

Sugar Beets

Kugler

www.kuglercompany.com

Irrigation Research Foundation -- Yuma, CO

Plot size: 4 rows

Planting Population: 49,000/acre

Planting date: 4/27/10

Harvest date: 10/2/10

Fertilizer

Strip-Till: 21-36-0 4" @ 10gal 10" @ 15 gal
Starter: 10-34-0 @ 12.5 gal/acre
Through Sprinkler: 28-0-0-5 6 gal.
 8 gal.
 10 gal.

Application Dates

4/5/10
 4/27/10
 6/9/10
 6/18/10
 7/12/10

Herbicide Treatments

Round-up @ 22oz
 AMS @ 17lb per 100 gal

5/30/10, 6/18/10

Aerial Application

Round-up weather max 32oz/acre
 Synurgize - .32oz./100 gal.
 Vector - .64 dry oz./acre
 Proline 480SC - 5.2 oz/acre

8/4/10

Application Data

Study #1 - ks 1515 applied at 2 gal/acre Foliar 6/2/10
 Study #2 - ks 1515 applied at 2 gal/acre w/ Micro Max at 2pts./acre Foliar 6/2/10
 Study #3 - ks1515 @ 4 gal./acre In-Furrow 4/27/10
 Study #4 - ks 1515 @ 4 gal./acre w/Micro Max @ 2pts./acre In-Furrow 4/27/10

Treatment	Average Pop	Average Pop	Average Pop	% of Emergence			Tons per Acre	Sugar %	Pounds of Sugar per acre	SLM
	<u>5/10/10</u>	<u>5/17/10</u>	<u>5/24/10</u>	1st	2nd	3rd				
#1	35719	40075	39204	0.728959	0.817857	0.800082	28.95	17.20%	9959	1.4012
#2	27878	30492	30492	0.568939	0.622286	0.622286	30.47	17.08%	10407	1.04852
#3	19295	35719	35719	0.393776	0.728959	0.728959	29.26	16.53%	9673	1.4117
#4	19166	33977	37462	0.391143	0.693408	0.764531	30.18	16.97%	10241	1.5918
control	28750	34848	33106	0.586735	0.711184	0.675633	28.45	16.64%	9469	1.6168

PLOT SUBJECT TO COOL TEMPERATURES

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.