2025 Estimated Costs and Returns per Acre Grapefruit, Year 1, Orchard Establishment, Flood Irrigated, Rio Grande Valley South Extension District - 12

REVENUE Quantity Units SUnit Total Total Total Revenue \$0.00 \$0.00 Emergine VARIABLE COSTS Quantity Units \$Unit Total Total Production Costs Total Total Total Total Total Production Costs \$500 \$7250.00 \$225.000.00 \$30.000	Crop Acres	100				
Total Revenue \$0.00 S0.00 Entraprise VARIABLE COSTS Quantity Units \$Unit Total Total Production Costs Seed Young Citrus Trees 150 Tree \$15.00 \$22,250,000 \$32,000.00 Total WapUmwap 150 Tree \$2,00 \$300.00 \$30,000.00 Ferifizer Urea (46%) 0.62 CTW \$26:10 \$16:18 \$1.16:18 \$23,44.93 Foliar 2n 0.67 Pound \$315.00 \$22,44 \$23,44.93 Foliar 2n 0.67 Pound \$315.00 \$47,50.00 \$12,500.00 Simazine 4L 1.25 Gaton \$31.04 \$53,304.00 \$32,308.00 Microard 80 DF 3 Pound \$17.68 \$55.00 \$12,500.00 Insacticide 20 Pin \$6.25 \$12,500.00 \$12,500.00 Microard 80 DF 3 Acree \$50.00 \$50.00 \$30.00.00 Citrus Assessment 1 Acree \$50.00	·		Linite	€/II.a.it	Total	
VARIABLE COSTS Quantity Units SUnit Total Total Production Costs Seed Young Citrus Trees 150 Tree \$15:00 \$2:25:00 \$2:25:00 \$30:000.00 Tree WrapUmwrap 150 Tree \$2:00 \$30:000.00 \$30:000.00 Foliar 2n 067 Pound \$15:50 \$2:24:0 \$30:000.00 \$2:04:00 Foliar 2n 067 Pound \$15:50 \$2:04:6 \$2:04:60 Hetroide Sinzaine 4L 1.25 Gallon \$38:00 \$47:50.00 Krown 180 DF 3 Pound \$17:68 \$5:20.45 \$12:50:00 Insacticide 20 Pint \$6:25 \$12:50:00 \$16:13 \$16:12.50 Miscellancove 10 Ounce \$3:28 \$3:28:00 \$3:00:00 \$10:00:00 \$16:00:00 \$10:00:00 \$16:00:00 \$10:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 \$16:00:00 <		Quantity	Units	\$/Unit		
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Send Layout and Plant 150 Tree \$1500 \$22,25,00,00 \$22,25,00,00,00 Tree WrapUnwrap 150 Tree \$5,000 \$750,000,00 \$300,000,00 Fertilizer Urea (46%) 0.62 CTW \$22,00 \$300,000,00 Foliar 2A 0.67 Pound \$35,50 \$21,41 \$23,40 Herbicide 333,00 \$47,50 \$4,750,00 \$4,750,00 Simazine 4L 1.25 Gallon \$33,00 \$47,50 \$4,750,00 Herbicide 37,760 \$4,750,00 \$5,04,00 \$5,04,00 \$5,04,00 Simazine 4L 1.25 Gallon \$33,00 \$47,50 \$4,750,00 Insectricide 30 0 \$17,68 \$53,04 \$5,240,00 Daniol 16 Ounce \$3,28 \$5,200 \$5,000,00 Insurance, Young citrus trees 150 Tree \$5,00 \$5,000,00 Citrus Assessment 1 Acre \$50,00 \$5,000,00 Citrus Land Prep: Level		Quantity	01110	¢/ Or int	, ota	10101
Layout and Plant 150 Tree \$5.00 \$75,000.00 Tree WrapUmwrap 150 Tree \$2.00 \$30,000.00 Fertilizer Uras (48%) 0.62 CTW \$22.10 \$31.61.81 \$1.61.82 \$23.44 Foliar 18-9-5 1.32 Gallon \$33.00 \$47.50 \$24.46 \$22.46.09 Herbicide Sinazine 4L 1.25 Gallon \$33.00 \$47.50 \$47.50.00 Krovar 180 DF 3 Pound \$52.25 \$12.500.00 \$16.13 \$1.61.33 \$3.280.86 Insecticide 0 Ounce \$3.28 \$32.21 \$3.280.86 \$3.300.00 \$5.00.00 Insurance, Young drus trees 150 Tree \$5.00 \$5.00 \$5.00.00 \$5.00.00 \$1.00.00.00 \$3.300.00 \$3.300.00 \$3.300.00 \$3.300.00 \$3.300.00 \$3.300.00 \$3.300.00 \$3.300.00 \$3.200.00 \$3.00.00 \$3.00.00 \$3.00.00 \$3.00.00 \$3.00.00 \$3.00.00 \$3.00.00 \$3.00.00 \$3.00.00						
