

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Grapefruit, Year 7, Orchard Establishment, Flood Irrigated, Rio Grande Valley - 100 Acres
South Extension District - 12

Crop Acres		100			
				Total	Enterprise Total
REVENUE					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Grapefruit (Rio Red)	18.00	Ton	\$120.00	\$2,160.00	\$216,000.00
Total Revenue				\$2,160.00	\$216,000.00
VARIABLE COSTS					
				Total	Enterprise Total
Production Costs					
Fertilizer					
Ammonium Sulfate (21% N)	7.14	CWT	\$18.25	\$130.31	\$13,030.50
Custom					
Custom Fertilize Citrus	2	Acre	\$4.40	\$8.80	\$880.00
Custom Orchard Spray	4	Acre	\$38.50	\$154.00	\$15,400.00
Miscellaneous					
Insurance, Established Grapefruit	1	Acre	\$115.00	\$115.00	\$11,500.00
Insecticide					
Lorsban 4E	8	Pint	\$6.11	\$48.88	\$4,888.00
Admire Pro	0.875	Pint	\$26.67	\$23.34	\$2,333.63
Vendex	6	Pound	\$36.00	\$216.00	\$21,600.00
Citrus Oil	5	Gallon	\$8.20	\$41.00	\$4,100.00
Agri-Mek SC	0.078	Gallon	\$480.68	\$37.49	\$3,749.30
Provado	20	Ounce	\$1.03	\$20.60	\$2,060.00
Herbicide					
Simazine 4L	1.25	Gallon	\$20.40	\$25.50	\$2,550.00
Krovar 1 80 DF	3	Pound	\$14.88	\$44.64	\$4,464.00
Other Chemicals					
Surfactant - Citrus	2	Pint	\$3.60	\$7.20	\$720.00
Other Labor					
Unallocated Labor	0.0122	Hour	\$12.00	\$0.15	\$14.64
Irrigation					
Water Cost	1.20	Acre/Foot	\$20.00	\$24.00	\$2,400.00
Irrigation Labor	3.00	Hour	\$12.00	\$36.00	\$3,600.00
Machinery Labor					
Tractors/Self-Propelled	0.24	Hour	\$12.00	\$2.88	\$288.00
Diesel Fuel					
Tractors/Self-Propelled	1.21	Gallon	\$2.10	\$2.54	\$254.10
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$2.63	\$2.63	\$262.93
Implements	1	Acre	\$0.36	\$0.36	\$36.48
Interest on Credit Line			5.00%	\$26.61	\$2,661.18
Total Variable Costs				\$967.93	\$96,792.76
Planned Returns Above Variable Costs:				\$1,192.07	\$119,207.24
Breakeven Price to Cover Variable Costs			\$53.77	Ton	
FIXED COSTS					
				Total	Enterprise Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$2.72	\$2.72	\$271.69
Implements	1	Acre	\$0.33	\$0.33	\$32.83
Equipment Investment					
Tractors/Self-Propelled	\$21.17	Dollars	7.00%	\$1.48	\$148.16
Implements	\$1.40	Dollars	7.00%	\$0.10	\$9.83
Allocated Establishment Cost					
Land Cost, Orchard	1	Acre	\$254.04	\$254.04	\$25,404.00
	1	Acre	\$120.00	\$120.00	\$12,000.00
Total Fixed Costs				\$378.67	\$37,866.52
Total Specified Costs				\$1,346.59	\$134,659.28
Returns Above Specified Costs				\$813.41	\$81,340.72
Breakeven Price to Cover Total Costs			\$74.81	Ton	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	13.50	\$71.70	\$99.75
90%	16.20	\$59.75	\$83.12
100%	18.00	\$53.77	\$74.81
110%	19.80	\$48.89	\$68.01
125%	22.50	\$43.02	\$59.85

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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.