

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Fresh Market Spinach
Southwest Extension District - 10

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		Total
Fresh Spinach	400.00	Carton	\$14.00	\$5,600.00		\$683,200.00
Total Revenue				\$5,600.00		\$683,200.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Production Costs						
Seed						
Spinach Seed	600	Thousand	\$0.29	\$174.00		\$21,228.00
Fertilizer						
Fertilizer 18-46-0	260	Pound	\$0.24	\$62.40		\$7,612.80
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
Herbicide						
Dual Magnum	1	Pint	\$12.13	\$12.13		\$1,479.86
Insecticide						
Mustang Max	9	Ounce	\$1.54	\$13.86		\$1,690.92
Diazinon	2.5	Quart	\$10.75	\$26.88		\$3,278.75
Miscellaneous						
Miscellaneous Spinach Overhead	2	Acre	\$4.00	\$8.00		\$976.00
Fungicides						
Ridomil Gold Bravo	1	Pound	\$2.00	\$2.00		\$244.00
Quadris	24	Ounce	\$2.46	\$59.04		\$7,202.88
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	1.75	Hour	\$12.00	\$21.00		\$2,562.00
Other Labor	0.23	Hour	\$8.50	\$1.96		\$238.51
Diesel Fuel						
Tractors/Self-Propelled	15	Gallon	\$2.14	\$32.10		\$3,916.20
Gasoline						
Pickup/General Use Equipment	1	Acre	\$37.79	\$37.79		\$4,609.84
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	\$32.91	\$32.91		\$4,014.48
Implements	1	Acre	\$28.19	\$28.19		\$3,438.76
Interest on Credit Line			6.50%	\$31.62		\$3,857.66
Total Variable Costs				\$3,594.25		\$438,498.72
Planned Returns Above Variable Costs:						\$244,701.28
Breakeven Price to Cover Variable Costs			\$8.99	Carton		
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
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	\$37.77	\$37.77		\$4,607.83
Implements	1	Acre	\$32.77	\$32.77		\$3,998.27
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	\$292.46	Dollars	6.50%	\$19.01		\$2,319.23
Implements	\$148.05	Dollars	6.50%	\$9.62		\$1,174.06
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00		\$6,100.00
Total Fixed Costs				\$284.22		\$34,674.52
Total Specified Costs				\$3,878.47		\$473,173.24
Returns Above Specified Costs				\$1,721.53		\$210,026.76
Breakeven Price to Cover Total Costs			\$9.70	Carton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	To Cover Variable Costs	To Cover Total Costs
75%	300.00	\$11.98	\$12.93
90%	360.00	\$9.98	\$10.77
100%	400.00	\$8.99	\$9.70
110%	440.00	\$8.17	\$8.81
125%	500.00	\$7.19	\$7.76

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

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.