

2021 Estimated Costs and Returns per Acre
Cantaloupe, Plastic Mulch, Drip Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres	40				
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Cantaloupes	400.00	Carton	\$9.00	\$3,600.00	\$144,000.00
Total Revenue				\$3,600.00	\$144,000.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Fertilizer					
Phosphorus (46% P2O5)	1.5	CWT	\$23.30	\$34.95	\$1,398.00
UAN (32% N)	3.74	CWT	\$12.65	\$47.31	\$1,892.44
Custom					
Bee Rental	1	Hive	\$85.00	\$85.00	\$3,400.00
Harvest Cantaloupe	400	Carton	\$3.00	\$1,200.00	\$48,000.00
Pack and Count Cantaloupe	400	Carton	\$3.50	\$1,400.00	\$56,000.00
Seed					
Cantaloupe Seedlings	24	Thousand	\$23.00	\$552.00	\$22,080.00
Miscellaneous					
DripTape (2 seasons)	6550	Foot	\$0.01	\$52.40	\$2,096.00
Plastic Mulch, 3x4K'	0.61	Roll	\$68.00	\$41.48	\$1,659.20
Sulfuric Acid	27	Ounce	\$0.01	\$0.40	\$16.00
Herbicide					
Prefar 4E	2.75	Quart	\$23.80	\$65.44	\$2,617.45
Other Labor					
Unallocated Labor	0.8992	Hour	\$12.00	\$10.79	\$431.62
Transplant Melons	8	Hour	\$12.00	\$96.00	\$3,840.00
Pickup Plastic	8	Hour	\$12.00	\$96.00	\$3,840.00
Insecticide					
Admire Pro	0.4375	Pint	\$26.28	\$11.50	\$459.90
Asana XL	5.8	Ounce	\$0.60	\$3.49	\$139.49
Fungicides					
Bravo Ultrex	1	Pound	\$10.04	\$10.04	\$401.56
Quadris	32	Ounce	\$1.44	\$46.24	\$1,849.50
Irrigation					
Water Cost	1.18	Acre/Foot	\$20.00	\$23.52	\$940.80
Irrigation Labor	3.00	Hour	\$12.00	\$36.00	\$1,440.00
Machinery Labor					
Tractors/Self-Propelled	1.36	Hour	\$12.00	\$16.32	\$652.80
Other Labor	0.41	Hour	\$12.00	\$4.92	\$196.80
Diesel Fuel					
Tractors/Self-Propelled	8.78	Gallon	\$2.00	\$17.56	\$702.40
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$20.52	\$20.52	\$820.62
Implements	1	Acre	\$11.23	\$11.23	\$449.29
Interest on Credit Line			5.00%	\$30.47	\$1,218.97
Total Variable Costs				\$3,913.57	\$156,542.85
Planned Returns Above Variable Costs:				(\$313.57)	(\$12,542.85)
Breakeven Price to Cover Variable Costs			\$9.78	Carton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$21.20	\$21.20	\$847.98
Implements	1	Acre	\$12.28	\$12.28	\$491.10
Equipment Investment					
Tractors/Self-Propelled	\$165.15	Dollars	7.00%	\$11.56	\$462.42
Implements	\$62.99	Dollars	7.00%	\$4.41	\$176.37
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs				\$159.45	\$6,377.87
Total Specified Costs				\$4,073.02	\$162,920.72
Returns Above Specified Costs				(\$473.02)	(\$18,920.72)
Breakeven Price to Cover Total Costs			\$10.18	Carton	

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension, 956-968-5581.

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.