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Fertilizer 6.61 St.6.18 St.23.44 St.24.40 St.24.40<	Layout and Plant	150	Tree	\$5.00	\$750.00	\$75,000.00
Ura (46%) 0.62 CTW \$22.10 \$16.18 \$2.34 \$2.34.4 \$2.37.60.0 \$2.3		150	Tree	\$2.00	\$300.00	\$30,000.00
Foliar 2n 0.67 Pound \$3.50 \$2.3.46 \$2.24.60 Herbicide Simazine 4L 1.25 Galon \$15.50 \$2.0.46 \$2.0.46.00 Krowar 180 DF 3 Pound \$3.80.00 \$47.50 \$4.750.00 Glyphosate 20 Pint \$6.25 \$12.500.00 \$17.68 \$5.30.4 \$5.304.00 Insecticide 20 Pint \$6.25 \$12.500.00 \$17.68 \$3.280.08 Danitol 10 Ounce \$3.28 \$3.281 \$3.280.08 \$500.00 Citrus Assessment 1 Acre \$5.00 \$5.00 \$5.00.00					• · · · · ·	• · · · · · · ·
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Krovar 180 DF 3 Pound \$17.68 \$53.04 \$5.304.00 Insecticide 20 Pint \$6.25 \$12.500 \$12,500.00 Daniel 10 Ounce \$3.28 \$32.81 \$3.280.86 Daniel 1 Acre \$5.00 \$500.00 Insurance, Young citrus trees 150 Tree \$3.28 \$33.00.00 Citrus Land Prep: Disk 1 Acre \$50.00 \$500.00 \$40.00 \$40.000 \$40.000 \$40.000 \$40.000 \$500.00 \$51.00 \$51.00 \$51.00		1.25	Collon	¢20.00	\$47.50	\$4,750,00
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Danitol 16 Ounce \$1.01 \$16.13 \$1,612.50 Miscellaneous Citrus Assessment 1 Acre \$5.00 \$5.00 \$500.00 Insurance, Young citrus trees 150 Tree \$0.22 \$33.00 \$33.00.00 Citrus Land Prep: Disk 1 Acre \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$50.00 \$50.00		10	Ounce	\$3.28	\$32.81	\$3,280,86
Miscellaneous Citrus Assessment Insurance, Young citrus trees 1 Acre \$5.00 \$5.00 \$500.00 Custom Tree \$0.22 \$33.00 \$3,300.00 Custom Tree \$0.22 \$33.00 \$3,300.00 Custom Tree \$0.22 \$33.00 \$3,500.00 Citrus Land Prep: Disk 1 Acre \$50.00 \$100.00 \$10,000.00 Sucker (Y1 1-3 Year) 1 Acre \$50.00 \$50.00 \$50.00 \$37.800.00 \$37.800.00 Citrus Land Prep: Remove Old Orchard 1 Acre \$37.80 \$37.800.00 \$37.80						
Insurance, Young citrus trees 150 Tree \$0.22 \$33.00 \$3,300.00 Custom Citrus Land Prep: Disk 1 Acre \$40.00 \$40.00 \$40.00 \$40.00<				•	•	• ,
Custom 1 Acre \$35.00 \$35.00 \$3,500.00 Citrus Land Prep: Disk 1 Acre \$\$30.00 \$\$3,500.00 \$\$3,500.00 \$\$3,500.00 \$\$10,000.00 \$\$11,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$15,000 \$\$10,000 \$\$10,000 \$\$10,000 \$\$10,000	Citrus Assessment	1	Acre	\$5.00	\$5.00	\$500.00
Citrus Land Prep: Disk 1 Acre \$35.00 \$35.00 \$36.000 Citrus Land Prep: Level 1 Acre \$50.00 \$10.000.00 \$40.000 \$40.000.00 \$10.000 \$10.	Insurance, Young citrus trees	150	Tree	\$0.22	\$33.00	\$3,300.00
Citrus Land Prep: Level 1 Acre \$40.00 \$40.00 \$40,00.00 Foliar Application 2 Acre \$50.00 \$50.00.00 \$10,000.00 Land Prep. Remove Old Orchard 1 Acre \$378.00 \$378.00 \$378.00 \$378.00.00 Citrus Land Prep. Root chisel 1 Acre \$355.00 \$378.00.00 \$378.00.00 Other Labor 6 Hour \$15.00 \$90.00.00 \$9,000.00 Other Chemicals 8 Surfactant 8.28 Pint \$7.48 \$61.89 \$6,189.30 Irrigation 1 Hour \$17.00 \$22.75.0 \$22,750.00 Machinery Labor 13.00 Hour \$17.21 \$13.77 \$1,376.80 Other Labor 0.4 Hour \$17.21 \$6.88 \$68.40 Diesel Fuel 3.66 Gallon \$3.60 \$13.18 \$1,317.60 Repairs & Maintenance 1 Acre \$2.86 \$2.26 \$3.255.70 Total Variable Costs 1	Custom					
