

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 Estimated Costs and Returns per Acre**  
**Confectionary Sunflowers, Sprinkler Irrigated, Strip Tillage**  
**Panhandle Extension District - 1**

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Confectionary Sunflowers		18.00	CWT	\$21.70	\$390.60	\$47,653.20
Total Revenue					\$390.60	\$47,653.20
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>						
Herbicide						
	Glyphosphate	3	Acre	\$4.87	\$14.62	\$1,783.41
	2-4D	1	Acre	\$2.60	\$2.60	\$317.14
	Prowel H2O	1	Acre	\$14.41	\$14.41	\$1,757.73
Seed						
	Seed - Confectionary Sunflower	1	Acre	\$32.19	\$32.19	\$3,927.31
Fertilizer						
	Fertilizer (N) - Liquid	70	Pound	\$0.48	\$33.72	\$4,114.15
	Fertilizer (P) - Liquid	25	Pound	\$0.48	\$11.94	\$1,456.66
Custom						
	Herbicide Application	3	Acre	\$5.35	\$16.05	\$1,958.27
	Pesticide Application	1	Acre	\$5.35	\$5.35	\$652.76
	Custom Harvest - Sorghum Dryland	1	Acre	\$26.76	\$26.76	\$3,265.06
	Custom Haul - Sunflowers	18	CWT	\$0.48	\$8.65	\$1,055.63
Miscellaneous						
	Crop Insurance Sunflowers - Irrigated	1	Acre	\$21.00	\$21.00	\$2,562.00
Insecticide						
	Ammo	1	Acre	\$3.55	\$3.55	\$432.74
	Seed Insecticide - Sunflower Confection	1	Acre	\$5.08	\$5.08	\$619.79
Irrigation						
	Energy Cost	7.00	AcreInch	\$3.96	\$27.72	\$3,381.84
	Irrigation Labor	0.45	Hour	\$13.65	\$6.12	\$746.05
Machinery Labor						
	Tractors/Self-Propelled	0.21	Hour	\$13.43	\$2.82	\$344.08
	Other Labor	0.25	Hour	\$13.43	\$3.36	\$409.62
Diesel Fuel						
	Tractors/Self-Propelled	1.57	Gallon	\$2.33	\$3.66	\$446.29
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$10.59	\$10.59	\$1,292.50
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$5.52	\$5.52	\$673.20
	Irrigation Equipment	1	Acre	\$26.25	\$26.25	\$3,202.50
	Tractors/Self-Propelled	1	Acre	\$3.51	\$3.51	\$427.70
	Implements	1	Acre	\$10.08	\$10.08	\$1,229.48
	Interest on Credit Line			6.25%	\$7.92	\$966.54
Total Variable Costs					\$303.46	\$37,022.43
Planned Returns Above Variable Costs:					\$87.14	\$10,630.77
Breakeven Price to Cover Variable Costs				\$16.86 CWT		
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	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	\$3.62	\$3.62	\$441.96
	Implements	1	Acre	\$12.96	\$12.96	\$1,580.76
Equipment Investment						
	Pickup/General Use Equipment	\$40.01	Dollars	6.25%	\$2.50	\$305.04
	Irrigation Equipment	\$435.80	Dollars	6.25%	\$27.24	\$3,322.97
	Tractors/Self-Propelled	\$28.22	Dollars	6.25%	\$1.76	\$215.19
	Implements	\$55.43	Dollars	6.25%	\$3.46	\$422.63
	Cash Rent - Sunflowers Irrigated	1	Acre	\$76.00	\$76.00	\$9,272.00
Total Fixed Costs					\$162.14	\$19,781.16
Total Specified Costs					\$465.60	\$56,803.58
Returns Above Specified Costs					(\$75.00)	(\$9,150.38)
Breakeven Price to Cover Total Costs				\$25.87 CWT		

**Example Breakeven Prices**

Examp Yield Percen	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	13.50	\$22.48	\$34.49
90%	16.20	\$18.73	\$28.74
100%	18.00	\$16.86	\$25.87
110%	19.80	\$15.33	\$23.52
125%	22.50	\$13.49	\$20.69

Developed by Justin Benavidez, Assistant Professor, 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.**