Projections for Planning Purposes Only – Not to be Used without Updating 2020 Estimated Costs and Returns per Acre Grapefruit, Year 8, Orchard Establishment, Flood Irrigated, Rio Grande Valley South Extension District - 12

REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Grapefruit (Rio Red)	20.00	Ton	\$230.00	\$4,600.00	\$460,000.0
Total Revenue				\$4,600.00	\$460,000.0
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs	Quantity	Units	¢/01iit	Total	Total
Fertilizer					
Urea (46%)	2.5	CTW	\$21.80	\$54.50	\$5,450.0
Foliar N (Urea)	5	Pound	\$0.61	\$3.05	\$305.0
Foliar 3-18-18	1	Gallon	\$22.00	\$22.00	\$2,200.0
Foliar Zn Foliar 11-8-5	2	Pound Gallon	\$0.80 \$15.50	\$1.60 \$31.00	\$160.0 \$3,100.0
Custom	2	Gallon	φ10.00	φ01.00	φ0,100.0
Topping and Hedging	1	Acre	\$120.00	\$120.00	\$12,000.0
Foliar Aplication	7	Acre	\$42.00	\$294.00	\$29,400.0
Miscellaneous					
Citrus Assessment	1	Acre	\$45.00	\$45.00	\$4,500.0
Insurance, Grapefruit	1	Acre	\$30.00	\$30.00	\$3,000.0
Insecticide	8	Pound	£17.90	\$142.12	614 212 0
Vendex Agri-Mek SC	0.32	Gallon	\$17.89 \$499.91	\$143.12 \$159.97	\$14,312.0 \$15,997.0
Movento	30	Ounce	\$7.25	\$217.50	\$21,750.0
Micromite	18.8	Ounce	\$3.88	\$72.94	\$7,294.4
Actara	11	Ounce	\$2.35	\$25.85	\$2,585.0
Sivanto	10	Ounce	\$2.30	\$23.00	\$2,300.0
Esteem	10	Ounce	\$4.70	\$47.00	\$4,700.0
Danitol	16	Ounce	\$1.58	\$25.28	\$2,528.0
Admire Pro	0.44	Pint	\$27.74	\$12.20	\$1,220.4
Herbicide					
Simazine 4L	1.25	Gallon	\$21.46	\$26.83	\$2,682.6
Krovar I 80 DF	3	Pound	\$15.65	\$46.96	\$4,696.1
Roundup/Glyphosate	3.4	Gallon	\$20.00	\$68.00	\$6,800.0
Other Chemicals Surfactant - Citrus	7.00	Pint	* 0.00	* CO 04	#C 204 0
	7.98	Pint	\$8.00	\$63.84	\$6,384.0
Other Labor Costum Soil Fert. Citrus	6	Hour	\$12.00	\$72.00	\$7,200.0
Unallocated Labor	1	Hour	\$12.00	\$12.00	\$1,200.0
Seed		rioui	φ12.00	φ12.00	ψ1,200.0
Young Citrus Trees	3	Tree	\$10.00	\$30.00	\$3,000.0
Layout and Plant	3	Tree	\$5.00	\$15.00	\$1,500.0
Removal Citrus	3	Tree	\$25.00	\$75.00	\$7,500.0
Treatment Removed citrus	3	Tree	\$5.00	\$15.00	\$1,500.0
Tree Wrap/Unwrap	3	Tree	\$2.00	\$6.00	\$600.0
Fungicides					
Quadris Top	10	Ounce	\$1.50	\$15.00	\$1,500.0
GEM	3.8	Ounce	\$4.88	\$18.54	\$1,854.4
Headline	24	Ounce	\$2.66	\$63.84	\$6,384.0
Pristine	16	Ounce	\$4.88	\$78.08	\$7,808.0
Irrigation Water Cost	4.00	Acre/Foot	\$20.00	\$80.00	\$8,000.0
Irrigation Labor	14.00	Hour	\$12.00	\$168.00	\$16,800.0
Machinery Labor	1.00		Q.2.00	¢100.00	¢10,000.0
Tractors/Self-Propelled	0.8	Hour	\$12.00	\$9.60	\$960.0
Other Labor	0.4	Hour	\$12.00	\$4.80	\$480.0
Diesel Fuel					
Tractors/Self-Propelled	3.66	Gallon	\$2.30	\$8.42	\$841.8
Repairs & Maintenance				A	.
Tractors/Self-Propelled	1	Acre	\$8.43	\$8.43	\$842.8
Implements	1	Acre	\$2.86	\$2.86	\$285.8
Interest on Credit Line			5.00%	\$59.37	\$5,937.0
Fotal Variable Costs			-	\$2,275.59	\$227,558.5
Planned Returns Above Variable Costs:			¢112.70 T	\$2,324.41	\$232,441.4
Breakeven Price to Cover Variable Costs			\$113.78 T	on	Enterprise
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Machinery Depreciation	Leanny				. 500
Tractors/Self-Propelled	1	Acre	\$8.71	\$8.71	\$870.9
Implements	1	Acre	\$3.06	\$3.06	\$305.5
Equipment Investment					
Tractors/Self-Propelled	\$67.85	Dollars	7.00%	\$4.75	\$474.9
Implements	\$13.07	Dollars	7.00%	\$0.92	\$91.5
Allocated Establishment Cost	1	Acre	\$120.66	\$120.66	\$12,065.5
Land Cost, Orchard	1	Acre	\$100.00	\$100.00	\$10,000.0
Total Fixed Costs			_	\$238.09	\$23,808.5
Total Specified Costs			-	\$2,513.67	\$251,367.1
Returns Above Specified Costs				\$2,086.33	\$208,632.8
Prockeyon Bring to Cover Total Costs			\$105 C0 T	~	
Breakeven Price to Cover Total Costs			\$125.68 T	on	

		Examp	Example Breakeven Prices			
Example	Example	To Cover	To Cover			
Yield	Yield	Variable	Total			
Percent	Ton	Costs	Costs			
75%	15.00	\$151.71	\$167.58			
90%	18.00	\$126.42	\$139.65			
100%	20.00	\$113.78	\$125.68			
110%	22.00	\$103.44	\$114.26			
125%	25.00	\$91.02	\$100.55			

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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.