



UNIVERSITY OF IDAHO

EASTERN IDAHO

EBB4-Su-17

TABLE 1. COSTS AND RETURNS PER ACRE TO PRODUCE ROUNDUP READY SUGARBEETS

	Quantity/ Acre	Unit	Price or Cost/Unit	Value or Cost/Acre	Your Cost
GROSS RETURNS					
Sugarbeets	41.00	ton	39.50	1,619.50	
TOTAL GROSS RETURNS	41.00	ton		1,619.50	
OPERATING COSTS					
Seed:				147.12	
Roundup Ready Beet Seed: Raw	0.50	lb	156.00	78.00	
Roundup Technology Fee - SB	0.48		144.00	69.12	
Fertilizer:				128.40	
Dry Nitrogen - Pre-plant	20.00	lb	0.40	8.00	
Dry P2O5	100.00	lb	0.38	38.00	
K2O	40.00	lb	0.31	12.40	
Micronutrients - Sugarbeets	1.00	acre	10.00	10.00	
Liquid Nitrogen	120.00	lb	0.50	60.00	
Pesticides/Chemicals:				37.48	
Poncho Beta Seed Treatment	0.48	unit	48.50	23.28	
Roundup Power Max 4.5	54.00	fl oz	0.18	9.72	
Ammonium Sulfate	2.40	lb	0.70	1.68	
Tilt	4.00	fl oz	0.70	2.80	
Custom:				23.75	
Custom Fertilize: 400 - 800 lbs	1.00	acre	7.75	7.75	
Consultants/Soil Testing - SB	1.00	acre	16.00	16.00	
Irrigation:				124.45	
Irrigation Power - Center Pivot	35.00	ac-in	1.94	67.90	
Irrigation Water Assessment - S	1.00	acre	38.00	38.00	
Irrigation Repairs - CP	35.00	ac-in	0.53	18.55	
Other:				153.00	
Crop Insurance	1.00	acre	45.00	45.00	
Sugarbeet Hauling Charge	36.00	ton	3.00	108.00	
Labor				158.49	
Equipment Operator Labor	3.71	hrs	19.70	73.11	
Truck Driver Labor	2.64	hrs	15.35	40.52	
Irrigation Labor - CP	1.40	hrs	19.70	27.58	
General Farm Labor	0.55	hrs	11.35	6.24	
Irrigation Labor: Chem-Fert	0.56	hrs	19.70	11.03	
Machinery				113.89	
Fuel-Gas	3.36	gal	2.40	8.05	
Fuel-Diesel	17.84	gal	2.15	38.35	
Fuel-Road Diesel	5.13	gal	2.70	13.86	
Lube				9.04	
Machinery Repair				44.59	

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TABLE 1. CONTINUED

	Quantity/ Acre	Unit	Price or Cost/Unit	Value or Cost/Acre	Your Cost
CASH OVERHEAD COSTS					
Co-op Stock				35.00	
General Overhead				24.00	
Land Rent				350.00	
Management Fee				80.00	
Property Taxes				0.00	
Property Insurance				5.03	
Investment Repairs				0.00	
TOTAL CASH OVERHEAD COSTS/ACRE				494.03	
TOTAL CASH OVERHEAD COSTS/TON				12.05	
TOTAL CASH COSTS/ACRE				1,405.97	
TOTAL CASH COSTS/TON				34.29	
NET RETURNS ABOVE CASH COSTS				213.53	
NON-CASH OVERHEAD COSTS (Capital Recovery)					
Equipment				172.52	
TOTAL NON-CASH OVERHEAD COSTS/ACRE				172.52	
TOTAL NON-CASH OVERHEAD COSTS/TON				4.21	
TOTAL COST/ACRE				1,578.49	
TOTAL COST/TON				38.50	
NET RETURNS ABOVE TOTAL COST				40.51	

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TABLE 2. COSTS PER ACRE TO PRODUCE ROUNDUP READY SUGARBEETS

Operation	Operation	Cash and Labor Costs per Acre					Total Cost	Your Cost
	Time (Hrs/A)	Labor Cost	Fuel	Lube &Repairs	Material Cost	Custom/ Rent		
Preharvest:								
Irrigation	0.00	27.58	0.00	0.00	67.90	0.00	95.48	
Applying Fertilizer	0.00	0.00	0.00	0.00	68.40	7.75	76.15	
Tillage	0.41	9.61	10.60	8.38	0.00	0.00	28.59	
Crop Insurance	0.00	0.00	0.00	0.00	45.00	0.00	45.00	
Irrigation Water Assessment	0.00	0.00	0.00	0.00	38.00	0.00	38.00	
Irrigation Repairs	0.00	0.00	0.00	0.00	18.55	0.00	18.55	
Planting	0.19	6.82	3.59	5.01	170.40	0.00	185.82	

