

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Fresh Market Spinach - 122 Acres
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	\$0.28	\$72.80	\$8,881.60	
Fertilizer 0-0-22 Kmag	90	Pound	\$0.24	\$21.60	\$2,635.20	
UAN + Sulfur (28% N)	2.11	CWT	\$8.93	\$18.84	\$2,298.76	
Mg, 4% Liquid	5.5	Gallon	\$11.00	\$60.50	\$7,381.00	
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	\$1.69	\$15.21	\$1,855.62	
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	\$2.38	\$57.12	\$6,968.64	
Herbicide						
Dual Magnum	1	Pint	\$13.13	\$13.13	\$1,601.86	
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	15.61	Gallon	\$2.15	\$33.56	\$4,094.50	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$131.72	\$131.72	\$16,069.84	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$10.98	\$10.98	\$1,339.56	
Irrigation Equipment	1	Acre	\$10.80	\$10.80	\$1,317.87	
Tractors/Self-Propelled	1	Acre	\$30.81	\$30.81	\$3,759.10	
Implements	1	Acre	\$27.36	\$27.36	\$3,337.95	
Interest on Credit Line						
			6.50%	\$32.11	\$3,917.31	
Total Variable Costs				\$3,717.58	\$453,545.08	
Planned Returns Above Variable Costs:				\$1,882.42	\$229,654.92	
Breakeven Price to Cover Variable Costs				\$9.29	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	\$37.29	\$37.29	\$4,549.85	
Implements	1	Acre	\$32.02	\$32.02	\$3,906.32	
Equipment Investment						
Pickup/General Use Equipment	\$274.50	Dollars	6.50%	\$17.84	\$2,176.79	
Irrigation Equipment	\$834.11	Dollars	6.50%	\$54.22	\$6,614.47	
Tractors/Self-Propelled	\$444.10	Dollars	6.50%	\$28.87	\$3,521.70	
Implements	\$256.38	Dollars	6.50%	\$16.66	\$2,033.09	
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$333.69	\$40,709.62	
Total Specified Costs				\$4,051.27	\$494,254.69	
Returns Above Specified Costs				\$1,548.73	\$188,945.31	
Breakeven Price to Cover Total Costs				\$10.13	Carton	

Example Breakeven Prices						
Example Yield Percent	Example Yield Carton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share/Tenant	Own/Rent	Share/Tenant	Landlord
75%	300.00	\$12.39	\$12.39	\$13.50	\$13.50	\$0.00
90%	360.00	\$10.33	\$10.33	\$11.25	\$11.25	\$0.00
100%	400.00	\$9.29	\$9.29	\$10.13	\$10.13	\$0.00
110%	440.00	\$8.45	\$8.45	\$9.21	\$9.21	\$0.00
125%	500.00	\$7.44	\$7.44	\$8.10	\$8.10	\$0.00

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.