

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 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					
Pferar 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	\$26.93	\$40.39	\$1,615.50
UAN (32% N)	3.74	CWT	\$15.08	\$56.39	\$2,255.67
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	\$3.23	\$103.50	\$4,140.03
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
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					
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	\$18.96	\$18.96	\$758.23
Implements	1	Acre	\$10.35	\$10.35	\$414.19
Interest on Credit Line			5.00%	\$32.30	\$1,291.99
Total Variable Costs				\$3,343.38	\$133,735.16
Planned Returns Above Variable Costs:				(\$143.38)	(\$5,735.16)
Breakeven Price to Cover Variable Costs			\$8.36	Carton	
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	\$19.59	\$19.59	\$783.50
Implements	1	Acre	\$11.47	\$11.47	\$458.65
Equipment Investment					
Pickup/General Use Equipment	\$433.13	Dollars	7.00%	\$30.32	\$1,212.75
Tractors/Self-Propelled	\$152.59	Dollars	7.00%	\$10.68	\$427.26
Implements	\$56.84	Dollars	7.00%	\$3.98	\$159.15
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs				\$233.28	\$9,331.31
Total Specified Costs				\$3,576.66	\$143,066.47
Returns Above Specified Costs				(\$376.66)	(\$15,066.47)
Breakeven Price to Cover Total Costs			\$8.94	Carton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	To Cover Variable Costs	To Cover Total Costs
75%	300.00	\$11.14	\$11.92
90%	360.00	\$9.29	\$9.94
100%	400.00	\$8.36	\$8.94
110%	440.00	\$7.60	\$8.13
125%	500.00	\$6.69	\$7.15

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.