Projections for Planning Purposes Only -- Not to be Used without Updating 2014 Estimated Costs and Returns per Acre Corn for Grain, Pivot Irrigated, Herbicide Tolerant, Insect Resistent - 122 Acres **South Plains Extension District - 2**

122 Crop Acres

Name		Clop Acies	122				Enterprise
Corn	REVENUE		Quantity	Units	\$/Unit	Total	•
VARIABLE COSTS							
VARIABLE COSTS Quantity Units \$/Unit Total Enterprise Total Production Costs Seed Seed - Corn Stacked Gene 35 Thousand \$3.40 \$119.00 \$14,518.00 Fertilizer (P) 250 Pound \$0.55 \$137.50 \$16,775.00 Herbicide Fertilizer (P) 100 Pound \$0.60 \$60.00 \$7.200.00 Herbicide Herbicide - Corn Preplant Herbicide - Corn Postplant 1 Acre \$18.00 \$18.00 \$2,196.00 Insecticide Miticide 1 Acre \$25.00 \$25.00 \$3,050.00 Miscellaneous Crop Insurance Corn Irrigated 1 Acre \$25.00 \$25.00 \$3,050.00 Custom Fertilizer Application 1 Acre \$10.00 \$10.00 \$1,220.00 Custom Herbicate Application 1 Acre \$10.00 \$10.00 \$1,220.00 Crop Consultant Labor Harvest and Haul - Corn 210 Bushel \$0.40 \$84.00 \$10,248.00 Irrigation Energy or Water Cost Irrigated Tractors/Self-Propelled 1 Hour	Total Revenue	e				\$945.00	
VARIABLE COSTS Quantity Units \$\(\text{Unit}\) Total Total						·	
Seed - Corn Stacked Gene 35 Thousand \$3.40 \$119.00 \$14,518.00	VARIABLE CO	OSTS	Quantity	Units	\$/Unit	Total	•
Fertilizer Fertilizer (N) 250			<u>, </u>		·		
Fertilizer Pertilizer Per	Seed						
Fertilizer (N)		Seed - Corn Stacked Gene	35	Thousand	\$3.40	\$119.00	\$14,518.00
Fertilizer (P)	Fertilizer						
Herbicide		Fertilizer (N)	250	Pound	\$0.55	\$137.50	\$16,775.00
Herbicide - Corn Preplant		Fertilizer (P)	100	Pound	\$0.60	\$60.00	\$7,320.00
Herbicide - Corn Postplant 1 Acre \$18.00 \$18.00 \$2,196.00	Herbicide						
Mitcide Mit		Herbicide - Corn Preplant	1	Acre	\$18.00	\$18.00	\$2,196.00
Miticide Miscellaneous Crop Insurance Corn Irrigated Corp Insurance Corn Irrigated Corp Insurance Corn Irrigated Corp Insurance Corn Irrigated Corp Insurance Corn Irrigated Insurance Insur		Herbicide - Corn Postplant	1	Acre	\$18.00	\$18.00	\$2,196.00
Miscellaneous	Insecticide	e					
Custom Crop Insurance Corn Irrigated 1 Acre \$25.00 \$25.00 \$3,050.00 Custom Fertilizer Application 1 Acre \$10.00 \$10.00 \$1,220.00 Crop Consultant 1 Acre \$6.00 \$6.00 \$732.00 Harvest and Haul - Corn 210 Bushel \$0.40 \$84.00 \$10,248.00 Irrigation Energy or Water Cost 24.00 AcreInch \$9.00 \$216.00 \$26,352.00 Irrigation Labor 1.00 Hour \$11.75 \$11.75 \$11,433.50 Machinery Labor Tractors/Self-Propelled 1 Hour \$11.75 \$11.75 \$1,433.50 Diesel Fuel Tractors/Self-Propelled 2.75 Gallon \$3.20 \$8.80 \$1,073.60 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.75 \$1.75 \$213.50 Irrigation Equipment 1 Acre \$3.00 \$30.00 \$3,660.00 Repairs & Maintenance \$10.00 \$0.00		Miticide	1	Acre	\$25.00	\$25.00	\$3,050.00
Custom Fertilizer Application Crop Consultant 1 Acre \$6.00 \$10.00 \$1,220.00 Crop Consultant Crop Consultant Harvest and Haul - Corn 210 Bushel \$0.40 \$84.00 \$10,248.00 Irrigation Energy or Water Cost Irrigation Labor 24.00 AcreInch Sp.00 \$216.00 \$26,352.00 Machinery Labor Tractors/Self-Propelled 1.00 Hour Hour Hour Hour Sp.00 \$11.75 \$11.75 \$1,433.50 Diesel Fuel Tractors/Self-Propelled 2.75 Gallon Gallon Gallon Gallon Sp.20 \$8.80 \$1,073.60 Repairs & Maintenance Pickup/General Use Equipment Gallon Gallo	Miscelland	eous					
Fertilizer Application		Crop Insurance Corn Irrigated	1	Acre	\$25.00	\$25.00	\$3,050.00
