

Table 12.A Estimated costs and returns per acre  
 Cantaloupe; Plastic Mulch, Drip Irr.  
 Projected for 2005, Rio Grande Valley, For Planning Purpose

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cantaloupes	crtn	9.77	600.0000	5862.00	_____
				-----	
TOTAL INCOME				5862.00	_____
DIRECT EXPENSES					
FERTILIZER					
Phosphorus(46% P2O5)	cwt	16.63	1.5000	24.94	_____
UAN (32% N)	cwt	9.33	3.7400	34.89	_____
FUNGICIDE					
Bravo Ultrex	qt	12.50	1.0000	12.50	_____
Quadris	oz	2.29	32.0000	73.28	_____
HERBICIDE					
Prefar 4E	qt	10.00	2.7500	27.50	_____
INSECTICIDE/MITICIDE					
Admire	gal	550.00	0.1250	68.75	_____
Thiodan 3 EC	qt	9.09	1.0000	9.09	_____
IRRIGATION SUPPLIES					
DripTape (2 seasons)	feet	0.00	6550.0000	52.40	_____
Irrigation Water	ac-ft	16.23	1.1760	19.08	_____
sulfuric acid	oz	0.01	27.0000	0.40	_____
SEED/PLANTS					
Cantaloupe Seeds	lb	130.00	0.8300	107.90	_____
Cantaloupe Seedlings	thou	33.50	13.0000	435.50	_____
HORT. SUPPLIES					
Plastic Mulch, 3x4K'	roll	60.00	0.6100	36.60	_____
Bee Rental	hive	75.00	1.0000	75.00	_____
HIRED LABOR CREW					
Transplant melons	hour	3.43	8.0000	27.44	_____
Pickup plastic	hour	3.43	8.0000	27.44	_____
CUSTOM HORT. HARVEST					
Harvest Cantaloupe	crtn	1.25	600.0000	750.00	_____
Pack & Count Cantal.	crtn	2.30	600.0000	1380.00	_____
Sales Consign. Canta	crtn	0.50	600.0000	300.00	_____
OPERATOR LABOR					
Tractors	hour	6.50	1.1240	7.30	_____
HAND LABOR					
Implements	hour	7.50	0.5010	3.75	_____
IRRIGATION LABOR					
Drip Trailer System	hour	6.50	0.1960	1.27	_____
UNALLOCATED LABOR	hour	6.50	0.8992	5.84	_____
DIESEL FUEL					
Tractors	gal	1.73	8.4445	14.60	_____
Drip Trailer System	gal	1.73	117.6000	203.44	_____
REPAIR & MAINTENANCE					
Implements	acre	4.61	1.0000	4.61	_____
Tractors	acre	6.69	1.0000	6.69	_____
Drip Trailer System	hour	0.05	98.0000	4.90	_____
INTEREST ON OP. CAP.	acre	90.71	1.0000	90.71	_____
				-----	
TOTAL DIRECT EXPENSES				3805.89	_____
RETURNS ABOVE DIRECT EXPENSES				2056.10	_____
FIXED EXPENSES					
Implements	acre	9.50	1.0000	9.50	_____
Tractors	acre	19.71	1.0000	19.71	_____
Drip Trailer System	hour	1.21	98.0000	118.58	_____
				-----	
TOTAL FIXED EXPENSES				147.80	_____
				-----	
TOTAL SPECIFIED EXPENSES				3953.69	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				1908.30	_____
ALLOCATED COST ITEMS					
Cash Rent, Irr. Veg	acre	100.00	1.0000	100.00	_____
RESIDUAL RETURNS				1808.30	_____

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

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Table 12.B Estimated resource use and costs for field operations, per acre  
 Cantaloupe; Plastic Mulch, Drip Irr.  
 Projected for 2005, 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-----			
Heavy Disk	14'	150 hp	0.167	1.00	Oct	3.11	2.65	0.98	1.91	0.167	1.08				9.75
Chisel Plow	16'	130 hp	0.117	1.00	Oct	2.35	2.80	0.27	0.66	0.117	0.76				6.86
Heavy Disk	14'	150 hp	0.167	1.00	Oct	3.11	2.65	0.98	1.91	0.167	1.08				9.75
80" Row Disk	3R-80	150 hp	0.094	1.00	Oct	1.75	1.49	0.55	1.00	0.094	0.61				5.42
Order seedlings	order			1.00	Dec							1.0000			
Cantaloupe Seeds	lb											0.8300	130.00	107.90	107.90
Fert Appl (Liquid)	3R-80	150 hp	0.098	1.00	Dec	1.82	1.55	0.44	1.27	0.147	1.00				6.10
Phosphorus(46% P2O5)	cwt											1.5000	16.63	24.94	24.94
Pmlch/Driptide Layer	3R-80	130 hp	0.110	1.00	Dec	2.21	2.64	0.44	1.14	0.440	3.19				9.62
DripTape (2 seasons)	feet											6550.0000	0.00	52.40	52.40
Plastic Mulch, 3x4K'	roll											0.6100	60.00	36.60	36.60
Spray (Band)	27'	150 hp	0.061	1.00	Dec	1.13	0.97	0.13	0.20	0.091	0.62				3.07
Prefar 4E	qt											2.7500	10.00	27.50	27.50
Drip Trailer System	hour			1.00	Jan										11.72
Cantaloupe Seedlings	thou											13.0000	33.50	435.50	435.50
Transplant melons	hour											8.0000	3.43	27.44	27.44
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
Drip Trailer System	hour			1.00	Feb										11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour			1.00	Feb										11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour			1.00	Feb										11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour			1.00	Feb										11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Admire	gal											0.1250	550.00	68.75	68.75
Drip Trailer System	hour			1.00	Feb										11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01

