

Overview

Email from Maury Johnson of Blue River Hybrids, to Todd Zehr of Soil Biotics on November 4, 2012 in regards to test results using SoilBiotics Organic  Seed Treatment.

This past spring we planted a replicated yield trial looking at SoilBiotics Organic  Seed Treatment*.

Description

- One group of 6 mid-section hybrids was planted at 10 locations, 9 of which were harvested.
- A 2nd group of 5 full season hybrids was planed at 9 locations, 8 of which were harvested.
- Each hybrid came from the same lot and seed size, and was planted with untreated seed, seed coated with SoilBiotics Organic  Seed Treatment*, and seed planted with a standard conventional fungicide, Maxim.
- Each hybrid was planted 3 times (randomized plots) at each group location. Locations were in Iowa, Illinois, and Minnesota.

Results

- Plants per acre- Maxim had 546 more than untreated, SoilBiotics Organic  Seed Treatment* had 218 more plants per acre than untreated.
- Moisture and test weight were about the same for all treatments.
- Bushel per acre yield- SoilBiotics Organic  Seed Treatment* yields were 2.9 bu/acre higher than untreated, Maxim was 2.7 bu/acre higher.
- If Organic corn is \$14.00/bushel, the SoilBiotics Organic  Seed Treatment* provided \$40.60 more income per acre than untreated, and Maxim provided \$37.80 more income per acre than untreated.
- Stalk lodging was about the same for both untreated and SoilBiotics Organic  Seed Treatment*, but the SoilBiotics Organic  Seed Treatment* had a third less root lodging. The improvement in root lodging was good to see, though not totally un-expected.

Summary

"To some, 2.9bushels may not sound like a lot, but considering the number of locations, hybrids, and plots involved, it seems to me that SoilBiotics Organic  Seed Treatment* coating provides good value to the customer." per email from Maury Johnson dated November 4, 2012

*X-Cell Seed Treatment renamed SoilBiotics Organic  Seed Treatment February 2014