### MSU Soil Fertility Research Program

**THE EFFECT OF SOILBUILDER AF WHEN APPLIED WITH UAN SOLUTION ON CORN NITROGEN UPTAKE AND YIELD, 2012**

- **Trial ID:** CEL13-12
- **Location:** CAMPUS
- **Trial Year:**
- **Protocol ID:** CEL13-12
- **Investigator:** Kurt Steinke
- **Study Director:**
- **Project ID:** ADV SOL 10 REP

<table>
<thead>
<tr>
<th>Crop Code</th>
<th>ZEAMX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop Name</td>
<td>Corn</td>
</tr>
<tr>
<td>Crop Variety</td>
<td>DKC 48-12 RIB</td>
</tr>
<tr>
<td>Description</td>
<td>at 15.5%</td>
</tr>
<tr>
<td>Rating Date</td>
<td>Oct-8-2012</td>
</tr>
<tr>
<td>Rating Type</td>
<td>yield</td>
</tr>
<tr>
<td>Rating Unit</td>
<td>bu/ac</td>
</tr>
</tbody>
</table>

### Crop Code ZEAMX, BCOR, Zea mays. = US

| Rating Unit | bu/ac = bushels per acre |
| ARM Action Codes | TY1 = 3.889286*[3]*(100-{1})/84.5 |

### Crop Variety

- **DKC 48-12 RIB**

### Description

- at 15.5%

### Rating Date

- Oct-8-2012

### Rating Type

- yield

### Rating Unit

- bu/ac

### ARM Action Codes

- TY1

### Number of Decimals

- 0

<table>
<thead>
<tr>
<th>Trt No.</th>
<th>Treatment</th>
<th>Rate</th>
<th>Other Other</th>
<th>Growth Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SoilBuilder AF NO NITROGEN</td>
<td>116 b</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SoilBuilder AF 28 % NITROGEN 150 lb ai/a 50 gal/a</td>
<td>160 a</td>
<td>PPI A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SoilBuilder AF NO NITROGEN 2 qt/a 2 qt/a</td>
<td>122 b</td>
<td>PPI A</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SoilBuilder AF 28 % NITROGEN 150 lb ai/a 50 gal/a</td>
<td>149 a</td>
<td>PPI A</td>
<td></td>
</tr>
</tbody>
</table>

### LSD (P= 05)

- 16.2

### Standard Deviation

- 0.853

### Bartlett’s X2

- 0.853

### P(Bartlett’s X2)

- 0.787

### Skewness

- 0.0193

### Kurtosis

- -0.2108

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.