Projections for Planning Purposes Only -- Not to be Used without Updating 2019 Estimated Costs and Returns per Acre Irrigated Canola Southwest Extension District - 10

Crop Acres 122

Canola	REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
VARIABLE COSTS		55.00	Bushel	\$7.48	\$411.40	\$50,190.80
VARIBABLE COSTS Quantity Units \$\tilde{\text{VUnit}} \ Total Total	Total Revenue				\$411.40	. ,
Froditizinar Fortilizer F	VADIABLE COSTS	Quantity	Linito	¢/Llnit	Total	
Pertilizer UAN(32% N)		Quantity	Units	\$/UIII	Total	I Olai
NAN Section						
Fertilizer 18-46-0 108		3.72	CWT	\$13.00	\$48.36	\$5.899.92
Name						
Carola RR Seed	Custom					
Lorsban 4E 2	Haul Canola	55	Bushel	\$0.14	\$7.70	\$939.40
Seed						
Canola RR Seed		2	Pint	\$5.03	\$10.06	\$1,227.32
Herbicide		4	Dound	PC 90	¢27.20	¢2 240 40
Glyphosate 2, 4-D Amine 4 2.75 Pint 6 Ounce \$2.25 \$6.19 \$754.88 Alscellaneous Crop Insurance - Canola Irrigated Miscellaneous Canola Overhead 1 Acre \$18.00 \$11.00 \$2,196.00 Other Labor Hand Labor 0.1167 Hour \$8.50 \$0.99 \$121.02 Irrigation Energy Cost Irrigation Labor 396.00 kWh \$0.17 \$67.32 \$8,213.04 Machinery Labor Tractors/Self-Propelled 0.05 Hour \$11.00 \$5.03 \$8.44.20 Machinery Labor Tractors/Self-Propelled 0.85 Hour \$12.00 \$10.20 \$1,244.40 Other Labor Other Labor 0.28 Hour \$8.50 \$2.38 \$290.36 Diesel Fuel Tractors/Self-Propelled 7.95 Gallon \$2.99 \$2.3.77 \$2,900.00 Gasoline Pickup/General Use Equipment 1 Acre \$4.84 \$4.84 \$590.37 Irrigation Equipment 1 Acre \$4.84 \$4.84 \$590.37 Irrigation Equipment 1 Acre \$5.29 \$2.598 <td< td=""><td></td><td>4</td><td>Pouna</td><td>\$6.80</td><td>\$27.20</td><td>\$3,318.40</td></td<>		4	Pouna	\$6.80	\$27.20	\$3,318.40
Additional Color		2.75	Dint	\$2.25	¢6 10	\$754.88
Miscellaneous						
Miscellaneous Canola Overhead 1 Acre \$4.00 \$4.00 \$488.00 Other Labor Hand Labor 0.1167 Hour \$8.50 \$0.99 \$121.02 Irrigation Energy Cost 396.00 kWh \$0.17 \$67.32 \$8,213.04 Irrigation Labor 0.05 Hour \$11.00 \$0.53 \$64.42 Machinery Labor Tractors/Self-Propelled 0.85 Hour \$12.00 \$10.20 \$1,244.40 Other Labor 0.28 Hour \$8.50 \$2.38 \$290.36 Diesel Fuel Tractors/Self-Propelled 7.95 Gallon \$2.99 \$23.77 \$2,900.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.97 \$27.97 \$3,412.06 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$4.84 \$4.84 \$590.37 Irrigation Equipment 1 Acre \$25.98 \$25.98 \$3.169.26 Inplements 1 Acre \$25.98 \$25.98 \$3.169.26 Inplements 1 Acre \$25.98 \$25.98 \$3.169.26 Inplements 1 Acre \$16.27 \$16.27 \$1.984.67 S1.984.67 S1.984.6	•		O 41.100	Ψ0	V 22	ψοσ 1.0 1
Other Labor Hand Labor Hour \$8.50 \$0.99 \$121.02	Crop Insurance - Canola Irrigated	1	Acre	\$18.00	\$18.00	\$2,196.00
Hand Labor 0.1167 Hour \$8.50 \$0.99 \$121.02 Irrigation Energy Cost 396.00 kWh \$0.17 \$67.32 \$8,213.04 Irrigation Labor 0.05 Hour \$11.00 \$0.53 \$64.42 Machinery Labor 7 Tractors/Self-Propelled 0.85 Hour \$12.00 \$10.20 \$1,244.40 Other Labor 0.28 Hour \$8.50 \$2.38 \$290.36 Diesel Fuel Tractors/Self-Propelled 7.95 Gallon \$2.99 \$23.77 \$2,900.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.97 \$27.97 \$3,412.06 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$4.84 \$4.84 \$590.37 Irrigation Equipment 1 Acre \$3.73 \$3.73 \$455.39 Tractors/Self-Propelled 1 Acre \$3.73 \$3.73 \$455.39 Tractors/Self-Propelled 1 Acre \$25.98 \$25.98 \$3,169.26 Implements 1 Acre \$16.27 \$16.27 \$1,994.67 Interest on Credit Line \$6.50% \$9.40 \$1,146.35 Total Variable Costs \$62.48 \$348.92 \$42.568.13 Planned Returns Above Variable Costs \$62.48 \$7,622.67 FIXED COSTS Quantity Units \$Vunit Total Total Machinery Depreciation 1 Acre \$25.20 \$30,074.85 Irrigation Equipment 1 Acre \$26.81 \$26.81 \$3,270.83 Irrigation Equipment 1 Acre \$26.81 \$26.81 \$3,270.83 Irrigation Equipment 1 Acre \$20.36 \$20.36 \$24.44.27 Equipment Investment Pickup/General Use Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$6.83 \$832.70 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$6.500 \$5.100.00 Total Fixed Costs \$96.16 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50%	Miscellaneous Canola Overhead	1	Acre	\$4.00	\$4.00	\$488.00
