

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

Table 18.A Estimated costs and returns per acre  
Grapefruit; Year 1 Orchard Establishment, Flood Irr.  
Current Projected Costs, Rio Grande Valley, For Planning Pu

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME				-----	
TOTAL INCOME				0.00	_____
DIRECT EXPENSES					
FERTILIZER					
Amm Sulfate (21% N)	cwt	11.11	0.5720	6.35	_____
HERBICIDE					
Simizine 90DF	gallon	2.80	5.0000	14.00	_____
Krovar I 80 DF	lb	11.00	3.0000	33.00	_____
IRRIGATION SUPPLIES					
Irrigation Water	ac-ft	16.23	2.4000	38.95	_____
INSURANCE					
Grapefruit, Year 1	acre	40.00	1.0000	40.00	_____
CUSTOM ORCHARD OPS.					
Land prep and level	acre	150.00	1.0000	150.00	_____
Young citrus trees	tree	4.00	140.0000	560.00	_____
Layout/Plant	tree	1.25	140.0000	175.00	_____
Custom Fert. Citrus	acre	4.00	3.0000	12.00	_____
Tree Wrap/Unwrap	tree	1.00	140.0000	140.00	_____
ORCHARD SUPPLIES					
Tree Wraps	tree	1.00	140.0000	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	6.0000	41.46	_____
UNALLOCATED LABOR					
Tractors	hour	8.31	0.0122	0.10	_____
DIESEL FUEL					
Tractors	gal	1.06	0.9419	0.99	_____
REPAIR & MAINTENANCE					
Implements	acre	0.27	1.0000	0.27	_____
Tractors	acre	0.64	1.0000	0.64	_____
INTEREST ON OP. CAP.	acre	119.20	1.0000	119.20	_____
TOTAL DIRECT EXPENSES				1473.43	_____
RETURNS ABOVE DIRECT EXPENSES				-1473.43	_____
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	_____
TOTAL FIXED EXPENSES				47.46	_____
TOTAL SPECIFIED EXPENSES				1520.89	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-1520.89	_____
ALLOCATED COST ITEMS					
Land Cost, Orchard	acre	150.00	1.0000	150.00	_____
RESIDUAL RETURNS				-1670.89	_____

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

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Table 18.B Estimated resource use and costs for field operations, per acre  
Grapefruit; Year 1 Orchard Establishment, Flood Irr.  
Current Projected Costs, 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-----				
Permanent Valve Irr.	acre			1.00	Jan				45.00			1.0000			45.00	
Land prep and level	acre											1.0000	150.00	150.00	150.00	
Young citrus trees	tree			1.00	Feb							140.0000	4.00	560.00	560.00	
Layout/Plant	tree											140.0000	1.25	175.00	175.00	
Custom Fert. Citrus	acre			1.00	Feb							1.0000	4.00	4.00	4.00	
Amm Sulfate (21% N)	cwt											0.2860	11.11	3.17	3.17	
Labor (Flood)	hour			1.00	Feb					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
Labor (Flood)	hour			1.00	Mar					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
Spray (Broadcast)	27'	150 hp	0.061	1.00	Mar	0.82	1.02	0.13	0.20	0.091	0.71				2.91	
Simizine 90DF	gallon											5.0000	2.80	14.00	14.00	
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	
Grapefruit, Year 1	acre			1.00	Apr							1.0000	40.00	40.00	40.00	
Custom Fert. Citrus	acre			1.00	May							1.0000	4.00	4.00	4.00	
Amm Sulfate (21% N)	cwt												11.11			
Labor (Flood)	hour			1.00	Jun					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
Spray (Broadcast)	27'	150 hp	0.061	1.00	Jul	0.82	1.02	0.13	0.20	0.091	0.71				2.91	
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											0.2860	11.11	3.17	3.17	
Tree Wrap/Unwrap	tree			1.00	Nov							140.0000	1.00	140.00	140.00	
Tree Wraps	tree											140.0000	1.00	140.00	140.00	
Labor (Flood)	hour			1.00	Nov					1.000	6.91	1.0000			6.91	
Irrigation Water	ac-ft											0.4000	16.23	6.49	6.49	
TOTALS							1.64	2.05	0.27	45.41	6.183	42.89			1309.30	1401.59
INTEREST ON OPERATING CAPITAL																119.20
UNALLOCATED LABOR																0.10
TOTAL SPECIFIED COST																1520.89

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