

Sugar Beets

Stoller Inc.

www.stollerusa.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 - Bio-Forge @ 1 pt. in-Furrow 4/27/10
Study #2 - Bio-Forge @ 1 pt. in-Furrow/ side dress sto-01 @ 2 pts. 4/27/10
Study #3 - Bio-Forge @ 1 pt. in-Furrow/ side dress sto-01 @ 4 pts. 4/27/10
Study #4 - Bio-Forge @ 1 pt. in-Furrow/ side dress sto-01 @ 8pts. 4/27/10
Study #5 - Sto-13 @ .75lb/acre 9/8/10

Treatment	Average Pop	Average Pop	Average Pop	% of Emergence			Tons per Acre	Sugar %	Pounds of Sugar	SLM
	5/10/10	5/17/10	5/24/10	1st	2nd	3rd				
Stoller #1	19166	33106	39204	0.391143	0.675633	0.800082	26.95	17.06%	9193	1.5931
Stoller #2	21780	34848	38399	0.44449	0.711184	0.783653	27.92	16.92%	9448	1.6378
Stoller #3	30492	35719	37462	0.622286	0.728959	0.764531	26.84	16.01%	8594	1.683
Stoller #4	22651	33106	35719	0.462265	0.675633	0.728959	26.57	16.73%	8889	1.6325
Stoller #5	27394	40075	41818	0.559061	0.817857	0.853429	28.35	17.23%	9770	1.2212
control	29621	34848	39204	0.60451	0.711184	0.800082	27.79	15.83%	8797	1.852

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.