

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Sunflowers, Confectionary, Pivot Irrigated - 122 Acres
South Plains Extension District - 2

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Confectionary Sunflowers	20.00	CWT	\$30.00	\$600.00	\$600.00	\$73,200.00
Total Revenue				\$600.00	\$600.00	\$73,200.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Seed - Confectionary Sunflower	1	Acre	\$21.00	\$21.00	\$21.00	\$2,562.00
Fertilizer						
Fertilizer (N)	80	Pound	\$0.55	\$44.00	\$44.00	\$5,368.00
Fertilizer (P)	30	Pound	\$0.60	\$18.00	\$18.00	\$2,196.00
Herbicide						
Herbicide and Apply Sunflowers	1	Acre	\$30.00	\$30.00	\$30.00	\$3,660.00
Insecticide						
Insecticide and Apply Sunflowers ¹	1	Acre	\$15.00	\$15.00	\$15.00	\$1,830.00
Custom						
Fertilizer Application	1	Acre	\$10.00	\$10.00	\$10.00	\$1,220.00
Custom Harvest - Sunflowers Irrigated	1	Acre	\$20.00	\$20.00	\$20.00	\$2,440.00
Custom Haul - Sunflowers	20	CWT	\$0.30	\$6.00	\$6.00	\$732.00
Irrigation						
Energy or Water Cost	8.00	AcreInch	\$9.00	\$72.00	\$72.00	\$8,784.00
Irrigation Labor	1.00	Hour	\$11.75	\$11.75	\$11.75	\$1,433.50
Machinery Labor						
Tractors/Self-Propelled	1	Hour	\$11.75	\$11.75	\$11.75	\$1,433.50
Diesel Fuel						
Tractors/Self-Propelled	2.5	Gallon	\$3.20	\$8.00	\$8.00	\$976.00
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.75	\$1.75	\$1.75	\$213.50
Irrigation Equipment	1	Acre	\$30.00	\$30.00	\$30.00	\$3,660.00
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$6.00	\$732.00
Implements	1	Acre	\$3.00	\$3.00	\$3.00	\$366.00
Interest on Credit Line			6.00%	\$6.59	\$6.59	\$803.98
Total Variable Costs				\$314.84	\$314.84	\$38,410.48
Planned Returns Above Variable Costs:				\$285.16	\$285.16	\$34,789.52
Breakeven Price to Cover Variable Costs			\$15.74 CWT			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Equipment Investment						
Pickup/General Use Equipment	\$35.78	Dollars	7.00%	\$2.50	\$2.50	\$305.55
Irrigation Equipment	\$714.29	Dollars	7.00%	\$50.00	\$50.00	\$6,100.00
Tractors/Self-Propelled	\$171.43	Dollars	7.00%	\$12.00	\$12.00	\$1,464.00
Implements	\$142.86	Dollars	7.00%	\$10.00	\$10.00	\$1,220.00
Cash Rent - Sunflowers Irrigated	1	Acre	\$100.00	\$100.00	\$100.00	\$12,200.00
Total Fixed Costs				\$174.50	\$174.50	\$21,289.55
Total Specified Costs				\$489.34	\$489.34	\$59,700.03
Returns Above Specified Costs				\$110.66	\$110.66	\$13,499.97
Breakeven Price to Cover Total Costs			\$24.47 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	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	15.00	\$20.99	\$20.99	\$32.62	\$32.62	\$0.00
90%	18.00	\$17.49	\$17.49	\$27.19	\$27.19	\$0.00
100%	20.00	\$15.74	\$15.74	\$24.47	\$24.47	\$0.00
110%	22.00	\$14.31	\$14.31	\$22.24	\$22.24	\$0.00
125%	25.00	\$12.59	\$12.59	\$19.57	\$19.57	\$0.00

Developed by Jackie Smith, 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.