

REPORT NUMBER

17-121-0233

COMPLETED DATE
May 3, 2017
 RECEIVED DATE
May 1, 2017

ACCOUNT
39480



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TODAY'S DATE
May 03, 2017

**FARMERSEdge
 WESTERN PLAINS REGION
 4939 LULU COURT UNIT 16
 WICHITA KS 67216**

IDENTIFICATION
**DARAN RUDNICK
 TAPS RESEARCH
 421919**

COPY TO
39479

**FARMERSEdge
 REGIONAL OPERATIONS MANAGER
 2711 SOUTH LOOP DR STE 405
 AMES IA 50010**

SOIL ANALYSIS REPORT

| LAB NUMBER | SAMPLE IDENTIFICATION | ORGANIC MATTER L.O.I. percent RATE | NEUTRAL AMMONIUM ACETATE (EXCHANGEABLE) | | | | | | pH | | CATION EXCHANGE CAPACITY C.E.C. meq/100g | PERCENT BASE SATURATION (COMPUTED) | | | | | | | | |
|------------|-----------------------|--|---|--|---------------------|-----------|-----------|---------|--------|---------|--|------------------------------------|-----|------|------|-----|------|--|--|--|
| | | | PHOSPHORUS | | | POTASSIUM | MAGNESIUM | CALCIUM | SODIUM | SOIL pH | | BUFFER INDEX | % K | % Mg | % Ca | % H | % Na | | | |
| | | | P ₁ (WEAK BRAY) 1:7 | P ₂ (STRONG BRAY) 1:7 | OLSEN BICARBONATE P | K | Mg | Ca | Na | 1:1 | | | | | | | | | | |
| *313* | | | | | | | | | | | | | | | | | | | | |
| 46302 | 421919-2 | 1.4 VL | 27 H | 134 VH | | 428 VH | 305 VH | 2345 H | 36 | 7.6 | | 15.5 | 7.1 | 16.4 | 75.5 | 0.0 | 1.0 | | | |
| 46303 | 421919-2A | | | | | | | | | | | | | | | | | | | |
| 46304 | 421919-3 | 1.4 VL | 25 H | 95 VH | 12 M | 374 VH | 269 VH | 2649 H | 30 | 7.8 | | 16.6 | 5.8 | 13.5 | 79.9 | 0.0 | 0.8 | | | |
| 46305 | 421919-3A | | | | | | | | | | | | | | | | | | | |

| LAB NUMBER | NITRATE-N (FIA) | | | | | | | | | | SULFUR S ICAP | ZINC Zn DTPA | MANGANESE Mn DTPA | IRON Fe DTPA | COPPER Cu DTPA | BORON B SORB. DTPA | EXCESS LIME RATE | SOLUBLE SALTS 1:1 mmhos/cm RATE |
|------------|-----------------|-------|------------|-----------|-------|------------|-----------|-------|------------|-------------|---------------------|--------------------|-------------------------|--------------------|----------------------|--------------------------|------------------|---------------------------------------|
| | SURFACE | | | SUBSOIL 1 | | | SUBSOIL 2 | | | Total lbs/A | | | | | | | | |
| | ppm | lbs/A | depth (in) | ppm | lbs/A | depth (in) | ppm | lbs/A | depth (in) | | | | | | | | | |
| *313* | | | | | | | | | | | | | | | | | | |
| 46302 | 10 | 18 | 0-6 | | | | | | | 18 | 24 H | 2.1 M | 2 VL | 14 M | 0.6 L | 0.6 L | | 0.2 L |
| 46303 | 7 | 38 | 6-24 | | | | | | | 38 | 27 VH | | | | | | | |
| 46304 | 7 | 13 | 0-6 | | | | | | | 13 | 24 H | 1.5 M | 2 VL | 7 L | 0.4 L | 0.6 L | | 0.3 L |
| 46305 | 8 | 43 | 6-24 | | | | | | | 43 | 27 VH | | | | | | | |

REV. 12/03

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.
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AMES IA 50010**

ADDITIONAL SOIL ANALYSIS

| LAB NUMBER | SAMPLE IDENTIFICATION | CHLORIDE ppm |
|------------|-----------------------|--------------|
| 31346303 | 421919-2A | 4 |
| 31346305 | 421919-3A | 5 |

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