Crop Consultant Harvest and Haul - Corn 1 Acre Bushel \$6.00 \$6.00 \$732.00 \$10,248.00 Irrigation Energy or Water Cost Irrigation Labor 24.00 Hour \$11.75 \$11.75 \$11.75 \$1,433.50 Machinery Labor Tractors/Self-Propelled Tractors/Self-Propelled Pickup/General Use Equipment Irrigation Equipment Irrigation Equipment Irrigation Equipment Investment Plance Requires Above Variable Costs 2.75 Gallon Sa.20 \$8.80 \$1,073.60 \$1.75 \$1.433.50 Repairs & Maintenance Pickup/General Use Equipment Irrigation Equipment Irrigation Equipment Irrigation Equipment Investment Pickup/General Use Equipment Investment Investment Pickup/General Use Equipment Saturation Saturation Equipment Investment Pickup/General Use Equipment Saturation Saturation Equipment Saturation Equipment Saturation Saturation Equipment Saturation Saturati	Custom						
Harvest and Haul - Corn 210 Bushel \$0.40 \$84.00 \$10,248.00 Irrigation Energy or Water Cost 24.00 AcreInch \$9.00 \$216.00 \$26,352.00 Irrigation Labor 1.00 Hour \$11.75 \$11.75 \$1,433.50 Machinery Labor Tractors/Self-Propelled 1 Hour \$11.75 \$11.75 \$1,433.50 Diesel Fuel Tractors/Self-Propelled 2.75 Gallon \$3.20 \$8.80 \$1,073.60 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.75 \$1.75 \$213.50 Irrigation Equipment 1 Acre \$30.00 \$30.00 \$3,660.00 Tractors/Self-Propelled 1 Acre \$6.00 \$30.00 \$3,660.00 Interest on Credit Line 1 Acre \$6.00 \$30.00 \$366.00 Interest on Credit Line 1 Acre \$6.00 \$14.06 \$1,715.80 Total Variable Costs \$885.61 \$98,284.99 Planned Returns Above Variable Costs \$3.84 Bushel Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$10.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,20.00 Cash Rent - Corn 1 Acre \$10.00 \$130.00 \$15,860.00 Total Fixed Costs \$320.450 \$24,949.55 Total Fixed Costs \$320.00 \$10.00 \$15,860.00 Total Fixed Costs \$300.00 \$10.00 \$15,860.00 Total Fixed Costs \$300.00 \$300.00 \$300.00 Total Fixed Costs \$300.00 \$300.00 \$300.00 Total Fixed Costs \$300.00 \$300.00 Tractors/Self-Propelled \$300.00 \$300.00 Total Fixed Costs \$300.00		Fertilizer Application	1	Acre	\$10.00		
Irrigation		Crop Consultant	1	Acre	\$6.00	\$6.00	•
Energy or Water Cost Irrigation Labor 1.00 Hour \$11.75 \$11.75 \$1,433.50		Harvest and Haul - Corn	210	Bushel	\$0.40	\$84.00	\$10,248.00
Irrigation Labor	Irrigation						
Machinery Labor Tractors/Self-Propelled 1 Hour \$11.75 \$11.75 \$1,433.50 Diesel Fuel Tractors/Self-Propelled 2.75 Gallon \$3.20 \$8.80 \$1,073.60 Repairs & Maintenance Pickup/General Use Equipment Irrigation Equipment 1 Acre \$1.75 \$1.75 \$213.50 Irrigation Equipment Irrigation Equipment 1 Acre \$30.00 \$30.00 \$3,660.00 Tractors/Self-Propelled 1 Acre \$6.00 \$6.00 \$732.00 Interest on Credit Line 1 Acre \$3.00 \$3.00 \$366.00 Interest on Credit Line 5 6.00% \$14.06 \$1,715.89 Total Variable Costs \$805.61 \$98,284.99 Planned Returns Above Variable Costs: Breakeven Price to Cover Variable Costs \$3.84 Bushel FIXED COSTS Quantity Units \$/Unit Total Equipment Investment Irrigation Equipment Irrigation Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment Irrigation Equipment \$171.43 Dollars <td></td> <td>Energy or Water Cost</td> <td>24.00</td> <td>AcreInch</td> <td>\$9.00</td> <td>\$216.00</td> <td>\$26,352.00</td>		Energy or Water Cost	24.00	AcreInch	\$9.00	\$216.00	\$26,352.00
Tractors/Self-Propelled 1		Irrigation Labor	1.00	Hour	\$11.75	\$11.75	\$1,433.50
Diesel Fuel	Machinery						
Tractors/Self-Propelled 2.75 Gallon \$3.20 \$8.80 \$1,073.60 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.75 \$1.75 \$213.50 Irrigation Equipment 1 Acre \$30.00 \$30.00 \$3,660.00 Tractors/Self-Propelled 1 Acre \$6.00 \$6.00 \$732.00 Implements 1 Acre \$3.00 \$3.00 \$366.00 Interest on Credit Line 5 6.00% \$14.06 \$1,715.89 Total Variable Costs \$805.61 \$98,284.99 Planned Returns Above Variable Costs: \$3.84 Bushel FIXED COSTS Quantity Units \$/Unit Total Total Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00		Tractors/Self-Propelled	1	Hour	\$11.75	\$11.75	\$1,433.50
