

Projections for Planning Purposes Only -- Not to be Used without Updating
2021 Estimated Costs and Returns per Acre
Trans Pecos Flood Irrigated Pecans, Years 10-20
Far West Extension District - 6

Crop Acres		50		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Pecans	1,364.00	Pound	\$2.50	\$3,410.00	\$170,500.00
Total Revenue				\$3,410.00	\$170,500.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Hedging	0.33	Acre	\$100.00	\$33.00	\$1,650.00
Fertilizer					
Fertilizer 11-52-0	80	Pound	\$0.45	\$36.15	\$1,807.60
N-32 in Water	291.5	Pound	\$0.38	\$111.59	\$5,579.31
Zinc, Chelated 10%	24	Pint	\$1.34	\$32.16	\$1,608.00
Herbicide					
Glyphosate	16.98	Pint	\$2.13	\$36.08	\$1,804.13
Crop Oil Concentrate	16	Pint	\$2.18	\$34.80	\$1,740.00
Insecticide					
Confirm 2F	12	Ounce	\$1.54	\$18.48	\$924.00
Pilot (Lorsban 4E)	4.5	Pint	\$3.69	\$16.59	\$829.69
Other Labor					
Pecan Cleaning	4.092	Hour	\$8.50	\$34.78	\$1,739.10
Miscellaneous					
Electricity - Pecan Cleaning	920.7	kWh	\$0.17	\$156.52	\$7,825.95
Irrigation					
Energy Cost	35.20	Mcf	\$5.61	\$197.47	\$9,873.60
Irrigation Labor	0.78	Hour	\$15.00	\$11.68	\$583.80
Machinery Labor					
Tractors/Self-Propelled	3.31	Hour	\$15.00	\$49.65	\$2,482.50
Other Labor	0.75	Hour	\$15.00	\$11.25	\$562.50
Diesel Fuel					
Tractors/Self-Propelled	16.33	Gallon	\$1.50	\$24.50	\$1,224.75
Gasoline					
Pickup/General Use Equipment	1	Acre	\$11.53	\$11.53	\$576.72
Tractors/Self-Propelled	0.8184524	Gallon	\$1.80	\$1.47	\$73.66
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$234.49	\$234.49	\$11,724.74
Irrigation Equipment	1	Acre	\$16.40	\$16.40	\$819.81
Tractors/Self-Propelled	1	Acre	\$29.41	\$29.41	\$1,470.50
Implements	1	Acre	\$10.33	\$10.33	\$516.62
Interest on Credit Line			4.55%	\$23.78	\$1,189.03
Total Variable Costs				\$1,132.12	\$56,606.00
Planned Returns Above Variable Costs:				\$2,277.88	\$113,894.00
Breakeven Price to Cover Variable Costs			\$0.83	Pound	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$104.53	\$104.53	\$5,226.57
Irrigation Equipment	1	Acre	\$48.64	\$48.64	\$2,432.20
Tractors/Self-Propelled	1	Acre	\$34.37	\$34.37	\$1,718.59
Implements	1	Acre	\$19.26	\$19.26	\$962.93
Equipment Investment					
Pickup/General Use Equipment	\$1,437.81	Dollars	5.50%	\$79.08	\$3,953.97
Irrigation Equipment	\$364.83	Dollars	5.50%	\$20.07	\$1,003.28
Tractors/Self-Propelled	\$289.67	Dollars	5.50%	\$15.93	\$796.60
Implements	\$105.52	Dollars	5.50%	\$5.80	\$290.17
Allocated Establishment Cost	1	Acre	\$287.09	\$287.09	\$14,354.50
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$2,500.00
Total Fixed Costs				\$664.78	\$33,238.80
Total Specified Costs				\$1,796.90	\$89,844.80
Returns Above Specified Costs				\$1,613.10	\$80,655.20
Breakeven Price to Cover Total Costs			\$1.32	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1023.00	\$1.11	\$1.76
90%	1227.60	\$0.92	\$1.46
100%	1364.00	\$0.83	\$1.32
110%	1500.40	\$0.75	\$1.20
125%	1705.00	\$0.66	\$1.05

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.