

Table 12.A Estimated costs and returns per acre
 Cantaloupe; Plastic Mulch, Drip Irr.
 Projected for 2003, 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	13.86	1.5000	20.79	_____
UAN (32% N)	cwt	7.78	3.7400	29.09	_____
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	8.31	1.1240	9.34	_____
HAND LABOR					
Implements	hour	6.91	0.5010	3.46	_____
IRRIGATION LABOR					
Drip Trailer System	hour	6.91	0.1960	1.35	_____
UNALLOCATED LABOR					
	hour	8.31	0.8992	7.47	_____
DIESEL FUEL					
Tractors	gal	1.12	8.4445	9.45	_____
Drip Trailer System	gal	1.12	117.6000	131.71	_____
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	117.53	1.0000	117.53	_____
TOTAL DIRECT EXPENSES				3749.31	_____
RETURNS ABOVE DIRECT EXPENSES				2112.68	_____
FIXED EXPENSES					
Implements	acre	9.93	1.0000	9.93	_____
Tractors	acre	20.88	1.0000	20.88	_____
Drip Trailer System	hour	1.21	98.0000	118.58	_____
TOTAL FIXED EXPENSES				149.39	_____
TOTAL SPECIFIED EXPENSES				3898.71	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				1963.28	_____
ALLOCATED COST ITEMS					
Cash Rent, Irr. Veg	acre	100.00	1.0000	100.00	_____
RESIDUAL RETURNS				1863.28	_____

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

Table 12.B Estimated resource use and costs for field operations, per acre
 Cantaloupe; Plastic Mulch, Drip Irr.
 Projected for 2003, Rio Grande Valley, For Planning Purposes Only

INPUT OPERATION/ ----- OPERATING INPUT COST	SIZE/ TOTAL UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE
-----dollars-----						-----dollars-----						dollars	
Heavy Disk 9.51	14'	150 hp	0.167	1.00	Oct	2.33	2.80	0.98	2.00	0.167	1.38		
Chisel Plow 6.81	16'	130 hp	0.117	1.00	Oct	1.87	2.99	0.27	0.70	0.117	0.97		
Heavy Disk 9.51	14'	150 hp	0.167	1.00	Oct	2.33	2.80	0.98	2.00	0.167	1.38		
80" Row Disk 5.27	3R-80	150 hp	0.094	1.00	Oct	1.31	1.58	0.55	1.04	0.094	0.78		
Order seedlings	order			1.00	Dec							1.0000	
Cantaloupe Seeds 107.90 107.90	lb											0.8300	130.00
Fert Appl (Liquid) 5.93	3R-80	150 hp	0.098	1.00	Dec	1.36	1.64	0.44	1.32	0.147	1.15		
Phosphorus(46% P2O5) cwt 20.79 20.79												1.5000	13.86
Mulch/Driptape Layer 9.42	3R-80	130 hp	0.110	1.00	Dec	1.76	2.81	0.44	1.21	0.440	3.19		
DripTape (2 seasons) feet 52.40 52.40												6550.0000	0.00
Plastic Mulch, 3x4K' roll 36.60 36.60												0.6100	60.00
Spray (Band) 2.94	27'	150 hp	0.061	1.00	Dec	0.85	1.02	0.13	0.20	0.091	0.71		
Prefar 4E 27.50 27.50	qt											2.7500	10.00
Drip Trailer System 9.16	hour			1.00	Jan			4.87	4.23	0.007	0.04	3.5000	
Cantaloupe Seedlings thou 435.50 435.50												13.0000	33.50
Transplant melons 27.44 27.44	hour											8.0000	3.43
Irrigation Water 0.68 0.68	ac-ft											0.0420	16.23
Drip Trailer System 9.16	hour			1.00	Feb			4.87	4.23	0.007	0.04	3.5000	
Irrigation Water 0.68 0.68	ac-ft											0.0420	16.23
UAN (32% N) 2.64 2.64	cwt											0.3400	7.78
sulfuric acid 0.01 0.01	oz											1.0000	0.01
Drip Trailer System 9.16	hour			1.00	Feb			4.87	4.23	0.007	0.04	3.5000	
Irrigation Water 0.68 0.68	ac-ft											0.0420	16.23
UAN (32% N) 2.64 2.64	cwt											0.3400	7.78
sulfuric acid 0.01 0.01	oz											1.0000	0.01
Drip Trailer System 9.16	hour			1.00	Feb			4.87	4.23	0.007	0.04	3.5000	
Irrigation Water 0.68 0.68	ac-ft											0.0420	16.23
UAN (32% N) 2.64 2.64	cwt											0.3400	7.78
sulfuric acid 0.01 0.01	oz											1.0000	0.01
Drip Trailer System 9.16	hour			1.00	Feb			4.87	4.23	0.007	0.04	3.5000	
Irrigation Water 0.68 0.68	ac-ft											0.0420	16.23
UAN (32% N) 2.64 2.64	cwt											0.3400	7.78
sulfuric acid 0.01 0.01	oz											1.0000	0.01
Admire	gal											0.1250	550.00

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Projections for Planning Purposes Only

B-1241 (C12)

Not to be Used without Updating after February 15, 2003

68.75	68.75	hour	1.00	Feb	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Drip Trailer System	ac-ft								0.0420		0.68	
Irrigation Water	cwt								0.3400	7.78	2.64	0.68
UAN (32% N)	oz								1.0000	0.01	0.01	0.01
sulfuric acid	oz								3.5000		0.01	9.16
Drip Trailer System	hour		1.00	Feb	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Cultivate (Barly)	3R-80		0.127	1.00	Mar	1.77	2.13	0.37	0.5000	12.50	6.25	6.15
Bravo Ultrex	qt											6.25
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Spray (Band)	27'		0.061	1.00	Mar	0.85	1.02	0.13	0.5000	12.50	6.25	6.25
Bravo Ultrex	qt								1.0000	75.00	75.00	75.00
Bee Rental	hive								3.5000		9.16	9.16
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Mar	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Spray (Band)	27'		0.061	1.00	Apr	0.85	1.02	0.13	0.5000	12.50	6.25	6.25
Quadris	oz								16.0000	2.29	36.64	36.64
Ambush 2E	oz								8.0000			
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Spray (Band)	27'		0.061	1.00	Apr	0.85	1.02	0.13	0.5000	12.50	6.25	6.25
Quadris	oz								16.0000	2.29	36.64	36.64
Ambush 2E	oz								8.0000			
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01
Drip Trailer System	hour		1.00	Apr	4.87	4.23	0.007	0.04	3.5000	16.23	0.68	9.16
Irrigation Water	ac-ft								0.0420		0.68	
UAN (32% N)	cwt								0.3400	7.78	2.64	0.68
sulfuric acid	oz								1.0000	0.01	0.01	0.01

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