

Ag. Concepts Corp.

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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

Applications

#1 - 6 oz. AgZyme mixed w/ starter fertilizer applied in-furrow followed by 12.8 oz. AgZyme thru streambar prior to canopy

#2 - 9 oz. AgZyme mixed w/ starter fertilizer applied in-furrow followed by 12.8 oz. AgZyme thru streambar prior to canopy

#3 - 1 gal. Jumpstart mixed w/starter fertilizer applied in-furrow

#4 - 1.5 gal. Jumpstart mixed w/starter fertilizer applied in-furrow

#5 - 12.8 oz. AgZyme mixed w/starter fertilizer applied in-furrow

#6 - 19.2 oz. AgZyme mixed w/starter fertilizer applied in-furrow

4/29/11

7/8/11

4/29/11

7/8/11

4/29/11

4/29/11

4/29/11

4/29/11

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	2nd	3rd				
#1	3485	20909	42689	7.11%	42.67%	87.12%	31.42	16.18%	10168	1.3592
#2	6970	21780	40075	14.22%	44.45%	81.79%	27.34	16.44%	8989	1.3552
#3	9583	26136	33977	19.56%	53.34%	69.34%	30.30	16.60%	10060	1.3986
control	11326	30492	34848	23.11%	62.23%	71.12%	22.96	17.14%	7871	1.4341
#4	9583	33106	38333	19.56%	67.56%	78.23%	28.70	15.86%	9104	1.5064
#5	10454	23522	40946	21.34%	48.00%	83.56%	27.94	15.86%	8863	1.5550
#6	9583	33977	34848	19.56%	69.34%	71.12%	20.71	17.04%	7058	1.4209

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.