

2021 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		
Honeydews	800.00	Carton	\$8.50	\$6,800.00	\$272,000.00		
Total Revenue				\$6,800.00	\$272,000.00		
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise		
Production Costs							
Fertilizer							
Phosphorus (46% P2O5)	1.5	CWT	\$23.30	\$34.95	\$1,398.00		
UAN (32% N)	3.74	CWT	\$12.65	\$47.31	\$1,892.44		
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		
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		
Herbicide							
Prefar 4E	2.75	Quart	\$23.80	\$65.44	\$2,617.45		
Seed							
Honeydew Seeds	0.83	Pound	\$544.02	\$451.54	\$18,061.60		
Honeydew Seedlings	13	Thousand	\$33.25	\$432.28	\$17,291.09		
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	\$26.28	\$11.50	\$459.90		
Asana XL	5.8	Ounce	\$0.60	\$3.49	\$139.49		
Fungicides							
Bravo Ultrex	1	Pound	\$10.04	\$10.04	\$401.56		
Quadris	32	Ounce	\$1.44	\$46.24	\$1,849.50		
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	\$2.00	\$17.72	\$708.80		
Repairs & Maintenance							
Tractors/Self-Propelled	1	Acre	\$20.92	\$20.92	\$836.79		
Implements	1	Acre	\$11.23	\$11.23	\$449.29		
Interest on Credit Line			5.00%	\$71.77	\$2,870.92		
Total Variable Costs				\$5,653.60	\$226,144.14		
Planned Returns Above Variable Costs:				\$1,146.40	\$45,855.86		
Breakeven Price to Cover Variable Costs			\$7.07	Carton			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise		
Machinery Depreciation							
Tractors/Self-Propelled	1	Acre	\$21.62	\$21.62	\$864.68		
Implements	1	Acre	\$12.28	\$12.28	\$491.10		
Equipment Investment							
Tractors/Self-Propelled	\$168.40	Dollars	7.00%	\$11.79	\$471.53		
Implements	\$62.99	Dollars	7.00%	\$4.41	\$176.37		
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00		
Total Fixed Costs				\$160.09	\$6,403.69		
Total Specified Costs				\$5,813.70	\$232,547.82		
Returns Above Specified Costs				\$986.30	\$39,452.18		
Breakeven Price to Cover Total Costs			\$7.27	Carton			

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.