

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Alfalfa Establishment, Sprinkler Irrigated (NG), Fall Seeding Only**  
**Panhandle Extension District - 1**

Crop Acres	122					
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total	
Total Revenue				\$0.00	\$0.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Custom						
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$915.00	
Fertilizer						
Fertilizer (P) - Dry	80	Pound	\$0.80	\$64.24	\$7,837.28	
Herbicide						
Herbicide and Application Alfalfa	1	Acre	\$58.37	\$58.37	\$7,121.14	
Seed						
Seed - Alfalfa	18	Pound	\$5.54	\$99.72	\$12,165.84	
Irrigation						
Energy Cost	6.00	AcreInch	\$3.80	\$22.80	\$2,781.60	
Irrigation Labor	0.38	Hour	\$17.94	\$6.89	\$840.45	
Machinery Labor						
Tractors/Self-Propelled	0.41	Hour	\$17.65	\$7.24	\$882.85	
Other Labor	0.48	Hour	\$17.65	\$8.47	\$1,033.58	
Diesel Fuel						
Tractors/Self-Propelled	2.21	Gallon	\$3.10	\$6.85	\$835.82	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$22.50	\$22.50	\$2,745.00	
Tractors/Self-Propelled	1	Acre	\$3.77	\$3.77	\$459.96	
Implements	1	Acre	\$6.78	\$6.78	\$827.22	
Interest on Credit Line			9.00%	\$9.83	\$1,199.13	
Total Variable Costs				\$332.38	\$40,550.88	
Planned Returns Above Variable Costs:				(\$332.38)	(\$40,550.88)	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit		Enterprise Total	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$11.83	\$11.83	\$1,443.75	
Tractors/Self-Propelled	1	Acre	\$3.77	\$3.77	\$459.81	
Implements	1	Acre	\$8.07	\$8.07	\$984.36	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67	
Irrigation Equipment	\$142.93	Dollars	9.00%	\$12.86	\$1,569.38	
Tractors/Self-Propelled	\$29.36	Dollars	9.00%	\$2.64	\$322.39	
Implements	\$34.52	Dollars	9.00%	\$3.11	\$378.98	
Cash Rent - Alfalfa	1	Acre	\$200.00	\$200.00	\$24,400.00	
Total Fixed Costs				\$246.55	\$30,079.62	
Total Specified Costs				\$578.94	\$70,630.50	
Returns Above Specified Costs				(\$578.94)	(\$70,630.50)	
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield Percent	Example Yield	To Cover Variable Costs	To Cover Total Costs
75%	0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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**2024 Estimated Costs and Returns per Acre**  
**Alfalfa, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres	122				
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Hay - Alfalfa	5.50	Ton	\$300.00	\$1,650.00	\$201,300.00
Total Revenue				\$1,650.00	\$201,300.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$915.00
Custom Baling	5.5	Ton	\$65.00	\$357.50	\$43,615.00
Fertilizer					
Fertilizer (P) - Liquid	60	Pound	\$0.88	\$52.92	\$6,456.24
Herbicide					
Herbicide & Application Alfalfa	1	Acre	\$50.15	\$50.15	\$6,118.30
Insecticide					
Insecticide & Application Alfalfa	1	Acre	\$7.10	\$7.10	\$866.20
Irrigation					
Energy Cost	24.00	AcreInch	\$3.80	\$91.20	\$11,126.40
Irrigation Labor	1.54	Hour	\$17.94	\$27.56	\$3,361.81
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00
Irrigation Equipment	1	Acre	\$90.00	\$90.00	\$10,980.00
Interest on Credit Line			9.00%	\$10.17	\$1,240.77
Total Variable Costs				\$701.52	\$85,585.72
Planned Returns Above Variable Costs:				\$948.48	\$115,714.28
Breakeven Price to Cover Variable Costs			\$127.55	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30
Irrigation Equipment	1	Acre	\$47.34	\$47.34	\$5,775.00
Equipment Investment					
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67
Irrigation Equipment	\$571.72	Dollars	9.00%	\$51.45	\$6,277.50
Allocated Establishment Cost	1	Acre	\$90.00	\$90.00	\$10,980.00
Cash Rent - Alfalfa	1	Acre	\$200.00	\$200.00	\$24,400.00
Total Fixed Costs				\$393.06	\$47,953.47
Total Specified Costs				\$1,094.58	\$133,539.18
Returns Above Specified Costs				\$555.42	\$67,760.82
Breakeven Price to Cover Total Costs			\$199.02	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	4.13	\$170.07	\$265.35
90%	4.95	\$141.72	\$221.13
100%	5.50	\$127.55	\$199.02
110%	6.05	\$115.95	\$180.92
125%	6.88	\$102.04	\$159.21

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Bt Corn for Grain, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn	225.00	Bushel	\$5.35	\$1,203.75	\$146,857.50	
Total Revenue				\$1,203.75	\$146,857.50	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						Total
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,196.00	
Crop Consultant	1	Acre	\$12.00	\$12.00	\$1,464.00	
Harvest and Haul - Corn	225	Bushel	\$0.48	\$108.00	\$13,176.00	
Fertilizer						
Fertilizer (P) - Liquid	90	Pound	\$0.88	\$79.38	\$9,684.36	
Fertilizer (N) - ANH3	140	Pound	\$0.43	\$59.78	\$7,293.16	
Fertilizer (N) - Liquid	85	Pound	\$0.58	\$49.13	\$5,993.86	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$46.25	\$46.25	\$5,642.50	
Herbicide - Corn Postplant	1	Acre	\$51.00	\$51.00	\$6,222.00	
Insecticide						
Miticide	1	Acre	\$45.00	\$45.00	\$5,490.00	
Miscellaneous						
Crop Insurance Corn Irrigated	1	Acre	\$50.00	\$50.00	\$6,100.00	
Seed						
Seed - Bt Corn for Grain	0.38	Bag	\$320.00	\$121.60	\$14,835.20	
Irrigation						
Energy Cost	22.00	AcreInch	\$3.80	\$83.60	\$10,199.20	
Irrigation Labor	1.34	Hour	\$17.94	\$24.11	\$2,941.59	
Machinery Labor						
Tractors/Self-Propelled	0.32	Hour	\$17.65	\$5.65	\$689.06	
Other Labor	0.38	Hour	\$17.65	\$6.71	\$818.25	
Diesel Fuel						
Tractors/Self-Propelled	2.03	Gallon	\$3.10	\$6.29	\$767.75	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.38	\$7.38	\$900.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$82.50	\$82.50	\$10,065.00	
Interest on Credit Line			9.00%	\$23.90	\$2,915.84	
Total Variable Costs				\$884.04	\$107,852.76	
Planned Returns Above Variable Costs:				\$319.71	\$39,004.74	
Breakeven Price to Cover Variable Costs			\$3.93	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95	
Irrigation Equipment	1	Acre	\$47.34	\$47.34	\$5,775.00	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	9.00%	\$2.45	\$299.50	
Irrigation Equipment	\$571.72	Dollars	9.00%	\$51.45	\$6,277.50	
Cash Rent - Corn	1	Acre	\$200.00	\$200.00	\$24,400.00	
Total Fixed Costs				\$305.20	\$37,233.95	
Total Specified Costs				\$1,189.24	\$145,086.71	
Returns Above Specified Costs				\$14.51	\$1,770.79	
Breakeven Price to Cover Total Costs			\$5.29	Bushel		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Bushel	Costs	Costs
75%	168.75	\$5.24	\$7.05
90%	202.50	\$4.37	\$5.87
100%	225.00	\$3.93	\$5.29
110%	247.50	\$3.57	\$4.80
125%	281.25	\$3.14	\$4.23

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**2024 Estimated Costs and Returns per Acre**  
**Bt Corn for Grain, Strip Till**  
**Panhandle Extension District - 1**

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn	225.00	Bushel	\$5.35	\$1,203.75	\$146,857.50
Total Revenue				\$1,203.75	\$146,857.50
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,196.00
Crop Consultant	1	Acre	\$12.00	\$12.00	\$1,464.00
Harvest and Haul - Corn	225	Bushel	\$0.48	\$108.00	\$13,176.00
Strip Till	1	Acre	\$30.62	\$30.62	\$3,735.64
Fertilizer					
Fertilizer (P) - Liquid	90	Pound	\$0.88	\$79.38	\$9,684.36
Fertilizer (N) - ANH3	140	Pound	\$0.43	\$59.78	\$7,293.16
Fertilizer (N) - Liquid	85	Pound	\$0.58	\$49.13	\$5,993.86
Herbicide					
Herbicide - Corn Preplant	1	Acre	\$46.25	\$46.25	\$5,642.50
Herbicide - Corn Postplant	1	Acre	\$51.00	\$51.00	\$6,222.00
Burndown Herbicide	1	Acre	\$13.50	\$13.50	\$1,647.00
Insecticide					
Miticide	1	Acre	\$45.00	\$45.00	\$5,490.00
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$50.00	\$50.00	\$6,100.00
Seed					
Seed - Bt Corn for Grain	0.38	Bag	\$320.00	\$121.60	\$14,835.20
Irrigation					
Energy Cost	20.00	AcreInch	\$3.80	\$76.00	\$9,272.00
Irrigation Labor	1.28	Hour	\$17.94	\$22.96	\$2,801.51
Machinery Labor					
Tractors/Self-Propelled	0.03	Hour	\$17.65	\$0.53	\$64.60
Other Labor	0.03	Hour	\$17.65	\$0.53	\$64.60
Diesel Fuel					
Tractors/Self-Propelled	0.13	Gallon	\$3.10	\$0.40	\$49.17
Gasoline					
Pickup/General Use Equipment	1	Acre	\$7.38	\$7.38	\$900.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00
Irrigation Equipment	1	Acre	\$75.00	\$75.00	\$9,150.00
Tractors/Self-Propelled	1	Acre	\$0.20	\$0.20	\$24.76
Implements	1	Acre	\$1.85	\$1.85	\$226.05
Interest on Credit Line			9.00%	\$25.99	\$3,170.89
Total Variable Costs				\$898.87	\$109,662.30
Planned Returns Above Variable Costs:				\$304.88	\$37,195.20
Breakeven Price to Cover Variable Costs			\$3.99	Bushel	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95
Irrigation Equipment	1	Acre	\$47.34	\$47.34	\$5,775.00
Tractors/Self-Propelled	1	Acre	\$0.17	\$0.17	\$20.47
Implements	1	Acre	\$2.38	\$2.38	\$290.64
Equipment Investment					
Pickup/General Use Equipment	\$27.28	Dollars	9.00%	\$2.45	\$299.50
Irrigation Equipment	\$571.72	Dollars	9.00%	\$51.45	\$6,277.50
Tractors/Self-Propelled	\$1.31	Dollars	9.00%	\$0.12	\$14.35
Implements	\$10.19	Dollars	9.00%	\$0.92	\$111.90
Cash Rent - Corn	1	Acre	\$200.00	\$200.00	\$24,400.00
Total Fixed Costs				\$308.78	\$37,671.30
Total Specified Costs				\$1,207.65	\$147,333.60
Returns Above Specified Costs				(\$3.90)	(\$476.10)
Breakeven Price to Cover Total Costs			\$5.37	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$5.33	\$7.16
90%	202.50	\$4.44	\$5.96
100%	225.00	\$3.99	\$5.37
110%	247.50	\$3.63	\$4.88
125%	281.25	\$3.20	\$4.29

