

# Sugar Beets

## Pro-Green Ag. LLC

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

### Irrigation Research Foundation -- Yuma, CO

Variety: Hilleshog: 9173RR Cruiser Max/ Tach 20  
 Planting Population: 45,000

Planting date: 4/23/12  
 Harvest date: 10/5/12

#### Fertilizer

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

Strip-till: Analysis = 19-13-0 Actual=48.3-31.8-0 applied @ 4"- 10gal and 10"- 13gal

Through Sprinkler: 32-0-0 4 gal.

7 gal.

10 gal.

Soil Detoxifier: Reclaim @ 1qt./acre

#### Application Dates

4/23/12

3/28/12

5/23 5/29/12

7/5/12

5/18 6/12/12

4/13/12

#### Applied Water

14.5"

#### Herbicide Treatments

Roundup @ 32oz. Assure II @ 9 oz. AMS @17 lbs per 100 gal. of water NIS @1qt./100 gal.of water

5/7 6/4/12

Roundup @ 32oz. Select @ 8oz. AMS @17 lbs per 100 gal. of water NIS @1qt./100 gal.of water

6/28 7/11/12

#### Fungicide/Insecticide

Quadris @ 15 oz./acre

6/19/12

Lanate @ 1pt./acre

7/20/12

Coragen @ 5 oz./acre

8/4 8/12/12

#### Application Data

#1 C-4 @ 24oz/ac @ prior canopy + C-4 @ 24oz/ac 13 days prior to harvest

7/3/12 9/24/12

#2 GRO @ 64oz/ac @ prior canopy + GRO @ 64oz/ac 13 days prior to harvest

7/3/12 9/24/12

#3 F-14 @ 1gal/ac @ prior canopy + C-4 @ 24oz/ac 13 days prior to harvest

7/3/12 9/24/12

#4 C-4 @ 24oz/ac @ 4 leaf , 8 leaf, prior to canopy, and 13 days prior to harvest

6/4 6/8 7/3 9/24/12

#5 F-14 @ 1gal/ac @ 4 leaf, 8 leaf, prior to canopy, and 13 days prior to harvest

6/4 6/8 7/3 9/24/12

#6 GRO @ 64oz/ac @ 4 leaf, 8 leaf, prior to canopy, and 13 days prior to harvest

6/4 6/8 7/3 9/24/12

#7 C-4 @ 32oz./ac @ 13 days prior to harvest

9/24/12

## 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 count 5/7	2nd count 5/14	3rd count 5/21				
Date Counted										
#1	30492	33977	31363	62.23%	69.34%	64.01%	31.70	18.12%	11353	1.18
#2	33106	36590	31363	67.56%	74.67%	64.01%	32.00	16.70%	11525	1.51
#3	30492	33977	29621	62.23%	69.34%	60.45%	33.10	16.80%	10961	1.40
#4	38333	41818	33977	78.23%	85.34%	69.34%	31.90	17.36%	11235	1.45
#5	31363	31363	29621	64.01%	64.01%	60.45%	30.80	17.62%	10698	1.43
#6	28750	35719	29621	58.67%	72.90%	60.45%	32.20	17.00%	10794	1.40
#7	33106	35719	33106	67.56%	72.90%	67.56%	32.40	17.02%	10870	1.42
Control	34848	33106	26136	71.12%	67.56%	53.34%	30.80	16.60%	10081	1.28

**PLOT SUBJECT TO HIGH TEMPERATURES AND HEAVY SPRING WINDS**

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.