

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Honeydew, Plastic Mulch, Drip Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres		40				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Honeydews	800.00	Carton	\$7.84	\$6,272.00	\$250,880.00	\$250,880.00
Total Revenue				\$6,272.00	\$250,880.00	\$250,880.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Honeydew Seeds	0.83	Pound	\$544.02	\$451.54	\$18,061.60	
Honeydew Seedlings	13	Thousand	\$33.25	\$432.28	\$17,291.09	
Fertilizer						
Phosphorus (46% P2O5)	1.5	CWT	\$25.60	\$38.40	\$1,536.00	
UAN (32% N)	3.74	CWT	\$15.25	\$57.04	\$2,281.40	
Custom						
Bee Rental	1	Hive	\$85.00	\$85.00	\$3,400.00	
Harvest Honeydew	800	Carton	\$2.00	\$1,600.00	\$64,000.00	
Pack and Count Honeydew	800	Carton	\$3.00	\$2,400.00	\$96,000.00	
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	
Insecticide						
Admire Pro	0.4375	Pint	\$27.74	\$12.13	\$485.39	
Asana XL	5.8	Ounce	\$0.61	\$3.56	\$142.36	
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	27	Ounce	\$0.01	\$0.40	\$16.00	
Herbicide						
Prefar 4E	2.75	Quart	\$19.26	\$52.97	\$2,118.83	
Fungicides						
Bravo Ultrex	1	Pound	\$7.21	\$7.21	\$288.29	
Quadris	32	Ounce	\$2.34	\$74.88	\$2,995.20	
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						
Tractors/Self-Propelled	8.86	Gallon	\$2.30	\$20.38	\$815.12	
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$19.31	\$19.31	\$772.37	
Implements	1	Acre	\$10.57	\$10.57	\$422.72	
Interest on Credit Line			5.00%	\$71.55	\$2,862.09	
Total Variable Costs				\$5,680.99	\$227,239.76	
Planned Returns Above Variable Costs:				\$591.01	\$23,640.24	
Breakeven Price to Cover Variable Costs			\$7.10	Carton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$19.95	\$19.95	\$798.11	
Implements	1	Acre	\$11.71	\$11.71	\$468.31	
Equipment Investment						
Tractors/Self-Propelled	\$155.44	Dollars	7.00%	\$10.88	\$435.23	
Implements	\$57.91	Dollars	7.00%	\$4.05	\$162.15	
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00	
Total Fixed Costs				\$156.59	\$6,263.80	
Total Specified Costs				\$5,837.59	\$233,503.56	
Returns Above Specified Costs				\$434.41	\$17,376.44	
Breakeven Price to Cover Total Costs			\$7.30	Carton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Carton	To Cover Variable Costs	To Cover Total Costs
75%	600.00	\$9.47	\$9.73
90%	720.00	\$7.89	\$8.11
100%	800.00	\$7.10	\$7.30
110%	880.00	\$6.46	\$6.63
125%	1000.00	\$5.68	\$5.84

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.