Projections for Planning Purposes Only - Not to be Used without Updating 2019 Estimated Costs and Returns per Acre Irrigated Cotton - Drip South Plains Extension District - 2

Crop Acres 122

REVENUE	Crop Acres	122				Enterprise
Cotton Lint 1,500,00 Pound \$0.68 \$1,020,00 \$124,400,00 \$100,00 \$170,40 \$20,788.00 \$1,000	REVENUE	Quantity	Units	\$/Unit	Total	
VARIABLE COSTS	Cotton Lint	1,500.00	Pound	\$0.68	\$1,020.00	\$124,440.00
Name		1.07	Ton	\$160.00		
VARIABLE COSTS	Total Revenue				\$1,190.40	
Production Costs	VARIABLE COSTS	O a matitu .	Llaita	Ф/I I i -	Tatal	
Custom Fertilizer Application - Liquid High 1 Acre \$4.75 \$4.75 \$3.00 \$1.098.00 \$1.09		Quantity	Units	\$/Unit	ıotai	ıotaı
Fertilizer Application - Liquid High 1 Acre \$4.75 \$4.75 \$5.79,50 \$5.00 ing 1 Acre \$9.00 \$9.00 \$1.098.0						
Scouting 1 Acre \$9.00 \$9.00 \$1.098.00		1	Acre	\$4.75	\$4.75	\$579.50
Ginning - Cotton 46.875 CWT \$2.90 \$135.94 \$16.884.38 Fertilizer Fertilizer (P) - Liquid 70 Pound \$0.71 \$49.93 \$6.091.03 Fertilizer (N) - Liquid 175 Pound \$0.48 \$80.66 \$9.841.02 Herbicide - Cotton Preplant 1 Acre \$4.50 \$4.50 \$5.400		1	Acre	\$9.00	\$9.00	\$1,098.00
Fertilizer Fer	Strip and Module - Cotton	1500	Pound	\$0.08	\$120.00	\$14,640.00
Fertilizer (P) - Liquid		46.875	CWT	\$2.90	\$135.94	\$16,584.38
Fertilizer (N) - Liquid		=-		00.74	0.40.00	
Herbicide Cotton Preplant 1 Acre \$4.50 \$4.50 \$5.49.00 \$4.50 \$5.49.00 \$4.50 \$5.49.00 \$5						
Herbicide - Cotton Preplant		1/5	Pound	\$0.46	\$80.00	\$9,841.02
Herbicide - Cotton At Plant		1	Acre	\$9.50	\$9.50	\$1 159 00
Spot Spray and Chemical 0.2 Acre \$15.00 \$3.00 \$366.00						
Insecticide Insecticide and Apply Cotton 1 Acre \$12.00 \$12.00 \$14.00 \$366.00	Herbicide - Cotton Postplant	1	Acre	\$25.00	\$25.00	\$3,050.00
Insecticide and Apply Cotton 1 Acre \$12.00 \$12.00 \$3.60.00 \$366.00 Miscellaneous Crop Insurance Cotton - Drip 1 Acre \$56.00 \$56.00 \$56.00 \$6,832.00 \$6,832.00 \$50.00 \$6,832.00 \$6.00 \$6.00 \$6,832.00 \$6.00 \$6.00 \$6,832.00 \$6.00 \$	Spot Spray and Chemical	0.2	Acre	\$15.00	\$3.00	\$366.00
Boll Weevil Assessment Irrigated 3 Bale \$1.00 \$3.00 \$366.00						
Miscellaneous						
Crop Insurance Cotton - Drip 1 Acre \$56.00 \$56.00 \$6,832.00 \$1,098.00 \$2.25 \$9.00 \$1,098.00 \$3.099.00 \$3.099.00		3	Bale	\$1.00	\$3.00	\$366.00
Crop Insurance Hail 4 100 \$2.25 \$9.00 \$1,098.00		4	Aoro	\$ E6.00	\$ E6.00	¢c 933 00
Seed Seed - Cotton Irrigated 40 Thousand \$1.59 \$63.60 \$7,759.20 Other Chemicals Acid 24 Pound \$0.50 \$12.00 \$1,464.00 Harvest Aid Apply Cotton Drip 1 Acre \$30.00 \$30.00 \$36.00 Other Labor Hoeing 0.2 Acre \$15.00 \$3.00 \$366.00 Irrigation Energy Cost Irrigation Labor Irrigation Labor Tractors/Self-Propelled 1.25 Hour \$12.00 \$15.00 \$17,080.00 Machinery Labor Tractors/Self-Propelled 0.75 Hour \$12.00 \$9.00 \$1,098.00 Other Labor Other Labor Other Labor Tractors/Self-Propelled 4 Gallon \$2.40 \$9.60 \$1,171.20 Gasoline Pickup/General Use Equipment Tractors/Self-Propelled Tractors/S						
Seed - Cotton Irrigated		7	100	Ψ2.20	ψ3.00	ψ1,030.00
Other Chemicals Acid Harvest Aid Apply Cotton Drip 24 Acre Pound \$30.00 \$12.00 \$30.00 \$1,464.00 \$30.00 Other Labor Hoeing 0.2 Acre \$15.00 \$30.00 \$366.00 Irrigation Energy Cost Irrigation Labor 14.00 Acrelnch Hour \$10.00 \$140.00 \$17,080.00 Machinery Labor 1.25 Hour \$12.00 \$15.00 \$1,098.00 Machinery Labor 0.75 Hour \$12.00 \$9.00 \$1,098.00 Other Labor 0.85 Hour \$10.00 \$10.00 \$10.20 \$1,098.00 Total Variable Costs 0.85 Hour		40	Thousand	\$1.59	\$63.60	\$7.759.20