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**2024 Estimated Costs and Returns per Acre**  
**Corn Silage, Bt, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn Silage	27.00	Ton	\$60.00	\$1,620.00	\$1,620.00	\$197,640.00
Total Revenue				\$1,620.00	\$1,620.00	\$197,640.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						Total
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00		\$2,196.00
Harvest and Haul - Corn Silage	27	Ton	\$12.50	\$337.50		\$41,175.00
Fertilizer						
Fertilizer (P) - Liquid	90	Pound	\$0.88	\$79.38		\$9,684.36
Fertilizer (N) - ANH3	160	Pound	\$0.43	\$68.32		\$8,335.04
Fertilizer (N) - Liquid	95	Pound	\$0.58	\$54.91		\$6,699.02
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$46.25	\$46.25		\$5,642.50
Herbicide - Corn Postplant	1	Acre	\$51.00	\$51.00		\$6,222.00
Insecticide						
Miticide	1	Acre	\$45.00	\$45.00		\$5,490.00
Insecticide and Apply Corn Silage	1	Acre	\$0.00	\$0.00		\$0.00
Miscellaneous						
Crop Insurance Corn Silage Irrigatec	1	Acre	\$45.00	\$45.00		\$5,490.00
Seed						
Seed - Corn Silage	0.44	Bag	\$300.00	\$132.00		\$16,104.00
Irrigation						
Energy Cost	20.00	AcreInch	\$3.80	\$76.00		\$9,272.00
Irrigation Labor	1.28	Hour	\$17.94	\$22.96		\$2,801.51
Machinery Labor						
Tractors/Self-Propelled	0.35	Hour	\$17.65	\$6.18		\$753.66
Other Labor	0.42	Hour	\$17.65	\$7.41		\$904.39
Diesel Fuel						
Tractors/Self-Propelled	2.21	Gallon	\$3.10	\$6.85		\$835.82
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.38	\$7.38		\$900.00
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76		\$459.00
Irrigation Equipment	1	Acre	\$75.00	\$75.00		\$9,150.00
Interest on Credit Line			9.00%	\$27.72		\$3,382.39
Total Variable Costs				\$1,110.63		\$135,496.68
Planned Returns Above Variable Costs:				\$509.37		\$62,143.32
Breakeven Price to Cover Variable Costs			\$41.13	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95		\$481.95
Irrigation Equipment	1	Acre	\$47.34	\$47.34		\$5,775.00
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	9.00%	\$2.45		\$299.50
Irrigation Equipment	\$571.72	Dollars	9.00%	\$51.45		\$6,277.50
Cash Rent - Corn	1	Acre	\$200.00	\$200.00		\$24,400.00
Total Fixed Costs				\$305.20		\$37,233.95
Total Specified Costs				\$1,415.82		\$172,730.63
Returns Above Specified Costs				\$204.18		\$24,909.37
Breakeven Price to Cover Total Costs			\$52.44	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	20.25	\$54.85	\$69.92
90%	24.30	\$45.70	\$58.26
100%	27.00	\$41.13	\$52.44
110%	29.70	\$37.39	\$47.67
125%	33.75	\$32.91	\$41.95

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**2024 Estimated Costs and Returns per Acre**  
**Cotton, Sprinkler Irrigated (Roundup Ready Flex)**  
**Panhandle Extension District - 1**

Crop Acres	122				
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Cotton Lint	1,500.00	Pound	\$0.74	\$1,110.00	\$135,420.00
Cottonseed	1.13	Ton	\$225.00	\$253.13	\$30,881.25
Total Revenue				\$1,363.13	\$166,301.25
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$915.00
Strip and Module - Cotton	15	CWT	\$12.00	\$180.00	\$21,960.00
Ginning - Cotton	54.95	CWT	\$3.25	\$178.59	\$21,787.68
Fertilizer					
Fertilizer (P) - Dry	65	Pound	\$0.80	\$52.20	\$6,367.79
Fertilizer (N) - Dry	135	Pound	\$0.52	\$70.47	\$8,597.34
Herbicide					
Herbicide and Apply Preplant	1	Acre	\$60.15	\$60.15	\$7,338.30
Herbicide and Apply Postemerg	1	Acre	\$49.00	\$49.00	\$5,978.00
Insecticide					
Insecticide and Apply Cotton	1	Acre	\$15.73	\$15.73	\$1,919.06
Boll Weevil Assessment Irrigated	1	Acre	\$1.00	\$1.00	\$122.00
Miscellaneous					
Crop Insurance Cotton - Irrigated	1	Acre	\$58.00	\$58.00	\$7,076.00
Seed					
Seed - Cotton	0.26	Bag	\$375.00	\$97.50	\$11,895.00
Other Chemicals					
Harvest Aid Apply Cotton Irrigatec	1	Acre	\$36.25	\$36.25	\$4,422.50
Irrigation					
Energy Cost	14.00	AcreInch	\$3.80	\$53.20	\$6,490.40
Irrigation Labor	0.77	Hour	\$17.94	\$13.78	\$1,680.91
Machinery Labor					
Tractors/Self-Propelled	0.36	Hour	\$17.65	\$6.35	\$775.19
Other Labor	0.41	Hour	\$17.65	\$7.24	\$882.85
Diesel Fuel					
Tractors/Self-Propelled	1.97	Gallon	\$3.10	\$6.11	\$745.05
Gasoline					
Pickup/General Use Equipment	1	Acre	\$8.36	\$8.36	\$1,020.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$4.26	\$4.26	\$520.20
Irrigation Equipment	1	Acre	\$45.00	\$45.00	\$5,490.00
Interest on Credit Line			9.00%	\$28.94	\$3,530.78
Total Variable Costs				\$979.62	\$119,514.05
Planned Returns Above Variable Costs:				\$383.50	\$46,787.20
Breakeven Price to Cover Variable Costs			\$0.48	Pound	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$4.48	\$4.48	\$546.21
Irrigation Equipment	1	Acre	\$33.50	\$33.50	\$4,087.50
Equipment Investment					
Pickup/General Use Equipment	\$30.91	Dollars	9.00%	\$2.78	\$339.43
Irrigation Equipment	\$470.29	Dollars	9.00%	\$42.33	\$5,163.75
Cash Rent - Cotton Irrigated	1	Acre	\$125.00	\$125.00	\$15,250.00
Total Fixed Costs				\$208.09	\$25,386.89
Total Specified Costs				\$1,187.71	\$144,900.94
Returns Above Specified Costs				\$175.41	\$21,400.31
Breakeven Price to Cover Total Costs			\$0.62	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1125.00	\$0.65	\$0.83
90%	1350.00	\$0.54	\$0.69
100%	1500.00	\$0.48	\$0.62
110%	1650.00	\$0.44	\$0.57
125%	1875.00	\$0.39	\$0.50

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Cotton, Dryland (Roundup Ready Flex)**  
**Panhandle Extension District - 1**

Crop Acres		160				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Cotton Lint	400.00	Pound	\$0.74	\$296.00	\$47,360.00	
Cottonseed	0.30	Ton	\$225.00	\$67.50	\$10,800.00	
Total Revenue				\$363.50	\$58,160.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$1,200.00	
Strip and Module - Cotton	4	CWT	\$12.00	\$48.00	\$7,680.00	
Ginning - Cotton	18	CWT	\$3.25	\$58.50	\$9,360.00	
Fertilizer						
Fertilizer (P) - Dry	20	Pound	\$0.80	\$16.06	\$2,569.60	
Fertilizer (N) - Dry	30	Pound	\$0.52	\$15.66	\$2,505.60	
Herbicide						
Herbicide and Apply Preplant	1	Acre	\$60.15	\$60.15	\$9,624.00	
Herbicide and Apply Postemerge Dry	1	Acre	\$33.49	\$33.49	\$5,358.40	
Insecticide						
Insecticide and Apply Cotton	0.5	Acre	\$15.73	\$7.87	\$1,258.40	
Boll Weevil Assessment Dryland	1	Acre	\$1.00	\$1.00	\$160.00	
Miscellaneous						
Crop Insurance Cotton - Dryland	1	Acre	\$25.00	\$25.00	\$4,000.00	
Seed						
Seed - Cotton Dryland	0.18	Bag	\$335.00	\$60.30	\$9,648.00	
Other Chemicals						
Harvest Aid Apply Cotton Dryland	0.5	Acre	\$36.25	\$18.13	\$2,900.00	
Machinery Labor						
Tractors/Self-Propelled	0.3	Hour	\$17.65	\$5.30	\$847.20	
Other Labor	0.35	Hour	\$17.65	\$6.18	\$988.40	
Diesel Fuel						
Tractors/Self-Propelled	1.74	Gallon	\$3.10	\$5.39	\$863.04	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.88	\$4.88	\$780.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.49	\$2.49	\$397.80	
Tractors/Self-Propelled	1	Acre	\$3.29	\$3.29	\$525.70	
Implements	1	Acre	\$5.62	\$5.62	\$898.85	
Interest on Credit Line			9.00%	\$15.11	\$2,416.99	
Total Variable Costs				\$399.89	\$63,981.99	
Planned Returns Above Variable Costs:				(\$36.39)	(\$5,821.99)	
Breakeven Price to Cover Variable Costs			\$0.83	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.61	\$2.61	\$417.69	
Tractors/Self-Propelled	1	Acre	\$3.25	\$3.25	\$519.47	
Implements	1	Acre	\$6.91	\$6.91	\$1,104.89	
Equipment Investment						
Pickup/General Use Equipment	\$18.03	Dollars	9.00%	\$1.62	\$259.56	
Tractors/Self-Propelled	\$25.29	Dollars	9.00%	\$2.28	\$364.22	
Implements	\$29.54	Dollars	9.00%	\$2.66	\$425.38	
Cash Rent - Cotton Dryland	1	Acre	\$30.00	\$30.00	\$4,800.00	
Total Fixed Costs				\$49.32	\$7,891.21	
Total Specified Costs				\$449.21	\$71,873.20	
Returns Above Specified Costs				(\$85.71)	(\$13,713.20)	
Breakeven Price to Cover Total Costs			\$0.95	Pound		

