

Table 22.A Estimated costs and returns per acre  
Grapefruit; Year 5 Orchard Development, Flood Irr.  
Projected for 2011, Rio Grande Valley, For Planning Purpose

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grapefruit (Rio Red)	tons	100.00	9.0000	900.00	_____
				-----	
TOTAL INCOME				900.00	_____
DIRECT EXPENSES					
FERTILIZER					
Amm Sulfate (21% N)	cwt	16.00	7.1400	114.24	_____
HERBICIDE					
Simazine 90DF	gallon	20.47	5.0000	102.35	_____
Krovar I 80 DF	lb	18.00	3.0000	54.00	_____
INSECTICIDE/MITICIDE					
Vydate	gal	88.32	0.0625	5.52	_____
Vendex	lb	30.91	6.0000	185.46	_____
Citrus Oil	gal	3.36	5.0000	16.80	_____
Agri-Mek	gal	873.60	0.0540	47.17	_____
IRRIGATION SUPPLIES					
Irrigation Water	ac-ft	20.00	1.2000	24.00	_____
ADJUVANT					
Surfactant	pt	1.21	2.0000	2.42	_____
CUSTOM ORCHD. SPRAY					
Lorsban 4E	pt	4.19	8.0000	33.52	_____
INSURANCE					
Established Grapefrt	acre	115.00	1.0000	115.00	_____
CUSTOM ORCHARD OPS.					
Custom Fert. Citrus	acre	4.40	2.0000	8.80	_____
Custom Orchard Spray	acre	38.50	4.0000	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	3.0000	22.50	_____
UNALLOCATED LABOR					
	hour	7.50	0.0122	0.09	_____
DIESEL FUEL					
Tractors	gal	2.50	0.9419	2.35	_____
REPAIR & MAINTENANCE					
Implements	acre	0.27	1.0000	0.27	_____
Tractors	acre	0.64	1.0000	0.64	_____
INTEREST ON OP. CAP.	acre	51.01	1.0000	51.01	_____
				-----	
TOTAL DIRECT EXPENSES				941.54	_____
RETURNS ABOVE DIRECT EXPENSES				-41.54	_____
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				1197.92	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-297.92	_____
ALLOCATED COST ITEMS					
Land Cost, Orchard	acre	150.00	1.0000	150.00	_____
RESIDUAL RETURNS				-447.92	_____

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, 2011

B-1241 (C12)

Table 22.B Estimated resource use and costs for field operations, per acre  
 Grapefruit; Year 5 Orchard Development, Flood Irr.  
 Projected for 2011, 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-----			
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	Feb								1.0000	4.40	4.40	4.40
Amm Sulfate (21% N)	cwt											3.5700	16.00	57.12	57.12
Spray (Broadcast)	27'	150 hp	0.061	1.00	Mar	1.50	0.97	0.13	0.20	0.091	0.68				3.49
Simizine 90DF	gallon											5.0000	20.47	102.35	102.35
Established Grapefrt	acre		1.00	Mar								1.0000	115.00	115.00	115.00
Custom Orchard Spray	acre		1.00	Apr								1.0000	38.50	38.50	38.50
Vydate	gal											0.0625	88.32	5.52	5.52
Vendex	lb											2.0000	30.91	61.82	61.82
Surfactant	pt											1.0000	1.21	1.21	1.21
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
Custom Orchard Spray	acre		1.00	May								1.0000	38.50	38.50	38.50
Vendex	lb											2.0000	30.91	61.82	61.82
Lorsban 4E	pt											4.0000	4.19	16.76	16.76
Custom Orchard Spray	acre		1.00	Jul								1.0000	38.50	38.50	38.50
Citrus Oil	gal											5.0000	3.36	16.80	16.80
Agri-Mek	gal											0.0540	873.60	47.17	47.17
Spray (Broadcast)	27'	150 hp	0.061	1.00	Jul	1.50	0.97	0.13	0.20	0.091	0.68				3.49
Krovar I 80 DF	lb											3.0000	18.00	54.00	54.00
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											3.5700	16.00	57.12	57.12
Labor (Flood)	hour		1.00	Sep						1.000	7.50	1.0000			7.50
Irrigation Water	ac-ft											0.4000	20.00	8.00	8.00
Custom Orchard Spray	acre		1.00	Sep								1.0000	38.50	38.50	38.50
Vendex	lb											2.0000	30.91	61.82	61.82
Lorsban 4E	pt											4.0000	4.19	16.76	16.76
Surfactant	pt											1.0000	1.21	1.21	1.21
Pick/Pack/Ship	crtm		1.00	Dec								450.0000			
TOTALS						3.00	1.94	0.27	254.44	3.183	23.87			863.28	1146.81
INTEREST ON OPERATING CAPITAL															51.01
UNALLOCATED LABOR															0.09
TOTAL SPECIFIED COST															1197.92

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