

Sugar Beets

Centennial Ag.

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Irrigation Research Foundation -- Yuma, CO

Variety: Syngenta 9173
Planting Population: 45,000

Planting date: 4/30/13
Harvest date: 10/30/13

Fertilizer

Strip Till: 19-13-0 @ 4" 10gal & 10" 13 gal.
Starter: Actual 10-34-0 @ 12.5 gal./acre
Through Sprinkler: 32-0-0 @ 5 gal./acre
Soil Detoxifier: Reclaim @ 1qt./acre

Application Dates

4/28/13
4/4/13
6/21 7/3/13
4/28/13

Applied Water

14.02"

Herbicide Treatments

Fusilade @ 8 oz./acre Touchdown Total @ 24 oz./acre with NIS @ 1qt/100gal of water and AMS @ 17 lbs./per 100 gal. of water 6/10/13
7/31/13
Sequence @ 2.4pts./acre Fusilade @ 8oz./acre 7/2/13

Fungicide/Insecticide

Quadris @ 12 oz./acre 5/21/13

Protocols

Study #1 1qrt Flash Guard w/ 2nd application of Round-up 7/31/13
Study #2 1qrt Flash Guard w/ 2nd application of Round-up + 1qrt. Flash Guard w/3rd application of Round-up or @ Similar growth stage 7/31
8/4/13

Harvest Results

Treatment data	Average Pop	Average Pop	Average Pop	% of Emergence			Tons per Acre	Sugar %	Pounds of Sugar per acre	Sugar loss to molasses
				1st count 5/13	2nd count 5/20	3rd count 5/28				
Date Counted										
Study #1	26136	26136	33977	58%	58%	76%	29.00	14.21%	8051	2.05
Study #2	30492	26136	28750	68%	58%	64%	29.13	12.74%	7297	1.70
Control	13939	14810	21780	40%	42%	62%	24.17	14.52%	6890	1.85

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.