Projections for Planning Purposes Only -- Not to be Used without Updating 2022 Estimated Costs and Returns per Acre Red Chile Peppers, Dell City, Center Pivot Irrigated Far West Extension District - 6

Crop Acres 122

ReVENUE Quantity Quints SUnit Total Total Red Chiles A,000.00 Pound S0.95 S3,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$483,800.00 \$480,800.00 \$700 \$1.	DEVENUE.	Ougatitus	Lleite	¢/Llmit	Total	Enterprise
VARIABLE COSTS						
VARIABLE COSTS Quantity Units S/Unit Total Enterprise Production Costs Fertilizer Urea, Solid (46% N) 1.97 CWT \$31.15 \$61.37 \$7,486.59 Fertilizer 18-46-0 228 Pound \$0.54 \$123.12 \$52,213.68 Herbicide Triffuralin 3 Pint \$2.75 \$8.25 \$1,006.50 Seed Red Chile Seed Treated 10 Pound \$30.00 \$30,000 \$36,600.00 Fungicides 0uadris 15 Ounce \$1.64 \$24.61 \$3,002.85 Other Chemicals 1 Gallon \$6.00 \$5.00 \$30.00 \$30,00.285 Irrigation 4.68 Mef \$5.61 \$2.49 \$300.34 Energy Cost 4.68 Mef \$5.61 \$2.625 \$3,200.09 Irrigation Labor 0.02 Hour \$16.12 \$52.71 \$6,400.91 Tractors/Self-Propelled 3.27 Hour \$16.12 \$52.71 \$6,400.91		4,000.00	Found	\$0.95		
VARIABLE COSTS	Total Nevenue				\$3,000.00	
Production Costs Fertilizer Sertilizer	VARIARI E COSTS	Quantity	Units	\$/LInit	Total	
Fertilizer		Quantity	Omito	φιστιτ	Total	Total
Urea, Solid (46% N) 1.97 CWT \$31.15 \$61.27 \$73.86.59 Fertilizer 18-46-0 228 Pound \$0.54 \$122.12 \$15.020.64 Fertilizer 18-46-0 228 Pound \$0.54 \$122.125.68 Herbicide Triffuralin 3 Pint \$2.75 \$8.25 \$1,006.50 Seed Red Chile Seed Treated 10 Pound \$30.00 \$300.00 \$36,600.00 Fungicides 15 Ounce \$1.64 \$24.61 \$3,002.85 Other Chemicals 16 Ounce \$0.16 \$2.49 \$303.34 Sodium Chlorate 5L 1 Gallon \$6.00 \$5.00 \$732.00 Irrigation Labor 0.02 Hour \$16.38 \$0.28 \$34.57 Machinery Labor 2.07 Hour \$16.12 \$52.71 \$8,430.91 Tractors/Self-Propelled 3.27 Hour \$16.12 \$52.71 \$8,430.91 Diesel Fuel Tractors/Self-Propelled 1.8-9 \$61.01 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Fertilizer 18-46-0 228 Pound \$0.54 \$123.12 \$15,020.64 Fertilizer 0-0-22 Kmag Fe		1.97	CWT	\$31.15	\$61.37	\$7,486.59
Fertilizer 0-0-22 Kmag	· · · · · ·	228	Pound	\$0.54	\$123.12	
Herbicide	Fertilizer 0-0-22 Kmag	567	Pound	\$0.32	\$181.44	
Seed Red Chile Seed Treated 10 Pound \$30.00 \$300.00 \$36,600.00 Fungicides Quadris 15 Ounce \$1.64 \$24.61 \$3,002.85 Other Chemicals Ethephon 6 16 Ounce \$0.16 \$2.49 \$303.34 Sodium Chlorate 5L 1 Gallon \$6.00 \$6.00 \$732.00 Irrigation Energy Cost 4.68 Mcf \$5.61 \$26.25 \$3,203.09 Irrigation Labor 0.02 Hour \$16.32 \$52.71 \$34.57 Machinery Labor 2.07 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 2.07 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 2.07 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 2.07 Hour \$16.12 \$52.71 \$6,430.91 Dissel Fuel Tractors/Self-Propelled 18.98 Gallon \$2.67 \$50.68 \$6,182.55 Gasoline <td< td=""><td>Herbicide</td><td></td><td></td><td></td><td></td><td></td></td<>	Herbicide					
Red Chile Seed Treated 10	Trifluralin	3	Pint	\$2.75	\$8.25	\$1,006.50
Fungicides	Seed					
Other Chemicals	Red Chile Seed Treated	10	Pound	\$30.00	\$300.00	\$36,600.00
Other Chemicals Ethephon 6 16 Ounce (allon) \$0.16 \$2.49 \$303.34 Sodium Chlorate 5L 1 Gallon \$6.00 \$6.00 \$732.00 Irrigation Irrigation 0.02 Hour \$16.38 \$0.28 \$3,203.09 Irrigation Labor 0.02 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 2.07 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 2.07 Hour \$16.12 \$33.37 \$4,070.94 Diesel Fuel 1 Acre \$16.12 \$33.37 \$4,070.94 Diesel Fuel 1 Acre \$16.12 \$33.37 \$4,070.94 Diesel Fuel 1 Acre \$8.04 \$8.04 \$981.00 Repairs & Maintenance 1 Acre \$1.61 \$1.61 \$1.61 \$1.62.0 Irrigation Equipment 1 Acre \$57.21 \$57.21 \$57.21 \$6,397.92 \$972.40 Tractors/Self-Propelled 1 Acre <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Ethephon 6		15	Ounce	\$1.64	\$24.61	\$3,002.85