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Land Prep. Remove Old Orchard Citrus Land Prep. Root chisel 1 Acre \$378.00 \$378.00 \$378.00 \$378.00 \$378.00 \$378.00 \$378.00 \$378.00 \$378.00 \$378.00 \$35.00.0 \$35.25.70 \$35.27.50 \$22.75.0.0 \$35.00.6 \$313.18 \$13.17.70 \$13.37.7 \$1,376.80 \$3510.684.05 \$3510.684.06 \$351						
Citrus Land Prep: Root chisel 1 Acre \$35.00 \$35.00 \$35.00 \$35.00 Other Labor Costum Soli Fert. Citrus 6 Hour \$15.00 \$90.	· · · · · · · · · · · · · · · · · · ·					
Other Labor S9,000.0 \$9,000.0 Costum Soil Fert, Citrus 6 Hour \$15.00 \$90.00 \$9,000.00 Unallocated Labor 1 Hour \$15.00 \$15.00 \$1,500.00 Other Chemicals Surfactant 8.28 Pint \$7.48 \$61.89 \$6,189.30 Irrigation Water Cost 1.56 Acre/Foot \$28.82 \$44.96 \$4,496.00 Irrigation Labor 13.00 Hour \$17.50 \$22,750.00 \$22,750.00 Machinery Labor 13.00 Hour \$17.21 \$13.77 \$1,376.80 Other Labor 0.4 Hour \$17.21 \$6.88 \$688.40 Diesel Fuel Tractors/Self-Propelled 3.66 Gallon \$3.60 \$13.18 \$1,317.60 Repairs & Maintenance 1 Acre \$8.79 \$88.79 \$87.51 Implements 1 Acre \$2.86 \$28.65 \$28.65 \$28.65 \$28.67.00 Fixed Costs ractors/Self-Propelled 1	•					
Costum Soil Fert. Citrus 6 Hour \$15.00 \$90.00 \$90.00 Unallocated Labor 1 Hour \$15.00 <		1	Acre	\$35.00	\$35.00	\$3,500.00
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Other Chemicals Surfactant 8.28 Pint \$7.48 \$61.89 \$6,189.30 Irrigation Water Cost 1.56 Acre/Foot \$28.82 \$44.96 \$4,496.00 Irrigation Labor 13.00 Hour \$17.50 \$227.50 \$22,750.00 Machinery Labor 13.00 Hour \$17.21 \$13.77 \$1,376.80 Other Labor 0.4 Hour \$17.21 \$6.88 \$688.40 Diesel Fuel Tractors/Self-Propelled 3.66 Gallon \$3.60 \$13.18 \$1,317.60 Repairs & Maintenance Tractors/Self-Propelled 1 Acre \$8.79 \$878.51 Implements 1 Acre \$2.86 \$2.285.70 \$332.56 \$332.55.70 Total Variable Costs n/a Enterprise \$510.684.06) \$510.684.06) \$510.684.06) Planned Returns Above Variable Costs: n/a Enterprise \$10.84 \$510.684.06) \$510.684.06) Implements 1 Acre \$3.05 \$3.05 \$3.05						
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Irrigation Labor 13.00 Hour \$17.50 \$227.50 \$227,50.00 Machinery Labor Tractors/Self-Propelled 0.8 Hour \$17.21 \$13.77 \$1,376.80 Other Labor 0.4 Hour \$17.21 \$6.88 \$688.40 Diesel Fuel Tractors/Self-Propelled 3.66 Gallon \$3.60 \$13.18 \$1,317.60 Repairs & Maintenance Tractors/Self-Propelled 1 Acre \$8.79 \$8.79 \$878.51 Implements 1 Acre \$8.60 \$332.256 \$333.257.70 Total Variable Costs \$5,106.84 \$510,684.06 \$332.256 \$332.256.70 Planned Returns Above Variable Costs: n/a Enterprise \$10,684.06 \$510,684.06 Planned Returns Above Variable Costs: n/a Enterprise \$510,684.4 \$510,684.06 Planned Returns Above Variable Costs n/a Enterprise \$5,106.84 \$510,684.06 Machinery Depreciation 1 Acre \$9.08 \$9.08 \$907.80 Implements<		1.56	Acre/Foot	\$28.82	\$44.96	\$4.496.00