Example Breakeven Prices			
Exampk	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Pound	Costs	Costs
75%	300.00	\$1.11	\$1.27
90%	360.00	\$0.92	\$1.06
100%	400.00	\$0.83	\$0.95
110%	440.00	\$0.76	\$0.87
125%	500.00	\$0.66	\$0.76

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Peanuts, Runner, Sprinkler Irrigated**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Peanuts - Runner	2.25	Ton	\$600.00	\$1,350.00	\$164,700.00	
Total Revenue				\$1,350.00	\$164,700.00	Enterprise
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	
Production Costs						
Custom						
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$915.00	
Dig and Shake	1	Acre	\$30.00	\$30.00	\$3,660.00	
Harvest and Haul - Peanuts	2.25	Ton	\$60.00	\$135.00	\$16,470.00	
Drying - Peanuts	2.25	Ton	\$20.00	\$45.00	\$5,490.00	
Fertilizer						
Fertilizer (P) - Dry	50	Pound	\$0.80	\$40.15	\$4,898.30	
Fertilizer (N) - Dry	80	Pound	\$0.52	\$41.76	\$5,094.72	
Herbicide						
Herbicide - Peanut	1	Acre	\$50.15	\$50.15	\$6,118.30	
Insecticide						
Insecticide and Apply Peanut	1	Application	\$15.73	\$15.73	\$1,919.06	
Miscellaneous						
Crop Insurance Peanuts - Irrigated	1	Acre	\$65.00	\$65.00	\$7,930.00	
Seed						
Seed - Peanut	100	Pound	\$0.95	\$95.00	\$11,590.00	
Innoculant Peanut	1	Acre	\$6.60	\$6.60	\$805.20	
Fungicides						
Fungicide and Apply Peanut	3	Application	\$25.70	\$77.10	\$9,406.20	
Other Labor						
Hoeing - Peanut	1	Acre	\$27.14	\$27.14	\$3,311.08	
Irrigation						
Energy Cost	21.00	AcreInch	\$3.80	\$79.80	\$9,735.60	
Irrigation Labor	1.34	Hour	\$17.94	\$24.11	\$2,941.59	
Machinery Labor						
Tractors/Self-Propelled	0.52	Hour	\$17.65	\$9.18	\$1,119.72	
Other Labor	0.6	Hour	\$17.65	\$10.59	\$1,291.98	
Diesel Fuel						
Tractors/Self-Propelled	2.99	Gallon	\$3.10	\$9.27	\$1,130.82	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$78.75	\$78.75	\$9,607.50	
Tractors/Self-Propelled	1	Acre	\$5.31	\$5.31	\$647.87	
Implements	1	Acre	\$12.67	\$12.67	\$1,545.87	
Interest on Credit Line			9.00%	\$26.16	\$3,191.06	
Total Variable Costs				\$899.39	\$109,725.85	
Planned Returns Above Variable Costs:				\$450.61	\$54,974.15	
Breakeven Price to Cover Variable Costs			\$399.73	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	Total
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$47.34	\$47.34	\$5,775.00	
Tractors/Self-Propelled	1	Acre	\$5.38	\$5.38	\$655.82	
Implements	1	Acre	\$14.73	\$14.73	\$1,796.56	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67	
Irrigation Equipment	\$571.72	Dollars	9.00%	\$51.45	\$6,277.50	
Tractors/Self-Propelled	\$41.88	Dollars	9.00%	\$3.77	\$459.81	
Implements	\$62.99	Dollars	9.00%	\$5.67	\$691.68	
Cash Rent - Peanuts	1	Acre	\$125.00	\$125.00	\$15,250.00	
Total Fixed Costs				\$257.60	\$31,427.33	
Total Specified Costs				\$1,156.99	\$141,153.18	
Returns Above Specified Costs				\$193.01	\$23,546.82	
Breakeven Price to Cover Total Costs			\$514.22	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	1.69	\$532.97	\$685.63
90%	2.03	\$444.14	\$571.35
100%	2.25	\$399.73	\$514.22
110%	2.48	\$363.39	\$467.47
125%	2.81	\$319.78	\$411.38

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Rotation, Sorghum-Fallow-Wheat, Minimum Till, Sorghum**  
**Panhandle Extension District - 1**

Crop Acres	160				
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Grain Sorghum	25.00	CWT	\$8.25	\$206.25	\$33,000.00
Total Revenue				\$206.25	\$33,000.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,880.00
Custom Harvest - Sorghum Dryland	1	Acre	\$35.00	\$35.00	\$5,600.00
Custom Haul - Sorghum Dryland	25	CWT	\$0.35	\$8.75	\$1,400.00
Fertilizer					
Fertilizer (N) - ANH3	40	Pound	\$0.43	\$17.08	\$2,732.80
Herbicide					
Herbicide and Apply Sorghum	1	Acre	\$49.50	\$49.50	\$7,920.00
Insecticide					
Insecticide Head Worm	0.33	Application	\$27.50	\$9.08	\$1,452.00
Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00	\$3,360.00
Miscellaneous					
Crop Insurance Sorghum - Dryland	1	Acre	\$20.00	\$20.00	\$3,200.00
Seed					
Seed - Sorghum	2.25	Pound	\$3.20	\$7.20	\$1,152.00
Machinery Labor					
Tractors/Self-Propelled	0.13	Hour	\$17.65	\$2.29	\$367.12
Other Labor	0.15	Hour	\$17.65	\$2.65	\$423.60
Diesel Fuel					
Tractors/Self-Propelled	0.88	Gallon	\$3.10	\$2.73	\$436.48
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.88	\$4.88	\$780.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$2.49	\$2.49	\$397.80
Tractors/Self-Propelled	1	Acre	\$2.06	\$2.06	\$329.61
Implements	1	Acre	\$3.94	\$3.94	\$630.64
Interest on Credit Line			9.00%	\$5.85	\$935.50
Total Variable Costs				\$212.48	\$33,997.55
Planned Returns Above Variable Costs:				(\$6.23)	(\$997.55)
Breakeven Price to Cover Variable Costs			\$8.50 CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$2.61	\$2.61	\$417.69
Tractors/Self-Propelled	1	Acre	\$2.09	\$2.09	\$333.88
Implements	1	Acre	\$5.14	\$5.14	\$821.66
Equipment Investment					
Pickup/General Use Equipment	\$18.03	Dollars	9.00%	\$1.62	\$259.56
Tractors/Self-Propelled	\$16.26	Dollars	9.00%	\$1.46	\$234.10
Implements	\$21.97	Dollars	9.00%	\$1.98	\$316.34
Cash Rent - Sorghum	1	Acre	\$30.00	\$30.00	\$4,800.00
Total Fixed Costs				\$44.90	\$7,183.23
Total Specified Costs				\$257.38	\$41,180.78
Returns Above Specified Costs				(\$51.13)	(\$8,180.78)
Breakeven Price to Cover Total Costs			\$10.30 CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	18.75	\$11.33	\$13.73
90%	22.50	\$9.44	\$11.44
100%	25.00	\$8.50	\$10.30
110%	27.50	\$7.73	\$9.36
125%	31.25	\$6.80	\$8.24

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**2024 Estimated Costs and Returns per Acre**  
**Rotation, Sorghum-Fallow-Wheat, Minimum Till, Fallow**  
**Panhandle Extension District - 1**

Crop Acres		160				
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total	
Total Revenue				\$0.00	\$0.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Herbicide						
Herbicide and Apply Fallow	2	Acre	\$28.02	\$56.04	\$8,966.40	
Machinery Labor						
Tractors/Self-Propelled	0.1	Hour	\$17.65	\$1.77	\$282.40	
Other Labor	0.12	Hour	\$17.65	\$2.12	\$338.88	
Diesel Fuel						
Tractors/Self-Propelled	0.78	Gallon	\$3.10	\$2.42	\$386.88	
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$2.05	\$2.05	\$327.34	
Implements	1	Acre	\$2.41	\$2.41	\$385.35	
Interest on Credit Line			9.00%	\$3.29	\$527.00	
Total Variable Costs				\$70.09	\$11,214.26	
Planned Returns Above Variable Costs:				(\$70.09)	(\$11,214.26)	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$2.11	\$2.11	\$338.25	
Implements	1	Acre	\$3.10	\$3.10	\$495.45	
Equipment Investment						
Tractors/Self-Propelled	\$16.47	Dollars	9.00%	\$1.48	\$237.16	
Implements	\$13.25	Dollars	9.00%	\$1.19	\$190.75	
Cash Rent - Wheat Dryland	1	Acre	\$30.00	\$30.00	\$4,800.00	
Total Fixed Costs				\$37.89	\$6,061.62	
Total Specified Costs				\$107.97	\$17,275.87	
Returns Above Specified Costs				(\$107.97)	(\$17,275.87)	
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield Percent	Example Yield	To Cover Variable Costs	To Cover Total Costs
75%	0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Rotation, Sorghum-Fallow-Wheat, Minimum Till, Wheat with Grazing**  
**Panhandle Extension District - 1**

