

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$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 Seeds		0.83	Pound	\$373.54	\$310.03	\$12,401.37
Cantaloupe Seedlings		13	Thousand	\$33.25	\$432.28	\$17,291.09
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	\$2.00	\$800.00	\$32,000.00
Pack and Count Cantaloupe		400	Carton	\$3.00	\$1,200.00	\$48,000.00
Irrigation						
Water Cost		1.18	Acre/Foot	\$20.00	\$23.52	\$940.80
Irrigation Labor		0.20	Hour	\$12.00	\$2.35	\$94.08
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	\$18.97	\$18.97	\$758.80
Implements		1	Acre	\$10.57	\$10.57	\$422.72
Interest on Credit Line				5.00%	\$33.69	\$1,347.59
Total Variable Costs					\$3,501.10	\$140,044.11
Planned Returns Above Variable Costs:					(\$301.10)	(\$12,044.11)
Breakeven Price to Cover Variable Costs				\$8.75	Carton	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Tractors/Self-Propelled		1	Acre	\$19.60	\$19.60	\$784.09
Implements		1	Acre	\$11.71	\$11.71	\$468.31
Equipment Investment						
Tractors/Self-Propelled		\$152.71	Dollars	7.00%	\$10.69	\$427.58
Implements		\$57.91	Dollars	7.00%	\$4.05	\$162.15
Cash Rent, Irrigated Vegetables		1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs					\$156.05	\$6,242.14
Total Specified Costs					\$3,657.16	\$146,286.24
Returns Above Specified Costs					(\$457.16)	(\$18,286.24)
Breakeven Price to Cover Total Costs				\$9.14	Carton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	To Cover Variable Costs	To Cover Total Costs
75%	300.00	\$11.67	\$12.19
90%	360.00	\$9.73	\$10.16
100%	400.00	\$8.75	\$9.14
110%	440.00	\$7.96	\$8.31
125%	500.00	\$7.00	\$7.31

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.