Harvest Aid Apply Cotton Drip 1 Acre \$30.00 \$30.00 \$366.00 Other Labor						
Other Labor Hoeing 0.2 Acre \$15.00 \$3.00 \$366.00 Irrigation Irrigation Labor Irrigation Labor Irrigation Labor Machinery Labor Tractors/Self-Propelled 1.25 Hour \$12.00 \$140.00 \$17,080.00 Machinery Labor Other Labor Other Labor 0.75 Hour \$12.00 \$9.00 \$1,098.00 Other Labor Other Labor 0.85 Hour \$12.00 \$9.00 \$1,244.40 Diesel Fuel Tractors/Self-Propelled 4 Gallon \$2.40 \$9.60 \$1,171.20 Gasoline Pickup/General Use Equipment 1 Acre \$0.50 \$0.50 \$61.00 Irrigation Equipments 1 Acre \$3.00 \$3.00 \$3.600.00 Total Variable Costs \$9.00 \$10.70 \$1.74 \$2.408.07	Acid	24	Pound	\$0.50	\$12.00	\$1,464.00
Hoeing Name	Harvest Aid Apply Cotton Drip	1	Acre	\$30.00	\$30.00	\$3,660.00
Irrigation						
Energy Cost		0.2	Acre	\$15.00	\$3.00	\$366.00
Irrigation Labor		14.00	Aorolpob	¢10.00	¢140.00	¢17.000.00
Machinery Labor Tractors/Self-Propelled 0.75 Hour \$12.00 \$9.00 \$1,098.00 Other Labor 0.85 Hour \$12.00 \$9.00 \$1,098.00 Diesel Fuel Tractors/Self-Propelled 4 Gallon \$2.40 \$9.60 \$1,171.20 Gasoline Pickup/General Use Equipment 1 Acre \$4.00 \$4.00 \$488.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.50 \$0.50 \$61.00 Irrigation Equipment 1 Acre \$30.00 \$30.00 \$3660.00 Tractors/Self-Propelled 1 Acre \$6.00 \$6.00 \$732.00 Inplements 1 Acre \$3.00 \$30.00 \$3660.00 Interest on Credit Line 6.00% \$19.74 \$24.08.07 Total Variable Costs \$877.92 \$107,105.79 Planned Returns Above Variable Costs \$0.47 Pound Enterprise FIXED COSTS Quantity Units \$/Unit Total T						
Tractors/Self-Propelled O.75 Hour S12.00 \$9.00 \$1,098.00 Other Labor Other Diesel Fuel Tractors/Self-Propelled 4 Gallon \$2.40 \$9.60 \$1,171.20 Gasoline Pickup/General Use Equipment 1 Acre \$4.00 \$4.00 \$488.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.50 \$0.50 \$61.00 Irrigation Equipment 1 Acre \$30.00 \$30.00 \$30.00 \$3660.00 Tractors/Self-Propelled 1 Acre \$30.00 \$30.00 \$30.00 \$3660.00 Implements 1 Acre \$30.00 \$30.00 \$3660.00 Interest on Credit Line 6.00% \$19.74 \$2.408.07 Total Variable Costs		1.25	rioui	Ψ12.00	Ψ13.00	Ψ1,030.00
Other Labor O.85		0.75	Hour	\$12.00	\$9.00	\$1.098.00
Tractors/Self-Propelled		0.85	Hour		\$10.20	
Pickup/General Use Equipment	Diesel Fuel					
Pickup/General Use Equipment 1		4	Gallon	\$2.40	\$9.60	\$1,171.20
Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.50 \$0.50 \$61.00 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% \$19.74 \$2,408.07 Total Variable Costs \$377.92 \$107,105.79 Planned Returns Above Variable Costs: \$312.48 \$38,123.01 Breakeven Price to Cover Variable Costs \$0.47 Pound Equipment Fixed Costs \$0.47 Pound Equipment Fixed Costs \$1.25 \$1.25 Fixed Costs \$1.25 \$1.25 \$1.25 Irrigation Equipment 1 Acre \$1.25 \$1.25 \$1.25 Irrigation Equipment 1 Acre \$75.00 \$9,150.00 Implements 1 Acre \$10.00 \$10.00 \$1,220.00 Management Fee, Owner/Operator Labor 1 Acre \$10.00 \$10.00 \$1,220.00 Cash Rent - Cotton Drip 1 Acre \$130.00 \$130.00 \$15,860.00 Total Fixed Costs \$25.05 \$25.05 \$31,140.50 Total Specified Costs \$57.23 \$6,982.51 Returns Above Specified Costs \$57.23 \$6,982.51				_		_
Pickup/General Use Equipment		1	Acre	\$4.00	\$4.00	\$488.00
Irrigation Equipment		4	A	PO FO	CO FO	C4 00
