

Table 15.A Estimated costs and returns per acre  
 Watermelon, Seedless; Plastic Mulch, Drip Irr.  
 Projected for 2005, Rio Grande Valley, Irrigation Dist, For

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Watermelon, seedless	cwt	7.25	200.0000	1450.00	_____
				-----	
TOTAL INCOME				1450.00	_____
DIRECT EXPENSES					
FERTILIZER					
Phosphorus(46% P2O5)	cwt	16.63	1.3000	21.61	_____
UAN (32% N)	cwt	9.33	1.0000	9.33	_____
FUNGICIDE					
Bravo Ultrex	qt	12.50	1.0000	12.50	_____
Quadris	oz	2.29	32.0000	73.28	_____
HERBICIDE					
Trifluralin 4EC	pt	2.48	2.7500	6.82	_____
INSECTICIDE/MITICIDE					
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	1.1340	18.40	_____
sulfuric acid	oz	0.01	26.0000	0.39	_____
SEED/PLANTS					
Hybrid Wtrmelon seed	lb	145.00	0.1800	26.10	_____
Watermelon Seedlings	thou	61.50	12.0000	738.00	_____
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/Sell Wtrmlns	cwt	3.00	200.0000	600.00	_____
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	0.1890	1.22	_____
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	113.4000	196.18	_____
REPAIR & MAINTENANCE					
Implements	acre	4.61	1.0000	4.61	_____
Tractors	acre	6.69	1.0000	6.69	_____
Drip Trailer System	hour	0.05	94.5000	4.72	_____
INTEREST ON OP. CAP.	acre	59.13	1.0000	59.13	_____
TOTAL DIRECT EXPENSES				2038.51	_____
RETURNS ABOVE DIRECT EXPENSES				-588.51	_____
FIXED EXPENSES					
Implements	acre	9.50	1.0000	9.50	_____
Tractors	acre	19.71	1.0000	19.71	_____
Drip Trailer System	hour	1.21	94.5000	114.34	_____
TOTAL FIXED EXPENSES				143.56	_____
TOTAL SPECIFIED EXPENSES				2182.07	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-732.07	_____
ALLOCATED COST ITEMS					
Cash Rent, Irr. Veg	acre	100.00	1.0000	100.00	_____
RESIDUAL RETURNS				-832.07	_____

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 15.B Estimated resource use and costs for field operations, per acre  
 Watermelon, Seedless; Plastic Mulch, Drip Irr.  
 Projected for 2005, Rio Grande Valley, Irrigation Dist, 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			
Hybrid Wtrmelon seed lb												0.1800	145.00	26.10	26.10
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												1.3000	16.63	21.61	21.61
Pmlch/Driptape 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
Trifluralin 4EC	pt											2.7500	2.48	6.82	6.82
Drip Trailer System	hour			1.00	Feb			7.44	4.23	0.007	0.04	3.5000			11.72
Watermelon Seedlings thou												12.0000	61.50	738.00	738.00
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			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	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											0.1000	9.33	0.93	0.93
sulfuric acid	oz											1.0000	0.01	0.01	0.01
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											0.1000	9.33	0.93	0.93
sulfuric acid	oz											1.0000	0.01	0.01	0.01
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											0.1000	9.33	0.93	0.93
sulfuric acid	oz											1.0000	0.01	0.01	0.01
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											0.1000	9.33	0.93	0.93

*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.*

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

B-1241 (C12)

sulfuric acid	oz											1.0000	0.01	0.01	0.01
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											0.1000	9.33	0.93	0.93
sulfuric acid	oz											1.0000	0.01	0.01	0.01
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											0.1000	9.33	0.93	0.93
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											0.1000	9.33	0.93	0.93
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											0.1000	9.33	0.93	0.93
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											0.1000	9.33	0.93	0.93
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											0.1000	9.33	0.93	0.93
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	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

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

B-1241 (C12)

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		
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		
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		
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/Sell Wtrmlns	cwt			1.00	May							200.0000	3.00	600.00		600.00		
Pickup plastic	hour			1.00	Jun							8.0000	3.43	27.44		27.44		
						-----												
TOTALS						21.30	19.71	205.52	123.85	1.814	12.29						1734.41	2117.09
INTEREST ON OPERATING CAPITAL																59.13		
UNALLOCATED LABOR																5.84		
TOTAL SPECIFIED COST																2182.07		

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