Irrigation						
Energy Cost		0.1167	Hour	\$8.50	\$0.99	\$121.02
Irrigation Labor					007.00	*******
Machinery Labor Tractors/Self-Propelled 0.85 Hour \$12.00 \$10.20 \$1,244.40 Other Labor 0.28 Hour \$8.50 \$2.38 \$290.36 Diesel Fuel Tractors/Self-Propelled 7.95 Gallon \$2.99 \$23.77 \$2,900.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.97 \$27.97 \$3,412.06 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$4.84 \$4.84 \$590.37 Irrigation Equipment 1 Acre \$3.73 \$3.73 \$455.39 Tractors/Self-Propelled 1 Acre \$3.27 \$3.69.26 \$3.169.26 Interest on Credit Line 6.50% \$9.40 \$1,146.35 \$16.27 \$16.27 \$19.40 \$1,46.35 Total Variable Costs 8 \$6.34 Bushel \$62.48 \$7,622.67 \$62.48 \$7,622.67 \$62.48 \$7,622.67 \$62.48 \$7,622.67 \$62.48 \$7,622.67 \$62.48 \$7,622.67 \$62.4						
Tractors/Self-Propelled Other Labor 0.85 Hour Other Labor Hour \$8.50 \$2.38 \$290.36 Diesel Fuel Tractors/Self-Propelled Fropelled Pickup/General Use Equipment Pickup/General Use Equipment Investment Pickup/General Use Equipment In Acre \$27.97 \$27.97 \$3.412.06 \$2.99 \$23.77 \$2.900.00 Repairs & Maintenance Pickup/General Use Equipment Ingrigation Equipment Ingress Ingrigation Equipment Ingrigation Equipm		0.05	Houi	\$11.00	φυ.53	\$64.42
Other Labor Diesel Fuel Tractors/Self-Propelled 7.95 Gallon \$2.99 \$2.377 \$2,900.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.97 \$27.97 \$3,412.06 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$4.84 \$4.84 \$590.37 Irrigation Equipment 1 Acre \$3.73 \$3.73 \$455.39 Tractors/Self-Propelled 1 Acre \$25.98 \$25.98 \$3.169.26 Implements 1 Acre \$16.27 \$16.27 \$1,984.67 Interest on Credit Line 6.50% \$9.40 \$1,146.35 Total Variable Costs \$63.48 Bushel Enterprise FIXED COSTS Quantity Units \$/Unit Total Total Total Total Irrigation Equipment 1 Acre \$30.58 \$80.58 \$9,831.25 Equipment 1 Acre \$25.20 \$3,074.85 Irrigation Equipment 1 Acre \$30.58 \$80.58 \$9,831.25 Tractors/Self-Propelled 1 Acre \$25.20 \$25.20 \$3,074.85 Irrigation Equipment 1 Acre \$25.81 \$26.81 \$3,270.83 Implements 1 Acre \$25.81 \$26.81 \$3,270.83 Implements 1 Acre \$20.36 \$20.36 \$2,484.27 Equipment \$1 Acre \$20.36 \$20.36 \$2,484.27 Equipment \$20.90 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$20.90 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$20.90 Dollars 6.50% \$41.90 \$5,128.81 Tractors/Self-Propelled \$20.90 Dollars 6.50% \$41.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$30.27 \$3,309.779 Total Specified Costs \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.97.79 \$3,412.06 \$30.		0.85	Hour	\$12.00	\$10.20	\$1 244 40
Diesel Fuel						. ,
Pickup/General Use Equipment 1 Acre \$27.97 \$27.97 \$3,412.06					•	
Pickup/General Use Equipment 1	Tractors/Self-Propelled	7.95	Gallon	\$2.99	\$23.77	\$2,900.00
Repairs & Maintenance	Gasoline					
Pickup/General Use Equipment		1	Acre	\$27.97	\$27.97	\$3,412.06
Irrigation Equipment						
Tractors/Self-Propelled Implements 1 Acre Implements \$25.98 \$25.98 \$3,169.26 Implements Implements 1 Acre Acre Acre S16.27 \$16.27 \$1,984.67 \$20.68 \$342.56.81 \$1,082.67 \$20.67 \$24.25.20 \$20.67 \$25.20 \$25.20.67 \$3,074.85 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81 \$26.81		-				
Implements		-				
Interest on Credit Line						
Total Variable Costs			Acic			
Planned Returns Above Variable Costs Security Sec				0.0070		
Seakeven Price to Cover Variable Costs Sease Sea				=	•	
Nachinery Depreciation				\$6.34 E		**,*==:*
