

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Cantaloupe, Plastic Mulch, Drip Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres		40		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Cantaloupes	400.00	Carton	\$8.00	\$3,200.00	\$128,000.00
Total Revenue				\$3,200.00	\$128,000.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Prefar 4E	2.75	Quart	\$19.26	\$52.97	\$2,118.83
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	\$27.74	\$12.13	\$485.39
Asana XL	5.8	Ounce	\$0.61	\$3.56	\$142.36
Seed					
Cantaloupe Seedlings	24	Thousand	\$23.00	\$552.00	\$22,080.00
Fertilizer					
Phosphorus (46% P2O5)	1.5	CWT	\$25.60	\$38.40	\$1,536.00
UAN (32% N)	3.74	CWT	\$15.25	\$57.04	\$2,281.40
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
Fungicides					
Bravo Ultrex	1	Pound	\$7.21	\$7.21	\$288.29
Quadris	32	Ounce	\$2.34	\$74.88	\$2,995.20
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
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	\$2.30	\$20.19	\$807.76
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$19.81	\$19.81	\$792.26
Implements	1	Acre	\$11.15	\$11.15	\$446.19
Interest on Credit Line			5.00%	\$30.64	\$1,225.60
Total Variable Costs				\$3,942.81	\$157,712.49
Planned Returns Above Variable Costs:				(\$742.81)	(\$29,712.49)
Breakeven Price to Cover Variable Costs			\$9.86	Carton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$20.47	\$20.47	\$818.67
Implements	1	Acre	\$12.32	\$12.32	\$492.69
Equipment Investment					
Tractors/Self-Propelled	\$159.44	Dollars	7.00%	\$11.16	\$446.44
Implements	\$61.33	Dollars	7.00%	\$4.29	\$171.71
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs				\$158.24	\$6,329.51
Total Specified Costs				\$4,101.05	\$164,042.00
Returns Above Specified Costs				(\$901.05)	(\$36,042.00)
Breakeven Price to Cover Total Costs			\$10.25	Carton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	To Cover Variable Costs	To Cover Total Costs
75%	300.00	\$13.14	\$13.67
90%	360.00	\$10.95	\$11.39
100%	400.00	\$9.86	\$10.25
110%	440.00	\$8.96	\$9.32
125%	500.00	\$7.89	\$8.20

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.