

# Nachurs

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## Irrigation Research Foundation -- Yuma, CO

Variety: Hilleshog: 9173RR Cruiser Max/ Tach 20

Planting date: 4/23/12

Planting Population: 45,000

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 2 gal./ac **6-24-6** in-furrow applied with NO 2x2 fertilizer

4/23/12

#2 2 gal./ac **6-24-6** + 1 qt.ac. Zinc in-furrow applied with NO 2x2 fertilizer

4/23/12

#3 2 gal./ac **6-24-6** in-furrow applied with no 2x2 fertilizer + 2gal/ac. 3-18-18 foliar @ 20 leaf stage

4/23/12 7/3/12

#4 2x2 fertilizer program followed by 2gal/ac. of **3-18-18** foliar application @ 20 leaf stage

4/23/12 7/3/12

## Harvest Results

Study	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	33977	37462	34848	69.34%	76.45%	71.12%	33.60	17.26%	11787	1.39
#2	25265	26136	29621	51.56%	53.34%	60.45%	31.90	17.30%	10870	1.52
#3	33977	33106	29621	69.34%	67.56%	60.45%	31.00	17.16%	10479	1.50
#4	34848	37462	37462	71.12%	76.45%	76.45%	31.90	17.31%	10871	1.56
Control	31363	30492	31363	64.01%	62.23%	64.01%	32.20	16.43%	10422	1.50

### **PLOT SUBJECT TO DROUGHT 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.