

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 Estimated Costs and Returns per Acre**  
**Fresh Market Spinach - 122 Acres**  
**Southwest Extension District - 10**

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Fresh Spinach	400.00	Carton	\$14.00	\$5,600.00	\$683,200.00
<b>Total Revenue</b>				<b>\$5,600.00</b>	<b>\$683,200.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Seed					
Spinach Seed	600	Thousand	\$0.29	\$174.00	\$21,228.00
Fertilizer					
Fertilizer 18-46-0	260	Pound	\$0.27	\$70.20	\$8,564.40
Fertilizer 0-0-22 Kmag	90	Pound	\$0.22	\$19.80	\$2,415.60
UAN + Sulfur (28% N)	2.11	CWT	\$8.93	\$18.84	\$2,298.76
Mg, 4% Liquid	5.5	Gallon	\$8.50	\$46.75	\$5,703.50
N-32 in Water	469	Pound	\$0.17	\$79.73	\$9,727.06
Custom					
Custom Harvest Spinach	400	Carton	\$6.65	\$2,660.00	\$324,520.00
Miscellaneous					
Miscellaneous Spinach Overhead	2	Acre	\$4.00	\$8.00	\$976.00
Insecticide					
Mustang Max	9	Ounce	\$1.54	\$13.86	\$1,690.92
Diazinon	2.5	Quart	\$10.75	\$26.88	\$3,278.75
Fungicides					
Ridomil Gold Bravo	1	Pound	\$2.00	\$2.00	\$244.00
Quadris	24	Ounce	\$2.46	\$59.04	\$7,202.88
Herbicide					
Dual Magnum	1	Pint	\$12.13	\$12.13	\$1,479.86
Other Labor					
Hand Labor	3.5	Hour	\$8.50	\$29.75	\$3,629.50
Irrigation					
Energy Cost	1040.00	kWh	\$0.17	\$176.80	\$21,569.60
Machinery Labor					
Tractors/Self-Propelled	1.99	Hour	\$12.00	\$23.88	\$2,913.36
Diesel Fuel					
Tractors/Self-Propelled	15.2	Gallon	\$2.10	\$31.92	\$3,894.24
Gasoline					
Pickup/General Use Equipment	1	Acre	\$131.72	\$131.72	\$16,069.84
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$7.91	\$7.91	\$964.48
Irrigation Equipment	1	Acre	\$10.82	\$10.82	\$1,319.55
Tractors/Self-Propelled	1	Acre	\$29.06	\$29.06	\$3,545.31
Implements	1	Acre	\$27.36	\$27.36	\$3,337.95
Interest on Credit Line			6.50%	\$30.83	\$3,761.79
<b>Total Variable Costs</b>				<b>\$3,691.27</b>	<b>\$450,335.36</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$1,908.73</b>	<b>\$232,864.64</b>
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$9.23</b>	<b>Carton</b>	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$41.18	\$41.18	\$5,023.35
Irrigation Equipment	1	Acre	\$55.61	\$55.61	\$6,784.07
Tractors/Self-Propelled	1	Acre	\$34.36	\$34.36	\$4,191.53
Implements	1	Acre	\$32.02	\$32.02	\$3,906.32
Equipment Investment					
Pickup/General Use Equipment	\$171.56	Dollars	6.50%	\$11.15	\$1,360.49
Irrigation Equipment	\$417.05	Dollars	6.50%	\$27.11	\$3,307.23
Tractors/Self-Propelled	\$267.80	Dollars	6.50%	\$17.41	\$2,123.68
Implements	\$144.31	Dollars	6.50%	\$9.38	\$1,144.40
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
<b>Total Fixed Costs</b>				<b>\$278.21</b>	<b>\$33,941.07</b>
<b>Total Specified Costs</b>				<b>\$3,969.48</b>	<b>\$484,276.42</b>
<b>Returns Above Specified Costs</b>				<b>\$1,630.52</b>	<b>\$198,923.58</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$9.92</b>	<b>Carton</b>	

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	300.00	\$12.30	\$13.23
90%	360.00	\$10.25	\$11.03
100%	400.00	\$9.23	\$9.92
110%	440.00	\$8.39	\$9.02
125%	500.00	\$7.38	\$7.94

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension.

**Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.**