

Table 23. 2011 Estimated Production Costs and Returns - Irrigated Sugarbeets in Northeastern Colorado

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
SUGARBEETS	CWT	46.20	26.80	1238.16		
TOTAL RECEIPTS				1238.16	46.20	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	77.06	1.00	77.06	2.88	
FERTILIZER	DOLS	132.65	1.00	132.65	4.95	
HERBICIDE	DOLS	111.62	1.00	111.62	4.16	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.26	
INSECTICIDE	DOLS	11.90	1.00	11.90	0.44	
FUNGICIDE	DOLS	22.46	1.00	22.46	0.84	
IRRIGATION ENERGY	DOLS	99.65	1.00	99.65	3.72	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.37	
CROP INSURANCE	DOLS	50.70	1.00	50.70	1.89	
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.24	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.30	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.30	
FUEL	DOLS			26.66	0.99	
REPAIR & MAINTENANCE	DOLS			12.19	0.45	
LABOR	DOLS			9.39	0.35	
INTEREST EXPENSE ²	DOLS			22.65	0.85	
Total Preharvest	DOLS			669.93	25.00	
Operating Harvest						
FUEL	DOLS			35.35	1.32	
REPAIR & MAINTENANCE	DOLS			90.03	3.36	
LABOR	DOLS			8.63	0.32	
HAULING ¹	DOLS			135.34	5.05	
Total Harvest				269.35	10.05	
Total Operating Costs				939.28	35.05	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			124.07	4.63	
GENERAL FARM OVERHEAD	DOLS			30.00	1.12	
REAL ESTATE TAXES	DOLS			14.76	0.55	
PAYMENT ON COOP SHARE ³	DOLS			43.92	1.64	
Total Property and Ownership Costs	DOLS			212.75	6.30	
TOTAL DIRECT COSTS:				1152.03	41.35	
NET RECEIPTS BEFORE FACTOR PAYMENTS				86.13	4.85	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			120.00	4.48	
RETURN TO MANAGEMENT AND RISK	DOLS			-33.87	0.37	

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%

3 \$185 Annualized over 5 years at 6% interest

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

		ALTERNATIVE PRICES					
		\$/CWT					
		-25%	-10%		+10%	+25%	
		\$ 34.65	\$ 41.58	\$ 46.20	\$ 50.82	\$ 57.75	
ALTERNATIVE YIELDS	-25%	20.1	\$(455.57)	#####	\$ (223.41)	\$ (130.55)	\$ 8.74
	-10%	24.1	\$(316.28)	#####	\$ (37.69)	\$ 73.74	\$ 240.90
	CWT	26.8	\$(223.41)	\$ (37.69)	\$ 86.13	\$ 209.94	\$ 395.67
	+10%	29.5	\$(130.55)	\$ 73.74	\$ 209.94	\$ 346.14	\$ 550.44
	+25%	33.5	\$ 8.74	\$ 240.90	\$ 395.67	\$ 550.44	\$ 782.59