

Table 15.A Estimated costs and returns per acre
Watermelon, Seedless; Plastic Mulch, Drip Irr.
Projected for 2013, Rio Grande Valley, For Planning Purposes

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Watermelon, seedless	cwt	15.00	450.0000	6750.00	_____

TOTAL INCOME				6750.00	_____
DIRECT EXPENSES					
FERTILIZER					
Phosphorus (46% P2O5)	cwt	29.30	1.3000	38.09	_____
UAN (32% N)	cwt	21.10	1.0000	21.10	_____
FUNGICIDE					
Bravo Ultrex	qt	10.96	1.0000	10.96	_____
Quadris	oz	2.47	32.0000	79.04	_____
HERBICIDE					
Trifluralin 4EC	pt	3.19	2.7500	8.77	_____
INSECTICIDE/MITICIDE					
Thiodan 3 EC	qt	8.92	1.0000	8.92	_____
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	170.00	0.1800	30.60	_____
Watermelon Seedlings	thou	80.00	12.0000	960.00	_____
HORT. SUPPLIES					
Plastic Mulch, 3x4K'	roll	68.00	0.6100	41.48	_____
Bee Rental	hive	85.00	1.0000	85.00	_____
HIRED LABOR CREW					
Transplant melons	hour	9.00	8.0000	72.00	_____
Pickup plastic	hour	9.00	8.0000	72.00	_____
CUSTOM HORT. HARVEST					
Harvest/Sell Wtrmlns	cwt	3.30	450.0000	1485.00	_____
OPERATOR LABOR					
Tractors	hour	9.00	1.1240	10.11	_____
HAND LABOR					
Implements	hour	9.00	0.5010	4.50	_____
IRRIGATION LABOR					
Drip Trailer System	hour	9.00	0.1890	1.70	_____
UNALLOCATED LABOR	hour	9.00	0.8992	8.09	_____
DIESEL FUEL					
Tractors	gal	3.25	8.4445	27.44	_____
Drip Trailer System	gal	3.25	113.4000	368.55	_____
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	91.27	1.0000	91.27	_____

TOTAL DIRECT EXPENSES				3516.15	_____
RETURNS ABOVE DIRECT EXPENSES				3233.84	_____
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				3659.72	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				3090.27	_____
ALLOCATED COST ITEMS					
Cash Rent, Irr. Veg	acre	110.00	1.0000	110.00	_____
RESIDUAL RETURNS				2980.27	_____

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
 Watermelon, Seedless; Plastic Mulch, Drip Irr.
 Projected for 2013, Rio Grande Valley, For Planning Purposes

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-----															
Heavy Disk	14'	150 hp	0.167	1.00	Oct	5.07	2.65	0.98	1.91	0.167	1.50				12.13
Chisel Plow	16'	130 hp	0.117	1.00	Oct	3.54	2.80	0.27	0.66	0.117	1.05				8.34
Heavy Disk	14'	150 hp	0.167	1.00	Oct	5.07	2.65	0.98	1.91	0.167	1.50				12.13
80" Row Disk	3R-80	150 hp	0.094	1.00	Oct	2.85	1.49	0.55	1.00	0.094	0.84				6.76
Order seedlings	order				Dec							1.0000			
Hybrid Watermelon seed lb												0.1800	170.00	30.60	30.60
Fert Appl (liquid)	3R-80	150 hp	0.098	1.00	Dec	2.97	1.55	0.44	1.27	0.147	1.32				7.57
Phosphorus(46% P2O5) cwt												1.3000	29.30	38.09	38.09
Pmlch/Driptape Layer 3R-80	130 hp	130 hp	0.110	1.00	Dec	3.32	2.64	0.44	1.14	0.440	3.96				11.51
DripTape (2 seasons) feet												6550.0000	0.00	52.40	52.40
Plastic Mulch, 3x4K' roll												0.6100	68.00	41.48	41.48
Spray (Band)	27'	150 hp	0.061	1.00	Dec	1.85	0.97	0.13	0.20	0.091	0.82				3.98
Triifluralin 4EC	pt											2.7500	3.19	8.77	8.77
Drip Trailer System	hour				Feb							3.5000			18.12
Watermelon Seedlings thou												12.0000	80.00	960.00	960.00
Transplant melons	hour											8.0000	9.00	72.00	72.00
Irrigation Water	ac-ft											0.0420	20.00	0.84	0.84
Drip Trailer System	hour				Feb							3.5000			18.12
Irrigation Water	ac-ft											0.0420	20.00	0.84	0.84
sulfuric acid	oz											1.0000	0.01	0.01	0.01
Drip Trailer System	hour				Feb							3.5000			18.12
Irrigation Water	ac-ft											0.0420	20.00	0.84	0.84
UAN (32% N)	cwt											0.1000	21.10	2.11	2.11
sulfuric acid	oz											1.0000	0.01	0.01	0.01
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