

Table 7. 2013 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	38.00	35.00	1330.00		
TOTAL RECEIPTS				1330.00	38.00	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	82.47	1.00	82.47	2.36	
FERTILIZER	DOLS	101.63	1.00	101.63	2.90	
HERBICIDE	DOLS	116.78	1.00	116.78	3.34	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.20	
INSECTICIDE	DOLS	12.54	1.00	12.54	0.36	
FUNGICIDE	DOLS	25.32	1.00	25.32	0.72	
IRRIGATION ENERGY	DOLS	97.46	1.00	97.46	2.78	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.29	
CROP INSURANCE	DOLS	57.00	1.00	57.00	1.63	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.00	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.23	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.23	
FUEL	DOLS			24.28	0.69	
REPAIR & MAINTENANCE	DOLS			12.48	0.36	
LABOR	DOLS			9.79	0.28	
INTEREST EXPENSE ²	DOLS			22.50	0.64	
Total Preharvest	DOLS			665.49	19.01	
Operating Harvest						
FUEL	DOLS			32.18	0.92	
REPAIR & MAINTENANCE	DOLS			92.19	2.63	
LABOR	DOLS			9.00	0.26	
HAULING ¹	DOLS			176.75	5.05	
Total Harvest				310.12	8.86	
Total Operating Costs				975.61	27.87	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			132.23	3.78	
GENERAL FARM OVERHEAD	DOLS			30.00	0.86	
REAL ESTATE TAXES	DOLS			15.42	0.44	
PAYMENT ON COOP SHARE ³	DOLS			43.92	1.25	
Total Property and Ownership Costs	DOLS			221.57	5.08	
TOTAL DIRECT COSTS:				1197.18	32.95	
NET RECEIPTS BEFORE FACTOR PAYMENTS				132.82	5.05	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			162.50	4.64	
RETURN TO MANAGEMENT AND RISK	DOLS			-29.68	0.41	

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%	38.00	+10%	+25%	
		\$ 28.50	\$ 34.20	\$ 38.00	\$ 41.80	\$ 47.50	
ALTERNATIVE YIELDS	-25%	26.3	\$(449.06)	#####	\$(199.68)	\$(99.93)	\$ 49.69
	-10%	31.5	\$(299.43)	#####	\$(0.18)	\$ 119.52	\$ 299.07
	CWT	35.0	\$(199.68)	\$(0.18)	\$ 132.82	\$ 265.82	\$ 465.32
	+10%	38.5	\$(99.93)	\$ 119.52	\$ 265.82	\$ 412.12	\$ 631.57
	+25%	43.8	\$ 49.69	\$ 299.07	\$ 465.32	\$ 631.57	\$ 880.94