that attacks plants in early development stages, including both seeds and seedlings. Rhizoctonia weakens plants during pre-emergence and post-emergence by feeding on the root system, causing slowed growth and damping off. Damaged root hairs hurt the plants’ ability to absorb water and nutrients, and manage stress, reducing their potential to achieve maximum yield. The lost rooting potential may never be regained because of the significant impact on early plant health and development. Rhizoctonia is not always easily seen above ground in the host plant since damage often occurs at the root level.

Vibrance® seed treatment fungicide brings best-in-class Rhizoctonia protection for stronger, healthier roots, which are critical to maximizing plant performance.

Germination and emergence 0, 2, 4, 5, 6, 7 (VE), 8, 10 (V1), and 12 (V2) days after planting.¹

V6 growth stage (GS), V7 GS magnified tassel development and lower dissected V6 GS plant shown from left to right.¹

How Vibrance Helps

The disease protection in Vibrance helps shield the developing plant against reduced emergence, and helps increase plant stand and vigor during the critical early stages of growth when yield potential is determined. The proprietary fungicide uses the active ingredient sedaxane, the first Syngenta molecule developed specifically for the seed treatment market.

Vibrance has shown the efficacy to improve average yield of plants in both high and lower disease pressure environments. Available with Avicta® Complete Corn nematicide/insecticide/fungicide seed treatment and CruiserMaxx® Corn insecticide/fungicide seed treatment (a combination of separately registered products), Vibrance adds a third mode of action for Rhizoctonia protection to these offerings.

In 84 comparisons in lower disease pressure, Vibrance still shows on average nearly 2 bu/acre improvement in yield.

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

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