Sodium Chlorate 5L						
Irrigation						
Energy Cost 4.68 Mcf \$5.61 \$26.25 \$3,203.09 Irrigation Labor 0.02 Hour \$16.38 \$0.28 \$34.57 Machinery Labor Tractors/Self-Propelled 3.27 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 0.07 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 0.07 Hour \$16.12 \$33.37 \$4,070.94 Diesel Fuel Tractors/Self-Propelled 18.98 Gallon \$2.67 \$50.68 \$6,182.55 Gasoline Pickup/General Use Equipment 1 Acre \$8.04 \$8.04 \$981.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$7.97 \$7.97 \$972.40 Irrigation Equipment 1 Acre \$57.21 \$57.21 \$6,979.92 Implements 1 Acre \$57.21 \$57.21 \$6,979.92 Implements 1 Acre \$21.76 \$21.76 \$2,654.83 Interest on Credit Line \$2.176 \$6.30% \$32.34 \$3,945.87 Total Variable Costs \$0.25 Pound Planned Returns Above Variable Costs \$0.25 Pound Fixed Description Pickup/General Use Equipment 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$45.37 \$445.37 \$5,535.60 Tractors/Self-Propelled 1 Acre \$45.37 \$45.37 \$5,535.60 Tractors/Self-Propelled 1 Acre \$45.37 \$445.37 \$5,535.60 Tractors/Self-Propelled 1 Acre \$86.34 \$86.34 \$10,533.47 Implements 1 Acre \$86.34 \$86.34 \$10,533.47 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.30% \$21.44 \$2,615.57 Tractors/Self-Propelled \$801.12 Dollars 6.30% \$50.47 \$6,157.43 Implements \$131.40 Dollars 6.30% \$50.00 \$6,100.00 Total Specified Costs \$298.26 \$36,387.61 Total Specified Costs \$36,387.61 Total Specified Costs \$36,387.61 Total Specified Costs \$36,387.61 Total Specified Cos		1	Gallon	\$6.00	\$6.00	\$732.00
Irrigation Labor Machinery Labor Tractors/Self-Propelled 3.27 Hour \$16.12 \$52.71 \$6,430.91 Other Labor 2.07 Hour \$16.12 \$33.37 \$4,070.94 Diesel Fuel Tractors/Self-Propelled 18.98 Gallon \$2.67 \$50.68 \$6,182.55 Gasoline Pickup/General Use Equipment 1 Acre \$8.04 \$8.04 \$981.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.61 \$1.61 \$196.20 Irrigation Equipment 1 Acre \$7.97 \$7.97 \$972.40 Irrigation Equipment 1 Acre \$57.21 \$57.21 \$6,979.90 \$104	•					
Machinery Labor	• .					
Tractors/Self-Propelled 3.27 Hour \$16.12 \$52.71 \$6,430.91	•	0.02	Hour	\$16.38	\$0.28	\$34.57
Other Labor 2.07 Hour \$16.12 \$33.37 \$4,070.94 Diesel Fuel Tractors/Self-Propelled 18.98 Gallon \$2.67 \$50.68 \$6,182.55 Gasoline Pickup/General Use Equipment 1 Acre \$8.04 \$8.04 \$981.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.61 \$1.61 \$196.20 Irrigation Equipment 1 Acre \$7.97 \$7.97 \$972.40 Tractors/Self-Propelled 1 Acre \$57.21 \$57.21 \$6,979.92 Implements 1 Acre \$6.30 \$32.34 \$3,945.87 Total Variable Costs \$9.99.51 \$121,939.87 Planned Returns Above Variable Costs \$9.25 Pound Planned Returns Above Variable Costs \$9.25 Pound FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$86.34 \$86.34 \$10,533.47 Implements 1 Acre \$86.34 \$86.34 \$10,533.47 Equipment Investment Pickup/General Use Equipment \$340.30 Dollars 6.30% \$21.44 \$2,615.57 Tractors/Self-Propelled \$801.12 Dollars 6.30% \$8.28 \$1,009.92 Trans Pecos Irrigated Land 1 Acre \$298.26 \$36,387.61 Total Specified Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51 Returns Above Specified Costs \$2.00						
Diesel Fuel	•					
Tractors/Self-Propelled 18.98 Gallon \$2.67 \$50.68 \$6,182.55		2.07	Hour	\$16.12	\$33.37	\$4,070.94
Pickup/General Use Equipment 1 Acre \$8.04 \$8.04 \$981.00						
Pickup/General Use Equipment 1 Acre \$8.04 \$8.04 \$981.00	•	18.98	Gallon	\$2.67	\$50.68	\$6,182.55
Repairs & Maintenance		_	_			
Pickup/General Use Equipment		1	Acre	\$8.04	\$8.04	\$981.00
Irrigation Equipment	•	_	_			