Crop Acres		160				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Wheat		26.00	Bushel	\$5.75	\$149.50	\$23,920.00
Grazing - Wheat		73.00	Pound	\$0.90	\$65.70	\$10,512.00
Total Revenue					\$215.20	\$34,432.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Seed - Wheat Dryland		1	Bushel	\$12.50	\$12.50	\$2,000.00
Fertilizer						
Fertilizer (N) - Dry		30	Pound	\$0.52	\$15.66	\$2,505.60
Custom						
Fertilizer Application		1	Acre	\$7.50	\$7.50	\$1,200.00
Custom Harvest - Wheat		1	Acre	\$35.00	\$35.00	\$5,600.00
Custom Haul - Wheat		26	Bushel	\$0.35	\$9.10	\$1,456.00
Machinery Labor						
Tractors/Self-Propelled		0.05	Hour	\$17.65	\$0.88	\$141.20
Other Labor		0.05	Hour	\$17.65	\$0.88	\$141.20
Diesel Fuel						
Tractors/Self-Propelled		0.2	Gallon	\$3.10	\$0.62	\$99.20
Gasoline						
Pickup/General Use Equipment		1	Acre	\$4.88	\$4.88	\$780.00
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$2.49	\$2.49	\$397.80
Tractors/Self-Propelled		1	Acre	\$0.24	\$0.24	\$38.34
Implements		1	Acre	\$1.66	\$1.66	\$264.81
Interest on Credit Line				9.00%	\$1.72	\$274.42
Total Variable Costs					\$93.12	\$14,898.57
Planned Returns Above Variable Costs:					\$122.08	\$19,533.43
Breakeven Price to Cover Variable Costs				\$1.05	Bushel	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Pickup/General Use Equipment		1	Acre	\$2.61	\$2.61	\$417.69
Tractors/Self-Propelled		1	Acre	\$0.20	\$0.20	\$31.70
Implements		1	Acre	\$2.13	\$2.13	\$340.47
Equipment Investment						
Pickup/General Use Equipment		\$18.03	Dollars	9.00%	\$1.62	\$259.56
Tractors/Self-Propelled		\$1.54	Dollars	9.00%	\$0.14	\$22.22
Implements		\$9.10	Dollars	9.00%	\$0.82	\$131.08
Cash Rent - Wheat Dryland		1	Acre	\$30.00	\$30.00	\$4,800.00
Total Fixed Costs					\$37.52	\$6,002.72
Total Specified Costs					\$130.63	\$20,901.29
Returns Above Specified Costs					\$84.57	\$13,530.71
Breakeven Price to Cover Total Costs				\$2.50	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	19.50	\$1.41	\$3.33
90%	23.40	\$1.17	\$2.77
100%	26.00	\$1.05	\$2.50
110%	28.60	\$0.96	\$2.27
125%	32.50	\$0.84	\$2.00

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Continuous Sorghum, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
<b>REVENUE</b>	<b>Quantity</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>		<b>Total</b>
Grain Sorghum	60.00	CWT	\$8.25	\$495.00		\$60,390.00
Total Revenue				\$495.00		\$60,390.00
<b>VARIABLE COSTS</b>	<b>Quantity</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>		<b>Enterprise Total</b>
<b>Production Costs</b>						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$57.75	\$57.75		\$7,045.50
Seed						
Seed - Sorghum	4	Pound	\$3.20	\$12.80		\$1,561.60
Fertilizer						
Fertilizer (N) - ANH3	60	Pound	\$0.43	\$25.62		\$3,125.64
Fertilizer (P) - Liquid	40	Pound	\$0.88	\$35.28		\$4,304.16
Fertilizer (N) - Liquid	50	Pound	\$0.58	\$28.90		\$3,525.80
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00		\$2,196.00
Harvest and Haul - Sorghum	60	CWT	\$1.00	\$60.00		\$7,320.00
Miscellaneous						
Crop Insurance Sorghum - Irrigated	1	Acre	\$30.00	\$30.00		\$3,660.00
Insecticide						
Insecticide Head Worm	0.67	Application	\$27.50	\$18.43		\$2,247.85
Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00		\$2,562.00
Irrigation						
Energy Cost	10.00	AcreInch	\$3.80	\$38.00		\$4,636.00
Irrigation Labor	0.90	Hour	\$17.94	\$16.07		\$1,961.06
Machinery Labor						
Tractors/Self-Propelled	0.16	Hour	\$17.65	\$2.82		\$344.53
Other Labor	0.19	Hour	\$17.65	\$3.35		\$409.13
Diesel Fuel						
Tractors/Self-Propelled	1.09	Gallon	\$3.10	\$3.38		\$412.24
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92		\$600.00
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51		\$306.00
Irrigation Equipment	1	Acre	\$37.50	\$37.50		\$4,575.00
Tractors/Self-Propelled	1	Acre	\$2.55	\$2.55		\$311.52
Implements	1	Acre	\$6.25	\$6.25		\$762.61
Interest on Credit Line			9.00%	\$13.56		\$1,653.91
Total Variable Costs				\$438.69		\$53,520.53
Planned Returns Above Variable Costs:				\$56.31		\$6,869.47
Breakeven Price to Cover Variable Costs			\$7.31 CWT			
<b>FIXED COSTS</b>	<b>Quantity</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>		<b>Enterprise Total</b>
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63		\$321.30
Irrigation Equipment	1	Acre	\$47.34	\$47.34		\$5,775.00
Tractors/Self-Propelled	1	Acre	\$2.60	\$2.60		\$316.78
Implements	1	Acre	\$7.72	\$7.72		\$941.49
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64		\$199.67
Irrigation Equipment	\$571.72	Dollars	9.00%	\$51.45		\$6,277.50
Tractors/Self-Propelled	\$20.23	Dollars	9.00%	\$1.82		\$222.11
Implements	\$33.01	Dollars	9.00%	\$2.97		\$362.47
Cash Rent - Sorghum f	1	Acre	\$125.00	\$125.00		\$15,250.00
Total Fixed Costs				\$243.17		\$29,666.31
Total Specified Costs				\$681.86		\$83,186.84
Returns Above Specified Costs				(\$186.86)		(\$22,796.84)
Breakeven Price to Cover Total Costs			\$11.36 CWT			

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	45.00	\$9.75	\$15.15
90%	54.00	\$8.12	\$12.63
100%	60.00	\$7.31	\$11.36
110%	66.00	\$6.65	\$10.33
125%	75.00	\$5.85	\$9.09

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Sorghum, Dryland, Continuous, Minimum Tillage**  
**Panhandle Extension District - 1**

Crop Acres	160					Enterprise
<b>REVENUE</b>	Quantity	Units	\$/Unit	Total	Total	
Grain Sorghum	25.00	CWT	\$8.25	\$206.25	\$33,000.00	
Total Revenue				\$206.25	\$33,000.00	
<b>VARIABLE COSTS</b>	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Herbicide and Apply Sorghum	1	Acre	\$49.50	\$49.50	\$7,920.00	
Seed						
Seed - Sorghum	2.25	Pound	\$3.20	\$7.20	\$1,152.00	
Fertilizer						
Fertilizer (N) - ANH3	40	Pound	\$0.43	\$17.08	\$2,732.80	
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,880.00	
Custom Harvest - Sorghum Dryland	1	Acre	\$35.00	\$35.00	\$5,600.00	
Custom Haul - Sorghum Dryland	25	CWT	\$0.35	\$8.75	\$1,400.00	
Miscellaneous						
Crop Insurance Sorghum - Dryland	1	Acre	\$20.00	\$20.00	\$3,200.00	
Insecticide						
Insecticide Head Worm	0.67	Application	\$27.50	\$18.43	\$2,948.00	
Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00	\$3,360.00	
Machinery Labor						
Tractors/Self-Propelled	0.13	Hour	\$17.65	\$2.29	\$367.12	
Other Labor	0.15	Hour	\$17.65	\$2.65	\$423.60	
Diesel Fuel						
Tractors/Self-Propelled	0.88	Gallon	\$3.10	\$2.73	\$436.48	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.88	\$4.88	\$780.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.49	\$2.49	\$397.80	
Tractors/Self-Propelled	1	Acre	\$2.06	\$2.06	\$329.61	
Implements	1	Acre	\$3.94	\$3.94	\$630.64	
Interest on Credit Line			9.00%	\$6.05	\$967.60	
Total Variable Costs				\$222.04	\$35,525.64	
Planned Returns Above Variable Costs:				(\$15.79)	(\$2,525.64)	
Breakeven Price to Cover Variable Costs			\$8.88	CWT		
<b>FIXED COSTS</b>	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.61	\$2.61	\$417.69	
Tractors/Self-Propelled	1	Acre	\$2.09	\$2.09	\$333.88	
Implements	1	Acre	\$5.14	\$5.14	\$821.66	
Equipment Investment						
Pickup/General Use Equipment	\$18.03	Dollars	9.00%	\$1.62	\$259.56	
Tractors/Self-Propelled	\$16.26	Dollars	9.00%	\$1.46	\$234.10	
Implements	\$21.97	Dollars	9.00%	\$1.98	\$316.34	
Cash Rent - Sorghum	1	Acre	\$30.00	\$30.00	\$4,800.00	
Total Fixed Costs				\$44.90	\$7,183.23	
Total Specified Costs				\$266.93	\$42,708.87	
Returns Above Specified Costs				(\$60.68)	(\$9,708.87)	
Breakeven Price to Cover Total Costs			\$10.68	CWT		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	CWT	Costs	Costs
75%	18.75	\$11.84	\$14.24
90%	22.50	\$9.87	\$11.86
100%	25.00	\$8.88	\$10.68
110%	27.50	\$8.07	\$9.71
125%	31.25	\$7.11	\$8.54

