

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

| Crop Acres | | 100 | | | | |
|---|--|----------|-----------|----------|-------------------|---------------------|
| REVENUE | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Process Spinach | | 20.00 | Ton | \$160.00 | \$3,200.00 | \$320,000.00 |
| Other Revenue | | 0.00 | Acre | \$0.00 | \$0.00 | \$0.00 |
| Other Revenue | | 0.00 | Acre | \$0.00 | \$0.00 | \$0.00 |
| Total Revenue | | | | | <u>\$3,200.00</u> | <u>\$320,000.00</u> |
| VARIABLE COSTS | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Production Costs | | | | | | |
| Seed | | | | | | |
| Seed Spinach | | 600 | Thousand | \$0.29 | \$174.00 | \$17,400.00 |
| Crop Insurance | | | | | | |
| NAP Insurance | | 1 | Acre | \$2.00 | \$2.00 | \$200.00 |
| Fungicide | | | | | | |
| Ridomil | | 14 | Ounce | \$5.50 | \$77.00 | \$7,700.00 |
| Fungicide Spinach 2 | | 1 | Acre | \$61.60 | \$61.60 | \$6,160.00 |
| Fungicide Spinach | | 2 | Acre | \$25.30 | \$50.60 | \$5,060.00 |
| Insecticide | | | | | | |
| Insecticide Spinach | | 4 | Acre | \$23.00 | \$92.00 | \$9,200.00 |
| Insecticide Spinach 1 | | 1 | Acre | \$13.80 | \$13.80 | \$1,380.00 |
| Fertilizer | | | | | | |
| N - Spinach | | 250 | Pounds | \$0.60 | \$149.41 | \$14,941.41 |
| P - Spinach | | 132 | Pounds | \$0.47 | \$62.35 | \$6,234.85 |
| K - Spinach | | 40 | Pounds | \$0.25 | \$10.00 | \$1,000.00 |
| S - Spinach | | 22 | Pounds | \$0.63 | \$13.75 | \$1,375.00 |
| Mg - Spinach | | 2 | Pounds | \$0.90 | \$1.80 | \$180.00 |
| Miscellaneous Administrative Overhead | | | | | | |
| Misc. Overhead | | 1.75 | Acre | \$4.00 | \$7.00 | \$700.00 |
| Herbicide | | | | | | |
| Herbicide Spinach C | | 1 | Acre | \$15.00 | \$15.00 | \$1,500.00 |
| Custom | | | | | | |
| Pesticide Application Vegetal | | 5 | Acre | \$5.50 | \$27.50 | \$2,750.00 |
| Herbicide Application | | 1 | Acre | \$4.50 | \$4.50 | \$450.00 |
| Fertilizer Application | | 3 | Acre | \$5.75 | \$17.25 | \$1,725.00 |
| Irrigation | | | | | | |
| Irrigation Costs | | 16 | Acre-Inch | \$7.00 | \$112.00 | \$11,200.00 |
| Other Labor | | | | | | |
| Labor | | 3.5 | Hour | \$10.00 | \$35.00 | \$3,500.00 |
| Operator Labor | | | | | | |
| Tractors | | 1.773 | Hour | \$0.00 | \$0.00 | \$0.00 |
| Irrigation Labor | | | | | | |
| Labor | | 0.8 | Hour | \$0.00 | \$0.00 | \$0.00 |
| Diesel Fuel | | | | | | |
| Tractors | | 9.90111 | Gallon | \$3.30 | \$32.67 | \$3,267.37 |
| Gasoline | | | | | | |
| Pickup | | 0.91 | Gallon | \$3.20 | \$2.91 | \$291.20 |
| Repairs & Maintenance | | | | | | |
| Tractors | | 1 | Acre | \$19.35 | \$19.35 | \$1,934.69 |
| Implements | | 1 | Acre | \$10.54 | \$10.54 | \$1,054.07 |
| Pickup | | 1 | Acre | \$1.00 | \$1.00 | \$100.33 |
| Irrigation | | 1 | Acre | \$3.40 | \$3.40 | \$340.00 |
| Interest on Credit Line | | | | | | |
| | | | | 6.50% | \$24.75 | \$2,474.60 |
| Total Variable Costs | | | | | <u>\$1,021.19</u> | <u>\$102,118.51</u> |
| Planned Returns Above Variable Costs: | | | | | \$2,178.81 | \$217,881.49 |
| Breakeven Price to Cover Variable Costs | | | | | \$51.06 | Ton |
| FIXED COSTS | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Machinery | | | | | | |
| Tractors | | 1 | Acre | \$33.33 | \$33.33 | \$3,333.13 |
| Implements | | 1 | Acre | \$21.60 | \$21.60 | \$2,159.73 |
| Pickup | | 1 | Acre | \$3.62 | \$3.62 | \$361.67 |
| Irrigation | | 1 | Acre | \$7.65 | \$7.65 | \$765.00 |
| Land Rent | | | | | | |
| | | 1 | Acre | \$72.00 | \$72.00 | \$7,200.00 |
| Total Fixed Costs | | | | | <u>\$138.20</u> | <u>\$13,819.53</u> |
| Total Specified Costs | | | | | <u>\$1,159.38</u> | <u>\$115,938.04</u> |
| Returns Above Specified Costs | | | | | \$2,040.62 | \$204,061.96 |
| Breakeven Price to Cover Total Costs | | | | | \$57.97 | Ton |

| Breakeven Prices | | | | | | |
|------------------|-----------|----------------|---------|---------|-------------|----------|
| Yield Percent | Yield Ton | Variable Costs | | | Total Costs | |
| | | Full | Tenant | Full | Tenant | Landlord |
| 75% | 15.00 | \$68.08 | \$68.08 | \$77.29 | \$77.29 | \$0.00 |
| 90% | 18.00 | \$56.73 | \$56.73 | \$64.41 | \$64.41 | \$0.00 |
| 100% | 20.00 | \$51.06 | \$51.06 | \$57.97 | \$57.97 | \$0.00 |
| 110% | 22.00 | \$46.42 | \$46.42 | \$52.70 | \$52.70 | \$0.00 |
| 125% | 25.00 | \$40.85 | \$40.85 | \$46.38 | \$46.38 | \$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.