

Table 12. 2013 Estimated Production Costs and Returns - Irrigated Sugar Beets in South Platte Valley.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
SUGARBEETS	TON	36.00	34.00	1224.00		
TOTAL RECEIPTS				1224.00	36.00	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	86.30	1.00	86.30	2.54	
FERTILIZER	DOLS	114.07	1.00	114.07	3.36	
HERBICIDE (APPLIED)	DOLS	97.00	1.00	97.00	2.85	
INSECTICIDE	DOLS	7.52	1.00	7.52	0.22	
FUNGICIDE	DOLS	62.13	1.00	62.13	1.83	
IRRIGATION ENERGY	DOLS	50.62	1.00	50.62	1.49	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.30	
CROP INSURANCE	DOLS	65.00	1.00	65.00	1.91	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.06	
CUSTOM AERIAL SPRAY	DOLS	8.00	2.00	16.00	0.47	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.24	
HAND LABOR	DOLS	41.69	2.00	83.38	2.45	
FUEL	DOLS			29.85	0.88	
REPAIR & MAINTENANCE	DOLS			14.46	0.43	
LABOR	DOLS			10.96	0.32	
INTEREST EXPENSE ²	DOLS			25.39	0.75	
RETAINED REVENUE & DUES	DOLS	50.48	1.00	50.48	1.48	
Total Preharvest	DOLS			801.40	23.57	
Operating Harvest						
FUEL	DOLS			27.00	0.79	
REPAIR & MAINTENANCE	DOLS			91.76	2.70	
LABOR	DOLS			9.00	0.26	
HAULING ¹	DOLS			171.70	5.05	
Total Harvest				299.46	8.81	
Total Operating Costs				1100.86	32.38	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			135.10	3.97	
GENERAL FARM OVERHEAD	DOLS			30.00	0.88	
REAL ESTATE TAXES	DOLS			13.25	0.39	
PAYMENT ON COOP SHARE	DOLS			43.92	1.29	
Total Property and Ownership Costs	DOLS			222.27	5.25	
TOTAL DIRECT COSTS:				1323.13	37.62	
NET RECEIPTS BEFORE FACTOR PAYMENTS				-99.13	-1.62	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			162.50	4.78	
RETURN TO MANAGEMENT AND RISK	DOLS			-261.63	-6.40	

1 Hauling Machinery & Labor Charges = \$2.5/CWT and \$0.17 per ton per loaded mile (15 Miles)

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/TON					
		-25%	-10%		+10%	+25%	
		\$ 27.00	\$ 32.40	\$ 36.00	\$ 39.60	\$ 45.00	
ALTERNATIVE YIELDS	-25%	25.5	\$ (634.63)	\$ (496.93)	\$ (405.13)	\$ (313.33)	\$ (175.63)
	-10%	30.6	\$ (496.93)	\$ (331.69)	\$ (221.53)	\$ (111.37)	\$ 53.87
	TONS	34.0	\$ (405.13)	\$ (221.53)	\$ (99.13)	\$ 23.27	\$ 206.87
	+10%	37.4	\$ (313.33)	\$ (111.37)	\$ 23.27	\$ 157.91	\$ 359.87
	+25%	42.5	\$ (175.63)	\$ 53.87	\$ 206.87	\$ 359.87	\$ 589.37