

BUDGET AREA..... COTTON CITY-ANIMAS AREA, HIDALGO COUNTY, 2023.
 FARM SL..... 400 ACRES
 IRRIGATION TYPE FLOOD/SPRINKLER
 NUMBER OF CROI 4

TABLE 1 Basic cost information for the Cotton City-Animas area, Actual 2023

WATER USE				Item			
ACREAGE SUMMARY:	LAND USE (ACRES)	AC. IN. PER ACI	TOTAL AC. IN.				
GRAIN SORGHUM	136	30	4080	Labor Wage Rate:			
ARP	0			Equipment operators	\$/hour		\$17.63
FLEX IN COTTON	0	28	0	General & Irrigators	\$/hour		\$16.60
COTTON	153	28	4284	Purchased Inputs:			
ARP	0			Fertilizer:			
FLEX IN COTTON	0	28	0	Nitrogen (N)	\$/pound		\$0.83
GREEN CHILE	20	54	1080	Phosphate (P205)	\$/pound		\$0.85
RED CHILE	20	48	960	Anhydrous Ammonia (NH3)	\$/ton		\$750.00
ROADS, HOMESTI	20			Seed:			
TOTAL	349		10404	Grain Sorghum	\$/pound		\$2.25
				Cotton (picker)	\$/pound		\$8.45
				Chile			
ACRE FEET PER ACRE OF WATER RIR			2.48424	green	\$/pound		\$125.00
				red	\$/pound		\$125.00
				wheat	\$/pound		\$0.37
				Energy:			
				Natural gas (Gas Co NM)	\$/MCF		\$2.71
				(service charge)	\$/month		\$10.00
				Diesel fuel	\$/gallon		\$4.33
				Gasoline	\$/gallon		\$2.60
				Electricity (Columbus)	cents/KwHr		\$9.79
				LP Gas	\$/gallon		\$2.55
				Employee Liability Insurance	\$/ \$1,000 wages		\$20.00
				Employee Benefits	percent/w ages		0.18
				Labor Downtime	percent		0.25
				Financial Rates:			
				Operating Capital Interest Rate	percent		9.79%
				Land Interest Rate	percent		9.15%
				Equipment Interest Rate	percent		8.75%
				Real Interest Rate	percent		3.00%
				Land Taxes	348 /acre (full value)		\$2.57
				Personal Property Tax Rate - NR	\$/ \$1,000 (Assessed Value)		\$22.12
				- R			\$19.03
				Supervision Factors			
				Field Crop-Irrigation	\$/labor hour		\$1.00
				Field Crop-Equipment & General	\$/labor hour		\$0.50
				Vegetable Crop-Irrigation	\$/labor hour		\$2.90
				Vegetable Crop-Equipment & General	\$/labor hour		\$1.00
				Management Rate			
				Field Crops	percent/GR		7.00%
				Vegetable Crops	percent/TOE		10.00%

TABLE 1a. Overhead cost information for Cotton City-Animas area, 2023.

ITEM			
Electricity (Domestic & Shop)	\$256.00	per month	3072
Telephone	\$121.60	per month	1459.2
Accounting & Legal			\$1,817.60
Misc. Supplies & Hand Tools			\$2,822.40
Pickup and Auto			
miles	20000	@	0.665 per mile
Insurance			
- general liability (non-employee)			\$1,907.20
- fire/theft			\$1,536.00
Property Taxes			
- non-planted land			9.515
- other than land & machinery			560
Building repairs and maintenance			\$1,446.40
Dues, fees, publications			\$435.20
Farmstead Equipment			\$179.20
Total			\$28,544.72
Total Per Planted Acre			\$86.76

TABLE 4. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County
 Planting dates: May 1 - May 20
 Harvesting dates: November 1 - November 25

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GRAIN SORGHUM	\$8.96	62 CWT					\$555.52	
ASCS DIVERSION	0	0 CWT					\$0.00	
ASCS DEFICIENCY	0	0 CWT					\$0.00	
TOTAL							\$555.52	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				TOTAL	
SEED	2.25	8 LBS	\$18.00				\$18.00	
ANHYDROUS AMMONIA (NH)	0.375	180 LBS	\$67.50				\$67.50	
HERBICIDE	9.455	1 ACRE	\$9.46				\$9.46	
INSECTICIDE (CUSTOM)	10.065	1 ACRE	\$10.07				\$10.07	
PUMP WATER*		30 AC. IN.						
CROP INSURANCE	0.367647		\$0.37				\$0.37	
SUBTOTAL			\$105.39				\$105.39	
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
RIPPER	185 HP	0.2 HR		\$3.53	\$8.99	\$1.78	\$6.29	\$20.59
DISC	185 HP	0.14 HR		\$2.47	\$6.29	\$1.37	\$4.47	\$14.60
FERTILIZE	185 HP	0.05 HR		\$0.88	\$2.25	\$0.40	\$1.37	\$4.91
DRAG (2X)	96 HP	0.2 HR		\$3.53	\$2.80	\$2.38	\$1.08	\$9.79
DISC & SPRAY	185 HP	0.15 HR		\$2.64	\$6.74	\$1.87	\$5.42	\$16.68
LISTER	185 HP	0.18 HR		\$3.17	\$8.09	\$1.64	\$5.66	\$18.56
PRE-IRRIGATE		0.75 HR		\$12.45	\$5.71	\$0.29	\$2.87	\$21.32
ROLLING CULT	96 HP	0.21 HR		\$3.70	\$2.94	\$2.74	\$1.91	\$11.30
PLANTER	96 HP	0.26 HR		\$4.58	\$3.64	\$5.08	\$3.70	\$17.00
CULTIVATOR (2X)	96 HP	0.42 HR		\$7.40	\$5.88	\$4.96	\$2.63	\$20.88
ROTO BUCK (7X)	96 HP	0.105 HR		\$1.85	\$1.47	\$1.27	\$0.94	\$5.53
IRRIGATE (5X)		2.5 HR		\$41.50	\$28.54	\$1.46	\$14.35	\$85.85
SUBTOTAL		5.165 HR		\$87.71	\$83.34	\$25.25	\$50.69	\$246.99
HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$22.94					\$22.94
HAUL TO STORAGE (CUSTOM)			\$11.78					\$11.78
SUBTOTAL			\$34.72	\$0.00	\$0.00	\$0.00	\$0.00	\$34.72
POST HARVEST OPERATIONS								
SHREDDER	80 HP	0.14 HR		\$2.47	\$1.96	\$1.91	\$1.62	\$7.96
OVERHEAD EXPENSES								
DOWNTIME		0.51375 HR		\$9.06				\$9.06
EMPLOYEE BENEFITS				\$16.23				\$16.23
INSURANCE			\$1.80					\$1.80
LAND TAXES							\$2.57	\$2.57
SUPERVISION AND MANAGEMENT				\$43.16				\$43.16
OTHER EXPENSES			\$86.76					\$86.76
SUBTOTAL		0.51375 HR	\$88.57	\$68.45			\$2.57	\$159.59
TOTAL OPERATING EXPENSES		5.81875 HR	\$228.67	\$158.63	\$85.30	\$27.16	\$54.88	\$554.64
NET OPERATING PROFIT								
							\$0.88	
INTEREST ON OPERATING CAPITAL	(83.70131	@	\$0.10)			\$8.19
INTEREST ON EQUIPMENT INVESTMENT								\$29.57
RETURN TO LAND AND RISK							-\$36.89	

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		555.52	
VARIABLE OPERATING EXPENSES	341.1299		
RETURN OVER VARIABLE EXPENSES	214.3901		(GROSS MARGIN)
FIXED EXPENSES	54.87922		
NET FARM INCOME	159.5109		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	158.6333		
NET OPERATING PROFIT	0.877558		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	37.76719		
RETURN TO LAND AND RISK		-36.8896	

TABLE 5. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County
 Planting dates: April 15 - May 15
 Harvesting dates: October 15 - January 1

