

IRRIGATED CORN TRIALS

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| FIELD: | LAT CENTER | FARMREIGN PRECISION PLANTER PLANTING DATE: 5/10/2018 |
| POPULATION: | 34K | HARVEST DATE: 10/21/2018 |
| VARIETY: | DKC 60-67 | |
| PREVIOUS CROP: | Dry Edible Beans | |
| DMI STRIP-TILL: | (Analysis) 4 - 8 - 1 - 4.6s applied at 10 gal./A @ 4" and 13 gal./A @ 10" | APPLICATION DATE |
| 2x2 STARTER FERTILIZER: | (Analysis) 16 - 9 - 3 - 2.6s - .1zn applied at 18 gal./A. | 3/28/2018 |
| THROUGH REINKE SPRINKLER: | 28 - 0 - 0 - 5 @ 10 gal./A | 5/7/2018 |
| | 28 - 0 - 0 - 5 @ 10 gal./A | 6/4/2018 |
| | 28 - 0 - 0 - 5 @ 10 gal./A | 7/1/2018 |
| | 28 - 0 - 0 - 5 @ 10 gal./A | 7/8/2018 |
| | 28 - 0 - 0 - 5 @ 10 gal./A | 7/18/2018 |
| | 28 - 0 - 0 - 5 @ 5 gal./A | 7/22/2018 |
| RAINFALL: | 12.32 inches | APPLIED WATER: 11.5 inches |
| RAINFALL by MONTH: | May - 2.33", June - 5.91", July - .63", August - 1.89", September - .47", October - 1.09" | |
| GROUND SPRAY APPLICATIONS: | ACURON @ 1.5 qt./A + ROUNDUP POWERMAX @ 32 oz./A + AMS @ 1 qt./100 gal. + NIS @ 1 qt./100 gal. | 5/9/2018 |
| | HALEX GT @ 2.6 pt./A + ROUNDUP POWERMAX @ 32 oz./A + AMS @ 1 qt./100 gal. + NIS @ 1 qt./100 gal. | 6/21/2018 |
| SPECIAL SEASONAL NOTES: | HAIL EVENTS: June 6th - baseball sized hail with 3.19" of rainfall and 60 mph wind gusts resulting in significant crop injury, and loss of plant stand. | |

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, monthly summaries, select the month, year and the Yuma station.

| PROTOCOL | | MOISTURE | BUSHEL PER ACRE | MOISTURE | AVERAGE BUSHEL PER ACRE |
|--|-------|----------|-----------------|----------|-------------------------|
| STREAM BAR APPLIED BETWEEN THE ROWS PGPR @ .5% volume (118oz/ton) + 32% UAN @ 20 gal./ac. APPLIED 6/13/2018 | REP 1 | 16.8 | 259.7 | 16.1 | 250.7 |
| | REP 2 | 15.2 | 251.4 | | |
| | REP 3 | 16.1 | 252.5 | | |
| | REP 4 | 16.7 | 254.1 | | |
| | REP 5 | 15.5 | 249.5 | | |
| | REP 6 | 15.9 | 252.9 | | |
| | REP 7 | 16.6 | 240.1 | | |
| | REP 8 | 16.0 | 245.1 | | |
| STREAM BAR APPLIED BETWEEN THE ROWS PGPR @ .5% volume (118oz/ton) + 32% UAN @ 17 gal./ac. (15% reduction) APPLIED 6/13/2018 | REP 1 | 17.1 | 263.1 | 16.9 | 259.3 |
| | REP 2 | 15.8 | 250.7 | | |
| | REP 3 | 18.1 | 272.9 | | |
| | REP 4 | 18.1 | 274.9 | | |
| | REP 5 | 16.8 | 255.1 | | |
| | REP 6 | 17.1 | 264.8 | | |
| | REP 7 | 16.3 | 245.7 | | |
| | REP 8 | 16.0 | 246.7 | | |
| STREAM BAR APPLIED BETWEEN THE ROWS GROWERS STANDARD 32% UAN @ 20 gal./ac. APPLIED 6/13/2018 | REP 1 | 17.1 | 257.7 | 16.0 | 247.9 |
| | REP 2 | 15.7 | 247.2 | | |
| | REP 3 | 15.7 | 245.3 | | |
| | REP 4 | 17.4 | 254.5 | | |
| | REP 5 | 15.7 | 255.1 | | |
| | REP 6 | 15.3 | 245.2 | | |
| | REP 7 | 15.3 | 241.6 | | |
| | REP 8 | 15.7 | 236.8 | | |