



40161 Highway 59 Yuma, CO 80759
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NACHURS

www.nachurs.com

2016 IRRIGATED CORN TRIALS

GRAHAM ELECTRIC PLANTING DATE: 4/22/2016

| | | |
|---|--|---------------------------------|
| FIELD: | E | HARVEST DATE: 10/10/2016 |
| POPULATION: | 34K | |
| BULK VARIETY: | G03A50 - 5122 | APPLICATION DATE |
| <u>DMI STRIP-TILL:</u> | (Analysis) 16.4 - 8.2 - 1.3 - 4.7 s applied 10 gal./ac. @ 4" and 13 gal./ac. @ 10" | 3/16/2016 |
| 2x2 STARTER FERTILIZER: | (Analysis) 15.7 - 8.9 - 2.6 s - .047 Zn @ 18 gal./ac. | 4/22/2016 |
| <u>THROUGH REINKE SPRINKLER:</u> | 28 - 0 - 0 - 5 @ 14 gal./ac. | 6/12/2016 |
| | 28 - 0 - 0 - 5 @ 14 gal./ac. | 6/30/2016 |
| | 28 - 0 - 0 - 5 @ 10 gal./ac. | 7/8/2016 |
| | 28 - 0 - 0 - 5 @ 14 gal./ac. | 7/21/2016 |
| APPLIED WATER: | 8 inches | |
| <u>RAINFALL:</u> | 11.95 inches | |
| GROUND SPRAY APPLICATIONS: | ACURON @ 2.5 qt. / ac. + ROUNDUP WEATHERMAX @ 32 oz. / ac. + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal. STATUS @ 7 oz./ac. | 4/24/2016 |
| | + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal. | 6/15/2016 |

| PROTOCOL | MOISTURE | AVERAGE BUSHELS PER ACRE |
|---|-----------------------------|---------------------------------|
| | 13.1 | 248.4 |
| <u>RHYZO-LINK 3-10-13</u> APPLIED IN-FURROW @ 3.5 gal./ac. WATER APPLIED 2x2 @ 18 gal./ac. | 12.8 | 220.9 |
| | 13.5 | 231.2 |
| | <u>TRIAL AVERAGE</u> | |
| | 13.1 | 248.4 |

| PROTOCOL | MOISTURE | AVERAGE BUSHEL PER ACRE |
|--|-----------------------------|------------------------------------|
| <u>RHYZO-LINK 9-15-3</u> APPLIED IN-FURROW @ 5.0 gal./ac. WATER APPLIED 2x2 @ 18 gal./ac. | 13.7 | 228.7 |
| | 12.8 | 226.6 |
| | 13.4 | 226.4 |
| | <i>TRIAL AVERAGE</i> | |
| | 13.7 | 228.7 |
| <u>RHYZO-LINK 9-15-3</u> @ 4.5 gal./ac. <u>NACHURS K-FUEL</u> @ 0.5 gal./ac. APPLIED IN-FURROW @ 5 gal./ac. WATER APPLIED 2x2 @ 18 gal./ac. | 13.6 | 240.1 |
| | 13.0 | 213.6 |
| | 13.4 | 222.8 |
| | <i>TRIAL AVERAGE</i> | |
| | 13.6 | 240.1 |
| <u>NACHURS IMPULSE</u> @ 5.0 gal./ac. APPLIED IN-FURROW WATER APPLIED 2x2 @ 18 gal./ac. | 13.1 | 220.5 |
| | 13.2 | 226.5 |
| | 12.7 | 219.9 |
| | <i>TRIAL AVERAGE</i> | |
| | 13.1 | 220.5 |

| PROTOCOL | MOISTURE | AVERAGE BUSHELLS PER ACRE |
|--|-----------------------------|----------------------------------|
| <u>NACHURS IMPULSE</u> @ 4.0 gal./ac. + <u>RHYZO-LINK 0-0-15-5s</u> @ 1 gal./ac. APPLIED IN-FURROW @ 5 gal./ac. WATER APPLIED 2x2 @ 18 gal./ac. | 13.1 | 228.5 |
| | 13.3 | 234.9 |
| | 13.4 | 227.8 |
| | <i>TRIAL AVERAGE</i> | |
| | 13.1 | 228.5 |
| <u>NACHURS IMPULSE</u> @ 3.0 gal./ac. + <u>RHYZO-LINK 3-10-13</u> @ 2 gal./ac. APPLIED IN-FURROW @ 5 gal./ac. WATER APPLIED 2x2 @ 18 gal./ac. | 12.9 | 233.3 |
| | 13.4 | 230.6 |
| | 12.6 | 209.0 |
| | <i>TRIAL AVERAGE</i> | |
| | 12.9 | 233.3 |
| <u>NACHURS IMPULSE</u> @ 5.0 gal./ac. APPLIED IN-FURROW WATER APPLIED 2x2 @ 18 gal./ac. <u>NACHURS FINISH LINE</u> @ 1 qt./ac. APPLIED 6/8/2016 | 13.2 | 235.9 |
| | 13.3 | 224.3 |
| | 12.8 | 214.0 |
| | <i>TRIAL AVERAGE</i> | |
| | 13.2 | 235.9 |

| PROTOCOL | MOISTURE | AVERAGE BUSHEL PER ACRE |
|--|----------------------|------------------------------------|
| <u>NACHURS IMPULSE</u> @ 5.0 gal./ac. APPLIED IN-FURROW WATER APPLIED 2x2 @ 18 gal./ac. <u>NACHURS FINISH LINE</u> @ 1 qt./ac. + APPLIED 6/8/2016 <u>NACHURS FB21</u> @ 1 qt./ac. APPLIED 7/11/2016 | 13.2 | 226.3 |
| | 13.3 | 233.5 |
| | 12.9 | 214.8 |
| | TRIAL AVERAGE | |
| | 13.2 | 226.3 |
| CONTROL STANDARD IRF 2X2 | 13.3 | 219.2 |
| | 12.8 | 211.8 |
| | 13.0 | 211.4 |
| | TRIAL AVERAGE | |
| | 13.3 | 219.2 |

Weather, daytime temperatures and other factors affect data results, as in any year.

The Irrigation Research Foundation strives to record and control these factors where possible.

Not all of these factors are measurable or recognized.

[For weather information please go to www.coagmet.com](http://www.coagmet.com), monthly summaries, select the month, year and the Yuma station.