

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 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
Confectionary Sunflowers		18.00	CWT	\$24.25	\$436.50	\$53,253.00
Total Revenue					\$436.50	\$53,253.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
	Seed - Confectionary Sunflower	1	Acre	\$34.00	\$34.00	\$4,148.00
Fertilizer						
	Fertilizer (N) - Liquid	20	Pound	\$0.64	\$12.80	\$1,561.60
	Fertilizer (P) - Liquid	24	Pound	\$0.79	\$18.96	\$2,313.12
	Fertilizer (N) - Liquid	50	Pound	\$0.64	\$32.00	\$3,904.00
Herbicide						
	Glyphosphate	1	Acre	\$4.33	\$4.33	\$528.41
	Glyphosphate	1	Acre	\$4.33	\$4.33	\$528.41
	2-4D	1	Acre	\$2.38	\$2.38	\$289.94
	Glyphosphate	1	Acre	\$4.33	\$4.33	\$528.41
	Prowel H2O	1	Acre	\$13.08	\$13.08	\$1,595.28
Insecticide						
	Seed Insecticide - Sunflower Confe	1	Acre	\$4.91	\$4.91	\$599.15
	Ammo	1	Acre	\$3.41	\$3.41	\$415.58
Miscellaneous						
	Crop Insurance Sunflowers - Irriga	1	Acre	\$12.67	\$12.67	\$1,545.98
Custom						
	Herbicide Application	1	Acre	\$5.02	\$5.02	\$612.44
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	Herbicide Application	1	Acre	\$5.02	\$5.02	\$612.44
	Pesticide Application	1	Acre	\$5.02	\$5.02	\$612.44
	Custom Harvest - Sorghum Drylan	1	Acre	\$21.25	\$21.25	\$2,592.50
	Custom Haul - Sunflowers	20	CWT	\$0.36	\$7.16	\$873.22
Irrigation						
	Energy or Water Cost	7.00	AcreInch	\$4.40	\$30.80	\$3,757.60
	Irrigation Labor	0.45	Hour	\$11.75	\$5.26	\$642.21
Machinery Labor						
	Tractors/Self-Propelled	0.39	Hour	\$11.75	\$4.58	\$559.07
Diesel Fuel						
	Tractors/Self-Propelled	1.56	Gallon	\$3.28	\$5.12	\$624.25
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$14.65	\$14.65	\$1,787.50
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	\$5.20	\$5.20	\$634.72
	Implements	1	Acre	\$4.26	\$4.26	\$519.76
	Interest on Credit Line			4.75%	\$6.41	\$782.45
Total Variable Costs					\$305.77	\$37,304.27
Planned Returns Above Variable Costs:					\$130.73	\$15,948.73
Breakeven Price to Cover Variable Costs				\$16.99	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	\$22.50	\$22.50	\$2,745.60
	Tractors/Self-Propelled	1	Acre	\$5.38	\$5.38	\$655.88
	Implements	1	Acre	\$5.48	\$5.48	\$668.27
Equipment Investment						
	Pickup/General Use Equipment	\$68.98	Dollars	5.25%	\$3.62	\$441.79
	Irrigation Equipment	\$703.28	Dollars	5.25%	\$36.92	\$4,504.50
	Tractors/Self-Propelled	\$60.70	Dollars	5.25%	\$3.19	\$388.77
	Implements	\$42.60	Dollars	5.25%	\$2.24	\$272.88
	Cash Rent - Sunflowers Irrigated	1	Acre	\$85.00	\$85.00	\$10,370.00
Total Fixed Costs					\$170.12	\$20,754.54
Total Specified Costs					\$475.89	\$58,058.81
Returns Above Specified Costs					(\$39.39)	(\$4,805.81)
Breakeven Price to Cover Total Costs				\$26.44	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%	13.50	\$22.65	\$22.65	\$35.25	\$35.25	\$0.00
90%	16.20	\$18.87	\$18.87	\$29.38	\$29.38	\$0.00
100%	18.00	\$16.99	\$16.99	\$26.44	\$26.44	\$0.00
110%	19.80	\$15.44	\$15.44	\$24.03	\$24.03	\$0.00
125%	22.50	\$13.59	\$13.59	\$21.15	\$21.15	\$0.00

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.