

Table 28. 2011 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	46.20	27.45	1268.19		
TOTAL RECEIPTS				1268.19	46.20	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	80.64	1.00	80.64	2.94	
FERTILIZER	DOLS	148.89	1.00	148.89	5.42	
HERBICIDE (APPLIED)	DOLS	92.72	1.00	92.72	3.38	
INSECTICIDE	DOLS	7.14	1.00	7.14	0.26	
FUNGICIDE	DOLS	55.12	1.00	55.12	2.01	
IRRIGATION ENERGY	DOLS	51.75	1.00	51.75	1.89	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.36	
CROP INSURANCE	DOLS	48.20	1.00	48.20	1.76	
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.19	
CUSTOM AERIAL SPRAY	DOLS	8.00	2.00	16.00	0.58	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.29	
HAND LABOR	DOLS	40.00	2.00	80.00	2.91	
FUEL	DOLS			32.78	1.19	
REPAIR & MAINTENANCE	DOLS			14.12	0.51	
LABOR	DOLS			10.52	0.38	
INTEREST EXPENSE ²	DOLS			25.06	0.91	
RETAINED REVENUE & DUES	DOLS	50.48	1.00	50.48	1.84	
Total Preharvest	DOLS			791.42	28.83	
Operating Harvest						
FUEL	DOLS			29.68	1.08	
REPAIR & MAINTENANCE	DOLS			89.61	3.26	
LABOR	DOLS			8.63	0.31	
HAULING ¹	DOLS			138.62	5.05	
Total Harvest				266.54	9.71	
Total Operating Costs				1057.96	38.54	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			126.76	4.62	
GENERAL FARM OVERHEAD	DOLS			30.00	1.09	
REAL ESTATE TAXES	DOLS			12.68	0.46	
PAYMENT ON COOP SHARE	DOLS			43.92	1.60	
Total Property and Ownership Costs	DOLS			213.36	6.17	
TOTAL DIRECT COSTS:				1271.32	44.71	
NET RECEIPTS BEFORE FACTOR PAYMENTS				-3.13	1.49	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			120.00	4.37	
RETURN TO MANAGEMENT AND RISK	DOLS			-123.13	-2.89	

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%	
		\$ 34.65	\$ 41.58	\$ 46.20	\$ 50.82	\$ 57.75	
ALTERNATIVE YIELDS	-25%	20.6	\$ (557.96)	\$ (415.29)	\$ (320.18)	\$ (225.06)	\$ (82.39)
	-10%	24.7	\$ (415.29)	\$ (244.08)	\$ (129.95)	\$ (15.81)	\$ 155.40
	TONS	27.5	\$ (320.18)	\$ (129.95)	\$ (3.13)	\$ 123.69	\$ 313.92
	+10%	30.2	\$ (225.06)	\$ (15.81)	\$ 123.69	\$ 263.19	\$ 472.44
	+25%	34.3	\$ (82.39)	\$ 155.40	\$ 313.92	\$ 472.44	\$ 710.23