



Welcome to Ground Work

Higher Rates of **SP-1™**

11/23/11

AgriEnergy Resources' dealer in southwest Nebraska had the pleasure of working with one of the area's organic farmers on a trial to evaluate using a high rate of **SP-1™** in the starter program.

The cooperating producer was Steve Jehorek of Brule, Nebraska, who conducted the trial on a 130-acre pivot irrigated field. Following are details of the trial:

Fall of 2010

- Turkey compost was applied at a rate of 2 tons/acre
- Field planted to winter wheat
- No other fertility was applied

Spring of 2011

- When spring arrived it was determined that the stand of wheat had suffered winter kill and should be destroyed

- The field was then worked twice with a field cultivator

Planting

- The field was planted to organic field corn on May 12, 2011
- Variety: Great Harvest Organics 59R5 (a 101-day corn)
- Seeding rate: 30,000 seeds/acre
- Final stand count at harvest: 22,000 plants/acre for both the control and treated plots

Plot Layout

- Steve decided to plant 24 rows treated and 24 rows control side-by-side across the field
- This planting pattern provided a side-by-side trial with the only variable being the amount of **SP-1™** ground applied

*2011 **CONTROL** Fertility Program*

- **1 gallon/acre SP-1™**
- 2 gallons/acre Drammatic ONE fish
- 2 gallons/acre Pillar
- 5 gallons/acre 3% Nitrogen

10 gallons/acre total mix– all soil applied in the seed trench

*2011 **TREATED** Fertility Program*

- **15 gallons/acre SP-1™**
- 2 gallons/acre Drammatic ONE fish
- 2 gallons/acre Pillar
- 5 gallons/acre 3% Nitrogen

24 gallons/acre total mix– 10 gallons/acre of the mix was soil applied in the seed trench PLUS 14 gallons/acre of the mix was streamed behind the planter on top of the row

So, how did it go? Here's the answer in pictures...



Treated corn yielded **30 bushels/acre more** than the control. Current cash price for organic corn in Steve's area is \$10.25/bushel. 30 extra bushels x \$10.25 = an **extra \$307.50 per acre**.

AgriEnergy Resources thanks Steve for his diligence in laying out the plot and recording his observations and results; and for sharing those results with us. Steve is planning to conduct a similar experiment on his farm during 2012. If you are interested in trying some different rates of **SP-1™**, contact your AgriEnergy representative to decide what makes sense to test on your soils, your crops, and with your equipment.

Happy Thanksgiving from AgriEnergy Resources!