

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 Estimated Costs and Returns per Acre**  
**Sprinkler Irrigated Cotton**  
**Rolling Plains Extension District - 3**

Crop Acres		120				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Cotton Lint - Irrigated	1,000.00	Pound	\$0.69	\$690.00	\$82,800.00	\$82,800.00
Cottonseed	0.65	Ton	\$230.00	\$149.50	\$17,940.00	\$17,940.00
Total Revenue				\$839.50	\$100,740.00	\$100,740.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Custom						
Fertilizer Application	1	Acre	\$4.50	\$4.50	\$540.00	\$540.00
Insecticide Application	1	Acre	\$5.50	\$5.50	\$660.00	\$660.00
Harvest Aid Application	1	Acre	\$5.50	\$5.50	\$660.00	\$660.00
Gin, Bag, Ties	1000	Pound	\$0.13	\$130.00	\$15,600.00	\$15,600.00
Custom Picking	1000	Pound	\$0.10	\$100.00	\$12,000.00	\$12,000.00
Fertilizer						
Fertilizer (N)	75	Pound	\$0.38	\$28.50	\$3,420.00	\$3,420.00
Fertilizer (P)	60	Pound	\$0.30	\$18.00	\$2,160.00	\$2,160.00
Potash (K)	40	Pound	\$0.30	\$12.00	\$1,440.00	\$1,440.00
Sulfur	12	Pound	\$0.22	\$2.64	\$316.80	\$316.80
Herbicide						
Roundup	2	Pint	\$1.88	\$3.75	\$450.00	\$450.00
Harvest Aid - Prep	3	Pint	\$3.75	\$11.25	\$1,350.00	\$1,350.00
Harvest Aid - Def	8	Ounce	\$0.55	\$4.38	\$525.00	\$525.00
Xtend flew	24	Ounce	\$0.44	\$10.57	\$1,267.92	\$1,267.92
Seed						
Cotton Seed	11.5	Pound	\$8.00	\$92.00	\$11,040.00	\$11,040.00
Insecticide						
Insecticide - Cotton	0.5	Pound	\$7.20	\$3.60	\$432.00	\$432.00
Bollweevil Eradication	1	Acre	\$2.50	\$2.50	\$300.00	\$300.00
Miscellaneous						
Insurance - Irrigated Cotton	1	Acre	\$17.00	\$17.00	\$2,040.00	\$2,040.00
Irrigation						
Energy Cost	12.00	AcreInch	\$4.50	\$54.00	\$6,480.00	\$6,480.00
Irrigation Labor	0.96	Hour	\$12.00	\$11.52	\$1,382.40	\$1,382.40
Machinery Labor						
Tractors/Self-Propelled	0.87	Hour	\$12.00	\$10.44	\$1,252.80	\$1,252.80
Other Labor	1.04	Hour	\$12.00	\$12.48	\$1,497.60	\$1,497.60
Diesel Fuel						
Tractors/Self-Propelled	5.92	Gallon	\$1.85	\$10.95	\$1,314.24	\$1,314.24
Gasoline						
Pickup/General Use Equipment	1	Acre	\$9.00	\$9.00	\$1,080.00	\$1,080.00
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.60	\$3.60	\$432.00	\$432.00
Irrigation Equipment	1	Acre	\$13.34	\$13.34	\$1,600.27	\$1,600.27
Tractors/Self-Propelled	1	Acre	\$12.10	\$12.10	\$1,451.45	\$1,451.45
Implements	1	Acre	\$14.32	\$14.32	\$1,718.74	\$1,718.74
Interest on Credit Line			6.50%	\$12.68	\$1,521.52	\$1,521.52
Total Variable Costs				\$616.11	\$73,932.76	\$73,932.76
Planned Returns Above Variable Costs:				\$223.39	\$26,807.24	\$26,807.24
Breakeven Price to Cover Variable Costs			\$0.47	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$5.00	\$5.00	\$599.76	\$599.76
Irrigation Equipment	1	Acre	\$15.00	\$15.00	\$1,800.00	\$1,800.00
Tractors/Self-Propelled	1	Acre	\$12.50	\$12.50	\$1,499.84	\$1,499.84
Implements	1	Acre	\$18.39	\$18.39	\$2,207.27	\$2,207.27
Equipment Investment						
Pickup/General Use Equipment	\$35.01	Dollars	5.50%	\$1.93	\$231.07	\$231.07
Irrigation Equipment	\$437.50	Dollars	5.50%	\$24.06	\$2,887.50	\$2,887.50
Tractors/Self-Propelled	\$97.37	Dollars	5.50%	\$5.36	\$642.63	\$642.63
Implements	\$78.69	Dollars	5.50%	\$4.33	\$519.32	\$519.32
Cash Rent - Irrigated Cotton	1	Acre	\$90.00	\$90.00	\$10,800.00	\$10,800.00
Total Fixed Costs				\$176.56	\$21,187.39	\$21,187.39
Total Specified Costs				\$792.67	\$95,120.15	\$95,120.15
Returns Above Specified Costs				\$46.83	\$5,619.85	\$5,619.85
Breakeven Price to Cover Total Costs			\$0.64	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	750.00	\$0.62	\$0.86
90%	900.00	\$0.52	\$0.71
100%	1000.00	\$0.47	\$0.64
110%	1100.00	\$0.42	\$0.58
125%	1250.00	\$0.37	\$0.51

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

**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.**