

Table 20.A Estimated costs and returns per acre  
 Grapefruit; Year 3 Orchard Establishment, Flood Irr.  
 Projected for 2003, Rio Grande Valley, For Planning Purpose

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grapefruit (Rio Red)	tons	88.88	3.0000	266.64	_____
TOTAL INCOME				266.64	_____
DIRECT EXPENSES					
FERTILIZER					
Amm Sulfate (21% N)	cwt	11.11	3.4200	37.99	_____
HERBICIDE					
Simizine 90DF	gallon	2.80	5.0000	14.00	_____
Krovar I 80 DF	lb	11.00	3.0000	33.00	_____
INSECTICIDE/MITICIDE					
Vydate	gal	60.00	0.0625	3.75	_____
Vendex	lb	23.00	6.0000	138.00	_____
Citrus Oil	gal	2.50	5.0000	12.50	_____
Agri-Mek	gal	650.00	0.0540	35.10	_____
IRRIGATION SUPPLIES					
Irrigation Water	ac-ft	16.23	1.2000	19.47	_____
ADJUVANT					
Surfactant	pt	0.88	2.0000	1.76	_____
CUSTOM ORCHD. SPRAY					
Lorsban 4E	pt	5.57	8.0000	44.56	_____
INSURANCE					
Grapefruit, Year 3	acre	92.00	1.0000	92.00	_____
CUSTOM ORCHARD OPS.					
Custom Fert. Citrus	acre	4.00	2.0000	8.00	_____
Custom Orchard Spray	acre	35.00	4.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	8.31	0.1220	1.01	_____
HAND LABOR					
Implements	hour	6.91	0.0610	0.42	_____
IRRIGATION LABOR					
Labor (Flood)	hour	6.91	3.0000	20.73	_____
UNALLOCATED LABOR	hour	8.31	0.0122	0.10	_____
DIESEL FUEL					
Tractors	gal	1.12	0.9419	1.05	_____
REPAIR & MAINTENANCE					
Implements	acre	0.27	1.0000	0.27	_____
Tractors	acre	0.64	1.0000	0.64	_____
INTEREST ON OP. CAP.	acre	43.94	1.0000	43.94	_____
TOTAL DIRECT EXPENSES				648.33	_____
RETURNS ABOVE DIRECT EXPENSES				-381.69	_____
FIXED EXPENSES					
Implements	acre	0.41	1.0000	0.41	_____
Tractors	acre	2.05	1.0000	2.05	_____
Permanent Valve Irr.	acre	45.00	1.0000	45.00	_____
Year 1 Est. Costs	acre	209.04	1.0000	209.04	_____
TOTAL FIXED EXPENSES				256.50	_____
TOTAL SPECIFIED EXPENSES				904.84	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-638.20	_____
ALLOCATED COST ITEMS					
Land Cost, Orchard	acre	150.00	1.0000	150.00	_____
RESIDUAL RETURNS				-788.20	_____

Brand names are mentioned only as examples and imply no endorsement.

*Projections for Planning Purposes Only  
Not to be Used without Updating after February 15, 2003*

B-1241 (C12)

Table 20.B Estimated resource use and costs for field operations, per acre  
Grapefruit; Year 3 Orchard Establishment, Flood Irr.  
Projected for 2003, Rio Grande Valley, For Planning Purposes Only

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Year 1 Est. Costs	acre			1.00	Jan				209.04			1.0000			209.04	
Permanent Valve Irr.	acre			1.00	Jan				45.00			1.0000			45.00	
Custom Fert. Citrus	acre			1.00	Mar							1.0000	4.00	4.00	4.00	
Amm Sulfate (21% N)	cwt											1.7100	11.11	18.99	18.99	
Spray (Broadcast)	27'	150 hp	0.061	1.00	Mar	0.85	1.02	0.13	0.20	0.091	0.71				2.94	
Simazine 90DF	gallon											5.0000	2.80	14.00	14.00	
Grapefruit, Year 3	acre			1.00	Mar							1.0000	92.00	92.00	92.00	
Custom Orchard Spray	acre			1.00	Apr							1.0000	35.00	35.00	35.00	
Vydate	gal											0.0625	60.00	3.75	3.75	
Vendex	lb											2.0000	23.00	46.00	46.00	
Surfactant	pt											1.0000	0.88	0.88	0.88	
Labor (Flood)	hour			1.00	Apr					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
Custom Orchard Spray	acre			1.00	May							1.0000	35.00	35.00	35.00	
Vendex	lb											2.0000	23.00	46.00	46.00	
Lorsban 4E	pt											4.0000	5.57	22.28	22.28	
Custom Orchard Spray	acre			1.00	Jul							1.0000	35.00	35.00	35.00	
Citrus Oil	gal											5.0000	2.50	12.50	12.50	
Agri-Mek	gal											0.0540	650.00	35.10	35.10	
Spray (Broadcast)	27'	150 hp	0.061	1.00	Jul	0.85	1.02	0.13	0.20	0.091	0.71				2.94	
Krovar I 80 DF	lb											3.0000	11.00	33.00	33.00	
Labor (Flood)	hour			1.00	Jul					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
Custom Fert. Citrus	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Amm Sulfate (21% N)	cwt											1.7100	11.11	18.99	18.99	
Labor (Flood)	hour			1.00	Sep					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
Custom Orchard Spray	acre			1.00	Sep							1.0000	35.00	35.00	35.00	
Vendex	lb											2.0000	23.00	46.00	46.00	
Lorsban 4E	pt											4.0000	5.57	22.28	22.28	
Surfactant	pt											1.0000	0.88	0.88	0.88	
Pick/Pack/Ship	crtn			1.00	Dec							150.0000				
TOTALS							1.70	2.05	0.27	254.45	3.183	22.16			580.14	860.79
INTEREST ON OPERATING CAPITAL																43.94
UNALLOCATED LABOR																0.10
TOTAL SPECIFIED COST																904.84

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