

2016 IRRIGATED GRAIN SORGHUM TRIALS

GRAHAM ELECTRIC PLANTING DATE: 6/1/2016

FIELD:	A - NE 1/4	HARVEST DATE: 10/03/2016
VARIETY:	DKS 28 - 05	
POPULATION:	140K	
AVERAGE TEST WEIGHT:	59.7	APPLICATION DATE
2x2 STARTER FERTILIZER:	(Analysis) 15.7 - 8.9 - 2.6 s - .047 Zn @ 12.5 gal./ac.	6/1/2016
<u>THROUGH REINKE SPRINKLER:</u>	28-0-0-5 @ 5 gal./ac.	6/30/2016
	28-0-0-5 @ 10 gal./ac.	7/5/2016
	QUILT XCEL @ 10.5 oz./ac.	7/21/2016
	28-0-0-5 @ 6 gal./ac.	7/22/2016
APPLIED WATER:	7.7 inches	
<u>RAINFALL:</u>	9.24 inches	(June - 4.2 inches, July - 3.22 inches, August - 1.38 inches)
GROUND SPRAY APPLICATIONS:	ROUNDUP WEATHERMAX @ 32 oz. / ac. + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal.	5/23/2016
	DEGREE XTRA @ 2.9 qt. / ac. + ROUNDUP WEATHERMAX @ 32 oz. / ac. + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal.	6/5/2016

PLANTING PROTOCOL	MOISTURE	AVERAGE BUSHEL PER ACRE	WITH PH 7.8 +	
			MOISTURE	AVERAGE BUSHEL PER ACRE
5 GALLON PER ACRE IN-FURROW APPLICATIONS				
<u>WC139 @ 3 gal./ac.</u> mixed with WATER applied IN-FURROW @ 5 gal./ac. + STANDARD IRF 2 x 2	13.8	170.9	12.8	97.5
<u>LOCAL P @ 3 gal./ac. +</u> <u>WC216 @ 64 oz./ac.</u> mixed with WATER applied IN-FURROW @ 5 gal./ac. + STANDARD IRF 2 x 2	13.9	176.3	9.2	100.5

PLANTING PROTOCOL	MOISTURE	AVERAGE BUSHEL PER ACRE	WITH PH 7.8 +	
			MOISTURE	AVERAGE BUSHEL PER ACRE
5 GALLON PER ACRE IN-FURROW APPLICATIONS				
<u>LOCAL P @ 3 gal./ac.</u> mixed with WATER applied IN-FURROW @ 5 gal./ac. + STANDARD IRF 2 x 2	13.8	174.5	14.0	101.0
CONTROL WATER applied IN-FURROW @ 5 gal./ac. + STANDARD IRF 2 x 2	13.9	167.7	15.4	96.4
6 GALLON PER ACRE IN-FURROW APPLICATIONS				
<u>WC096 w 1.33 qt./ac.</u> mixed with WATER applied IN-FURROW @ 6 gal./ac. + STANDARD IRF 2 x 2	14.3	146.6	15.3	74.1
<u>WC096 @ 4 gt./ac.</u> mixed with WATER applied IN-FURROW @ 6 gal./ac. + STANDARD IRF 2 x 2	14.6	143.7	14.9	78.8
CONTROL WATER applied IN-FURROW @ 6 gal./ac. + STANDARD IRF 2 x 2	17.2	137.0	17.3	71.1

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.