

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Cantaloupe, Plastic Mulch, Drip Irrigated, Rio Grande Valley - 40 Acres
South Extension District - 12

Crop Acres		40			
				Total	Enterprise Total
REVENUE					
Cantaloupes	Quantity	Units	\$/Unit	Total	Enterprise Total
	400.00	Carton	\$8.00	\$3,200.00	\$128,000.00
Total Revenue				\$3,200.00	\$128,000.00
VARIABLE COSTS					
Production Costs					
Herbicide					
Prefar 4E	2.75	Quart	\$16.51	\$45.40	\$1,816.10
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
Insecticide					
Admire	0.125	Gallon	\$393.02	\$49.13	\$1,965.10
Thiodan 3 EC	1	Quart	\$9.03	\$9.03	\$361.20
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	\$24.50	\$36.75	\$1,470.00
UAN (32% N)	3.74	CWT	\$18.60	\$69.56	\$2,782.56
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	Quart	\$12.82	\$12.82	\$512.80
Quadris	32	Ounce	\$2.86	\$91.52	\$3,660.80
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
Irrigation					
Water Cost	1.18	Acre/Foot	\$20.00	\$23.52	\$940.80
Irrigation Labor	0.20	Hour	\$9.00	\$1.76	\$70.56
Machinery Labor					
Tractors/Self-Propelled	1.8	Hour	\$9.00	\$16.20	\$648.00
Diesel Fuel					
Pickup/General Use Equipment	1	Acre	\$352.80	\$352.80	\$14,112.00
Tractors/Self-Propelled	8.92	Gallon	\$3.00	\$26.76	\$1,070.40
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$4.73	\$4.73	\$189.00
Tractors/Self-Propelled	1	Acre	\$16.65	\$16.65	\$665.85
Implements	1	Acre	\$10.94	\$10.94	\$437.67
Interest on Credit Line			9.00%	\$51.12	\$2,044.66
Total Variable Costs				\$3,477.46	\$139,098.42
Planned Returns Above Variable Costs:				(\$277.46)	(\$11,098.42)
Breakeven Price to Cover Variable Costs			\$8.69	Carton	
FIXED COSTS					
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$47.25	\$47.25	\$1,890.00
Tractors/Self-Propelled	1	Acre	\$17.20	\$17.20	\$688.05
Implements	1	Acre	\$12.01	\$12.01	\$480.44
Equipment Investment					
Pickup/General Use Equipment	\$787.50	Dollars	9.00%	\$70.88	\$2,835.00
Tractors/Self-Propelled	\$194.21	Dollars	9.00%	\$17.48	\$699.15
Implements	\$114.74	Dollars	9.00%	\$10.33	\$413.05
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs				\$285.14	\$11,405.69
Total Specified Costs				\$3,762.60	\$150,504.10
Returns Above Specified Costs				(\$562.60)	(\$22,504.10)
Breakeven Price to Cover Total Costs			\$9.41	Carton	

Example Breakeven Prices						
Example Yield Percent	Example Yield 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	\$11.59	\$11.59	\$12.54	\$12.54	\$0.00
90%	360.00	\$9.66	\$9.66	\$10.45	\$10.45	\$0.00
100%	400.00	\$8.69	\$8.69	\$9.41	\$9.41	\$0.00
110%	440.00	\$7.90	\$7.90	\$8.55	\$8.55	\$0.00
125%	500.00	\$6.95	\$6.95	\$7.53	\$7.53	\$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.