



South Platte Valley-Irrigated Sugar Beets
Estimated Production Costs & Returns **2015**

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per TON	YOUR FARM
SUGAR BEETS	TON	\$46.70	31.0	\$1,447.70	\$46.70	
Total Receipts				\$1,447.70	\$46.70	\$0

DIRECT COSTS

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per TON	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	86.30	1.00	86.30	2.78	
FERTILIZER	DOLS	98.10	1.00	98.10	3.16	
HERBICIDE (APPLIED)	DOLS	97.00	1.00	97.00	3.13	
INSECTICIDE	DOLS	7.52	1.00	7.52	0.24	
FUNGICIDE	DOLS	62.13	1.00	62.13	2.00	
IRRIGATION ENERGY	DOLS	55.40	1.00	55.40	1.79	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.33	
CROP INSURANCE	DOLS	65.00	1.00	65.00	2.10	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.26	
CUSTOM AERIAL SPRAY	DOLS	8.00	2.00	16.00	0.52	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.26	
HAND LABOR	DOLS	41.69	2.00	83.38	2.69	
FUEL	DOLS	20.79	1.00	20.79	0.67	
REPAIR & MAINTENANCE	DOLS	14.46	1.00	14.46	0.47	
LABOR	DOLS	10.96	1.00	10.96	0.35	
INTEREST EXPENSE ²	DOLS	24.68	1.00	24.68	0.80	
RETAINED REVENUE & DUES	DOLS	50.48	1.00	50.48	1.63	
Total Pre-Harvest Expenses				780.44	25.18	\$0
<i>HARVEST COSTS</i>						
FUEL	DOLS	18.80	1.00	18.80	0.61	
REPAIR & MAINTENANCE	DOLS	91.76	1.00	91.76	2.96	
LABOR	DOLS	9.00	1.00	9.00	0.29	
HAULING ¹	DOLS	170.84	1.00	170.84	5.51	
Total Harvest Costs				290.40	9.37	
Total Operating Costs				1,070.84	34.54	\$0
<i>PROPERTY & OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	135.10	1.00	135.10	4.36	
GENERAL FARM OVERHEAD	DOLS	30.00	1.00	30.00	0.97	
REAL ESTATE TAXES	DOLS	13.25	1.00	13.25	0.43	
PAYMENT ON COOP SHARE	DOLS	43.92	1.00	43.92	1.42	
Total Property & Ownership Costs				222.27	7.17	\$0
Total Direct Costs				1,293.11	41.71	\$0
NET RECEIPTS BEFORE FACTOR PAYMENTS				154.59	\$4.99	\$0
FACTOR PAYMENTS						
Land @ 4%				200.00	6.45	
RETURN TO MANAGEMENT & RISK				(45.41)	(1.46)	\$0

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				
ALTERNATIVE YIELDS		-25%	-10%	\$46.70	+10%	+25%
-25%	23.25	\$ 35.03	\$ 42.03	\$ 46.70	\$ 51.37	\$ 58.38
-10%	27.90	(\$478.78)	(\$315.91)	(\$207.34)	(\$98.76)	\$64.11
		(\$315.91)	(\$120.47)	\$9.82	\$140.11	\$335.55
TONS	31.00	(\$207.34)	\$9.82	\$154.59	\$299.36	\$516.52
+10%	34.10	(\$98.76)	\$140.11	\$299.36	\$458.61	\$697.48
+25%	38.75	\$64.11	\$335.55	\$516.52	\$697.48	\$968.92