

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 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	\$21.00	\$378.00	\$46,116.00	\$46,116.00
<b>Total Revenue</b>				<b>\$378.00</b>	<b>\$46,116.00</b>	<b>\$46,116.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Glyphosphate	3	Acre	\$4.38	\$13.13	\$1,602.04	
2-4D	1	Acre	\$2.35	\$2.35	\$287.18	
Prowel H2O	1	Acre	\$12.99	\$12.99	\$1,584.24	
Seed						
Seed - Confectionary Sunflower	1	Acre	\$35.31	\$35.31	\$4,307.58	
Fertilizer						
Fertilizer (N) - Liquid	70	Pound	\$0.53	\$37.10	\$4,526.20	
Fertilizer (P) - Liquid	24	Pound	\$0.90	\$21.60	\$2,635.20	
Custom						
Herbicide Application	3	Acre	\$5.24	\$15.72	\$1,917.93	
Pesticide Application	1	Acre	\$5.14	\$5.14	\$626.78	
Custom Harvest - Sorghum Dryland	1	Acre	\$22.45	\$22.45	\$2,739.01	
Custom Haul - Sunflowers	18	CWT	\$0.38	\$6.84	\$834.86	
Miscellaneous						
Crop Insurance Sunflowers - Irrigated	1	Acre	\$21.00	\$21.00	\$2,562.00	
Insecticide						
Ammo	1	Acre	\$3.32	\$3.32	\$404.46	
Seed Insecticide - Sunflower Confection	1	Acre	\$4.78	\$4.78	\$582.79	
Irrigation						
Energy Cost	7.00	AcreInch	\$3.20	\$22.40	\$2,732.80	
Irrigation Labor	0.45	Hour	\$12.16	\$5.45	\$664.56	
Machinery Labor						
Tractors/Self-Propelled	0.47	Hour	\$11.97	\$5.62	\$686.21	
Diesel Fuel						
Tractors/Self-Propelled	1.6	Gallon	\$1.97	\$3.15	\$384.54	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$9.29	\$9.29	\$1,133.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$5.52	\$5.52	\$673.20	
Irrigation Equipment	1	Acre	\$28.28	\$28.28	\$3,450.16	
Tractors/Self-Propelled	1	Acre	\$2.82	\$2.82	\$344.63	
Implements	1	Acre	\$8.79	\$8.79	\$1,071.79	
Interest on Credit Line			5.15%	\$6.83	\$833.12	
<b>Total Variable Costs</b>				<b>\$299.87</b>	<b>\$36,584.28</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>\$78.13</b>	<b>\$9,531.72</b>	
Breakeven Price to Cover Variable Costs			\$16.66	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Pickup/General Use Equipment	1	Acre	\$5.79	\$5.79	\$706.86	
Irrigation Equipment	1	Acre	\$22.50	\$22.50	\$2,745.60	
Tractors/Self-Propelled	1	Acre	\$2.92	\$2.92	\$356.12	
Implements	1	Acre	\$11.08	\$11.08	\$1,352.32	
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$40.01	Dollars	5.40%	\$2.16	\$263.56	
Irrigation Equipment	\$421.97	Dollars	5.40%	\$22.79	\$2,779.92	
Tractors/Self-Propelled	\$22.74	Dollars	5.40%	\$1.23	\$149.81	
Implements	\$47.42	Dollars	5.40%	\$2.56	\$312.39	
Cash Rent - Sunflowers Irrigated	1	Acre	\$75.00	\$75.00	\$9,150.00	
<b>Total Fixed Costs</b>				<b>\$146.04</b>	<b>\$17,816.57</b>	
<b>Total Specified Costs</b>				<b>\$445.91</b>	<b>\$54,400.85</b>	
<b>Returns Above Specified Costs</b>				<b>(\$67.91)</b>	<b>(\$8,284.85)</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$24.77</b>	<b>CWT</b>		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	13.50	\$22.21	\$33.03
90%	16.20	\$18.51	\$27.53
100%	18.00	\$16.66	\$24.77
110%	19.80	\$15.15	\$22.52
125%	22.50	\$13.33	\$19.82

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.**