

Sugar Beets

Agro-Culture Liquid Fertilizer

www.agroliquid.com

Irrigation Research Foundation -- Yuma, CO

Plot size: 4 rows Variety: Hillshog # 9024

Planting date: 4/29/11

Planting Population: 49,000

Harvest date: 10/7/11

Applied Water - 10.7"

Fertilizer

Application Dates

Humalfa @ 5 ton/acre		3/16/11
Starter Fertilizer: 10-34-0 @ 12.5 gal./acre		4/29/11
Strip-Till: 21-36-0 (Actual) = 8gal @ 4 " & 13 gal @ 10"		4/2/11
Through Sprinkler: 32-0-0	10 gal./acre	6/9/11
	7 gal./acre	6/24/11
	7 gal./acre	6/29/11

Herbicide Treatments

Touchdown @ 24oz./ acre		5/5/11
Touchdown @ 24oz./acre w/ Quadris @ 6 oz. AMS @ 17#'s/100 gal. water NIS@1qt./100 gal water		6/3/11
Sequence @ 2.5pts/acre AMS @ 17#'s/100gal. water Fuselade DX @ 24 oz/acre NIS@1qt./100 gal. water		6/16/11
Inspire XT @ 7 oz./acre Touchdown + Fusalade DX @ 24 oz./acre NIS@1qt./100 gal. water		7/8/11

Soil Detoxifier

Reclaim @ 1qt/acre		4/13/11
--------------------	--	---------

Protocol Treatments

1st treatment

2nd treatment

3rd treatment

#	Date	1st treatment	2nd treatment	3rd treatment
#1	4/2/11	Standard strip-till and starter		
#2	4/2/11	Standard strip-till and starter		FERTI-RAIN 1gal/ac with 2nd app of round-up and 1gal/ac
#3	4/5-4/29	Strip-till program: High NRG-N @ 5 gal/acre + Pro-Germinator @ 3.5 gal/acre + AaccessS @ 4 gal/acre mixed with 12.5 gal/H2O @ 25gal/acre	2x2 program: High NRG-N @ 2 gal/acre + Pro-Germinator @ 5 gal/acre + Micro 500 @ 0.5 gal/acre mixed with 1.5 gal/acre @ 9 gal/acre	
#4	4/5-4/29 7/8/11 7/20/11	Strip-till program: High NRG-N @ 5 gal/acre + Pro-Germinator @ 3.5 gal/acre + AaccessS @ 4 gal/acre mixed with 12.5 gal/H2O @ 25gal/acre	2x2 program: High NRG-N @ 2 gal/acre + Pro-Germinator @ 5 gal/acre + Micro 500 @ 0.5 gal/acre mixed with 1.5 gal/acre @ 9 gal/acre	FERTI-RAIN 1gal/ac with 2nd app of round-up and 1gal/ac @canopy

Harvest Results

Trials	Average Pop	Average Pop	Average Pop	% of Emergence			Tons per Acre	Sugar %	Pounds of Sugar per acre	Sugar loss to molasses
				#1	#2	#3				
ACLF #1	17424	33977	40946	35.56%	69.34%	83.56%	34.91	16.14%	11269	1.6404
ACLF #2	20038	34848	40075	40.89%	71.12%	81.79%	33.67	15.36%	10343	1.7350
ACLF #3	5227	17424	37462	10.67%	35.56%	76.45%	39.24	16.62%	13043	1.5884
ACLF #4	31363	32234	40946	64.01%	65.78%	83.56%	35.73	16.12%	11519	1.6010
Control	25265	37462	42689	51.56%	76.45%	87.12%	34.56	16.06%	11101	1.4906

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.