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Seed Sorghum, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Seed Sorghum - Female Only		45.00	CWT	\$24.06	\$1,082.70	\$132,089.40
Total Revenue					\$1,082.70	\$132,089.40
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Herbicide						
Seed	Herbicide and Apply Sorghum Irrig.	1	Acre	\$57.75	\$57.75	\$7,045.50
	Seed - Sorghum	0	Pound	\$3.20	\$0.00	\$0.00
Fertilizer						
	Fertilizer (N) - ANH3	65	Pound	\$0.43	\$27.76	\$3,386.11
	Fertilizer (P) - Liquid	50	Pound	\$0.88	\$44.10	\$5,380.20
	Fertilizer (N) - Liquid	60	Pound	\$0.58	\$34.68	\$4,230.96
Custom						
	Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,196.00
	Harvest and Haul - Sorghum	45	CWT	\$1.00	\$45.00	\$5,490.00
Miscellaneous						
	Crop Insurance Sorghum - Irrigated	1	Acre	\$30.00	\$30.00	\$3,660.00
Insecticide						
	Insecticide Head Worm	0.67	Application	\$27.50	\$18.43	\$2,247.85
	Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00	\$2,562.00
Irrigation						
	Energy Cost	16.00	AcreInch	\$3.80	\$60.80	\$7,417.60
	Irrigation Labor	1.02	Hour	\$17.94	\$18.37	\$2,241.21
Machinery Labor						
	Tractors/Self-Propelled	0.16	Hour	\$17.65	\$2.82	\$344.53
	Other Labor	0.19	Hour	\$17.65	\$3.35	\$409.13
Diesel Fuel						
	Tractors/Self-Propelled	1.09	Gallon	\$3.10	\$3.38	\$412.24
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00
	Irrigation Equipment	1	Acre	\$60.00	\$60.00	\$7,320.00
	Tractors/Self-Propelled	1	Acre	\$2.55	\$2.55	\$311.52
	Implements	1	Acre	\$6.25	\$6.25	\$762.61
	Interest on Credit Line			9.00%	\$14.73	\$1,797.04
Total Variable Costs					\$476.40	\$58,120.49
Planned Returns Above Variable Costs:					\$606.30	\$73,968.91
Breakeven Price to Cover Variable Costs				\$10.59	CWT	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30
	Irrigation Equipment	1	Acre	\$40.42	\$40.42	\$4,931.25
	Tractors/Self-Propelled	1	Acre	\$2.60	\$2.60	\$316.78
	Implements	1	Acre	\$7.72	\$7.72	\$941.49
Equipment Investment						
	Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67
	Irrigation Equipment	\$521.00	Dollars	9.00%	\$46.89	\$5,720.63
	Tractors/Self-Propelled	\$20.23	Dollars	9.00%	\$1.82	\$222.11
	Implements	\$33.01	Dollars	9.00%	\$2.97	\$362.47
	Cash Rent - Sorghum f	1	Acre	\$125.00	\$125.00	\$15,250.00
Total Fixed Costs					\$231.69	\$28,265.69
Total Specified Costs					\$708.08	\$86,386.17
Returns Above Specified Costs					\$374.62	\$45,703.23
Breakeven Price to Cover Total Costs				\$15.74	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$14.12	\$20.98
90%	40.50	\$11.76	\$17.48
100%	45.00	\$10.59	\$15.74
110%	49.50	\$9.62	\$14.30
125%	56.25	\$8.47	\$12.59

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Sorghum Sudangrass, Dryland, Grazing**  
**Panhandle Extension District - 1**

Crop Acres	160					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grazing - Sorghum	336.00	Pound	\$0.90	\$302.40	\$48,384.00	
Total Revenue				\$302.40	\$48,384.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						Total
Fertilizer						
Fertilizer (N) - ANH3	50	Pound	\$0.43	\$21.35	\$3,416.00	
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,880.00	
Seed						
Seed - Sorghum Sudangrass	15	Pound	\$0.90	\$13.50	\$2,160.00	
Miscellaneous						
Crop Insurance Sorghum Sudan Dry	1	Acre	\$20.00	\$20.00	\$3,200.00	
Herbicide						
Herbicide and Apply Sorghum Suda	1	Acre	\$30.43	\$30.43	\$4,868.80	
Machinery Labor						
Tractors/Self-Propelled	0.26	Hour	\$17.65	\$4.59	\$734.24	
Other Labor	0.3	Hour	\$17.65	\$5.30	\$847.20	
Diesel Fuel						
Tractors/Self-Propelled	1.5	Gallon	\$3.10	\$4.65	\$744.00	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.88	\$4.88	\$780.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.49	\$2.49	\$397.80	
Tractors/Self-Propelled	1	Acre	\$2.74	\$2.74	\$438.67	
Implements	1	Acre	\$3.07	\$3.07	\$490.99	
Interest on Credit Line			9.00%	\$4.93	\$789.35	
Total Variable Costs				\$135.92	\$21,747.05	
Planned Returns Above Variable Costs:				\$166.48	\$26,636.95	
Breakeven Price to Cover Variable Costs			\$0.40	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.61	\$2.61	\$417.69	
Tractors/Self-Propelled	1	Acre	\$2.78	\$2.78	\$445.37	
Implements	1	Acre	\$3.89	\$3.89	\$622.84	
Equipment Investment						
Pickup/General Use Equipment	\$18.03	Dollars	9.00%	\$1.62	\$259.56	
Tractors/Self-Propelled	\$21.68	Dollars	9.00%	\$1.95	\$312.26	
Implements	\$16.65	Dollars	9.00%	\$1.50	\$239.80	
Cash Rent - Sorghum	1	Acre	\$30.00	\$30.00	\$4,800.00	
Total Fixed Costs				\$44.36	\$7,097.52	
Total Specified Costs				\$180.28	\$28,844.58	
Returns Above Specified Costs				\$122.12	\$19,539.42	
Breakeven Price to Cover Total Costs			\$0.54	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	252.00	\$0.54	\$0.72
90%	302.40	\$0.45	\$0.60
100%	336.00	\$0.40	\$0.54
110%	369.60	\$0.37	\$0.49
125%	420.00	\$0.32	\$0.43

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Sorghum Sudangrass, Sprinkler Irrigated (NG), Grazing**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
<b>REVENUE</b>	<b>Quantity</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>		<b>Total</b>
Grazing - Sorghum	800.00	Pound	\$0.90	\$720.00		\$87,840.00
Total Revenue				\$720.00		\$87,840.00
<b>VARIABLE COSTS</b>	<b>Quantity</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>		<b>Enterprise Total</b>
<b>Production Costs</b>						
Fertilizer						
Fertilizer (N) - ANH3	150	Pound	\$0.43	\$64.05		\$7,814.10
Fertilizer (P) - Liquid	50	Pound	\$0.88	\$44.10		\$5,380.20
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00		\$2,196.00
Miscellaneous						
Crop Insurance Sorghum Sudan Irrigator	1	Acre	\$25.00	\$25.00		\$3,050.00
Herbicide						
Herbicide and Apply Sorghum Sudan	1	Acre	\$30.43	\$30.43		\$3,712.46
Seed						
Seed - Sorghum Sudangrass	22	Pound	\$0.90	\$19.80		\$2,415.60
Irrigation						
Energy Cost	9.00	AcreInch	\$3.80	\$34.20		\$4,172.40
Irrigation Labor	0.58	Hour	\$17.94	\$10.33		\$1,260.68
Machinery Labor						
Tractors/Self-Propelled	0.25	Hour	\$17.65	\$4.41		\$538.33
Other Labor	0.29	Hour	\$17.65	\$5.12		\$624.46
Diesel Fuel						
Tractors/Self-Propelled	1.53	Gallon	\$3.10	\$4.74		\$578.65
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92		\$600.00
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51		\$306.00
Irrigation Equipment	1	Acre	\$33.75	\$33.75		\$4,117.50
Tractors/Self-Propelled	1	Acre	\$3.03	\$3.03		\$369.51
Implements	1	Acre	\$5.57	\$5.57		\$680.02
Interest on Credit Line			9.00%	\$10.85		\$1,324.15
Total Variable Costs				\$320.82		\$39,140.05
Planned Returns Above Variable Costs:				\$399.18		\$48,699.95
Breakeven Price to Cover Variable Costs			\$0.40	Pound		
<b>FIXED COSTS</b>	<b>Quantity</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>		<b>Enterprise Total</b>
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63		\$321.30
Irrigation Equipment	1	Acre	\$30.74	\$30.74		\$3,750.00
Tractors/Self-Propelled	1	Acre	\$3.08	\$3.08		\$375.78
Implements	1	Acre	\$6.93	\$6.93		\$845.49
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64		\$199.67
Irrigation Equipment	\$450.00	Dollars	9.00%	\$40.50		\$4,941.00
Tractors/Self-Propelled	\$24.00	Dollars	9.00%	\$2.16		\$263.47
Implements	\$29.65	Dollars	9.00%	\$2.67		\$325.51
Cash Rent - Sorghum f	1	Acre	\$125.00	\$125.00		\$15,250.00
Total Fixed Costs				\$215.35		\$26,272.22
Total Specified Costs				\$536.17		\$65,412.26
Returns Above Specified Costs				\$183.83		\$22,427.74
Breakeven Price to Cover Total Costs			\$0.67	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	600.00	\$0.53	\$0.89
90%	720.00	\$0.45	\$0.74
100%	800.00	\$0.40	\$0.67
110%	880.00	\$0.36	\$0.61
125%	1000.00	\$0.32	\$0.54

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**2024 Estimated Costs and Returns per Acre**  
**Sorghum Silage, Sprinkler Irrigated**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Sorghum Silage	25.00	Ton	\$51.00	\$1,275.00	\$155,550.00	
Total Revenue				\$1,275.00	\$155,550.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						Total
Fertilizer						
Fertilizer (N) - ANH3	100	Pound	\$0.43	\$42.70	\$5,209.40	
Fertilizer (P) - Dry	50	Pound	\$0.80	\$40.15	\$4,898.30	
Fertilizer (N) - Liquid	45	Pound	\$0.58	\$26.01	\$3,173.22	
Custom						
Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,196.00	
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$915.00	
Harvest and Haul - Sorghum Silage	25	Ton	\$12.50	\$312.50	\$38,125.00	
Miscellaneous						
Crop Insurance Sorghum Silage	1	Acre	\$26.00	\$26.00	\$3,172.00	
Insecticide						
Insecticide Head Worm	0.33	Application	\$27.50	\$9.08	\$1,107.15	
Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00	\$2,562.00	
Herbicide						
Herbicide and Apply Sorghum Silage	1	Acre	\$57.75	\$57.75	\$7,045.50	
Seed						
Seed - Sorghum	5	Pound	\$3.20	\$16.00	\$1,952.00	
Irrigation						
Energy Cost	14.00	AcreInch	\$3.80	\$53.20	\$6,490.40	
Irrigation Labor	0.83	Hour	\$17.94	\$14.93	\$1,820.98	
Machinery Labor						
Tractors/Self-Propelled	0.23	Hour	\$17.65	\$4.06	\$495.26	
Other Labor	0.27	Hour	\$17.65	\$4.77	\$581.39	
Diesel Fuel						
Tractors/Self-Propelled	1.41	Gallon	\$3.10	\$4.37	\$533.26	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.38	\$7.38	\$900.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$52.50	\$52.50	\$6,405.00	
Interest on Credit Line			9.00%	\$14.56	\$1,776.51	
Total Variable Costs				\$736.21	\$89,817.37	
Planned Returns Above Variable Costs:				\$538.79	\$65,732.63	
Breakeven Price to Cover Variable Costs			\$29.45	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						Total
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95	
Irrigation Equipment	1	Acre	\$36.27	\$36.27	\$4,425.00	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	9.00%	\$2.45	\$299.50	
Irrigation Equipment	\$490.57	Dollars	9.00%	\$44.15	\$5,386.50	
Cash Rent - Sorghum Silage	1	Acre	\$125.00	\$125.00	\$15,250.00	
Total Fixed Costs				\$211.83	\$25,842.95	
Total Specified Costs				\$948.04	\$115,660.32	
Returns Above Specified Costs				\$326.96	\$39,889.68	
Breakeven Price to Cover Total Costs			\$37.92	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	18.75	\$39.26	\$50.56
90%	22.50	\$32.72	\$42.13
100%	25.00	\$29.45	\$37.92
110%	27.50	\$26.77	\$34.47
125%	31.25	\$23.56	\$30.34

