

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 Estimated Costs and Returns per Acre**  
**Confectionary Sunflowers, Sprinkler Irrigated, Strip Tillage**  
**Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Enterprise
Confectionary Sunflowers	18.00	CWT	\$21.75	\$391.50	\$47,763.00	
<b>Total Revenue</b>				<b>\$391.50</b>	<b>\$47,763.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
<b>Herbicide</b>						
Glyphosphate	3	Acre	\$4.44	\$13.32	\$1,625.04	
2-4D	1	Acre	\$2.37	\$2.37	\$289.14	
Prowel H2O	1	Acre	\$13.13	\$13.13	\$1,601.86	
<b>Seed</b>						
Seed - Confectionary Sunflower	1	Acre	\$33.66	\$33.66	\$4,106.52	
<b>Fertilizer</b>						
Fertilizer (N) - Liquid	70	Pound	\$0.40	\$28.00	\$3,416.00	
Fertilizer (P) - Liquid	24	Pound	\$0.47	\$11.28	\$1,376.16	
<b>Custom</b>						
Herbicide Application	3	Acre	\$5.12	\$15.36	\$1,873.92	
Pesticide Application	1	Acre	\$5.12	\$5.12	\$624.64	
Custom Harvest - Sorghum Dryland	1	Acre	\$25.61	\$25.61	\$3,124.42	
Custom Haul - Sunflowers	18	CWT	\$0.46	\$8.28	\$1,010.16	
<b>Miscellaneous</b>						
Crop Insurance Sunflowers - Irrigated	1	Acre	\$21.00	\$21.00	\$2,562.00	
<b>Insecticide</b>						
Ammo	1	Acre	\$3.26	\$3.26	\$397.72	
Seed Insecticide - Sunflower Confection	1	Acre	\$4.81	\$4.81	\$586.82	
<b>Irrigation</b>						
Energy Cost	7.00	AcreInch	\$3.50	\$24.50	\$2,989.00	
Irrigation Labor	0.45	Hour	\$12.64	\$5.66	\$690.85	
<b>Machinery Labor</b>						
Tractors/Self-Propelled	0.21	Hour	\$12.44	\$2.61	\$318.71	
Other Labor	0.25	Hour	\$12.44	\$3.11	\$379.42	
<b>Diesel Fuel</b>						
Tractors/Self-Propelled	1.57	Gallon	\$1.99	\$3.12	\$381.16	
<b>Gasoline</b>						
Pickup/General Use Equipment	1	Acre	\$9.47	\$9.47	\$1,155.00	
<b>Repairs &amp; Maintenance</b>						
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	\$3.27	\$3.27	\$399.29	
Implements	1	Acre	\$7.78	\$7.78	\$949.22	
Interest on Credit Line			5.74%	\$6.82	\$832.16	
<b>Total Variable Costs</b>				<b>\$285.35</b>	<b>\$34,812.58</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>\$106.15</b>	<b>\$12,950.42</b>	
Breakeven Price to Cover Variable Costs			\$15.85	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	\$28.80	\$28.80	\$3,513.75	
Tractors/Self-Propelled	1	Acre	\$3.38	\$3.38	\$412.60	
Implements	1	Acre	\$10.00	\$10.00	\$1,220.42	
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$40.01	Dollars	6.01%	\$2.40	\$293.33	
Irrigation Equipment	\$435.80	Dollars	6.01%	\$26.19	\$3,195.37	
Tractors/Self-Propelled	\$26.35	Dollars	6.01%	\$1.58	\$193.18	
Implements	\$42.79	Dollars	6.01%	\$2.57	\$313.76	
Cash Rent - Sunflowers Irrigated	1	Acre	\$72.00	\$72.00	\$8,784.00	
<b>Total Fixed Costs</b>				<b>\$152.73</b>	<b>\$18,633.27</b>	
<b>Total Specified Costs</b>				<b>\$438.08</b>	<b>\$53,445.85</b>	
<b>Returns Above Specified Costs</b>				<b>(\$46.58)</b>	<b>(\$5,682.85)</b>	
<b>Breakeven Price to Cover Total Costs</b>			\$24.34	CWT		

**Example Breakeven Prices**

Exempl	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percen	CWT	Costs	Costs
75%	13.50	\$21.14	\$32.45
90%	16.20	\$17.61	\$27.04
100%	18.00	\$15.85	\$24.34
110%	19.80	\$14.41	\$22.13
125%	22.50	\$12.68	\$19.47

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-677-5600.

**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.**