Machinery Depreciation Acre \$25.20 \$3,074.85 Irrigation Equipment 1 Acre \$80.58 \$80.58 \$9,831.25 Tractors/Self-Propelled 1 Acre \$26.81 \$26.81 \$3,270.83 Implements 1 Acre \$20.36 \$20.36 \$2,484.27 Equipment Investment Pickup/General Use Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$6.25 \$762.55 Irrigated Winter Garden Rent 1 Acre \$50.00 \$6,100.00 Total Specified Costs \$271.29 \$33,097.79 Returns Above Specified Costs (\$208.81) (\$25,475.11)						Enterprise
Pickup/General Use Equipment Irrigation Equipment 1 Acre \$25.20 \$3,074.85 Irrigation Equipment 1 Acre \$80.58 \$80.58 \$9,831.25 Tractors/Self-Propelled 1 Acre \$26.81 \$26.81 \$3,270.83 Implements 1 Acre \$20.36 \$20.36 \$2,484.27 Equipment Investment Pickup/General Use Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$6.25 \$762.55 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$602.21 \$75,665.91 Returns Above Specified Costs \$(\$208.81) \$(\$25,475.11)		Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment						00.074.07
Tractors/Self-Propelled 1 Acre \$26.81 \$3,270.83 Implements 1 Acre \$20.36 \$20.36 \$2,484.27 Equipment Investment *** *** \$20.36 \$2,484.27 Equipment Investment *** *** *** *** Pickup/General Use Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$6.25 \$762.55 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$271.29 \$33,097.79 \$602.21 \$75,665.91 Returns Above Specified Costs \$\$\$(\$20.81)\$ \$20.81 \$25,475.11						. ,
Implements						. ,
Equipment Investment Pickutp/General Use Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$6.25 \$762.55 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$271.29 \$33,097.79 Total Specified Costs \$620.21 \$75,665.91 Returns Above Specified Costs \$(\$208.81) \$(\$25,475.11)						. ,
Pickup/General Use Equipment Irrigation Equipment Irrigation Equipment \$105.02 Dollars 6.50% \$6.83 \$832.77 Irrigation Equipment \$646.00 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$6.25 \$762.55 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$271.29 \$33,097.79 \$620.21 \$75,665.91 Returns Above Specified Costs \$(\$208.81) \$(\$25,475.11)		'	Acie	Ψ20.30	Ψ20.50	ΨZ,404.2 <i>1</i>
Irrigation Equipment \$646.00 Dollars 6.50% \$41.99 \$5,122.81 Tractors/Self-Propelled \$204.09 Dollars 6.50% \$13.27 \$1,618.46 Implements \$96.16 Dollars 6.50% \$6.25 \$762.55 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$271.29 \$33,097.79 Total Specified Costs \$620.21 \$75,665.91 Returns Above Specified Costs \$(\$208.81) \$(\$25,475.11)		\$105.02	Dollars	6.50%	\$6.83	\$832.77
Tractors/Self-Propelled Implements \$204.09 Dollars Implements 6.50% \$13.27 \$1,618.46 Exempted Implements \$96.16 Dollars Implements 6.50% \$6.25 \$762.55 \$762.55 \$762.55 Exempted Implements \$1 Acre Implements Acre Implements \$50.00 \$50.00 \$6,100.00 \$271.29 \$33,097.79 \$271.29 \$33,097.79 \$620.21 \$75,665.91 \$7665.9		·				
Irrigated Winter Garden Rent			Dollars	6.50%		
Total Fixed Costs \$271.29 \$33,097.79 Total Specified Costs \$620.21 \$75,665.91 Returns Above Specified Costs (\$208.81) (\$25,475.11)		\$96.16		6.50%	\$6.25	\$762.55
Total Specified Costs \$620.21 \$75,665.91 Returns Above Specified Costs (\$208.81) (\$25,475.11)		1	Acre	\$50.00		
Returns Above Specified Costs (\$208.81) (\$25,475.11)				_		
	Total Specified Costs			_	\$620.21	\$75,665.91
Breakeven Price to Cover Total Costs \$11.28 Bushel	Returns Above Specified Costs				(\$208.81)	(\$25,475.11)
	Breakeven Price to Cover Total Costs			\$11.28 E	Bushel	

		Example Breakeven Prices			
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent	Bushel	Costs	Costs		
75%	41.25	\$8.46	\$15.04		
90%	49.50	\$7.05	\$12.53		
100%	55.00	\$6.34	\$11.28		
110%	60.50	\$5.77	\$10.25		
125%	68.75	\$5.08	\$9.02		

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

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.