

## 2018 Crop Inputs

### **Corn**

The inputs on the north farm for the 2018 season began last fall. The field was grid sampled and VRT application was recommended. Through a cooperative effort with Iowa Soybean Association and Chuck White the dry fertilizer was applied with a strip till machine. 140# of fall anhydrous was also applied.

This spring the pre plant application included 50# of 32% UAN, 2pt Surpass, and 32oz Durango. Both herbicides were supplied by Dow.

Corn was planted on May 18. It was in the low 70's and soil conditions improved from far too wet at the beginning of the week to good on planting day. Seed went into the ground at 1 ¾" deep and was planted at 33,500 plant population. The corn spiked through after 6 days on May 24.

The post application will be applied the week of June 11. The corn is at approximately V6 leaf stage. Dow is supplying Resicore. We are not using any post glyphosate due to the conventional corn.

Applications were sponsored by First Cooperative Association.

### **Soybeans**

The soybeans were planted on May 31. The soil conditions were slightly moist to start with but improved as the day went on. We planted about 2" deep at 150,000 plant population. The beans were emerging by June 2. Pre plant herbicides were applied May 26 ahead of planting and applications were provided by Rossie Feed & Grain. The herbicides used for burn down included 2.8 oz Flumioxazin, .3 lb Derive, 24 oz Powermax, and 24 oz 2,4-D ester.

Post application of glyphosate and Liberty will be applied later in the month of June.

### **Cover Crop Research Project**

The cover crop project got off to a late start last November with Chuck White applying replicated strips with the strip till machine. We used cereal rye for the cover crop and applied some in the strips and some on top with the strips. The strips were duplicated into the corn stubble on the south side and we broadcast the cereal rye there. Unfortunately the calendar was against us and the rye did not germinate until almost May due the late snows and cold weather this spring. The stands did get several inches tall before being terminated. We planned to do the termination differently but rain out of time. The cover crop impact on yield is expected to be nominal this year but we will find out at harvest. We are looking at alternatives to apply the cover crop seed sooner to see what benefits we can get if it gets a good start this fall rather than in the spring.

Many thanks to our committee members, Chemical companies, and local retailers for their valuable support in getting the plot planted.

