



Irrigation
Research
Foundation
40161 Highway 59 Yuma, CO 80759
www.irf-info.com

ROYAL-GROW
AND
NUTRIENT MANAGEMENT SPECIALIST

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
IN-FURROW FERTILIZER	PRO-GERMINATOR 9 - 24 - 3 @ 4 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	FOLIAR PROTOCOL	MOISTURE	AVERAGE BUSHELS PER ACRE	WITH PH 7.8 +	
				MOISTURE	AVERAGE BUSHELS PER ACRE
E-MAX @ 12.8 oz./ac + SWEETENER @ 1 lb./ac. + STANDARD IRF IN-FURROW @ 4 gal./ac.	NONE	13.9	173.9	10.3	95.7
E-MAX @ 12.8 oz./ac + COLD PRESSED CANE SUGAR @ 1 lb./ac. + STANDARD IRF IN-FURROW @ 4 gal./ac.	NONE	13.9	168.5	12.2	95.2

PLANTING PROTOCOL	FOLIAR PROTOCOL	MOISTURE	AVERAGE BUSHEL PER ACRE	WITH PH 7.8 +	
				MOISTURE	AVERAGE BUSHEL PER ACRE
E-MAX @ 12.8 oz./ac + BUTTERMILK @ 1 gal./ac. + 24% HUMIC @ 1 gal./ac. + STANDARD IRF IN-FURROW @ 4 gal./ac.	NONE	14.6	164.1	12.3	85.2
E-MAX @ 12.8 oz./ac + SWEETENER @ 1 lb./ac. + 24% HUMIC @ 1 gal./ac. + STANDARD IRF IN-FURROW @ 4 gal./ac.	COLLOIDAL MINERALS @ 16 oz./ac. + E-MAX @ 12.8 oz./ac. + NITRO 32% @ 32 oz./ac. + SWEETENER @ 1 lb./ac. + CHI FULVIC @ .2 oz./ac. APPLIED 6/12/2016 & APPLIED 8/8/2016	14.5	144.6	13.6	79.0
OPTIFY-EXTEND @ 12 oz./ac. + SWEETENER @ 1 lb./ac. + 24% HUMIC @ 1 gal./ac. + STANDARD IRF IN-FURROW @ 4 gal./ac.	MICRO PACK @ 16 oz./ac. + E-MAX @ 12.8 oz./ac. + NITRO 32% @ 32 oz./ac. + SWEETENER @ 1 lb./ac. + BE FULVIC @ .2 oz./ac. APPLIED 6/12/2016 & APPLIED 8/8/2016	14.4	156.9	2.7	87.4
E-MAX @ 12.8 oz./ac + SWEETENER @ 1 lb./ac. + 24% HUMIC @ 1 gal./ac. + STANDARD IRF IN-FURROW @ 4 gal./ac.	E-MAX @ 12.8 oz./ac. + SWEETENER @ 1 lb./ac. + CHI FULVIC @ .2 oz./ac. APPLIED 6/12/2016 & APPLIED 8/8/2016	14.3	155.2	15.7	97.9
CONTROL STANDARD IRF IN-FURROW @ 4 gal./ac.	NONE	14.8	134.3	14.8	90.9

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.