

Projections for Planning Purposes Only -- Not to be Used without Updating**2013 Estimated Costs and Returns per Acre
Irrigated Processed Beets - 100 Acres
Southwest Extension District - 10**

| Crop Acres | | 100 | | | | Enterprise |
|---|----------|-----------|----------------|-------------------|---------------------|---------------------|
| REVENUE | Quantity | Units | \$/Unit | Total | Total | Total |
| Beets | 15.00 | Ton | \$130.00 | \$1,950.00 | \$195,000.00 | \$195,000.00 |
| Other Revenue | 0.00 | Acre | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Revenue | 0.00 | Acre | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total Revenue | | | | \$1,950.00 | \$195,000.00 | \$195,000.00 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | Total | Enterprise |
| Production Costs | | | | | | |
| Seed | | | | | | |
| Seed Beet | 1 | Pounds | \$50.00 | \$50.00 | \$5,000.00 | \$5,000.00 |
| Crop Insurance | | | | | | |
| NAP Insurance | 1 | Acre | \$2.00 | \$2.00 | \$200.00 | \$200.00 |
| Fungicide | | | | | | |
| Fungicide Beets | 1 | Acre | \$8.25 | \$8.25 | \$825.00 | \$825.00 |
| Fertilizer | | | | | | |
| Nitrogen N32 | 124 | Pounds | \$0.60 | \$74.11 | \$7,410.94 | \$7,410.94 |
| Phosphate | 80 | Pounds | \$0.47 | \$37.79 | \$3,778.70 | \$3,778.70 |
| Miscellaneous Administrative Overhead | | | | | | |
| Misc. Overhead | 1 | Acre | \$4.00 | \$4.00 | \$400.00 | \$400.00 |
| Soil Admendment | | | | | | |
| Boron | 2 | Acre | \$7.00 | \$14.00 | \$1,400.00 | \$1,400.00 |
| Herbicide | | | | | | |
| Herbicide Beets | 1 | Acre | \$25.00 | \$25.00 | \$2,500.00 | \$2,500.00 |
| Custom | | | | | | |
| Herbicide Application | 1 | Acre | \$4.50 | \$4.50 | \$450.00 | \$450.00 |
| Pesticide Application Vegetal | 3 | Acre | \$5.50 | \$16.50 | \$1,650.00 | \$1,650.00 |
| Irrigation | | | | | | |
| Irrigation Costs | 15 | Acre-Inch | \$7.00 | \$105.00 | \$10,500.00 | \$10,500.00 |
| Operator Labor | | | | | | |
| Tractors | 1.921 | Hour | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Irrigation Labor | | | | | | |
| Labor | 0.75 | Hour | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Diesel Fuel | | | | | | |
| Tractors | 9.47041 | Gallon | \$3.30 | \$31.25 | \$3,125.24 | \$3,125.24 |
| Gasoline | | | | | | |
| Pickup | 0.91 | Gallon | \$3.20 | \$2.91 | \$291.20 | \$291.20 |
| Repairs & Maintenance | | | | | | |
| Tractors | 1 | Acre | \$16.05 | \$16.05 | \$1,605.05 | \$1,605.05 |
| Implements | 1 | Acre | \$10.89 | \$10.89 | \$1,089.07 | \$1,089.07 |
| Pickup | 1 | Acre | \$1.00 | \$1.00 | \$100.33 | \$100.33 |
| Irrigation | 1 | Acre | \$3.40 | \$3.40 | \$340.00 | \$340.00 |
| Interest on Credit Line | | | 6.50% | \$6.69 | \$668.89 | \$668.89 |
| Total Variable Costs | | | | \$413.34 | \$41,334.41 | \$41,334.41 |
| Planned Returns Above Variable Costs: | | | | \$1,536.66 | \$153,665.59 | \$153,665.59 |
| Breakeven Price to Cover Variable Costs | | | \$27.56 | Ton | | |
| FIXED COSTS | Quantity | Units | \$/Unit | Total | Total | Enterprise |
| Machinery | | | | | | |
| Tractors | 1 | Acre | \$29.32 | \$29.32 | \$2,931.60 | \$2,931.60 |
| Implements | 1 | Acre | \$22.33 | \$22.33 | \$2,232.70 | \$2,232.70 |
| Pickup | 1 | Acre | \$3.62 | \$3.62 | \$361.67 | \$361.67 |
| Irrigation | 1 | Acre | \$7.65 | \$7.65 | \$765.00 | \$765.00 |
| Land Rent | 1 | Acre | \$40.00 | \$40.00 | \$4,000.00 | \$4,000.00 |
| Total Fixed Costs | | | | \$102.91 | \$10,290.96 | \$10,290.96 |
| Total Specified Costs | | | | \$516.25 | \$51,625.37 | \$51,625.37 |
| Returns Above Specified Costs | | | | \$1,433.75 | \$143,374.63 | \$143,374.63 |
| Breakeven Price to Cover Total Costs | | | \$34.42 | Ton | | |

Breakeven Prices

| Yield Percent | Yield Ton | Variable Costs | | Total Costs | | |
|---------------|-----------|----------------|---------|-------------|---------|----------|
| | | Full | Tenant | Full | Tenant | Landlord |
| 75% | 11.25 | \$36.74 | \$36.74 | \$45.89 | \$45.89 | \$0.00 |
| 90% | 13.50 | \$30.62 | \$30.62 | \$38.24 | \$38.24 | \$0.00 |
| 100% | 15.00 | \$27.56 | \$27.56 | \$34.42 | \$34.42 | \$0.00 |
| 110% | 16.50 | \$25.05 | \$25.05 | \$31.29 | \$31.29 | \$0.00 |
| 125% | 18.75 | \$22.05 | \$22.05 | \$27.53 | \$27.53 | \$0.00 |

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation.