

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 Estimated Costs and Returns per Acre**  
**Grapefruit, Year 1, Orchard Establishment, Flood Irrigated, Rio Grande Valley**  
**South Extension District - 12**

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Enterprise
Total Revenue				\$0.00		\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Seed						
Young Citrus Trees	150	Tree	\$10.00	\$1,500.00		\$150,000.00
Layout and Plant	150	Tree	\$5.00	\$750.00		\$75,000.00
Tree Wrap/Unwrap	150	Tree	\$2.00	\$300.00		\$30,000.00
Fertilizer						
Urea (46%)	0.62	CTW	\$21.80	\$13.52		\$1,351.60
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						
Land Prep. Remove Old Orchard	1	Acre	\$378.00	\$378.00		\$37,800.00
Citrus Land Prep: Ripping	1	Acre	\$300.00	\$300.00		\$30,000.00
Citrus Land Prep: Disk	1	Acre	\$75.00	\$75.00		\$7,500.00
Citrus Land Prep: Level	1	Acre	\$86.00	\$86.00		\$8,600.00
Sucker (Yr 1-3 Year)	1	Acre	\$45.00	\$45.00		\$4,500.00
Foliar Application	2	Acre	\$42.00	\$84.00		\$8,400.00
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
Insecticide						
Sivanto	10	Ounce	\$2.30	\$23.00		\$2,300.00
Danitol	16	Ounce	\$1.58	\$25.28		\$2,528.00
Miscellaneous						
Citrus Assessment	1	Acre	\$45.00	\$45.00		\$4,500.00
Insurance, Grapefruit	1	Acre	\$30.00	\$30.00		\$3,000.00
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
Other Chemicals						
Surfactant - Citrus	8.28	Pint	\$8.00	\$66.24		\$6,624.00
Irrigation						
Water Cost	1.56	Acre/Foot	\$20.00	\$31.20		\$3,120.00
Irrigation Labor	13.00	Hour	\$12.00	\$156.00		\$15,600.00
Machinery Labor						
Tractors/Self-Propelled	0.8	Hour	\$12.00	\$9.60		\$960.00
Other Labor	0.4	Hour	\$12.00	\$4.80		\$480.00
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%	\$177.84		\$17,783.66
Total Variable Costs				\$4,366.96		\$436,696.15
Planned Returns Above Variable Costs:				(\$4,366.96)		(\$436,696.15)
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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				\$4,484.39		\$448,439.19
Returns Above Specified Costs				(\$4,484.39)		(\$448,439.19)
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield 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

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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.**