

MSU Soil Fertility Research Program

CORN RESPONSE TO MESZ AND MESB, 2012

Trial ID: CEL09-12 Location: CAMPUS Trial Year:
 Protocol ID: CEL09-12 Investigator: Kurt Steinke
 Project ID: CEL09-12 Study Director:
 Sponsor Contact:

| | | | | | | |
|--------------------|----------------|-------------|------------|------------|--------------|---------------|
| Crop Code | | | | | | ZEAMX |
| Crop Name | | | | | | Corn |
| Crop Variety | | | | | | DKC 48-12 RIB |
| Description | | | | | | at 15.5% |
| Rating Date | | | | | | Oct-10-2012 |
| Rating Type | | | | | | yield |
| Rating Unit | | | | | | bu/ac |
| ARM Action Codes | | | | | | TY1 |
| Number of Decimals | | | | | | 0 |
| Trt No. | Treatment Name | Rate | Other Rate | Other Rate | Growth Stage | Appl Code |
| | | Rate Unit | | | | |
| 1 | CHECK | | | | A | 100 a |
| 2 | UREA 46-0-0 | 180 lb ai/a | 390 lb/a | | PPI A | 129 a |
| 3 | MAP 11-52-0 | 80 lb ai/a | 154 lb/a | | PPI A | 110 a |
| | UREA 46-0-0 | 163 lb ai/a | 354 lb/a | | PPI A | |
| 4 | MAP 11-52-0 | 80 lb ai/a | 154 lb/a | | PPI A | 121 a |
| | ZnSO4 | 5 lb ai/a | 13.9 lb/a | | PPI A | |
| | AS (%S) | 20 lb ai/a | 83 lb/a | | PPI A | |
| | UREA 46-0-0 | 146 lb ai/a | 317 lb/a | | PPI A | |
| 5 | MAP 11-52-0 | 80 lb ai/a | 154 lb/a | | PPI A | 129 a |
| | ZnSO4 | 2 lb ai/a | 5.56 lb/a | | PPI A | |
| | AS (%S) | 20 lb ai/a | 83 lb/a | | PPI A | |
| | UREA 46-0-0 | 146 lb ai/a | 317 lb/a | | PPI A | |
| 6 | MES10 | 80 lb ai/a | 200 lb/a | | PPI A | 128 a |
| | UREA 46-0-0 | 156 lb ai/a | 340 lb/a | | PPI A | |
| 7 | MESZ | 80 lb ai/a | 200 lb/a | | PPI A | 150 a |
| | UREA 46-0-0 | 156 lb ai/a | 340 lb/a | | PPI A | |
| 8 | MESB | 80 lb ai/a | 174 lb/a | | PPI A | 115 a |
| | UREA 46-0-0 | 163 lb ai/a | 354 lb/a | | PPI A | |
| LSD (P=.05) | | | | | | 36.6 |
| Standard Deviation | | | | | | 24.9 |
| CV | | | | | | 20.29 |
| Bartlett's X2 | | | | | | 3.601 |
| P(Bartlett's X2) | | | | | | 0.824 |
| Skewness | | | | | | 0.1714 |
| Kurtosis | | | | | | -0.2418 |

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = $3.889286 * [C12] * (100 - [C10]) / 84.5$

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.