

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Confectionary Sunflowers, Sprinkler Irrigated, Strip Tillage - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Confectionary Sunflowers	18.00	CWT	\$22.00	\$396.00	\$48,312.00	\$48,312.00
Total Revenue				\$396.00	\$48,312.00	\$48,312.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Seed - Confectionary Sunflower	1	Acre	\$35.00	\$35.00	\$4,270.00	\$4,270.00
Fertilizer						
Fertilizer (N) - Liquid	70	Pound	\$0.55	\$38.50	\$4,697.00	\$4,697.00
Fertilizer (P) - Liquid	24	Pound	\$0.85	\$20.40	\$2,488.80	\$2,488.80
Custom						
Herbicide Application	3	Acre	\$5.10	\$15.30	\$1,866.60	\$1,866.60
Pesticide Application	1	Acre	\$5.00	\$5.00	\$610.00	\$610.00
Custom Harvest - Sorghum Dryland	1	Acre	\$21.85	\$21.85	\$2,665.70	\$2,665.70
Custom Haul - Sunflowers	20	CWT	\$0.37	\$7.40	\$902.80	\$902.80
Miscellaneous						
Crop Insurance Sunflowers - Irrigated	1	Acre	\$12.67	\$12.67	\$1,545.98	\$1,545.98
Herbicide						
Glyphosphate	3	Acre	\$4.50	\$13.50	\$1,647.00	\$1,647.00
2-4D	1	Acre	\$2.42	\$2.42	\$295.24	\$295.24
Prowel H2O	1	Acre	\$13.35	\$13.35	\$1,628.70	\$1,628.70
Insecticide						
Ammo	1	Acre	\$3.47	\$3.47	\$423.34	\$423.34
Seed Insecticide - Sunflower Confection	1	Acre	\$5.00	\$5.00	\$610.00	\$610.00
Irrigation						
Energy Cost	7.00	AcreInch	\$4.40	\$30.80	\$3,757.60	\$3,757.60
Irrigation Labor	0.45	Hour	\$11.75	\$5.26	\$642.21	\$642.21
Machinery Labor						
Tractors/Self-Propelled	0.47	Hour	\$11.75	\$5.52	\$673.75	\$673.75
Diesel Fuel						
Tractors/Self-Propelled	1.6	Gallon	\$3.30	\$5.28	\$644.16	\$644.16
Gasoline						
Pickup/General Use Equipment	1	Acre	\$13.48	\$13.48	\$1,644.50	\$1,644.50
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$5.52	\$5.52	\$673.20	\$673.20
Irrigation Equipment	1	Acre	\$28.28	\$28.28	\$3,450.16	\$3,450.16
Tractors/Self-Propelled	1	Acre	\$2.82	\$2.82	\$344.63	\$344.63
Implements	1	Acre	\$8.79	\$8.79	\$1,071.79	\$1,071.79
Interest on Credit Line			4.90%	\$6.54	\$797.61	\$797.61
Total Variable Costs				\$306.15	\$37,350.77	\$37,350.77
Planned Returns Above Variable Costs:				\$89.85	\$10,961.23	\$10,961.23
Breakeven Price to Cover Variable Costs			\$17.01 CWT			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$5.79	\$5.79	\$706.86	\$706.86
Irrigation Equipment	1	Acre	\$22.50	\$22.50	\$2,745.60	\$2,745.60
Tractors/Self-Propelled	1	Acre	\$2.92	\$2.92	\$356.12	\$356.12
Implements	1	Acre	\$11.08	\$11.08	\$1,352.32	\$1,352.32
Equipment Investment						
Pickup/General Use Equipment	\$68.98	Dollars	5.40%	\$3.72	\$454.41	\$454.41
Irrigation Equipment	\$703.28	Dollars	5.40%	\$37.98	\$4,633.20	\$4,633.20
Tractors/Self-Propelled	\$32.96	Dollars	5.40%	\$1.78	\$217.12	\$217.12
Implements	\$86.21	Dollars	5.40%	\$4.66	\$567.97	\$567.97
Cash Rent - Sunflowers Irrigated	1	Acre	\$80.75	\$80.75	\$9,851.50	\$9,851.50
Total Fixed Costs				\$171.19	\$20,885.10	\$20,885.10
Total Specified Costs				\$477.34	\$58,235.87	\$58,235.87
Returns Above Specified Costs				(\$81.34)	(\$9,923.87)	(\$9,923.87)
Breakeven Price to Cover Total Costs			\$26.52 CWT			

Example Breakeven Prices						
Example Yield Percent	Example Yield CWT	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	\$22.68	\$22.68	\$35.36	\$35.36	\$0.00
90%	16.20	\$18.90	\$18.90	\$29.47	\$29.47	\$0.00
100%	18.00	\$17.01	\$17.01	\$26.52	\$26.52	\$0.00
110%	19.80	\$15.46	\$15.46	\$24.11	\$24.11	\$0.00
125%	22.50	\$13.61	\$13.61	\$21.22	\$21.22	\$0.00

Developed by Steve Amosson, Regents Fellow, 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.