

Table 15.A Estimated costs and returns per acre
Watermelon, Seedless; Plastic Mulch, Drip Irr.
Projected for 2012, Rio Grande Valley, Irrigation Dis, For

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Watermelon, seedless	cwt	12.00	250.0000	3000.00	_____

TOTAL INCOME				3000.00	_____
DIRECT EXPENSES					
FERTILIZER					
Phosphorus (46% P2O5)	cwt	38.00	1.3000	49.40	_____
UAN (32% N)	cwt	46.00	1.0000	46.00	_____
FUNGICIDE					
Bravo Ultrex	qt	16.00	1.0000	16.00	_____
Quadris	oz	3.05	32.0000	97.60	_____
HERBICIDE					
Trifluralin 4EC	pt	4.29	2.7500	11.79	_____
INSECTICIDE/MITICIDE					
Thiodan 3 EC	qt	12.22	1.0000	12.22	_____
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	3.10	8.4445	26.17	_____
Drip Trailer System	gal	3.10	113.4000	351.54	_____
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	70.71	1.0000	70.71	_____

TOTAL DIRECT EXPENSES				2449.00	_____
RETURNS ABOVE DIRECT EXPENSES				550.99	_____
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				2592.57	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				407.42	_____
ALLOCATED COST ITEMS					
Cash Rent, Irr. Veg	acre	100.00	1.0000	100.00	_____
RESIDUAL RETURNS				307.42	_____

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

*Information presented is prepared solely as a general guide & not intended to recognize or predict the costs & returns from any one operation.
Developed by Texas AgriLife Extension Service.*

Table 15.B Estimated resource use and costs for field operations, per acre
 Harvesting, Seedlings: Plastic Mulch, Drip Irr.
 Projected for 2011, Rio Grande Valley, Irrigation Dis, For Planning Purposes Only

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOE HOURS	LABOR COST	OPERATING INPUT		TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	
Heavy Disk	14'	150 hp	0.167	1.00	Oct	4.88	2.65	0.98	1.91	0.147	1.25			11.69
Chisel Plow	14'	150 hp	0.117	1.00	Oct	3.42	2.80	0.27	0.46	0.117	0.87			7.05
Heavy Disk	14'	150 hp	0.167	1.00	Oct	4.88	2.65	0.98	1.91	0.147	1.25			11.69
80" Row Disk	38-80	150 hp	0.094	1.00	Oct	2.74	1.49	0.55	1.00	0.094	0.70			6.51
Order seedlings	order											1.0000		
Hybrid Watermelon seed 1b		150 hp	0.098	1.00	Dec	2.86	1.55	0.44	1.27	0.147	1.10	0.1800	145.00	26.10
Fert Appl (Liquid) 38-80												1.3000	38.00	49.40
Phosphorus(44 9205) cwt												8.0000	7.50	60.00
Pestic/Dripstage Layer 38-80		130 hp	0.110	1.00	Dec	3.21	2.64	0.44	1.14	0.440	3.30	6550.0000	60.00	52.40
DripTape (2 seasons) feet												0.6100	60.00	36.60
Plastic Mulch, 36x4' roll												1.0000		
Spray (band) 27'	150 hp	0.061	1.00	Dec	1.78	0.97	0.13	0.20	0.091	0.68	2.7500	4.29	11.79	11.79
Trifluralin 4EC	qt											3.5000		17.48
Drip Tractor System hour						13.19	4.23	0.007	0.05			0.0420	20.00	0.84
Maximum Seedlings 1lbou												8.0000	7.50	60.00
Transplant melons	hour											0.0420	20.00	0.84
Irrigation Water	ac-ft				1.00	Feb						3.5000		17.48
Drip Tractor System hour						13.19	4.23	0.007	0.05			0.0420	20.00	0.84
Irrigation Water	ac-ft											3.5000		17.48
oz					1.00	Feb						1.0000	0.01	0.01
Drip Tractor System hour						13.19	4.23	0.007	0.05			0.0420	20.00	0.84
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