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**2024 Estimated Costs and Returns per Acre**  
**Soybeans, Roundup Ready, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Soybeans	60.00	Bushel	\$11.00	\$660.00	\$80,520.00	
Total Revenue				\$660.00	\$80,520.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						Total
Seed						
Seed - Soybeans	1	Bag	\$76.00	\$76.00	\$9,272.00	
Innoculant Soybeans	1	Acre	\$7.10	\$7.10	\$866.20	
Fertilizer						
Fertilizer (P) - Liquid	50	Pound	\$0.88	\$44.10	\$5,380.20	
Custom						
Harvest and Haul - Soybeans	60	Bushel	\$1.00	\$60.00	\$7,320.00	
Herbicide						
Herbicide and Apply Soybeans	2	Acre	\$30.25	\$60.50	\$7,381.00	
Insecticide						
Insecticide and Apply Soybeans	0.5	Acre	\$14.77	\$7.39	\$900.97	
Miscellaneous						
Crop Insurance Soybeans	1	Acre	\$25.00	\$25.00	\$3,050.00	
Irrigation						
Energy Cost	16.00	AcreInch	\$3.80	\$60.80	\$7,417.60	
Irrigation Labor	0.90	Hour	\$17.94	\$16.07	\$1,961.06	
Machinery Labor						
Tractors/Self-Propelled	0.12	Hour	\$17.65	\$2.12	\$258.40	
Other Labor	0.14	Hour	\$17.65	\$2.47	\$301.46	
Diesel Fuel						
Tractors/Self-Propelled	0.78	Gallon	\$3.10	\$2.42	\$295.00	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$52.50	\$52.50	\$6,405.00	
Tractors/Self-Propelled	1	Acre	\$1.74	\$1.74	\$212.22	
Implements	1	Acre	\$5.53	\$5.53	\$674.64	
Interest on Credit Line			9.00%	\$11.93	\$1,455.78	
Total Variable Costs				\$443.09	\$54,057.51	
Planned Returns Above Variable Costs:				\$216.91	\$26,462.49	
Breakeven Price to Cover Variable Costs			\$7.38	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$40.42	\$40.42	\$4,931.25	
Tractors/Self-Propelled	1	Acre	\$1.76	\$1.76	\$214.17	
Implements	1	Acre	\$6.96	\$6.96	\$848.74	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67	
Irrigation Equipment	\$521.00	Dollars	9.00%	\$46.89	\$5,720.63	
Tractors/Self-Propelled	\$13.68	Dollars	9.00%	\$1.23	\$150.16	
Implements	\$29.76	Dollars	9.00%	\$2.68	\$326.76	
Cash Rent - Soybeans	1	Acre	\$125.00	\$125.00	\$15,250.00	
Total Fixed Costs				\$229.20	\$27,962.68	
Total Specified Costs				\$672.30	\$82,020.19	
Returns Above Specified Costs				(\$12.30)	(\$1,500.19)	
Breakeven Price to Cover Total Costs			\$11.20	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	45.00	\$9.85	\$14.94
90%	54.00	\$8.21	\$12.45
100%	60.00	\$7.38	\$11.20
110%	66.00	\$6.71	\$10.19
125%	75.00	\$5.91	\$8.96

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Triticale Silage, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Triticale Silage		10.00	Ton	\$51.60	\$516.00	\$62,952.00
Total Revenue					\$516.00	\$62,952.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Fertilizer						
	Fertilizer (N) - ANH3	55	Pound	\$0.43	\$23.49	\$2,865.17
	Fertilizer (P) - Liquid	35	Pound	\$0.88	\$30.87	\$3,766.14
	Fertilizer (N) - Liquid	25	Pound	\$0.58	\$14.45	\$1,762.90
Custom						
	Fertilizer Application - ANH3	1	Acre	\$18.00	\$18.00	\$2,196.00
	Harvest and Haul - Triticale Silage	10	Ton	\$12.50	\$125.00	\$15,250.00
Insecticide						
	Insecticide and Apply Triticale	1	Acre	\$14.62	\$14.62	\$1,783.64
Seed						
	Seed - Triticale	0.6	CWT	\$25.00	\$15.00	\$1,830.00
Irrigation						
	Energy Cost	10.00	AcreInch	\$3.80	\$38.00	\$4,636.00
	Irrigation Labor	0.96	Hour	\$17.94	\$17.22	\$2,101.13
Machinery Labor						
	Tractors/Self-Propelled	0.25	Hour	\$17.65	\$4.41	\$538.33
	Other Labor	0.29	Hour	\$17.65	\$5.12	\$624.46
Diesel Fuel						
	Tractors/Self-Propelled	1.53	Gallon	\$3.10	\$4.74	\$578.65
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00
	Irrigation Equipment	1	Acre	\$37.50	\$37.50	\$4,575.00
	Tractors/Self-Propelled	1	Acre	\$3.03	\$3.03	\$369.51
	Implements	1	Acre	\$5.57	\$5.57	\$680.02
	Interest on Credit Line			9.00%	\$13.97	\$1,704.61
Total Variable Costs					\$378.42	\$46,167.55
Planned Returns Above Variable Costs:					\$137.58	\$16,784.45
Breakeven Price to Cover Variable Costs				\$37.84	Ton	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30
	Irrigation Equipment	1	Acre	\$33.50	\$33.50	\$4,087.50
	Tractors/Self-Propelled	1	Acre	\$3.08	\$3.08	\$375.78
	Implements	1	Acre	\$6.93	\$6.93	\$845.49
Equipment Investment						
	Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67
	Irrigation Equipment	\$470.29	Dollars	9.00%	\$42.33	\$5,163.75
	Tractors/Self-Propelled	\$24.00	Dollars	9.00%	\$2.16	\$263.47
	Implements	\$29.65	Dollars	9.00%	\$2.67	\$325.51
	Cash Rent - Triticale Irrigated	1	Acre	\$125.00	\$125.00	\$15,250.00
Total Fixed Costs					\$219.94	\$26,832.47
Total Specified Costs					\$598.36	\$73,000.02
Returns Above Specified Costs					(\$82.36)	(\$10,048.02)
Breakeven Price to Cover Total Costs				\$59.84	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	7.50	\$50.46	\$79.78
90%	9.00	\$42.05	\$66.48
100%	10.00	\$37.84	\$59.84
110%	11.00	\$34.40	\$54.40
125%	12.50	\$30.27	\$47.87

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Oilseed Sunflowers, Dryland, Strip Tillage**  
**Panhandle Extension District - 1**

Crop Acres	160					Enterprise
<b>REVENUE</b>	Quantity	Units	\$/Unit	Total	Total	
Oilseed Sunflowers	10.00	CWT	\$20.00	\$200.00	\$32,000.00	
Total Revenue				\$200.00	\$32,000.00	
<b>VARIABLE COSTS</b>	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Herbicide						
Glyphosate	3	Acre	\$12.00	\$36.00	\$5,760.00	
2-4D	1	Acre	\$3.00	\$3.00	\$480.00	
Prowl H2O	1	Acre	\$14.50	\$14.50	\$2,320.00	
Seed						
Seed - Sunflower	1	Acre	\$20.00	\$20.00	\$3,200.00	
Fertilizer						
Fertilizer (N) - Liquid	40	Pound	\$0.58	\$23.12	\$3,699.20	
Custom						
Herbicide Application	3	Acre	\$7.50	\$22.50	\$3,600.00	
Pesticide Application	1	Acre	\$7.50	\$7.50	\$1,200.00	
Custom Harvest - Sunflowers	1	Acre	\$45.00	\$45.00	\$7,200.00	
Custom Haul - Sunflowers	10	CWT	\$0.70	\$7.00	\$1,120.00	
Miscellaneous						
Crop Insurance Sunflowers - Dryland	1	Acre	\$15.00	\$15.00	\$2,400.00	
Insecticide						
Seed Insecticide - Sunflower	1	Acre	\$10.30	\$10.30	\$1,648.00	
Ammo	1	Acre	\$4.00	\$4.00	\$640.00	
Machinery Labor						
Tractors/Self-Propelled	0.08	Hour	\$17.65	\$1.41	\$225.92	
Other Labor	0.1	Hour	\$17.65	\$1.77	\$282.40	
Diesel Fuel						
Tractors/Self-Propelled	0.64	Gallon	\$3.10	\$1.98	\$317.44	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.88	\$4.88	\$780.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.49	\$2.49	\$397.80	
Interest on Credit Line			9.00%	\$9.32	\$1,490.71	
Total Variable Costs				\$229.76	\$36,761.47	
Planned Returns Above Variable Costs:				(\$29.76)	(\$4,761.47)	
Breakeven Price to Cover Variable Costs			\$22.98 CWT			
<b>FIXED COSTS</b>	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.61	\$2.61	\$417.69	
Equipment Investment						
Pickup/General Use Equipment	\$18.03	Dollars	9.00%	\$1.62	\$259.56	
Cash Rent - Sunflowers Dryland	1	Acre	\$30.00	\$30.00	\$4,800.00	
Total Fixed Costs				\$34.23	\$5,477.25	
Total Specified Costs				\$263.99	\$42,238.73	
Returns Above Specified Costs				(\$63.99)	(\$10,238.73)	
Breakeven Price to Cover Total Costs			\$26.40 CWT			

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	7.50	\$30.63	\$35.20
90%	9.00	\$25.53	\$29.33
100%	10.00	\$22.98	\$26.40
110%	11.00	\$20.89	\$24.00
125%	12.50	\$18.38	\$21.12