Information presented is prepared solely as a general guide & not intended to recognize or predict the costs & returns from any one operation.  
 These projections were collected & developed by TCE staff & approved for publication.

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Drip Trailer System	hour		1.00	Feb				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Cultivate (Early)	3R-80	150 hp	0.127	1.00	Mar	2.37	2.01	0.37	0.77	0.127	0.82				6.36
Bravo Ultrex	qt											0.5000	12.50	6.25	6.25
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
UAN (32% N)	cwt											0.3400	9.33	3.17	3.17
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Spray (Band)	27'	150 hp	0.061	1.00	Mar	1.13	0.97	0.13	0.20	0.091	0.62				3.07
Bravo Ultrex	qt											0.5000	12.50	6.25	6.25
Bee Rental	hive		1.00	Mar								1.0000	75.00	75.00	75.00
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Spray (Band)	27'	150 hp	0.061	1.00	Apr	1.13	0.97	0.13	0.20	0.091	0.62				3.07
Quadris	oz											16.0000	2.29	36.64	36.64
Ambush 2E	oz											8.0000			
Drip Trailer System	hour		1.00	Apr				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr				7.44	4.23	0.007	0.04	3.5000			11.72
Irrigation Water	ac-ft											0.0420	16.23	0.68	0.68
sulfuric acid	oz											1.0000	0.01	0.01	0.01

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Drip Trailer System	hour			1.00	Apr			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Spray (Band)	27'	150 hp		0.061	1.00	Apr	1.13	0.97	0.13	0.20	0.091	0.62				3.07	
Quadris	oz											16.0000	2.29	36.64		36.64	
Thiodan 3 EC	qt											1.0000	9.09	9.09		9.09	
Drip Trailer System	hour			1.00	Apr			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Drip Trailer System	hour			1.00	Apr			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Drip Trailer System	hour			1.00	Apr			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Harvest Cantaloupe	crtn			1.00	Apr							100.0000	1.25	125.00		125.00	
Pack & Count Cantal.	crtn											100.0000	2.30	230.00		230.00	
Sales Consign. Canta	crtn											100.0000	0.50	50.00		50.00	
Drip Trailer System	hour			1.00	Apr			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Harvest Cantaloupe	crtn			1.00	May							100.0000	1.25	125.00		125.00	
Pack & Count Cantal.	crtn											100.0000	2.30	230.00		230.00	
Sales Consign. Canta	crtn											100.0000	0.50	50.00		50.00	
Drip Trailer System	hour			1.00	May			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Harvest Cantaloupe	crtn			1.00	May							150.0000	1.25	187.50		187.50	
Pack & Count Cantal.	crtn											150.0000	2.30	345.00		345.00	
Sales Consign. Canta	crtn											150.0000	0.50	75.00		75.00	
Drip Trailer System	hour			1.00	May			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Harvest Cantaloupe	crtn			1.00	May							150.0000	1.25	187.50		187.50	
Pack & Count Cantal.	crtn											150.0000	2.30	345.00		345.00	
Sales Consign. Canta	crtn											150.0000	0.50	75.00		75.00	
Drip Trailer System	hour			1.00	May			7.44	4.23	0.007	0.04	3.5000				11.72	
Irrigation Water	ac-ft											0.0420	16.23	0.68		0.68	
sulfuric acid	oz											1.0000	0.01	0.01		0.01	
Harvest Cantaloupe	crtn			1.00	May							100.0000	1.25	125.00		125.00	
Pack & Count Cantal.	crtn											100.0000	2.30	230.00		230.00	
Sales Consign. Canta	crtn											100.0000	0.50	50.00		50.00	
Pickup plastic	hour			1.00	Jun							8.0000	3.43	27.44		27.44	
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TOTALS							21.30	19.71	212.96	128.08	1.821	12.33				3462.73	3857.13
INTEREST ON OPERATING CAPITAL																	90.71
UNALLOCATED LABOR																	5.84
TOTAL SPECIFIED COST																	3953.69

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