

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 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 Total
Production Costs						
Seed						
	Honeydew Seeds	0.83	Pound	\$60.00	\$49.80	\$1,992.00
	Honeydew Seedlings	13	Thousand	\$33.50	\$435.50	\$17,420.00
Fertilizer						
	Phosphorus (46% P2O5)	1.5	CWT	\$29.30	\$43.95	\$1,758.00
	UAN (32% N)	2.38	CWT	\$25.27	\$60.14	\$2,405.70
	UAN (32% N)	1.36	CWT	\$25.27	\$34.37	\$1,374.69
Herbicide						
	Prefar 4E	2.75	Quart	\$16.91	\$46.50	\$1,860.10
Insecticide						
	Admire	0.125	Gallon	\$326.40	\$40.80	\$1,632.00
	Thiodan 3 EC	1	Quart	\$8.92	\$8.92	\$356.80
Fungicides						
	Bravo Ultrex	0.5	Quart	\$10.96	\$5.48	\$219.20
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	Quadris	16	Ounce	\$2.47	\$39.52	\$1,580.80
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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	7	Ounce	\$0.01	\$0.10	\$4.15
	Sulfuric Acid	4	Ounce	\$0.01	\$0.06	\$2.37
	Sulfuric Acid	6	Ounce	\$0.01	\$0.09	\$3.56
	Sulfuric Acid	3	Ounce	\$0.01	\$0.04	\$1.78
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	Sulfuric Acid	1	Ounce	\$0.01	\$0.01	\$0.59
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Custom						
	Bee Rental	1	Hive	\$85.00	\$85.00	\$3,400.00
	Harvest Honeydew	100	Carton	\$1.38	\$138.00	\$5,520.00
	Pack and Count Honeydew	100	Carton	\$2.53	\$253.00	\$10,120.00
	Sales Consignment Honeydew	100	Carton	\$0.55	\$55.00	\$2,200.00
	Harvest Honeydew	200	Carton	\$1.38	\$276.00	\$11,040.00
	Pack and Count Honeydew	200	Carton	\$2.53	\$506.00	\$20,240.00
	Sales Consignment Honeydew	200	Carton	\$0.55	\$110.00	\$4,400.00
	Harvest Honeydew	200	Carton	\$1.38	\$276.00	\$11,040.00
	Pack and Count Honeydew	200	Carton	\$2.53	\$506.00	\$20,240.00
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Irrigation						
	Energy or Water Cost	1.18	Acre/Foot	\$20.00	\$23.52	\$940.80
	Irrigation Labor	0.20	Hour	\$9.00	\$1.76	\$70.56
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
Machinery						
	Tractors/Self-Propelled	1.59	Hour	\$9.00	\$14.31	\$572.40
Diesel Fuel						
	Drip Trailer System	1	Acre	\$382.20	\$382.20	\$15,288.00
	Tractors/Self-Propelled	8.17	Gallon	\$3.25	\$26.55	\$1,062.10
Repairs & Maintenance						
	Drip Trailer System	1	Acre	\$4.73	\$4.73	\$189.00
	Tractors/Self-Propelled	1	Acre	\$6.56	\$6.56	\$262.57
	Implements	1	Acre	\$4.50	\$4.50	\$180.16
	Interest on Credit Line			9.00%	\$59.87	\$2,394.82
Total Variable Costs					\$5,233.37	\$209,334.61
Planned Returns Above Variable Costs:					\$1,166.63	\$46,665.39
Breakeven Price to Cover Variable Costs					\$6.54	Carton
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Drip Trailer System	1	Acre	\$47.25	\$47.25	\$1,890.00
	Tractors/Self-Propelled	1	Acre	\$10.29	\$10.29	\$411.76
	Implements	1	Acre	\$5.60	\$5.60	\$223.99
Equipment Investment						
	Drip Trailer System	\$787.50	Dollars	9.00%	\$70.88	\$2,835.00
	Tractors/Self-Propelled	\$153.16	Dollars	9.00%	\$13.78	\$551.39
	Implements	\$59.73	Dollars	9.00%	\$5.38	\$215.02
	Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$4,400.00
Total Fixed Costs					\$263.18	\$10,527.17
Total Specified Costs					\$5,496.54	\$219,861.78
Returns Above Specified Costs					\$903.46	\$36,138.22
Breakeven Price to Cover Total Costs					\$6.87	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%	600.00	\$8.72	\$8.72	\$9.16	\$9.16	\$0.00
90%	720.00	\$7.27	\$7.27	\$7.63	\$7.63	\$0.00
100%	800.00	\$6.54	\$6.54	\$6.87	\$6.87	\$0.00
110%	880.00	\$5.95	\$5.95	\$6.25	\$6.25	\$0.00
125%	1000.00	\$5.23	\$5.23	\$5.50	\$5.50	\$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.