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Oilseed Sunflowers, Sprinkler Irrigated, Strip Tillage**  
**Panhandle Extension District - 1**

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Oilseed Sunflowers	20.00	CWT	\$20.00	\$400.00	\$48,800.00
Total Revenue				\$400.00	\$48,800.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Glyphosate	3	Acre	\$12.00	\$36.00	\$4,392.00
2-4D	1	Acre	\$3.00	\$3.00	\$366.00
Prowl H2O	1	Acre	\$14.50	\$14.50	\$1,769.00
Seed					
Seed - Oilseed Sunflower	1	Acre	\$34.00	\$34.00	\$4,148.00
Fertilizer					
Fertilizer (N) - Liquid	70	Pound	\$0.58	\$40.46	\$4,936.12
Fertilizer (P) - Liquid	25	Pound	\$0.88	\$22.05	\$2,690.10
Custom					
Herbicide Application	3	Acre	\$7.50	\$22.50	\$2,745.00
Pesticide Application	1	Acre	\$7.50	\$7.50	\$915.00
Custom Harvest - Sunflowers	1	Acre	\$45.00	\$45.00	\$5,490.00
Custom Haul - Sunflowers	20	CWT	\$0.70	\$14.00	\$1,708.00
Miscellaneous					
Crop Insurance Sunflowers - Irrigated	1	Acre	\$25.00	\$25.00	\$3,050.00
Insecticide					
Ammo	1	Acre	\$4.00	\$4.00	\$488.00
Seed Insecticide - Sunflower Irrigated	1	Acre	\$12.63	\$12.63	\$1,540.86
Irrigation					
Energy Cost	7.00	AcreInch	\$3.80	\$26.60	\$3,245.20
Irrigation Labor	0.45	Hour	\$17.94	\$8.04	\$980.53
Machinery Labor					
Tractors/Self-Propelled	0.08	Hour	\$17.65	\$1.41	\$172.26
Other Labor	0.1	Hour	\$17.65	\$1.77	\$215.33
Diesel Fuel					
Tractors/Self-Propelled	0.64	Gallon	\$3.10	\$1.98	\$242.05
Gasoline					
Pickup/General Use Equipment	1	Acre	\$10.82	\$10.82	\$1,320.00
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	\$1.64	\$1.64	\$199.68
Implements	1	Acre	\$3.06	\$3.06	\$372.97
Interest on Credit Line			9.00%	\$16.79	\$2,048.66
Total Variable Costs				\$384.51	\$46,910.46
Planned Returns Above Variable Costs:				\$15.49	\$1,889.54
Breakeven Price to Cover Variable Costs			\$19.23	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	\$1.69	\$1.69	\$206.34
Implements	1	Acre	\$3.93	\$3.93	\$479.53
Equipment Investment					
Pickup/General Use Equipment	\$40.01	Dollars	9.00%	\$3.60	\$439.26
Irrigation Equipment	\$435.80	Dollars	9.00%	\$39.22	\$4,785.08
Tractors/Self-Propelled	\$13.18	Dollars	9.00%	\$1.19	\$144.67
Implements	\$16.81	Dollars	9.00%	\$1.51	\$184.62
Cash Rent - Sunflowers Irrigated	1	Acre	\$125.00	\$125.00	\$15,250.00
Total Fixed Costs				\$210.74	\$25,710.10
Total Specified Costs				\$595.25	\$72,620.57
Returns Above Specified Costs				(\$195.25)	(\$23,820.57)
Breakeven Price to Cover Total Costs			\$29.76	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	15.00	\$25.63	\$39.68
90%	18.00	\$21.36	\$33.07
100%	20.00	\$19.23	\$29.76
110%	22.00	\$17.48	\$27.06
125%	25.00	\$15.38	\$23.81

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Confectionary Sunflowers, Sprinkler Irrigated, Strip Tillage**  
**Panhandle Extension District - 1**

Crop Acres	122					Enterprise
<b>REVENUE</b>	Quantity	Units	\$/Unit	Total	Total	
Confectionary Sunflowers	18.00	CWT	\$25.00	\$450.00	\$54,900.00	
Total Revenue				\$450.00	\$54,900.00	
<b>VARIABLE COSTS</b>	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Glyphosate	3	Acre	\$12.00	\$36.00	\$4,392.00	
2-4D	1	Acre	\$3.00	\$3.00	\$366.00	
Prowl H2O	1	Acre	\$14.50	\$14.50	\$1,769.00	
Seed						
Seed - Confectionary Sunflower	1	Acre	\$34.00	\$34.00	\$4,148.00	
Fertilizer						
Fertilizer (N) - Liquid	70	Pound	\$0.58	\$40.46	\$4,936.12	
Fertilizer (P) - Liquid	25	Pound	\$0.88	\$22.05	\$2,690.10	
Custom						
Herbicide Application	3	Acre	\$7.50	\$22.50	\$2,745.00	
Pesticide Application	1	Acre	\$7.50	\$7.50	\$915.00	
Custom Harvest - Sunflowers	1	Acre	\$45.00	\$45.00	\$5,490.00	
Custom Haul - Sunflowers	18	CWT	\$0.70	\$12.60	\$1,537.20	
Miscellaneous						
Crop Insurance Sunflowers - Irrigated	1	Acre	\$25.00	\$25.00	\$3,050.00	
Insecticide						
Ammo	1	Acre	\$4.00	\$4.00	\$488.00	
Seed Insecticide - Sunflower Confection	1	Acre	\$13.18	\$13.18	\$1,607.96	
Irrigation						
Energy Cost	7.00	AcreInch	\$3.80	\$26.60	\$3,245.20	
Irrigation Labor	0.45	Hour	\$17.94	\$8.04	\$980.53	
Machinery Labor						
Tractors/Self-Propelled	0.08	Hour	\$17.65	\$1.41	\$172.26	
Other Labor	0.1	Hour	\$17.65	\$1.77	\$215.33	
Diesel Fuel						
Tractors/Self-Propelled	0.64	Gallon	\$3.10	\$1.98	\$242.05	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$10.82	\$10.82	\$1,320.00	
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	\$1.64	\$1.64	\$199.68	
Implements	1	Acre	\$3.06	\$3.06	\$372.97	
Interest on Credit Line			9.00%	\$16.85	\$2,055.49	
Total Variable Costs				\$383.72	\$46,813.59	
Planned Returns Above Variable Costs:				\$66.28	\$8,086.41	
Breakeven Price to Cover Variable Costs			\$21.32 CWT			
<b>FIXED COSTS</b>	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	\$1.69	\$1.69	\$206.34	
Implements	1	Acre	\$3.93	\$3.93	\$479.53	
Equipment Investment						
Pickup/General Use Equipment	\$40.01	Dollars	9.00%	\$3.60	\$439.26	
Irrigation Equipment	\$435.80	Dollars	9.00%	\$39.22	\$4,785.08	
Tractors/Self-Propelled	\$13.18	Dollars	9.00%	\$1.19	\$144.67	
Implements	\$16.81	Dollars	9.00%	\$1.51	\$184.62	
Cash Rent - Sunflowers Irrigated	1	Acre	\$125.00	\$125.00	\$15,250.00	
Total Fixed Costs				\$210.74	\$25,710.10	
Total Specified Costs				\$594.46	\$72,523.69	
Returns Above Specified Costs				(\$144.46)	(\$17,623.69)	
Breakeven Price to Cover Total Costs			\$33.03 CWT			

Example Breakeven Prices			
Examl Yield Percen	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	13.50	\$28.42	\$44.03
90%	16.20	\$23.69	\$36.69
100%	18.00	\$21.32	\$33.03
110%	19.80	\$19.38	\$30.02
125%	22.50	\$17.05	\$26.42

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**2024 Estimated Costs and Returns per Acre**  
**Continuous Wheat, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Wheat		50.00	Bushel	\$5.75	\$287.50	\$35,075.00
Grazing - Wheat		136.00	Pound	\$0.90	\$122.40	\$14,932.80
Total Revenue					\$409.90	\$50,007.80
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Seed - Wheat		1.2	Bushel	\$12.50	\$15.00	\$1,830.00
Fertilizer						
Fertilizer (N) - ANH3		45	Pound	\$0.43	\$19.22	\$2,344.23
Fertilizer (P) - Liquid		25	Pound	\$0.88	\$22.05	\$2,690.10
Fertilizer (N) - Liquid		20	Pound	\$0.58	\$11.56	\$1,410.32
Custom						
Fertilizer Application - ANH3		1	Acre	\$18.00	\$18.00	\$2,196.00
Harvest and Haul - Wheat Irrigated		50	Bushel	\$1.14	\$57.00	\$6,954.00
Miscellaneous						
Crop Insurance Wheat Irrigated		1	Acre	\$36.00	\$36.00	\$4,392.00
Insecticide						
Insecticide and Apply Wheat		1	Acre	\$14.62	\$14.62	\$1,783.64
Irrigation						
Energy Cost		10.00	AcreInch	\$3.80	\$38.00	\$4,636.00
Irrigation Labor		0.96	Hour	\$17.94	\$17.22	\$2,101.13
Machinery Labor						
Tractors/Self-Propelled		0.25	Hour	\$17.65	\$4.41	\$538.33
Other Labor		0.29	Hour	\$17.65	\$5.12	\$624.46
Diesel Fuel						
Tractors/Self-Propelled		1.53	Gallon	\$3.10	\$4.74	\$578.65
Gasoline						
Pickup/General Use Equipment		1	Acre	\$4.92	\$4.92	\$600.00
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$2.51	\$2.51	\$306.00
Irrigation Equipment		1	Acre	\$37.50	\$37.50	\$4,575.00
Tractors/Self-Propelled		1	Acre	\$3.03	\$3.03	\$369.51
Implements		1	Acre	\$5.57	\$5.57	\$680.02
Interest on Credit Line				9.00%	\$15.53	\$1,894.80
Total Variable Costs					\$332.00	\$40,504.18
Planned Returns Above Variable Costs:					\$77.90	\$9,503.62
Breakeven Price to Cover Variable Costs				\$4.19	Bushel	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Pickup/General Use Equipment		1	Acre	\$2.63	\$2.63	\$321.30
Irrigation Equipment		1	Acre	\$33.50	\$33.50	\$4,087.50
Tractors/Self-Propelled		1	Acre	\$3.08	\$3.08	\$375.78
Implements		1	Acre	\$6.93	\$6.93	\$845.49
Equipment Investment						
Pickup/General Use Equipment		\$18.18	Dollars	9.00%	\$1.64	\$199.67
Irrigation Equipment		\$470.29	Dollars	9.00%	\$42.33	\$5,163.75
Tractors/Self-Propelled		\$24.00	Dollars	9.00%	\$2.16	\$263.47
Implements		\$29.65	Dollars	9.00%	\$2.67	\$325.51
Cash Rent - Wheat Irrigated		1	Acre	\$125.00	\$125.00	\$15,250.00
Total Fixed Costs					\$219.94	\$26,832.47
Total Specified Costs					\$551.94	\$67,336.65
Returns Above Specified Costs					(\$142.04)	(\$17,328.85)
Breakeven Price to Cover Total Costs				\$8.59	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	37.50	\$5.59	\$11.45
90%	45.00	\$4.66	\$9.55
100%	50.00	\$4.19	\$8.59
110%	55.00	\$3.81	\$7.81
125%	62.50	\$3.35	\$6.87

