

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Cantaloupe, Plastic Mulch, Drip Irrigated, Rio Grande Valley - 40 Acres
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					
Custom					
Bee Rental	1	Hive	\$85.00	\$85.00	\$3,400.00
Harvest Cantaloupe	400	Carton	\$1.38	\$552.00	\$22,080.00
Pack and Count Cantaloupe	400	Carton	\$2.53	\$1,012.00	\$40,480.00
Sales Consignment Cantaloupe	400	Carton	\$0.55	\$220.00	\$8,800.00
Fertilizer					
Phosphorus (46% P2O5)	1.5	CWT	\$25.00	\$37.50	\$1,500.00
UAN (32% N)	3.74	CWT	\$14.00	\$52.36	\$2,094.40
Herbicide					
Prefar 4E	2.75	Quart	\$18.31	\$50.35	\$2,014.10
Insecticide					
Admire Pro	0.4375	Pint	\$26.67	\$11.67	\$466.73
Asana XL	5.8	Ounce	\$0.59	\$3.42	\$136.88
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
Seed					
Cantaloupe Seeds	0.83	Pound	\$376.32	\$312.35	\$12,493.82
Cantaloupe Seedlings	13	Thousand	\$33.50	\$435.50	\$17,420.00
Fungicides					
Quadris	32	Ounce	\$3.11	\$99.52	\$3,980.80
Bravo Ultrex	1	Pound	\$6.93	\$6.93	\$277.20
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
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	1.77	Hour	\$12.00	\$21.24	\$849.60
Diesel Fuel					
Pickup/General Use Equipment	1	Acre	\$246.96	\$246.96	\$9,878.40
Tractors/Self-Propelled	8.78	Gallon	\$2.10	\$18.44	\$737.52
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$4.73	\$4.73	\$189.00
Tractors/Self-Propelled	1	Acre	\$18.84	\$18.84	\$753.45
Implements	1	Acre	\$8.78	\$8.78	\$351.07
Interest on Credit Line			5.00%	\$32.47	\$1,298.79
Total Variable Costs				\$3,552.99	\$142,119.46
Planned Returns Above Variable Costs:					
Breakeven Price to Cover Variable Costs			\$8.88	Carton	
					(\$352.99) (\$14,119.46)
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$47.25	\$47.25	\$1,890.00
Tractors/Self-Propelled	1	Acre	\$19.46	\$19.46	\$778.57
Implements	1	Acre	\$9.64	\$9.64	\$385.67
Equipment Investment					
Pickup/General Use Equipment	\$433.13	Dollars	7.00%	\$30.32	\$1,212.75
Tractors/Self-Propelled	\$151.63	Dollars	7.00%	\$10.61	\$424.57
Implements	\$50.97	Dollars	7.00%	\$3.57	\$142.72
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs				\$230.86	\$9,234.28
Total Specified Costs				\$3,783.84	\$151,353.74
Returns Above Specified Costs					(\$583.84) (\$23,353.74)
Breakeven Price to Cover Total Costs			\$9.46	Carton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	To Cover Variable Costs	To Cover Total Costs
75%	300.00	\$11.84	\$12.61
90%	360.00	\$9.87	\$10.51
100%	400.00	\$8.88	\$9.46
110%	440.00	\$8.07	\$8.60
125%	500.00	\$7.11	\$7.57

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.