

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 Estimated Costs and Returns per Acre**  
**Pecan, Drip Irrigated Years 10-20 - 120 Acres**  
**Southwest Extension District - 10**

Crop Acres		120					
REVENUE			Quantity	Units	\$/Unit	Total	Enterprise Total
Pecans		950.00	Pound	\$2.69		\$2,555.50	\$306,660.00
Total Revenue						\$2,555.50	\$306,660.00
VARIABLE COSTS			Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>							
Fertilizer							
	Fertilizer 11-52-0	80	Pound	\$0.22		\$17.60	\$2,112.00
	N-32 in Water	263.11	Pound	\$0.17		\$44.73	\$5,367.44
	Zinc, Chelated 10%	17.32	Pint	\$1.31		\$22.69	\$2,722.70
Custom							
	Hedging	0.33	Acre	\$100.00		\$33.00	\$3,960.00
Miscellaneous							
	Miscellaneous Pecan Overhead	1	Acre	\$4.00		\$4.00	\$480.00
	Crop Insurance - Pecans	1	Acre	\$118.00		\$118.00	\$14,160.00
	Electricity - Pecan Cleaning	641.25	KWhour	\$0.17		\$109.01	\$13,081.50
	Pecan Cleaning Repairs	950	Pound	\$0.17		\$161.09	\$19,330.80
Insecticide							
	Confirm 2F	12	Ounce	\$1.95		\$23.40	\$2,808.00
	Lorsban 4E	4.5	Pint	\$5.03		\$22.64	\$2,716.20
Herbicide							
	Glyphosate	16.98	Pint	\$2.25		\$38.21	\$4,584.60
Other Labor							
	Pecan Cleaning	2.85	Hour	\$8.50		\$24.23	\$2,907.00
Irrigation							
	Energy Cost	2192.32	kWh	\$0.17		\$372.69	\$44,723.33
Machinery Labor							
	Tractors/Self-Propelled	3.79	Hour	\$12.00		\$45.48	\$5,457.60
Diesel Fuel							
	Tractors/Self-Propelled	15.45	Gallon	\$1.83		\$28.27	\$3,392.82
Gasoline							
	Pickup/General Use Equipment	1	Acre	\$30.09		\$30.09	\$3,611.22
	Tractors/Self-Propelled	0.8184524	Gallon	\$2.09		\$1.71	\$205.27
Repairs & Maintenance							
	Pickup/General Use Equipment	1	Acre	\$14.40		\$14.40	\$1,728.00
	Irrigation Equipment	1	Acre	\$16.00		\$16.00	\$1,920.47
	Tractors/Self-Propelled	1	Acre	\$26.87		\$26.87	\$3,224.85
	Implements	1	Acre	\$7.88		\$7.88	\$945.70
	Interest on Credit Line			6.50%		\$31.98	\$3,837.28
Total Variable Costs						\$1,193.97	\$143,276.78
Planned Returns Above Variable Costs:						\$1,361.53	\$163,383.22
Breakeven Price to Cover Variable Costs				\$1.26	Pound		
FIXED COSTS			Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation							
	Irrigation Equipment	1	Acre	\$59.07		\$59.07	\$7,088.16
	Tractors/Self-Propelled	1	Acre	\$31.70		\$31.70	\$3,804.31
	Implements	1	Acre	\$14.62		\$14.62	\$1,754.24
Equipment Investment							
	Irrigation Equipment	\$112.23	Dollars	6.50%		\$7.29	\$875.39
	Tractors/Self-Propelled	\$261.71	Dollars	6.50%		\$17.01	\$2,041.37
	Implements	\$71.03	Dollars	6.50%		\$4.62	\$554.05
Equipment Fixed Costs							
	Pickup/General Use Equipment	1	Acre	\$48.44		\$48.44	\$5,812.80
	Allocated Establishment Cost	1	Acre	\$311.01		\$311.01	\$37,321.20
	Irrigated Winter Garden Rent	1	Acre	\$50.00		\$50.00	\$6,000.00
Total Fixed Costs						\$543.76	\$65,251.50
Total Specified Costs						\$1,737.74	\$208,528.28
Returns Above Specified Costs						\$817.76	\$98,131.72
Breakeven Price to Cover Total Costs				\$1.83	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	712.50	\$1.68	\$2.44
90%	855.00	\$1.40	\$2.03
100%	950.00	\$1.26	\$1.83
110%	1045.00	\$1.14	\$1.66
125%	1187.50	\$1.01	\$1.46

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

**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.**