

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 Estimated Costs and Returns per Acre**  
**Confectionary Sunflowers, Sprinkler Irrigated, Strip Tillage - 122 Acres**  
**Panhandle Extension District - 1**

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Confectionary Sunflowers	18.00	CWT	\$21.00	\$378.00	\$46,116.00
<b>Total Revenue</b>				<b>\$378.00</b>	<b>\$46,116.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
<b>Herbicide</b>					
Glyphosphate	3	Acre	\$4.40	\$13.20	\$1,610.40
2-4D	1	Acre	\$2.35	\$2.35	\$287.18
Prowel H2O	1	Acre	\$13.00	\$13.00	\$1,586.00
<b>Seed</b>					
Seed - Confectionary Sunflower	1	Acre	\$34.00	\$34.00	\$4,148.00
<b>Fertilizer</b>					
Fertilizer (N) - Liquid	70	Pound	\$0.41	\$28.70	\$3,501.40
Fertilizer (P) - Liquid	24	Pound	\$0.47	\$11.28	\$1,376.16
<b>Custom</b>					
Herbicide Application	3	Acre	\$5.00	\$15.00	\$1,830.00
Pesticide Application	1	Acre	\$5.00	\$5.00	\$610.00
Custom Harvest - Sorghum Dryland	1	Acre	\$25.00	\$25.00	\$3,050.00
Custom Haul - Sunflowers	18	CWT	\$0.45	\$8.10	\$988.20
<b>Miscellaneous</b>					
Crop Insurance Sunflowers - Irrigated	1	Acre	\$21.00	\$21.00	\$2,562.00
<b>Insecticide</b>					
Ammo	1	Acre	\$3.25	\$3.25	\$396.50
Seed Insecticide - Sunflower Confection	1	Acre	\$4.80	\$4.80	\$585.60
<b>Irrigation</b>					
Energy Cost	7.00	AcreInch	\$3.60	\$25.20	\$3,074.40
Irrigation Labor	0.45	Hour	\$12.45	\$5.58	\$680.47
<b>Machinery Labor</b>					
Tractors/Self-Propelled	0.46	Hour	\$12.25	\$5.64	\$687.47
<b>Diesel Fuel</b>					
Tractors/Self-Propelled	1.57	Gallon	\$1.81	\$2.84	\$346.69
<b>Gasoline</b>					
Pickup/General Use Equipment	1	Acre	\$8.70	\$8.70	\$1,061.50
<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	\$3.28	\$3.28	\$400.46
Implements	1	Acre	\$8.82	\$8.82	\$1,075.74
Interest on Credit Line			5.40%	\$6.28	\$765.85
<b>Total Variable Costs</b>				<b>\$284.81</b>	<b>\$34,747.38</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$93.19</b>	<b>\$11,368.62</b>
Breakeven Price to Cover Variable Costs			\$15.82 CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<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	\$3.39	\$3.39	\$413.81
Implements	1	Acre	\$11.34	\$11.34	\$1,383.10
<b>Equipment Investment</b>					
Pickup/General Use Equipment	\$40.01	Dollars	5.65%	\$2.26	\$275.76
Irrigation Equipment	\$435.80	Dollars	5.65%	\$24.62	\$3,003.96
Tractors/Self-Propelled	\$26.42	Dollars	5.65%	\$1.49	\$182.14
Implements	\$48.50	Dollars	5.65%	\$2.74	\$334.29
Cash Rent - Sunflowers Irrigated	1	Acre	\$72.00	\$72.00	\$8,784.00
<b>Total Fixed Costs</b>				<b>\$152.44</b>	<b>\$18,597.66</b>
<b>Total Specified Costs</b>				<b>\$437.25</b>	<b>\$53,345.04</b>
<b>Returns Above Specified Costs</b>				<b>(\$59.25)</b>	<b>(\$7,229.04)</b>
<b>Breakeven Price to Cover Total Costs</b>			\$24.29 CWT		

Example Breakeven Prices			
Exmpl Yield	Example Yield	To Cover Variable Costs	To Cover Total Costs
75%	13.50	\$21.10	\$32.39
90%	16.20	\$17.58	\$26.99
100%	18.00	\$15.82	\$24.29
110%	19.80	\$14.38	\$22.08
125%	22.50	\$12.66	\$19.43

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.**