Tractors/Self-Propelled 1 Acre \$57.21 \$57.21 \$6,979.92 Implements 1 Acre \$21.76 \$21.76 \$2,654.83 \$1,000 \$32.34 \$3,945.87 \$101 \$10						
Implements						
Interest on Credit Line						
Total Variable Costs		1	Acre			
Planned Returns Above Variable Costs \$0.25 Pound Enterprise Enterprise Total				6.30%		
Breakeven Price to Cover Variable Costs \$0.25 Pound Enterprise Total				=		
FIXED COSTS Quantity Units \$\(\)Unit Total Total						\$341,660.13
Nachinery Depreciation	Breakeven Price to Cover Variable Costs			\$0.25 F	Pound	
Machinery Depreciation 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$45.37 \$45.37 \$5,535.60 Tractors/Self-Propelled 1 Acre \$86.34 \$86.34 \$10,533.47 Implements 1 Acre \$28.74 \$28.74 \$3,506.74 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.30% \$1.58 \$193.13 Irrigation Equipment \$340.30 Dollars 6.30% \$21.44 \$2,615.57 Tractors/Self-Propelled \$801.12 Dollars 6.30% \$50.47 \$6,155.743 Implements \$131.40 Dollars 6.30% \$50.47 \$6,155.743 Implements \$131.40 Dollars 6.30% \$8.28 \$1,009.92 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51						
Pickup/General Use Equipment 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$45.37 \$45.37 \$5,535.60 Tractors/Self-Propelled 1 Acre \$86.34 \$86.34 \$10,533.47 Implements 1 Acre \$28.74 \$28.74 \$3,506.74 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.30% \$1.58 \$193.13 Irrigation Equipment \$340.30 Dollars 6.30% \$21.44 \$2,615.57 Tractors/Self-Propelled \$801.12 Dollars 6.30% \$50.47 \$6,157.43 Implements \$131.40 Dollars 6.30% \$8.28 \$1,009.92 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51		Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment	<i>,</i> .		A	#C CC	#C 00	#70F 7 5
Tractors/Self-Propelled						
Implements						
Equipment Investment \$25.13 Dollars 6.30% \$1.58 \$193.13 Irrigation Equipment \$340.30 Dollars 6.30% \$21.44 \$2,615.57 Tractors/Self-Propelled \$801.12 Dollars 6.30% \$50.47 \$6,157.43 Implements \$131.40 Dollars 6.30% \$8.28 \$1,009.92 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$298.26 \$36,387.61 \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51	•					
Pickup/General Use Equipment \$25.13 Dollars 6.30% \$1.58 \$193.13 Irrigation Equipment \$340.30 Dollars 6.30% \$21.44 \$2,615.57 Tractors/Self-Propelled \$801.12 Dollars 6.30% \$50.47 \$6,157.43 Implements \$131.40 Dollars 6.30% \$82.8 \$1,009.92 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$298.26 \$36,387.61 Total Specified Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51 Total Specified		ı	Acre	\$28.74	\$28.74	\$3,506.74
Irrigation Equipment		¢0E 10	Dollars	6 200/	¢1 E0	¢102.12
Tractors/Self-Propelled Implements \$801.12 Dollars 6.30% \$50.47 \$6,157.43 \$6,157.43 \$6,157.43 \$6,157.43 \$6,157.43 \$6,157.43 \$6,100.92 \$						
Implements						
Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$298.26 \$36,387.61 Total Specified Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51						
Total Fixed Costs \$298.26 \$36,387.61 Total Specified Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51						
Total Specified Costs \$1,297.77 \$158,327.49 Returns Above Specified Costs \$2,502.23 \$305,272.51	· ·	ı	Acre	φου.υυ_		
Returns Above Specified Costs \$2,502.23 \$305,272.51				=		
	Total Specified Costs			=	\$1,297.77	\$158,327.49
Breakeven Price to Cover Total Costs \$0.32 Pound	Returns Above Specified Costs				\$2,502.23	\$305,272.51
	Breakeven Price to Cover Total Costs			\$0.32 F	ound	

		Example Breakeven Prices				
Example	Example	To Cover	To Cover			
Yield	Yield	Variable	Total			
Percent	Pound	Costs	Costs			
75%	3000.00	\$0.33	\$0.43			
90%	3600.00	\$0.28	\$0.36			
100%	4000.00	\$0.25	\$0.32			
110%	4400.00	\$0.23	\$0.29			
125%	5000.00	\$0.20	\$0.26			

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.