

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Cantaloupe, Plastic Mulch, Drip Irrigated, Rio Grande Valley - 40 Acres
South Extension District - 12

Crop Acres		40				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	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	Total	Enterprise
Production Costs						
Seed						
Cantaloupe Seeds	0.83	Pound	\$130.00	\$107.90	\$4,316.00	
Cantaloupe Seedlings	13	Thousand	\$33.50	\$435.50	\$17,420.00	
Fertilizer						
Phosphorus (46% P2O5)	1.5	CWT	\$29.30	\$43.95	\$1,758.00	
UAN (32% N)	2.38	CWT	\$25.27	\$60.14	\$2,405.70	
UAN (32% N)	1.36	CWT	\$25.27	\$34.37	\$1,374.69	
Herbicide						
Prefar 4E	2.75	Quart	\$16.91	\$46.50	\$1,860.10	
Insecticide						
Admire	0.125	Gallon	\$326.40	\$40.80	\$1,632.00	
Thiodan 3 EC	1	Quart	\$8.92	\$8.92	\$356.80	
Fungicides						
Bravo Ultrex	0.5	Quart	\$10.96	\$5.48	\$219.20	
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Quadris	16	Ounce	\$2.47	\$39.52	\$1,580.80	
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Miscellaneous						
Drip Tape (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	7	Ounce	\$0.01	\$0.10	\$4.15	
Sulfuric Acid	4	Ounce	\$0.01	\$0.06	\$2.37	
Sulfuric Acid	6	Ounce	\$0.01	\$0.09	\$3.56	
Sulfuric Acid	3	Ounce	\$0.01	\$0.04	\$1.78	
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Sulfuric Acid	1	Ounce	\$0.01	\$0.01	\$0.59	
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Custom						
Bee Rental	1	Hive	\$85.00	\$85.00	\$3,400.00	
Harvest Cantaloupe	50	Carton	\$1.38	\$69.00	\$2,760.00	
Pack and Count Cantaloupe	50	Carton	\$2.53	\$126.50	\$5,060.00	
Sales Consignment Cantaloupe	50	Carton	\$0.55	\$27.50	\$1,100.00	
Harvest Cantaloupe	100	Carton	\$1.38	\$138.00	\$5,520.00	
Pack and Count Cantaloupe	100	Carton	\$2.53	\$253.00	\$10,120.00	
Sales Consignment Cantaloupe	100	Carton	\$0.55	\$55.00	\$2,200.00	
Harvest Cantaloupe	100	Carton	\$1.38	\$138.00	\$5,520.00	
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Irrigation						
Energy or Water Cost	1.18	Acre/Foot	\$20.00	\$23.52	\$940.80	
Irrigation Labor	0.20	Hour	\$9.00	\$1.76	\$70.56	
Other Labor						
Unallocated Labor	0.8992	Hour	\$9.00	\$8.09	\$323.71	
Transplant Melons	8	Hour	\$9.00	\$72.00	\$2,880.00	
Pickup Plastic	8	Hour	\$9.00	\$72.00	\$2,880.00	
Machinery Labor						
Tractors/Self-Propelled	1.59	Hour	\$9.00	\$14.31	\$572.40	
Diesel Fuel						
Drip Trailer System	1	Acre	\$382.20	\$382.20	\$15,288.00	
Tractors/Self-Propelled	8.17	Gallon	\$3.25	\$26.55	\$1,062.10	
Repairs & Maintenance						
Drip Trailer System	1	Acre	\$4.73	\$4.73	\$189.00	
Tractors/Self-Propelled	1	Acre	\$6.56	\$6.56	\$262.57	
Implements	1	Acre	\$4.50	\$4.50	\$180.16	
Interest on Credit Line			9.00%	\$50.71	\$2,028.43	
Total Variable Costs				\$3,498.31	\$139,932.22	
Planned Returns Above Variable Costs:				(\$298.31)	(\$11,932.22)	
Breakeven Price to Cover Variable Costs			\$8.75	Carton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Drip Trailer System	1	Acre	\$47.25	\$47.25	\$1,890.00	
Tractors/Self-Propelled	1	Acre	\$10.29	\$10.29	\$411.76	
Implements	1	Acre	\$5.60	\$5.60	\$223.99	
Equipment Investment						
Drip Trailer System	\$787.50	Dollars	9.00%	\$70.88	\$2,835.00	
Tractors/Self-Propelled	\$153.16	Dollars	9.00%	\$13.78	\$551.39	
Implements	\$59.73	Dollars	9.00%	\$5.38	\$215.02	
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00	
Total Fixed Costs				\$263.18	\$10,527.17	
Total Specified Costs				\$3,761.48	\$150,459.39	
Returns Above Specified Costs				(\$561.48)	(\$22,459.39)	
Breakeven Price to Cover Total Costs			\$9.40	Carton		

Example Breakeven Prices						
Example Yield Percent	Example Carton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share Tenant	Own/Rent	Share Tenant	Landlord
75%	300.00	\$11.66	\$11.66	\$12.54	\$12.54	\$0.00
90%	360.00	\$9.72	\$9.72	\$10.45	\$10.45	\$0.00
100%	400.00	\$8.75	\$8.75	\$9.40	\$9.40	\$0.00
110%	440.00	\$7.95	\$7.95	\$8.55	\$8.55	\$0.00
125%	500.00	\$7.00	\$7.00	\$7.52	\$7.52	\$0.00

Developed by Luis Ribera, Associate Professor and Extension Economist, Texas A&M AgriLife Extension.

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.