

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Honeydew, Plastic Mulch, Drip Irrigated, Rio Grande Valley - 40 Acres
South Extension District - 12

Crop Acres		40				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		Total
Honeydews	800.00	Carton	\$8.00	\$6,400.00		\$256,000.00
Total Revenue				\$6,400.00		\$256,000.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Production Costs						
Custom						
Bee Rental	1	Hive	\$85.00	\$85.00		\$3,400.00
Harvest Honeydew	800	Carton	\$1.38	\$1,104.00		\$44,160.00
Pack and Count Honeydew	800	Carton	\$2.53	\$2,024.00		\$80,960.00
Sales Consignment Honeydew	800	Carton	\$0.55	\$440.00		\$17,600.00
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						
Honeydew Seeds	0.83	Pound	\$548.08	\$454.91		\$18,196.26
Honeydew 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	1.77	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	8.86	Gallon	\$2.10	\$18.61		\$744.24
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.73	\$4.73		\$189.00
Tractors/Self-Propelled	1	Acre	\$19.13	\$19.13		\$765.05
Implements	1	Acre	\$8.78	\$8.78		\$351.07
Interest on Credit Line			5.00%	\$69.17		\$2,766.76
Total Variable Costs				\$5,516.70		\$220,668.18
Planned Returns Above Variable Costs:				\$883.30		\$35,331.82
Breakeven Price to Cover Variable Costs			\$6.90	Carton		
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$47.25	\$47.25		\$1,890.00
Tractors/Self-Propelled	1	Acre	\$19.76	\$19.76		\$790.55
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	\$153.97	Dollars	7.00%	\$10.78		\$431.11
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				\$231.32		\$9,252.80
Total Specified Costs				\$5,748.02		\$229,920.98
Returns Above Specified Costs				\$651.98		\$26,079.02
Breakeven Price to Cover Total Costs			\$7.19	Carton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Carton	Costs	Costs
75%	600.00	\$9.19	\$9.58
90%	720.00	\$7.66	\$7.98
100%	800.00	\$6.90	\$7.19
110%	880.00	\$6.27	\$6.53
125%	1000.00	\$5.52	\$5.75

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.