Tractors/Self-Propelled 0.8 Hour \$17.21 \$13.77 \$1,376.80 Other Labor 0.4 Hour \$17.21 \$6.88 \$688.40 Diesel Fuel Tractors/Self-Propelled 3.66 Gallon \$3.60 \$13.18 \$1,317.60 Repairs & Maintenance Tractors/Self-Propelled 1 Acre \$8.79 \$8.79 \$878.51 Implements 1 Acre \$2.86 \$2.26 \$225.70 Total Variable Costs 8.50% \$\$33,255 \$\$510.684 \$\$510.684.06 Planned Returns Above Variable Costs: n/a Enterprise FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation 1 Acre \$9.08 \$907.80 Implements 1 Acre \$3.05 \$33.05 \$304.75 Equipment Investment Tractors/Self-Propelled 1 Acre \$3.05 \$304.75 Equipments \$13.04 Dollars 8.50% \$1.11 \$110.21 Implements<						
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Tractors/Self-Propelled 3.66 Gallon \$3.60 \$13.18 \$1,317.60 Repairs & Maintenance Tractors/Self-Propelled 1 Acre \$8.79 \$878.51 Implements 1 Acre \$8.79 \$878.51 \$2.86 \$2.86 \$2.85.70 Interest on Credit Line 8.50% \$332.56 \$333.255.70 \$510.684.06 \$510.684.06 Planned Returns Above Variable Costs: state \$510.684.06 \$510.684.06 \$510.684.06 Planned Returns Above Variable Costs: n/a Enterprise \$5.106.84 \$510.684.06 Planned Returns Above Variable Costs: n/a Enterprise \$5.10.684.06 \$50.684.06 Planned Returns Above Variable Costs: n/a Enterprise \$5.10.684.06 \$510.684.06 Machinery Depreciation Tractors/Self-Propelled 1 Acre \$3.05 \$3.05 \$3.04.75 Equipment Investment Tractors/Self-Propelled \$70.72 Dollars \$5.0% \$1.11 \$110.81 Land Cost, Orchard 1 Acre \$100.00 \$10,000.00 \$110,000.00 Total Fixed Costs \$5.226.0	Other Labor	0.4	Hour	\$17.21	\$6.88	\$688.40
Repairs & Maintenance Tractors/Self-Propelled 1 Acre \$8.79 \$8.79 \$878.51 Implements 1 Acre \$2.86 \$2.86 \$285.70 Interest on Credit Line 8.50% \$332.56 \$332.55.70 Total Variable Costs 8.50% \$5106.84 \$510,684.06 Planned Returns Above Variable Costs: n/a Enterprise FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation Tractors/Self-Propelled 1 Acre \$9.08 \$907.80 Implements 1 Acre \$3.05 \$3.05 \$3.04.75 Equipment Investment 1 Acre \$9.08 \$907.80 Tractors/Self-Propelled \$70.72 Dollars 8.50% \$1.11 \$110.81 Land Cost, Orchard 1 Acre \$100.00 \$10,000.00 \$10,000.00 Total Fixed Costs \$5.226.09 \$522,608.54 \$522,608.54 \$522,608.54						
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Implements 1 Acre \$2.86 \$2.86 \$2.86 \$2.87.0 Interest on Credit Line 8.50% \$332.56 \$33,257.0 \$510,684.06 <td>•</td> <td></td> <td></td> <td></td> <td>·</td> <td>•</td>	•				·	•
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Total Specified Costs \$5,226.09 \$522,608.54 Returns Above Specified Costs (\$5,226.09) (\$522,608.54)	Land Cost, Orchard	1	Acre	\$100.00	\$100.00	\$10,000.00
Returns Above Specified Costs (\$5,226.09) (\$522,608.54)	Total Fixed Costs			_	\$119.24	\$11,924.48
	Total Specified Costs			-	\$5,226.09	\$522,608.54
Breakeven Price to Cover Total Costs n/a	Returns Above Specified Costs			=	(\$5,226.09)	(\$522,608.54)
	Breakeven Price to Cover Total Costs			n/a		

Developed by Manuel Garcia, Assistant Professor and Extension Specialist, Texas A&M AgriLife Extension, 956-968-5581 0

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.