

3 Year Same Plot Fertilizer Program Comparisons in Corn

North Central Research Station

| | <u>treatment</u> | <u>2011</u> | <u>2012</u> | <u>2013</u> | <u>3 yr avg.</u> |
|---|-----------------------|-------------|-------------|-------------|------------------|
| 1 | N only | 195.5 | 189.8 | 195.1 | 193.5 |
| 2 | Conventional Dry | 202.4 | 196.4 | 208.4 | 202.4 |
| 3 | Conventional liquid | 207.7 | 197.1 | 207.1 | 204.0 |
| 4 | Low rate conv. liquid | 202.9 | 204.7 | 196.4 | 201.3 |
| 5 | AgroLiquid | 213.8 | 217.9 | 213.6 | 215.1 |

An AgroLiquid program continues to out yield conventional fertilizers while applying 48% less pounds of nutrition per acre.

Fertilizer Programs:

AgroLiquid: 3 gal Pro-Germ. + 5 gal Sure-K + 2 qt Micro 500 (in-furrow); 47 gal 28% + eNhance (sided:ress)

Low rate conv. liquid: 20 lbs 0-0-60 (fall PPI); 2 gal 10-34-0 + 1 qt Zn + 1 qt Mn (2x2); 47 gal 28% (sidedress)

Conv. liquid: 200 lbs 0-0-60 (fall PPI); 7.5 gal 10-34-0 + 1 qt Zn + 1 qt Mn (2x2); 57 gal 28% (sidedress)

Conv. dry: 200 lbs 0-0-60 (fall); 65 lbs 18-46-0 + 8 lb Zn + 365 lbs Urea (PPI)

N only: 57 gal 28% + eNhance (sidedress)