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**2024 Estimated Costs and Returns per Acre**  
**Continuous Wheat, Dryland, Grazed**  
**Panhandle Extension District - 1**

Crop Acres		160				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Wheat		20.00	Bushel	\$5.75	\$115.00	\$18,400.00
Grazing - Wheat		73.00	Pound	\$0.90	\$65.70	\$10,512.00
Total Revenue					\$180.70	\$28,912.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Seed - Wheat Dryland		1	Bushel	\$12.50	\$12.50	\$2,000.00
Fertilizer						
Fertilizer (N) - ANH3		30	Pound	\$0.43	\$12.81	\$2,049.60
Custom						
Fertilizer Application - ANH3		1	Acre	\$18.00	\$18.00	\$2,880.00
Custom Harvest - Wheat		1	Acre	\$35.00	\$35.00	\$5,600.00
Custom Haul - Wheat		20	Bushel	\$0.35	\$7.00	\$1,120.00
Miscellaneous						
Crop Insurance Wheat Dryland		1	Acre	\$25.00	\$25.00	\$4,000.00
Machinery Labor						
Tractors/Self-Propelled		0.27	Hour	\$17.65	\$4.77	\$762.48
Other Labor		0.31	Hour	\$17.65	\$5.47	\$875.44
Diesel Fuel						
Tractors/Self-Propelled		1.73	Gallon	\$3.10	\$5.36	\$858.08
Gasoline						
Pickup/General Use Equipment		1	Acre	\$4.88	\$4.88	\$780.00
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$2.49	\$2.49	\$397.80
Tractors/Self-Propelled		1	Acre	\$3.75	\$3.75	\$599.54
Implements		1	Acre	\$4.79	\$4.79	\$766.18
Interest on Credit Line				9.00%	\$7.04	\$1,126.87
Total Variable Costs					\$148.85	\$23,816.00
Planned Returns Above Variable Costs:					\$31.85	\$5,096.00
Breakeven Price to Cover Variable Costs				\$4.16	Bushel	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Pickup/General Use Equipment		1	Acre	\$2.61	\$2.61	\$417.69
Tractors/Self-Propelled		1	Acre	\$3.82	\$3.82	\$611.60
Implements		1	Acre	\$6.24	\$6.24	\$998.44
Equipment Investment						
Pickup/General Use Equipment		\$18.03	Dollars	9.00%	\$1.62	\$259.56
Tractors/Self-Propelled		\$29.78	Dollars	9.00%	\$2.68	\$428.81
Implements		\$26.69	Dollars	9.00%	\$2.40	\$384.40
Cash Rent - Wheat Dryland		1	Acre	\$30.00	\$30.00	\$4,800.00
Total Fixed Costs					\$49.38	\$7,900.51
Total Specified Costs					\$198.23	\$31,716.51
Returns Above Specified Costs					(\$17.53)	(\$2,804.51)
Breakeven Price to Cover Total Costs				\$6.63	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	15.00	\$5.54	\$8.84
90%	18.00	\$4.62	\$7.36
100%	20.00	\$4.16	\$6.63
110%	22.00	\$3.78	\$6.02
125%	25.00	\$3.33	\$5.30

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Roundup Ready Canola, Dryland**  
**Panhandle Extension District - 1**

Crop Acres		160				
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total	
Canola	11.00	CWT	\$20.00	\$220.00	\$35,200.00	
Total Revenue				\$220.00	\$35,200.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Fertilizer						
Fertilizer (N) - Dry	35	Pound	\$0.52	\$18.27	\$2,923.20	
Custom						
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$1,200.00	
Custom Harvest - Canola	1	Acre	\$35.00	\$35.00	\$5,600.00	
Custom Haul - Canola	11	CWT	\$0.70	\$7.70	\$1,232.00	
Insecticide						
Insecticide and Apply Canola	1	Acre	\$15.65	\$15.65	\$2,504.00	
Herbicide						
Herbicide and Apply Canola	1	Acre	\$36.63	\$36.63	\$5,860.80	
Seed						
Seed - Roundup Ready Canola	5	Pound	\$6.29	\$31.45	\$5,032.00	
Seed Treatment - Canola	1	Acre	\$7.14	\$7.14	\$1,142.40	
Machinery Labor						
Tractors/Self-Propelled	0.27	Hour	\$17.65	\$4.77	\$762.48	
Other Labor	0.31	Hour	\$17.65	\$5.47	\$875.44	
Diesel Fuel						
Tractors/Self-Propelled	1.73	Gallon	\$3.10	\$5.36	\$858.08	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.88	\$4.88	\$780.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.49	\$2.49	\$397.80	
Tractors/Self-Propelled	1	Acre	\$3.75	\$3.75	\$599.54	
Implements	1	Acre	\$4.79	\$4.79	\$766.18	
Interest on Credit Line			9.00%	\$8.17	\$1,306.96	
Total Variable Costs				\$199.01	\$31,840.88	
Planned Returns Above Variable Costs:				\$20.99	\$3,359.12	
Breakeven Price to Cover Variable Costs			\$18.09 CWT			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.61	\$2.61	\$417.69	
Tractors/Self-Propelled	1	Acre	\$3.82	\$3.82	\$611.60	
Implements	1	Acre	\$6.24	\$6.24	\$998.44	
Equipment Investment						
Pickup/General Use Equipment	\$18.03	Dollars	9.00%	\$1.62	\$259.56	
Tractors/Self-Propelled	\$29.78	Dollars	9.00%	\$2.68	\$428.81	
Implements	\$26.69	Dollars	9.00%	\$2.40	\$384.40	
Cash Rent - Canola Dryland	1	Acre	\$30.00	\$30.00	\$4,800.00	
Total Fixed Costs				\$49.38	\$7,900.51	
Total Specified Costs				\$248.38	\$39,741.39	
Returns Above Specified Costs				(\$28.38)	(\$4,541.39)	
Breakeven Price to Cover Total Costs			\$22.58 CWT			

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	8.25	\$24.12	\$30.11
90%	9.90	\$20.10	\$25.09
100%	11.00	\$18.09	\$22.58
110%	12.10	\$16.45	\$20.53
125%	13.75	\$14.47	\$18.06

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**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Roundup Ready Canola, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Canola	22.00	CWT	\$20.00	\$440.00	\$53,680.00	
Total Revenue				\$440.00	\$53,680.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
Fertilizer (N) - Liquid	55	Pound	\$0.58	\$31.79	\$3,878.38	
Fertilizer (N) - Dry	25	Pound	\$0.52	\$13.05	\$1,592.10	
Custom						
Fertilizer Application	1	Acre	\$7.50	\$7.50	\$915.00	
Custom Harvest - Canola Irrigated	1	Acre	\$35.00	\$35.00	\$4,270.00	
Custom Haul - Canola	22	CWT	\$0.70	\$15.40	\$1,878.80	
Insecticide						
Insecticide and Apply Canola Irrigator	1	Acre	\$37.58	\$37.58	\$4,584.76	
Seed						
Seed - Roundup Ready Canola	5	Pound	\$6.29	\$31.45	\$3,836.90	
Seed Treatment - Canola	1	Acre	\$7.14	\$7.14	\$871.08	
Herbicide						
Herbicide and Apply Canola	1	Acre	\$36.63	\$36.63	\$4,468.86	
Irrigation						
Energy Cost	10.00	AcreInch	\$3.80	\$38.00	\$4,636.00	
Irrigation Labor	0.64	Hour	\$17.94	\$11.48	\$1,400.76	
Machinery Labor						
Tractors/Self-Propelled	0.29	Hour	\$17.65	\$5.12	\$624.46	
Other Labor	0.33	Hour	\$17.65	\$5.82	\$710.59	
Diesel Fuel						
Tractors/Self-Propelled	1.73	Gallon	\$3.10	\$5.36	\$654.29	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$37.50	\$37.50	\$4,575.00	
Tractors/Self-Propelled	1	Acre	\$3.36	\$3.36	\$409.64	
Implements	1	Acre	\$3.91	\$3.91	\$477.31	
Interest on Credit Line			9.00%	\$14.48	\$1,766.87	
Total Variable Costs				\$348.01	\$42,456.79	
Planned Returns Above Variable Costs:				\$91.99	\$11,223.21	
Breakeven Price to Cover Variable Costs			\$15.82	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$33.50	\$33.50	\$4,087.50	
Tractors/Self-Propelled	1	Acre	\$3.42	\$3.42	\$417.25	
Implements	1	Acre	\$5.06	\$5.06	\$617.44	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	9.00%	\$1.64	\$199.67	
Irrigation Equipment	\$470.29	Dollars	9.00%	\$42.33	\$5,163.75	
Tractors/Self-Propelled	\$26.64	Dollars	9.00%	\$2.40	\$292.54	
Implements	\$21.65	Dollars	9.00%	\$1.95	\$237.71	
Cash Rent - Canola Irrigated	1	Acre	\$125.00	\$125.00	\$15,250.00	
Total Fixed Costs				\$217.93	\$26,587.16	
Total Specified Costs				\$565.93	\$69,043.94	
Returns Above Specified Costs				(\$125.93)	(\$15,363.94)	
Breakeven Price to Cover Total Costs			\$25.72	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	16.50	\$21.09	\$34.30
90%	19.80	\$17.58	\$28.58
100%	22.00	\$15.82	\$25.72
110%	24.20	\$14.38	\$23.39
125%	27.50	\$12.65	\$20.58

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