Repairs & Maintenance	Diesel Fu						
Pickup/General Use Equipment		•	2.75	Gallon	\$3.20	\$8.80	\$1,073.60
Irrigation Equipment 1 Acre \$30.00 \$30.00 \$3,660.00 Tractors/Self-Propelled 1 Acre \$6.00 \$6.00 \$732.00 Implements 1 Acre \$3.00 \$3.00 \$366.00 Interest on Credit Line 6.00% \$14.06 \$1,715.89 Total Variable Costs \$805.61 \$98,284.99 Planned Returns Above Variable Costs: \$3.84 Bushel Breakeven Price to Cover Variable Costs \$3.84 Bushel FIXED COSTS Quantity Units \$/Unit Total Total Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.	Repairs &						
Tractors/Self-Propelled 1 Acre \$6.00 \$6.00 \$732.00 Implements 1 Acre \$3.00 \$3.00 \$366.00 Interest on Credit Line 6.00% \$14.06 \$1,715.89 Total Variable Costs \$805.61 \$98,284.99 Planned Returns Above Variable Costs: \$139.39 \$17,005.01 Breakeven Price to Cover Variable Costs \$3.84 Bushel Enterprise FIXED COSTS Quantity Units \$/Unit Total Total Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$24,949.55		Pickup/General Use Equipment	1	Acre	•		•
Implements		Irrigation Equipment	1	Acre	\$30.00	\$30.00	
Interest on Credit Line		Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$732.00
Total Variable Costs \$805.61 \$98,284.99			1	Acre	\$3.00	\$3.00	\$366.00
Planned Returns Above Variable Costs	Interest or	n Credit Line			6.00%	\$14.06	\$1,715.89
Sample Breakeven Price to Cover Variable Costs \$3.84 Bushel Enterprise	Total Variable	Costs				\$805.61	\$98,284.99
FIXED COSTS Quantity Units \$/Unit Total Enterprise Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55	Planned Retur	rns Above Variable Costs:				\$139.39	\$17,005.01
FIXED COSTS Quantity Units \$/Unit Total Total Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55	Breakeve	n Price to Cover Variable Costs			\$3.84 B	Bushel	
Equipment Investment Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55							Enterprise
Pickup/General Use Equipment \$35.78 Dollars 7.00% \$2.50 \$305.55 Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00 Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55	FIXED COSTS	S	Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment \$714.29 Dollars 7.00% \$50.00 \$6,100.00	Equipmen	nt Investment					
Tractors/Self-Propelled \$171.43 Dollars 7.00% \$12.00 \$1,464.00 Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55		Pickup/General Use Equipment	\$35.78	Dollars	7.00%	\$2.50	\$305.55
Implements \$142.86 Dollars 7.00% \$10.00 \$1,220.00 Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55		Irrigation Equipment	\$714.29	Dollars	7.00%	\$50.00	\$6,100.00
Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55		Tractors/Self-Propelled	\$171.43	Dollars	7.00%	\$12.00	\$1,464.00
Cash Rent - Corn 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$204.50 \$24,949.55		Implements	\$142.86	Dollars	7.00%	\$10.00	\$1,220.00
Total Fixed Costs \$204.50 \$24,949.55	Cash Ren	•		Acre			
	Total Fixed Co	osts				\$204.50	\$24,949.55
	Total Specified	d Costs			_		\$123,234.54
	•				=	· ,	· ,
Returns Above Specifiied Costs (\$65.12) (\$7,944.54)	Returns Above	e Specifiied Costs				(\$65.12)	(\$7,944.54)
Breakeven Price to Cover Total Costs \$4.81 Bushel	Breakeven	Price to Cover Total Costs			\$4.81 E	Bushel	

Example Breakeven Prices									
Example	Example	Price Neede	ed to Cover	Price Needed to Cover					
Yield	Yield	Example Va	riable Costs	Example To					
Percent	Bushel	Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord			
75%	157.50	\$5.12	\$5.12	\$6.41	\$6.41	\$0.00			
90%	189.00	\$4.26	\$4.26	\$5.34	\$5.34	\$0.00			
100%	210.00	\$3.84	\$3.84	\$4.81	\$4.81	\$0.00			
110%	231.00	\$3.49	\$3.49	\$4.37	\$4.37	\$0.00			
125%	262.50	\$3.07	\$3.07	\$3.85	\$3.85	\$0.00			

Developed by Jackie Smith, 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.