

Table 15.A Estimated costs and returns per acre  
Watermelon, Seedless; Plastic Mulch, Drip Irr.  
Projected for 2009, 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	44.87	1.3000	58.33	_____
UAN (32% N)	cwt	36.00	1.0000	36.00	_____
FUNGICIDE					
Bravo Ultrex	qt	16.00	1.0000	16.00	_____
Quadris	oz	2.93	32.0000	93.76	_____
HERBICIDE					
Trifluralin 4EC	pt	3.17	2.7500	8.71	_____
INSECTICIDE/MITICIDE					
Thiodan 3 EC	qt	11.64	1.0000	11.64	_____
IRRIGATION SUPPLIES					
DripTape (2 seasons)	feet	0.00	6550.0000	52.40	_____
Irrigation Water	ac-ft	20.00	1.1340	22.68	_____
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	7.50	8.0000	60.00	_____
Pickup plastic	hour	7.50	8.0000	60.00	_____
CUSTOM HORT. HARVEST					
Harvest/Sell Wtrmlns	cwt	3.30	200.0000	660.00	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.1240	8.43	_____
HAND LABOR					
Implements	hour	7.50	0.5010	3.75	_____
IRRIGATION LABOR					
Drip Trailer System	hour	7.50	0.1890	1.41	_____
UNALLOCATED LABOR	hour	7.50	0.8992	6.74	_____
DIESEL FUEL					
Tractors	gal	2.80	8.4445	23.64	_____
Drip Trailer System	gal	2.80	113.4000	317.52	_____
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	69.42	1.0000	69.42	_____
TOTAL DIRECT EXPENSES				2402.59	_____
RETURNS ABOVE DIRECT EXPENSES				-952.59	_____
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				2546.15	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-1096.15	_____
ALLOCATED COST ITEMS					
Cash Rent, Irr. Veg	acre	100.00	1.0000	100.00	_____
RESIDUAL RETURNS				-1196.15	_____

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

Table 15.B Estimated resource use and costs for field operations, per acre  
Watermelon, Seedlings: Plastic Mulch, Drip Irr.  
Projected for 2009, Rio Grande Valley, Irrigation Dist., For Planning Purposes Only

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PREP TIME RATE OVER	MCH	TRACTOR COST		EQUIP COST		ALLOC LABOR HOURS	AMOUNT	OPERATING INPUT		TOTAL COST
					FIXED	DIRECT	FIXED	DIRECT			PRICE	COST	
-----dollars-----													
-----dollars-----													
Heavy Disk	14'	150 hp	0.107	1.00	Oct	4.48	2.45	0.98	1.91	0.167	1.25		11.30
Chisel Plow	14'	130 hp	0.117	1.00	Oct	3.18	2.80	0.27	0.66	0.117	0.87		7.92
Heavy Disk	14'	150 hp	0.107	1.00	Oct	4.49	2.65	0.98	1.91	0.167	1.25		11.30
RY Row Disk	30-80	150 hp	0.094	1.00	Oct	2.53	1.49	0.55	1.00	0.094	0.70		6.28
Order seedlings	order				Dec							1.0000	
Hybrid Watermelon seed 30												0.1800	145.00 26.10 26.10
Part Appl (Liquid) 30-80		150 hp	0.098	1.00	Dec	2.63	1.55	0.44	1.27	0.147	1.10		7.01
Phosphorus 400 P205 cwt												1.3000	44.87 58.33 58.33
Trials/Driftage Layer 30-80		130 hp	0.110	1.00	Dec	2.99	2.64	0.44	1.14	0.440	3.30		10.94
DripTape (2 seasons) feet												6550.0000	0.00 52.40 52.40
Plastic Mulch, heavy roll												0.5100	60.00 36.60 36.60
Spray (Hand)	27'	150 hp	0.061	1.00	Dec	1.64	0.97	0.13	0.20	0.091	0.68		3.63
Trifluralin ac	qt											2.7500	3.17 4.71 4.71
Drip Trailer System hour					Feb	11.93	4.23	0.007	0.05			3.5000	16.22
Watermelon Seedlings lb/row												12.0000	61.50 738.00 738.00
Transplant machine	hour											8.0000	7.50 60.00 60.00
Irrigation Water	ac-ft				Feb	11.93	4.23	0.007	0.05			0.0420	20.00 0.84 0.84
Drip Trailer System hour					Feb	11.93	4.23	0.007	0.05			3.5000	16.22
Irrigation Water	ac-ft				Feb	11.93	4.23	0.007	0.05			0.0420	20.00 0.84 0.84
milfusic acid	oz				Feb	11.93	4.23	0.007	0.05			1.0000	0.01 0.01 0.01
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UNR (128 lb)	cwt				Feb	11.93	4.23	0.007	0.05			0.1000	36.00 3.60 3.60
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