



## 2012 AgroVantage Plot Results

Location: Bath, IL

Corn Test Plot – Averages of 3 replications

### WEX<sup>®</sup> Soil Amendment

|            | Check  | WEX    | Advantage |
|------------|--------|--------|-----------|
| Yield, BPA | 158.62 | 164.60 | 5.98 bpa  |
| Moisture % | 14.13  | 13.83  | -0.3 pts  |

WEX<sup>®</sup> is a Multi-Purpose Wetting Agent that is used in soil amendment applications to provide enhanced root development which can result in yield improvement. WEX is typically applied pre-plant in combination with herbicides. In this study an additional 5.98 bushels of corn was harvested where WEX was applied; almost \$42.00 value considering a \$7.00 corn price, the advantage provided by enhancing root development is clear!

### Amplify<sup>®</sup>-D Seed Treatments

|            | Check  | Amplify-D | Advantage  |
|------------|--------|-----------|------------|
| Yield, BPA | 158.62 | 161.48    | +2.86 bpa  |
| Moisture % | 14.13  | 14.37     | +0.24 pts. |

Amplify-D is a seed germination aid based upon the concept of providing an extra source of adenosine mono-phosphate as a seed treatment so that this critical bio-chemical's concentration in the germinating seed does not become low enough to limit the rate of germination and emergence. The resulting increase in uniform rates of germination and emergence produces better plant stands and fewer low vigor plants that fail to produce grain. In this study, a 2.86 bushel increase was obtained, providing a \$20 return for a retail investment of \$4.50

### Magnify<sup>®</sup> LAI Microbial Inoculant

|            | Check  | Magnify LAI | Advantage |
|------------|--------|-------------|-----------|
| Yield, BPA | 158.62 | 162.62      | +4 bpa    |
| Moisture % | 14.13  | 14.73       | +0.6 pts. |

Magnify LAI is an azospirillum bacterial inoculant which is applied as a seed treatment or as an additive to in-furrow applied fertilizers. The two primary modes of action are enhanced nitrogen nutrition as the result of fixation of atmospheric nitrogen in the root zone and production of plant growth regulators which produce enhanced plant vigor. In this study, while moisture was slightly higher, a 4 bushel increase provided a \$28 return for a \$1.15 investment as a seed treatment.

### Feast 3-18-18 Fertilizer

|            | Check  | Feast 3-18-18 and Side-Kick – in-row | Advantage |
|------------|--------|--------------------------------------|-----------|
| Yield, BPA | 158.62 | 165.79                               | +7.17 bpa |
| Moisture % | 14.13  | 13.33                                | -0.8 pts  |

The Feast starter fertilizer products provide two primary benefits. Number one, they are extremely efficient and effective sources for the essential macro-nutrients N-P-K, reducing the need for application of less efficient broadcast applications. Number two, they are made from readily available plant food sources that produce rapid early growth and high vigor plants that are high yielding. In this study the 7.17 bushels of additional grain produced about \$50.00 additional dollars revenue for an investment of about \$44.00.