

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Grapefruit, Year 2, Orchard Establishment, Flood Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres		100			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Total Revenue				\$0.00	\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Simazine 4L	1.25	Gallon	\$21.46	\$26.83	\$2,682.60
Krovar I 80 DF	3	Pound	\$15.65	\$46.96	\$4,696.13
Roundup/Glyphosate	3.4	Gallon	\$20.00	\$68.00	\$6,800.00
Fertilizer					
Urea (46%)	1.25	CTW	\$21.80	\$27.25	\$2,725.00
Foliar Zn	0.67	Pound	\$0.80	\$0.54	\$53.60
Foliar 18-8-5	1.32	Gallon	\$15.50	\$20.46	\$2,046.00
Custom					
Foliar Application	2	Acre	\$42.00	\$84.00	\$8,400.00
Sucker (Yr 1-3 Year)	1	Acre	\$45.00	\$45.00	\$4,500.00
Miscellaneous					
Insurance, Grapefruit	1	Acre	\$30.00	\$30.00	\$3,000.00
Citrus Assessment	1	Acre	\$45.00	\$45.00	\$4,500.00
Insecticide					
Sivanto	10	Ounce	\$2.30	\$23.00	\$2,300.00
Danitol	16	Ounce	\$1.58	\$25.28	\$2,528.00
Other Chemicals					
Surfactant - Citrus	8.28	Pint	\$8.00	\$66.24	\$6,624.00
Other Labor					
Unallocated Labor	1	Hour	\$12.00	\$12.00	\$1,200.00
Costum Soil Fert. Citrus	6	Hour	\$12.00	\$72.00	\$7,200.00
Seed					
Young Citrus Trees	3	Tree	\$10.00	\$30.00	\$3,000.00
Layout and Plant	3	Tree	\$5.00	\$15.00	\$1,500.00
Tree Wrap/Unwrap	3	Tree	\$2.00	\$6.00	\$600.00
Irrigation					
Water Cost	4.00	Acre/Foot	\$20.00	\$80.00	\$8,000.00
Irrigation Labor	14.00	Hour	\$12.00	\$168.00	\$16,800.00
Machinery Labor					
Tractors/Self-Propelled	0.36	Hour	\$12.00	\$4.32	\$432.00
Other Labor	0.18	Hour	\$12.00	\$2.16	\$216.00
Diesel Fuel					
Tractors/Self-Propelled	3.66	Gallon	\$2.30	\$8.42	\$841.80
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$8.43	\$8.43	\$842.88
Implements	1	Acre	\$2.86	\$2.86	\$285.88
Interest on Credit Line			5.00%	\$27.36	\$2,736.44
Total Variable Costs				\$945.10	\$94,510.33
Planned Returns Above Variable Costs:				(\$945.10)	(\$94,510.33)
Breakeven Price to Cover Variable Costs			n/a		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$8.71	\$8.71	\$870.98
Implements	1	Acre	\$3.06	\$3.06	\$305.59
Equipment Investment					
Tractors/Self-Propelled	\$67.85	Dollars	7.00%	\$4.75	\$474.96
Implements	\$13.07	Dollars	7.00%	\$0.92	\$91.51
Land Cost, Orchard	1	Acre	\$100.00	\$100.00	\$10,000.00
Total Fixed Costs				\$117.43	\$11,743.04
Total Specified Costs				\$1,062.53	\$106,253.37
Returns Above Specified Costs				(\$1,062.53)	(\$106,253.37)
Breakeven Price to Cover Total Costs			n/a		

Example Breakeven Prices			
Example Percent	Example Yield	To Cover Variable Costs	To Cover Total Costs
75%	0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension, 956-968-5581.

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.