

NUTRIENT MANAGEMENT SPECIALISTS



www.nutrientmanagementspecialists.com

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

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
<p><u>E-MAX @ 12.8 oz./ac +</u> <u>SWEETERN @ 1 lb./ac. +</u> STANDARD IRF IN-FURROW @ 4 gal./ac.</p>	NONE	13.9	173.9	10.3	95.7
<p><u>E-MAX @ 12.8 oz./ac +</u> <u>COLD PRESSED CANE SUGAR @ 1 lb./ac. +</u> STANDARD IRF IN-FURROW @ 4 gal./ac.</p>	NONE	13.9	168.5	12.2	95.2

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