

# Sugar Beets

## Pro-Green Ag. LLC

[www.progreenag.org](http://www.progreenag.org)

### Irrigation Research Foundation -- Yuma, CO

Plot size: 4 rows Variety: Hillshog # 9024

Planting Population: 49,000

Planting date: 4/29/11

Harvest date: 10/7/11

#### Applied Water - 10.7"

#### Fertilizer

Humalfa @ 5 ton/acre

Starter Fertilizer: 10-34-0 @ 12.5 gal./acre

Strip-Till: 21-36-0 (Actual) = 8gal @ 4 " & 13 gal @ 10"

Through Sprinkler: 32-0-0

10 gal./acre

7 gal./acre

7 gal./acre

#### Application Dates

3/16/11

4/29/11

4/2/11

6/9/11

6/24/11

6/29/11

#### Herbicide Treatments

Touchdown @ 24oz./ acre

Touchdown @ 24oz./acre w/ Quadris @ 6 oz. AMS @ 17#'s /100 gal. water NIS@1qt./100 gal water

Sequence @ 2.5pts/acre AMS @ 17#'s/100gal. water Fusalade DX @ 24 oz/acre NIS@1qt./100 gal. water

Inspire XT @ 7 oz./acre Touchdown + Fusalade DX @ 24 oz./acre NIS@1qt./100 gal. water

5/5/11

6/3/11

6/16/11

7/8/11

#### Soil Detoxifier

Reclaim @ 1qt/acre

4/13/11

#### Application Data

#1 - C-4 @16 oz/acre Foliar Prior to canopy

#1 - C - 4 @ 16 oz./acre 13 days prior to harvest

#2 - F-14 @ 1gal/acre @ Prior to canopy

#2 - F-14 @ 1gal/acre 13 days before harvest

7/8/11

9/17/11

7/8/11

9/17/11

## Harvest Results

Treatment	Average Pop	Average Pop	Average Pop	% of Emergence			Tons per Acre	Sugar %	Pounds of Sugar per acre	Sugar loss to molasses
				1st	2nd	3rd				
#1	23522	34848	44431	48.00%	71.12%	90.68%	38.67	15.56%	12034	1.5576
#2	16553	39204	37462	33.78%	80.01%	76.45%	31.71	17.04%	10807	1.3650
control	20038	36590	38333	40.89%	74.67%	78.23%	31.29	15.94%	9975	1.5037

#### 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.