

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	36.00	0.5720	20.59	_____
HERBICIDE					
Simizine 90DF	gallon	3.58	5.0000	17.90	_____
Krovar I 80 DF	lb	14.08	3.0000	42.24	_____
IRRIGATION SUPPLIES					
Irrigation Water	ac-ft	20.00	2.4000	48.00	_____
INSURANCE					
Grapefruit, Year 1	acre	40.00	1.0000	40.00	_____
CUSTOM ORCHARD OPS.					
Land prep and level	acre	165.00	1.0000	165.00	_____
Young citrus trees	tree	4.40	140.0000	616.00	_____
Layout/Plant	tree	1.38	140.0000	193.20	_____
Custom Fert. Citrus	acre	4.40	3.0000	13.20	_____
Tree Wrap/Unwrap	tree	1.10	140.0000	154.00	_____
ORCHARD SUPPLIES					
Tree Wraps	tree	1.10	140.0000	154.00	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1220	0.91	_____
HAND LABOR					
Implements	hour	7.50	0.0610	0.45	_____
IRRIGATION LABOR					
Labor (Flood)	hour	7.50	6.0000	45.00	_____
UNALLOCATED LABOR	hour	7.50	0.0122	0.09	_____
DIESEL FUEL					
Tractors	gal	2.80	0.9419	2.63	_____
REPAIR & MAINTENANCE					
Implements	acre	0.27	1.0000	0.27	_____
Tractors	acre	0.64	1.0000	0.64	_____
INTEREST ON OP. CAP.	acre	99.73	1.0000	99.73	_____
TOTAL DIRECT EXPENSES				1613.89	_____
RETURNS ABOVE DIRECT EXPENSES				-1613.89	_____
FIXED EXPENSES					
Implements	acre	0.40	1.0000	0.40	_____
Tractors	acre	1.94	1.0000	1.94	_____
Permanent Valve Irr.	acre	45.00	1.0000	45.00	_____
TOTAL FIXED EXPENSES				47.34	_____
TOTAL SPECIFIED EXPENSES				1661.23	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-1661.23	_____
ALLOCATED COST ITEMS					
Land Cost, Orchard	acre	150.00	1.0000	150.00	_____
RESIDUAL RETURNS				-1811.23	_____

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

Projections for Planning Purposes Only
 Not to be Used without Updating after January 1, 2009

B-1241 (C12)

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 TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	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	165.00	165.00	165.00
Young citrus trees	tree			1.00	Feb							140.0000	4.40	616.00	616.00
Layout/Plant	tree											140.0000	1.38	193.20	193.20
Custom Fert. Citrus	acre			1.00	Feb							1.0000	4.40	4.40	4.40
Amm Sulfate (21% N)	cwt											0.2860	36.00	10.29	10.29
Labor (Flood)	hour			1.00	Feb					1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
Labor (Flood)	hour			1.00	Mar					1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
Spray (Broadcast)	27'	150 hp	0.061	1.00	Mar	1.64	0.97	0.13	0.20	0.091	0.68				3.63
Simazine 90DF	gallon											5.0000	3.58	17.90	17.90
Labor (Flood)	hour			1.00	Apr					1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
Grapefruit, Year 1	acre			1.00	Apr							1.0000	40.00	40.00	40.00
Custom Fert. Citrus	acre			1.00	May							1.0000	4.40	4.40	4.40
Amm Sulfate (21% N)	cwt												36.00		
Labor (Flood)	hour			1.00	Jun					1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
Spray (Broadcast)	27'	150 hp	0.061	1.00	Jul	1.64	0.97	0.13	0.20	0.091	0.68				3.63
Krovar I 80 DF	lb											3.0000	14.08	42.24	42.24
Labor (Flood)	hour			1.00	Jul					1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
Custom Fert. Citrus	acre			1.00	Aug							1.0000	4.40	4.40	4.40
Amm Sulfate (21% N)	cwt											0.2860	36.00	10.29	10.29
Tree Wrap/Unwrap	tree			1.00	Nov							140.0000	1.10	154.00	154.00
Tree Wraps	tree											140.0000	1.10	154.00	154.00
Labor (Flood)	hour			1.00	Nov					1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
TOTALS						3.28	1.94	0.27	45.40	6.183	46.37			1464.13	1561.40
INTEREST ON OPERATING CAPITAL															99.73
UNALLOCATED LABOR															0.09
TOTAL SPECIFIED COST															1661.23

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