

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Oranges, Navel, Mature Orchard, Flood Irrigated, Rio Grande Valley - 100 Acres
South Extension District - 12

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Oranges, Navel	18.00	Ton	\$160.00	\$2,880.00	\$288,000.00	\$288,000.00
Total Revenue				\$2,880.00	\$288,000.00	\$288,000.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
Ammonium Sulfate (21% N)	3.57	CWT	\$20.70	\$73.90	\$7,389.90	\$7,389.90
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Herbicide						
Simazine 4L	1.25	Gallon	\$22.88	\$28.60	\$2,860.00	\$2,860.00
Krovar I 80 DF	3	Pound	\$13.50	\$40.50	\$4,050.00	\$4,050.00
Insecticide						
Vydate	0.0625	Gallon	\$106.24	\$6.64	\$664.00	\$664.00
Vendex	2	Pound	\$18.53	\$37.06	\$3,706.00	\$3,706.00
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Lorsban 4E	4	Pint	\$4.76	\$19.04	\$1,904.00	\$1,904.00
Citrus Oil	5	Gallon	\$3.42	\$17.10	\$1,710.00	\$1,710.00
Agri-Mek	0.1	Gallon	\$108.16	\$10.82	\$1,081.60	\$1,081.60
Vendex	2	Pound	\$18.53	\$37.06	\$3,706.00	\$3,706.00
Lorsban 4E	4	Pint	\$4.76	\$19.04	\$1,904.00	\$1,904.00
Other Chemicals						
Surfactant - Citrus	1	Pint	\$1.25	\$1.25	\$125.00	\$125.00
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Miscellaneous						
Insurance, Established Oranges	1	Acre	\$85.00	\$85.00	\$8,500.00	\$8,500.00
Custom						
Hedging or Topping	0.5	Acre	\$66.00	\$33.00	\$3,300.00	\$3,300.00
Custom Fertilize Citrus	1	Acre	\$4.40	\$4.40	\$440.00	\$440.00
Custom Orchard Spray	1	Acre	\$38.50	\$38.50	\$3,850.00	\$3,850.00
Spot Herbicide Spray	1	Application	\$24.00	\$24.00	\$2,400.00	\$2,400.00
Custom Orchard Spray	1	Acre	\$38.50	\$38.50	\$3,850.00	\$3,850.00
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Custom Fertilize Citrus	1	Acre	\$4.40	\$4.40	\$440.00	\$440.00
Custom Orchard Spray	1	Acre	\$38.50	\$38.50	\$3,850.00	\$3,850.00
Irrigation						
Energy or Water Cost	1.20	Acre/Foot	\$20.00	\$24.00	\$2,400.00	\$2,400.00
Irrigation Labor	3.00	Hour	\$9.00	\$27.00	\$2,700.00	\$2,700.00
Other Labor						
Unallocated Labor	0.0122	Hour	\$9.00	\$0.11	\$10.98	\$10.98
Machinery Labor						
Tractors/Self-Propelled	0.18	Hour	\$9.00	\$1.62	\$162.00	\$162.00
Diesel Fuel						
Tractors/Self-Propelled	0.94	Gallon	\$3.25	\$3.06	\$305.50	\$305.50
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$0.65	\$0.65	\$64.72	\$64.72
Implements	1	Acre	\$0.28	\$0.28	\$27.67	\$27.67
Interest on Credit Line			9.00%	\$41.36	\$4,135.78	\$4,135.78
Total Variable Costs				\$806.08	\$80,608.05	\$80,608.05
Planned Returns Above Variable Costs:				\$2,073.92	\$207,391.95	\$207,391.95
Breakeven Price to Cover Variable Costs			\$44.78	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$1.08	\$1.08	\$107.87	\$107.87
Implements	1	Acre	\$0.28	\$0.28	\$27.67	\$27.67
Equipment Investment						
Tractors/Self-Propelled	\$15.10	Dollars	9.00%	\$1.36	\$135.91	\$135.91
Implements	\$2.21	Dollars	9.00%	\$0.20	\$19.92	\$19.92
Allocated Establishment Cost	1	Acre	\$254.04	\$254.04	\$25,404.00	\$25,404.00
Land Cost, Orchard	1	Acre	\$120.00	\$120.00	\$12,000.00	\$12,000.00
Total Fixed Costs				\$376.95	\$37,695.37	\$37,695.37
Total Specified Costs				\$1,183.03	\$118,303.42	\$118,303.42
Returns Above Specified Costs				\$1,696.97	\$169,696.58	\$169,696.58
Breakeven Price to Cover Total Costs			\$65.72	Ton		

Example Breakeven Prices						
Example Yield Percent	Example Yield Ton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share Tenant	Own/Rent	Share Tenant	Landlord
75%	13.50	\$59.71	\$59.71	\$87.63	\$87.63	\$0.00
90%	16.20	\$49.76	\$49.76	\$73.03	\$73.03	\$0.00
100%	18.00	\$44.78	\$44.78	\$65.72	\$65.72	\$0.00
110%	19.80	\$40.71	\$40.71	\$59.75	\$59.75	\$0.00
125%	22.50	\$35.83	\$35.83	\$52.58	\$52.58	\$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.