

Table 19.A Estimated costs and returns per acre  
 Grapefruit; Year 2 Orchard Establishment, Flood Irr.  
 Projected for 2005, Rio Grande Valley, For Planning Purpose

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grapefruit (Rio Red)	tons	88.88	0.2000	17.77	_____
				-----	
TOTAL INCOME				17.77	_____
DIRECT EXPENSES					
FERTILIZER					
Amm Sulfate (21% N)	cwt	13.30	3.4200	45.48	_____
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 2	acre	70.00	1.0000	70.00	_____
CUSTOM ORCHARD OPS.					
Tree Replacement	tree	8.00	1.0000	8.00	_____
Custom Fert. Citrus	acre	4.00	2.0000	8.00	_____
Custom Orchard Spray	acre	35.00	4.0000	140.00	_____
OPERATOR LABOR					
Tractors	hour	6.50	0.1220	0.79	_____
HAND LABOR					
Implements	hour	7.50	0.0610	0.45	_____
IRRIGATION LABOR					
Labor (Flood)	hour	6.50	3.0000	19.50	_____
UNALLOCATED LABOR	hour	6.50	0.0122	0.07	_____
DIESEL FUEL					
Tractors	gal	1.73	0.9419	1.62	_____
REPAIR & MAINTENANCE					
Implements	acre	0.27	1.0000	0.27	_____
Tractors	acre	0.64	1.0000	0.64	_____
INTEREST ON OP. CAP.	acre	32.35	1.0000	32.35	_____
				-----	
TOTAL DIRECT EXPENSES				629.37	_____
RETURNS ABOVE DIRECT EXPENSES				-611.59	_____
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	_____
Year 1 Est. Costs	acre	209.04	1.0000	209.04	_____
				-----	
TOTAL FIXED EXPENSES				256.38	_____
				-----	
TOTAL SPECIFIED EXPENSES				885.75	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-867.97	_____
ALLOCATED COST ITEMS					
Land Cost, Orchard	acre	150.00	1.0000	150.00	_____
RESIDUAL RETURNS				-1017.97	_____

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

Projections for Planning Purposes Only  
Not to be Used without Updating after October 15, 2004

B-1241 (C12)

Table 19.B Estimated resource use and costs for field operations, per acre  
Grapefruit; Year 2 Orchard Establishment, Flood Irr.  
Projected for 2005, 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-----															
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
Tree Replacement	tree		1.00	Feb								1.0000	8.00	8.00	8.00
Custom Fert. Citrus	acre		1.00	Mar								1.0000	4.00	4.00	4.00
Amm Sulfate (21% N)	cwt											1.7100	13.30	22.74	22.74
Spray (Broadcast)	27'	150 hp	0.061	1.00	Mar	1.13	0.97	0.13	0.20	0.091	0.62				3.07
Simizine 90DF	gallon											5.0000	2.80	14.00	14.00
Grapefruit, Year 2	acre		1.00	Mar								1.0000	70.00	70.00	70.00
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	6.50	1.0000			6.50
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	1.13	0.97	0.13	0.20	0.091	0.62				3.07
Krovar I 80 DF	lb											3.0000	11.00	33.00	33.00
Labor (Flood)	hour		1.00	Jul						1.000	6.50	1.0000			6.50
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	13.30	22.74	22.74
Labor (Flood)	hour		1.00	Sep						1.000	6.50	1.0000			6.50
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								10.0000			
TOTALS						2.27	1.94	0.27	254.44	3.183	20.75			573.63	853.31
INTEREST ON OPERATING CAPITAL															32.35
UNALLOCATED LABOR															0.07
TOTAL SPECIFIED COST															885.75

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