Projections for Planning Purposes Only -- Not to be Used without Updating 2016 Estimated Costs and Returns per Acre Grapefruit, Year 6, Orchard Establishment, Flood Irrigated, Rio Grande Valley - 100 Acres South Extension District - 12

Crop Acres 100 Enterprise REVENUE Quantity Units \$/Unit Total Total \$1,440.00 Grapefruit (Rio Red) 12.00 Ton \$120.00 \$144,000.00 Total Revenue \$1,440,00 \$144,000.00 Enterprise VARIABLE COSTS Quantity Units \$/Unit Total Total **Production Costs** Fertilizer Ammonium Sulfate (21% N) 7.14 **CWT** \$18.25 \$130.31 \$13,030.50 Custom Custom Fertilize Citrus 2 \$4.40 \$8.80 \$880.00 Acre **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 Vendex 6 Pound \$36.00 \$216.00 \$21,600.00 Lorsban 4E Pint \$6.11 \$48.88 \$4,888.00 8 \$41.00 \$4,100.00 Gallon Citrus Oil \$8.20 5 0.875 Admire Pro Pint \$26.67 \$23.34 \$2,333,63 Agri-Mek SC 0.078 Gallon \$480.68 \$37.49 \$3,749.30 Provado 20 \$1.03 \$20.60 \$2,060.00 Ounce Herbicide Simazine 4L 1.25 Gallon \$20.40 \$25.50 \$2,550.00 Krovar I 80 DF \$14.88 \$44.64 \$4,464.00 3 Pound Other Chemicals 2 \$7.20 Surfactant - Citrus Pint \$3.60 \$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 \$12.00 \$36.00 \$3,600.00 3.00 Hour Machinery Labor Tractors/Self-Propelled \$288.00 0.24 Hour \$12.00 \$2.88 Diesel Fuel Tractors/Self-Propelled 1.21 Gallon \$2.10 \$2.54 \$254.10 Repairs & Maintenance Tractors/Self-Propelled \$2.33 \$2.33 \$232.91 Acre \$0.35 Implements \$0.35 \$34.77 Acre Interest on Credit Line 5.00% \$26.60 \$2,660.39 **Total Variable Costs** \$967.60 \$96,760,23 Planned Returns Above Variable Costs: \$472.40 \$47,239.77 Breakeven Price to Cover Variable Costs \$80.63 Enterprise **FIXED COSTS** Quantity Units \$/Unit Total Total Machinery Depreciation Tractors/Self-Propelled 1 Acre \$2 41 \$2 41 \$240.67 Implements Acre \$0.31 \$0.31 \$31.29 **Equipment Investment** Tractors/Self-Propelled \$18.75 Dollars 7.00% \$1.31 \$131.24 Implements \$1.34 Dollars 7.00% \$0.09 \$9.37 Allocated Establishment Cost \$254.04 \$254.04 \$25,404.00 Acre Land Cost, Orchard \$120.00 \$120.00 \$12,000.00 Acre **Total Fixed Costs** \$378.17 \$37.816.58 **Total Specified Costs** Returns Above Specified Costs \$94.23 \$9,423.19 Breakeven Price to Cover Total Costs \$112.15 Ton

		Example Br	Example Breakeven Prices	
Example	Example			
Yield	Yield	Price Needed to Cover	Price Needed to Cover	
Percent	Ton	Your Variable Costs	Your Total Costs	
75%	9.00	\$107.51	\$149.53	
90%	10.80	\$89.59	\$124.61	
100%	12.00	\$80.63	\$112.15	
110%	13.20	\$73.30	\$101.95	
125%	15.00	\$64.51	\$89.72	

Developed by Samuel Zapata, Assistant 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.