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TABLE 2. CONTINUED

Operation	Operation	Cash and Labor Costs per Acre					Total Cost	Your Cost
	Time (Hrs/A)	Labor Cost	Fuel	Lube &Repairs	Material Cost	Custom/ Rent		
CASH OVERHEAD:								
Co-op Stock							35.00	
General Overhead							24.00	
Land Rent							350.00	
Management Fee							80.00	
Property Taxes							0.00	
Property Insurance							5.03	
Investment Repairs							0.00	

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TABLE 3. MONTHLY COSTS PER ACRE TO PRODUCE ROUNDUP READY SUGARBEETS

	SEP 14	OCT 14	NOV 14	DEC 14	JAN 15	FEB 15	MAR 15	APR 15	MAY 15	JUN 15	JUL 15	AUG 15	SEP 15	OCT 15	Total
Preharvest:															
Irrigation	5.46							2.73	10.91	16.37	21.82	24.55	13.64		95.48
Applying Fertilizer	76.15														76.15
Tillage	14.29							14.30							28.59
Crop Insurance								45.00							45.00
Irrigation Water Assessment								38.00							38.00
Irrigation Repairs								18.55							18.55
Planting								185.82							185.82
Applying Herbicides									6.73	8.53					15.27
Consultant										16.00					16.00
Chemigation-Fertigation										34.73	39.10				73.83
Basin Tillage/Cultivate											10.63				10.63
Pickup Use	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	34.91
4-Wheeler Use	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	2.48
Service Truck Use															0.00
Fuel Truck Use															0.00
TOTAL PREHARVEST COSTS	98.57	2.67	2.67	2.67	2.67	2.67	2.67	307.07	20.32	78.30	74.23	27.22	16.31	2.67	640.71
Harvest:															
Top Beets														26.28	26.28
Lift Beets														33.71	33.71
Crop Hauling														76.30	76.30
Hauling Assessment														108.00	108.00
TOTAL HARVEST COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	244.29	244.29
Interest on Operating Capital @6.25%	0.51	0.53	0.54	0.56	0.57	0.58	0.60	2.20	2.30	2.71	3.10	3.24	3.32	4.61	25.36
TOTAL OPERATING COSTS/ACRE	99.08	3.20	3.21	3.23	3.24	3.25	3.27	309.26	22.62	81.01	77.33	30.46	19.63	251.57	910.37
CASH OVERHEAD															
Co-op Stock								35.00							35.00
General O	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	24.00	
Land Rent							350.00								350.00
Management Fee	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	5.71	80.00
Property Taxes															0.00
Property Insurance								5.03							5.03
Investment Repairs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL CASH OVERHEAD COSTS	7.43	7.43	7.43	7.43	7.43	7.43	357.43	47.46	7.43	7.43	7.43	7.43	7.43	7.43	494.03
TOTAL CASH COSTS/ACRE	106.51	10.63	10.64	10.65	10.67	10.68	360.70	356.72	30.05	88.44	84.75	37.89	27.06	259.00	1,404.39

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TABLE 6. RANGING ANALYSIS CONTINUED

Net Return Per Acre Above Total Costs For Roundup Ready Sugarbeets

PRICE (\$/ton)	YIELD (ton/acre)						
Sugarbeets	33.00	34.00	35.00	36.00	37.00	38.00	39.00
40.00	-247.61	-211.17	-174.74	-136.92	-101.87	-65.44	-29.00
41.00	-214.61	-177.17	-139.74	-100.92	-64.87	-27.44	10.00
42.00	-181.61	-143.17	-104.74	-64.92	-27.87	10.56	49.00
43.00	-148.61	-109.17	-69.74	-28.92	9.13	48.56	88.00
44.00	-115.61	-75.17	-34.74	7.08	46.13	86.56	127.00
45.00	-82.61	-41.17	0.26	43.08	83.13	124.56	166.00
46.00	-49.61	-7.17	35.26	79.08	120.13	162.56	205.00