Tractors/Self-Propelled Implements 1 Acre Implements \$6.00 \$6.00 \$732.00 Interest on Credit Line \$3.00 \$3.00 \$3.00 \$3.60.00 \$3.60.00 \$3.60.00 \$3.60.00 \$3.60.00 \$3.60.00 \$3.70.2 \$3.70.2 \$3.70.00 \$3.60.00 \$3.70.00						
Implements 1 Acre \$3.00 \$3.00 \$366.00 Interest on Credit Line						
Interest on Credit Line						
Planned Returns Above Variable Costs \$0.47 Pound Enterprise FIXED COSTS Quantity Units \$\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(·	7.0.0			
Breakeven Price to Cover Variable Costs	Total Variable Costs			_	\$877.92	\$107,105.79
FIXED COSTS	Planned Returns Above Variable Costs:			_	\$312.48	\$38,123.01
FIXED COSTS Quantity Units \$/Unit Total Total Equipment Fixed Costs Pickup/General Use Equipment Irrigation Irri	Breakeven Price to Cover Variable Costs			\$0.47 F	Pound	
Equipment Fixed Costs						
Pickup/General Use Equipment Irrigation Equipment 1 Acre \$1.25 \$1.25 \$152.50 Irrigation Equipment 1 Acre \$75.00 \$75.00 \$9,150.00 Tractors/Self-Propelled 1 Acre \$12.00 \$12.00 \$1,464.00 Implements 1 Acre \$10.00 \$10.00 \$1,220.00 Management Fee, Owner/Operator Labor 1 Acre \$25.00 \$25.00 \$3,050.00 Cash Rent - Cotton Drip 1 Acre \$130.00 \$130.00 \$15,860.00 Whole Farm Insurance 1 Acre \$2.00 \$244.00 Total Fixed Costs \$255.25 \$31,140.50 Total Specified Costs \$1,133.17 \$138,246.29 Returns Above Specified Costs \$57.23 \$6,982.51		Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment 1				64.05	04.05	0.450.50
Tractors/Self-Propelled Implements 1 Acre \$12.00 \$1,464.00 Implements 1 Acre \$10.00 \$1,20.00 Management Fee, Owner/Operator Labor 1 Acre \$25.00 \$25.00 \$3,050.00 Cash Rent - Cotton Drip 1 Acre \$130.00 \$13.000 \$15,860.00 Whole Farm Insurance 1 Acre \$2.00 \$2.00 \$244.00 Total Fixed Costs \$255.25 \$31,140.50 Total Specified Costs \$1,133.17 \$138,246.29 Returns Above Specified Costs \$57.23 \$6,982.51						
Implements						
Management Fee, Owner/Operator Labor 1 Acre \$25.00 \$25.00 \$3,050.00 Cash Rent - Cotton Drip 1 Acre \$130.00 \$130.00 \$15,860.00 Whole Farm Insurance 1 Acre \$2.00 \$244.00 Total Fixed Costs \$255.25 \$31,140.50 Total Specified Costs \$1,133.17 \$138,246.29 Returns Above Specified Costs \$57.23 \$6,982.51						
Cash Rent - Cotton Drip Whole Farm Insurance 1 Acre 1 Acre \$130.00 \$2.00 \$130.00 \$2.40.00 \$15,860.00 \$2.44.00 Total Fixed Costs \$255.25 \$31,140.50 Total Specified Costs \$1,133.17 \$138,246.29 Returns Above Specified Costs \$57.23 \$6,982.51		-				
Whole Farm Insurance 1 Acre \$2.00 \$2.00 \$244.00 Total Fixed Costs \$255.25 \$31,140.50 Total Specified Costs \$1,133.17 \$138,246.29 Returns Above Specified Costs \$57.23 \$6,982.51						
Total Fixed Costs \$255.25 \$31,140.50 Total Specified Costs \$1,133.17 \$138,246.29 Returns Above Specified Costs \$57.23 \$6,982.51						
Returns Above Specified Costs \$57.23 \$6,982.51	Total Fixed Costs			_	\$255.25	\$31,140.50
	Total Specified Costs			=	\$1,133.17	\$138,246.29
	Debugge Alberta On a World Co.				0== 00	#0 ccc = :
Breakeven Price to Cover Total Costs \$0.64 Pound	Returns Above Specified Costs				\$57.23	\$6,982.51
	Breakeven Price to Cover Total Costs			\$0.64 F	Pound	

		Examp	Example Breakeven Prices		
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent	Pound	Costs	Costs		
75%	1125.00	\$0.63	\$0.86		
90%	1350.00	\$0.52	\$0.71		
100%	1500.00	\$0.47	\$0.64		
110%	1650.00	\$0.43	\$0.58		
125%	1875.00	\$0.38	\$0.51		

Developed by Jackie Smith, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-746-6101.

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.