

**2016 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
Cantaloupes	400.00	Carton	\$8.00	\$3,200.00		\$128,000.00
<b>Total Revenue</b>				<b>\$3,200.00</b>		<b>\$128,000.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise Total
<b>Production Costs</b>						
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
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
Fungicides						
Bravo Ultrex	1	Pound	\$6.93	\$6.93		\$277.20
Quadris	32	Ounce	\$3.11	\$99.52		\$3,980.80
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	1.8	Hour	\$12.00	\$21.60		\$864.00
Diesel Fuel						
Pickup/General Use Equipment	1	Acre	\$246.96	\$246.96		\$9,878.40
Tractors/Self-Propelled	8.92	Gallon	\$2.10	\$18.73		\$749.28
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			5.00%	\$32.48		\$1,299.05
<b>Total Variable Costs</b>				<b>\$3,553.62</b>		<b>\$142,144.87</b>
<b>Planned Returns Above Variable Costs:</b>						<b>(\$353.62)</b>
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$8.88</b>	<b>Carton</b>		<b>(\$14,144.87)</b>
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	\$17.20	\$17.20		\$688.05
Implements	1	Acre	\$12.01	\$12.01		\$480.44
Equipment Investment						
Pickup/General Use Equipment	\$433.13	Dollars	7.00%	\$30.32		\$1,212.75
Tractors/Self-Propelled	\$134.00	Dollars	7.00%	\$9.38		\$375.21
Implements	\$66.60	Dollars	7.00%	\$4.66		\$186.48
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00		\$4,400.00
<b>Total Fixed Costs</b>				<b>\$230.82</b>		<b>\$9,232.93</b>
<b>Total Specified Costs</b>				<b>\$3,784.45</b>		<b>\$151,377.80</b>
<b>Returns Above Specified Costs</b>						<b>(\$584.45)</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$9.46</b>	<b>Carton</b>		<b>(\$23,377.80)</b>

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	300.00	\$11.85	\$12.61
90%	360.00	\$9.87	\$10.51
100%	400.00	\$8.88	\$9.46
110%	440.00	\$8.08	\$8.60
125%	500.00	\$7.11	\$7.57

Developed by Samuel Zapata, Assistant 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.**