

2016 IRRIGATED SUGAR BEET TRIALS

FIELD:	C - NE 1/4	GRAHAM ELECTRIC PLANTING DATE: <u>4/21/2016</u>
POPULATION:	49K	HARVEST DATE: 11/13/2016
VARIETY:	9173RR	
		APPLICATION DATE
SOIL DETOXIFIER:	<u>OVERHAUL @ 32 oz./ac.</u>	3/22/2016
DMI STRIP-TILL:	(Analysis) 16.4 - 8.2 - 1.3 - 4.7 s applied 10 gal./ac. @ 4" and 13 gal./ac. @ 10"	3/15/2016
IN-FURROW FERTILIZER:	PRO-GERMINATOR 9 - 24 - 3 @ 3 gal./ac.	4/21/2016
THROUGH REINKE SPRINKLER:	28 - 0 - 0 - 5 @ 5 gal./ac.	6/11/2016
	28 - 0 - 0 - 5 @ 10 gal./ac.	7/8/2016
	BLACK LABEL @ 1 gal./ac.	7/14/2016
	28 - 0 - 0 - 5 @ 5 gal./ac.	7/20/2016
	28 - 0 - 0 - 5 @ 5 gal./ac.	7/25/2016
APPLIED WATER:	13.75 inches	
RAINFALL:	11.95 inches	
GROUND SPRAY APPLICATIONS:	ROUNDUP WEATHERMAX @ 32 oz. / ac. + AMS @ 1 qt. / 100 gal. + NIS @ 1 qt. / 100 gal.	5/23/2016
	QUADRIIS @ 15.5 oz./ac.	6/6/2016
	FUSILADE @ 6 oz./ac. + ROUNDUP WEATHERMAX @ 32 oz./ac. + 10-34-0 @ 1 qt./ac. + NIS @ 1 qt./100 gal.	6/10/2016
	FUSILADE @ 6 oz./ac. + ROUNDUP WEATHERMAX @ 32 oz./ac. + SEQUENCE @ 2.5 pt./ac. + 10-34-0 @ 1 qt./ac. + NIS @ 1 qt./100 gal.	7/8/2016

PROTOCOL	STAND COUNTS						HARVEST RESULTS			
	AVERAGE POPULATION			PERCENTAGE OF EMERGENCE			TONS per ACRE	SUGAR %	POUNDS of SUGAR per ACRE	SLM
	5/7/2016	5/12/2016	5/19/2016	5/7/2016	5/12/2016	5/19/2016				
STANDARD IRF IN-FURROW + <u>FLASHGUARD @ 1 qt./ac.</u> APPLIED 5/30/2016	37,026	45,738	46,609	76%	93%	95%	31.83	18.25%	11,429	1.62%
STANDARD IRF IN-FURROW + <u>BEET NIK @ 1 gal./ac.</u> APPLIED 8/8/2016	30,492	38,768	41,382	62%	79%	84%	35.86	18.69%	13,200	1.54%
STANDARD IRF IN-FURROW + <u>3 - 18 - 18 @ 1.75 gal./ac.</u> APPLIED 8/8/2016	27,878	35,719	40,075	57%	73%	82%	35.45	18.35%	12,788	1.70%
STANDARD IRF IN-FURROW + <u>SMART BO MO @ 1 qt./ac.</u> APPLIED 8/8/2016	32,234	39,204	40,946	66%	80%	84%	35.39	17.42%	12,110	1.78%
CONTROL	32,670	41,818	44,431	67%	85%	91%	33.42	18.01%	11,833	1.69%

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.](http://www.coagmet.com)