

# Sugar Beets

## Nachurs

[www.nachurs.com](http://www.nachurs.com)

### Irrigation Research Foundation -- Yuma, CO

Plot size: 4 rows Variety: Hillshog # 9024

Planting date: 4/29/11

Planting Population: 49,000

Harvest date: 10/7/11

#### Applied Water - 10.7"

<u>Fertilizer</u>		<u>Application Dates</u>
Humalfa @ 5 ton/acre		3/16/11
Starter Fertilizer: 10-34-0 @ 12.5 gal./acre		4/29/11
Strip-Till: 21-36-0 (Actual) = 8gal @ 4 " & 13 gal @ 10"		4/2/11
Through Sprinkler: 32-0-0	10 gal./acre	6/9/11
	7 gal./acre	6/24/11
	7 gal./acre	6/29/11

#### Herbicide Treatments

Touchdown @ 24oz./ acre		5/5/11
Touchdown @ 24oz./acre w/ Quadris @ 6 oz. AMS @ 17#'s /100 gal. water NIS@1qt./100 gal water		6/3/11
Sequence @ 2.5pts/acre AMS @ 17#'s/100gal. water Fusalade DX @ 24 oz/acre NIS@1qt./100 gal. water		6/16/11
Inspire XT @ 7 oz./acre Touchdown + Fusalade DX @ 24 oz./acre NIS@1qt./100 gal. water		7/8/11

#### Soil Detoxifier

Reclaim @ 1qt/acre		4/13/11
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#### Application Data

#1	No 10-34-0 2x2, 2 gal/acre 6-24-6 in furrow	4/29/11
#2	No 10-34-0 2x2, 2 gal/acre 6-24-6 + 1 qt Zn in furrow	4/29/11
#3	No 10-34-0 2x2, 2 gal/acre 6-24-6 in furrow + 2 gal/acre 3-18-18 foliar	4/29/11 6/10/11
#4	Full IRF program + 2 gal/acre 3-18-18 foliar	6/10/11
control - No 10-34-0 2x2		

## Harvest Results

Variety/ Co.	Average Pop	Average Pop	Average Pop	% of Emergence			Tons per Acre	Sugar %	Pounds of Sugar per acre	Sugar loss to molasses
	#1	#2	#3	1st	2nd	3rd				
#1	34848	40946	40946	71.12%	83.56%	83.56%	34.23	17.22%	11789	1.4065
#2	14810	36590	41818	30.23%	74.67%	85.34%	34.11	16.95%	11563	1.5747
control	27007	40075	38333	55.12%	81.79%	78.23%	35.54	15.84%	11259	1.5432
#3	13939	33977	40075	28.45%	69.34%	81.79%	34.49	17.78%	12265	1.3776
#4	27878	40075	43560	56.89%	81.79%	88.90%	36.68	16.96%	12442	1.3986

#### 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.