



November 2011

v o l u m e 2

From the desk of: Mike Petersen, Orthman Mfg. Inc.

mpetersen@orthman.com
308 325 3474

fall HARVEST at the



nebraska Research Farm.

Lexington, NE - Orthman Headquarters

Cooperators: **Hoegemeyer Seed, FB Sciences Co., Kugler Fertilizer Co., Landmark Imp. John Deere.**

We with the Orthman Agronomy team have been challenged by growers across the Corn Belt to evaluate the Orthman method of strip-till (with a 1tRIPr) in the spring with additions of fertilizer enhancing products in irrigated corn. This was carried out in our north portion of the farm which has some unique challenges of soils with higher pH levels and some salinity levels rising. As well we have a seasonal water table condition that can limit growth and yield potential if not managed properly.

This year (2011) we selected two varieties (8228 & 7998) from Hoegemeyer Seeds (Hooper, NE A sub-company with Pioneer Seeds) that have demonstrated good results in the Western Corn Belt and marginal soil conditions. We added FBSciences **Carbon Boost-S®** to the spring Strip-Till fertilizer pass 30 days prior to planting at a 16oz/acre rate. The product is liquid and readily mixes with our liquid fertilizer program. **Carbon Boost-S®** is an enhancement product to initiate the uptake of nutrients quickly into the root system early in the crops life. It was our intention to see how this worked in cool, damp to nearly wet soils with pH levels 8.1-8.4.

Corn was planted in this area of the Orthman Research Farm on May 4th, 2011 with an 8 row John Deere Max Emerge planter, 30 inch row spacing at 33,500 seeds/acre. We applied **KQ15-15** as an "In-Furrow" low salt liquid fertilizer product from Kugler Fertilizer Company (McCook, NE) with the planter at a rate of 4gal/acre. We carried out this study in 8 row trials with replicated non-treated and treated with **Carbon Boost-S®**.

These trials provided a second year in a row positive results that **Carbon Boost-S®** bump yields and help the corn remain more healthy throughout the season. These plots were 8 rows wide by 1360 ft in length.

See the graphic to the right of what occurred in 2011.

Hoegemeyer 7998 and Carbon Boost® Test

Hoeg 7998 2nd Check 194 bu/A

No Carbon Boost

Hoeg 7998 CB + hum acid 206 bu/A

Carbon Boost

Hoeg 7998 CB 207 bu/A

Carbon Boost

Hoeg 7998 1st Check 196 bu/A

No Carbon Boost

Hoeg 7998 CB 205 bu/A

Carbon Boost

Hoegemeyer 8228 and Carbon Boost® Test

Hoeg 8228 CB + hum acid 215 bu/A

Carbon Boost

Hoeg 8228 CB 253 bu/A

Carbon Boost

Hoeg 8228 Check 199 bu/A

No Carbon Boost



Follow Orthman Ag on Facebook.



MIKE PETERSEN
308 325 3474
mpetersen@orthman.com



precision agriculture