

2024 Estimated Costs and Returns per Acre
Watermelon, Seedless, Plastic Mulch, Drip Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres		40				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Watermelon, seedless	450.00	CWT	\$16.00	\$7,200.00	\$288,000.00	
Total Revenue				\$7,200.00	\$288,000.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Fertilizer						
Phosphorus (46% P2O5)	1.74	CWT	\$43.15	\$75.08	\$3,003.24	
UAN (32% N)	2.5	CWT	\$33.95	\$84.88	\$3,395.00	
Custom						
Bee Rental	1	Hive	\$85.00	\$85.00	\$3,400.00	
Harvest and Sell Watermelons	450	CWT	\$8.50	\$3,825.00	\$153,000.00	
Insecticide						
Asana XL	5.8	Ounce	\$0.62	\$3.62	\$144.91	
Herbicide						
Trifluralin 4EC	2.75	Pint	\$4.75	\$13.06	\$522.23	
Seed						
Hybrid Watermelon Seed	2.1	Thousand	\$30.00	\$63.00	\$2,520.00	
Watermelon Seedlings	2.1	Thousand	\$115.00	\$241.50	\$9,660.00	
Miscellaneous						
DripTape (2 seasons)	6550	Foot	\$0.03	\$208.95	\$8,357.80	
Plastic Mulch, 3x4K'	0.61	Roll	\$198.00	\$120.78	\$4,831.20	
Sulfuric Acid	26	Ounce	\$0.22	\$5.77	\$230.67	
Other Labor						
Transplant Melons	8	Hour	\$15.00	\$120.00	\$4,800.00	
Pickup Plastic	8	Hour	\$15.00	\$120.00	\$4,800.00	
Unallocated Labor	0.8992	Hour	\$15.00	\$13.49	\$539.52	
Fungicides						
Bravo Ultrex	1	Pound	\$10.23	\$10.23	\$409.30	
Quadris	32	Ounce	\$1.56	\$49.99	\$1,999.50	
Irrigation						
Water Cost	1.13	Acre/Foot	\$33.64	\$38.14	\$1,525.76	
Irrigation Labor	0.19	Hour	\$17.50	\$3.31	\$132.30	
Machinery Labor						
Tractors/Self-Propelled	1.4	Hour	\$17.21	\$24.09	\$963.76	
Other Labor	0.41	Hour	\$17.21	\$7.06	\$282.24	
Diesel Fuel						
Tractors/Self-Propelled	9	Gallon	\$3.60	\$32.40	\$1,296.00	
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$21.02	\$21.02	\$840.94	
Implements	1	Acre	\$10.35	\$10.35	\$414.01	
Interest on Credit Line			8.00%	\$50.63	\$2,025.26	
Total Variable Costs				\$5,227.34	\$209,093.64	
Planned Returns Above Variable Costs:				\$1,972.66	\$78,906.36	
Breakeven Price to Cover Variable Costs			\$11.62	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$21.72	\$21.72	\$868.97	
Implements	1	Acre	\$12.38	\$12.38	\$495.02	
Equipment Investment						
Tractors/Self-Propelled	\$169.24	Dollars	8.00%	\$13.54	\$541.56	
Implements	\$54.74	Dollars	8.00%	\$4.38	\$175.16	
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00	
Total Fixed Costs				\$162.02	\$6,480.71	
Total Specified Costs				\$5,389.36	\$215,574.35	
Returns Above Specified Costs				\$1,810.64	\$72,425.65	
Breakeven Price to Cover Total Costs			\$11.98	CWT		

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.