ITEM	PRICE	YIELD							TOTAL
GROSS RETURNS									
COTTON LINT	\$0.93	1328 LBS							\$1,235.04
COTTON SEED	\$0.05	2124.8 LBS							\$103.58
TOTAL								\$1,338.62	
PURCHASED INPUTS		PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$8.45		25 LBS	\$211.25					\$211.25
NITROGEN (N)	\$0.83		32 LBS	\$26.56					\$26.56
PHOSPHATE (P2O5)	\$0.85		40 LBS	\$34.00					\$34.00
HERBICIDE	\$9.46		1 ACRE	\$9.46					\$9.46
CROP INSURANCE	\$0.00		1 DOLLAR	\$0.00					\$0.00
PUMP WATER*			28 AC. IN.						
SUBTOTAL				\$281.27					\$281.27
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
RIPPER	185 HP	0.1 HR		\$1.76	\$4.49	\$0.89	\$3.15	\$10.29	
DISC	185 HP	0.14 HR		\$2.47	\$6.29	\$1.37	\$4.47	\$14.60	
FERTILIZE	185 HP	0.05 HR		\$0.88	\$2.25	\$0.40	\$1.37	\$4.91	
DRAG (2X)	96 HP	0.2 HR		\$3.53	\$2.80	\$2.38	\$1.08	\$9.79	
DISC & SPRAY	185 HP	0.15 HR		\$2.64	\$6.74	\$1.87	\$5.42	\$16.68	
LISTER	185 HP	0.18 HR		\$3.17	\$8.09	\$1.64	\$5.66	\$18.56	
PRE-IRRIGATE		1 HR		\$16.60	\$6.39	\$0.33	\$3.21	\$26.53	
ROLLING CULT.	96 HP	0.21 HR		\$3.70	\$2.94	\$2.74	\$1.91	\$11.30	
PLANTER	96 HP	0.26 HR		\$4.58	\$3.64	\$5.08	\$3.70	\$17.00	
CULTIVATOR (2X)	96 HP	0.42 HR		\$7.40	\$5.88	\$4.96	\$2.63	\$20.88	
HAND HOE (CUSTOM)			\$15.00					\$15.00	
ROTO BUCK (5X)	96 HP	0.075 HR		\$1.32	\$1.05	\$0.90	\$0.67	\$3.95	
IRRIGATE (4X)		4 HR		\$66.40	\$25.57	\$1.31	\$12.85	\$106.14	
SUBTOTAL			6.785 HR	\$15.00	\$114.47	\$76.14	\$23.88	\$46.13	\$275.62
HARVEST OPERATIONS									
COTTON PICKER (2X)	2 ROW	1.24 HR		\$21.86	\$32.47	\$57.35	\$41.11	\$152.79	
COTTON TRAILER (2X)	HALF TON	1 HR		\$17.63	\$16.38	\$2.79	\$8.41	\$45.21	
GIN COTTON (CUSTOM)			\$145.02					\$145.02	
SUBTOTAL			2.24 HR	\$145.02	\$39.49	\$48.85	\$60.14	\$49.52	\$343.02
POSTHARVEST OPERATIONS									
SHREDDER	80 HP	0.14 HR		\$2.47	\$1.96	\$1.91	\$1.62	\$7.96	
OVERHEAD EXPENSES									
DOWNTIME		1.04125 HR		\$18.36				\$18.36	
EMPLOYEE BENEFITS				\$28.16				\$28.16	
INSURANCE			\$3.13					\$3.13	
LAND TAXES							\$2.57	\$2.57	
SUPERVISION AND MANAGEMENT				\$100.79				\$100.79	
OTHER EXPENSES			\$86.76					\$86.76	
SUBTOTAL			1.04125 HR	\$89.89	\$147.30		\$2.57	\$239.76	
TOTAL OPERATING EXPENSES			10.20625 HR	\$531.17	\$303.73	\$126.95	\$85.93	\$99.83	\$1,147.62
NET OPERATING PROFIT								\$191.01	
INTEREST ON OPERATING CAPITAL (187.7726 @ \$0.10)								\$18.38	
INTEREST ON EQUIPMENT INVESTMENT								\$56.73	
RETURN TO LAND AND RISK								\$115.90	
* Pump water costs are shown under irrigation in the preharvest operations section.									
BUDGET SUMMARY									
GROSS RETURN		\$1,338.62							
VARIABLE OPERATING EXPENSES	744.0562								
RETURN OVER VARIABLE EXPENSES		\$594.57	(GROSS MARGIN)						
FIXED EXPENSES	99.83307								
NET FARM INCOME		\$494.73	(RETURN TO CAPITAL, LABOR, LAND & RISK)						
LABOR AND MANAGEMENT COST	303.7296								
NET OPERATING PROFIT		\$191.01	(RETURN TO CAPITAL, LAND & RISK)						
CAPITAL COSTS	75.10927								
RETURN TO LAND AND RISK		\$115.90							

TABLE 6. Green chile, flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas Area, Hidalgo County
 Planting dates: March 15 - May 1
 Harvesting dates: August 15 - September 15

ITEM	PRICE	YIELD							TOTAL
GROSS RETURNS									
GREEN CHILE	\$650.00	14 TONS							\$9,100.00
RED CHILE	0	0 LBS							\$0.00
TOTAL								\$9,100.00	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
SEED	\$125.00	4 LBS	\$500.00						\$500.00
ANHYDROUS AMMONIA (NH ₃)	\$0.38	300 LBS	\$112.50						\$112.50
NITROGEN (N)	\$0.83	60 LBS	\$49.80						\$49.80
PHOSPHATE (P2O5)	\$0.85	150 LBS	\$127.50						\$127.50
HERBICIDE	\$12.57	1 ACRE	\$12.57						\$12.57
INSECTICIDE	\$12.57	1 ACRE	\$12.57						\$12.57
CROP INSURANCE	\$0.00	1 DOLLAR	\$0.00						\$0.00
PUMP WATER*		54 AC. IN.							
SUBTOTAL			\$814.93					\$814.93	
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	185 HP	0.14 HR		\$2.47	\$6.29	\$1.37	\$4.47	\$14.60	
PLOW	185 HP	0.48 HR		\$8.46	\$21.57	\$5.38	\$27.26	\$62.68	
DISC	185 HP	0.14 HR		\$2.47	\$6.29	\$1.37	\$4.47	\$14.60	
LASER (CUSTOM)			\$73.33						\$73.33
LISTER & SPRAY	185 HP	0.13 HR		\$2.29	\$5.84	\$1.53	\$4.63	\$14.30	
FERTILIZE	185 HP	0.05 HR		\$0.88	\$2.25	\$0.40	\$1.37	\$4.91	
PRE-IRRIGATE		0.75 HR		\$13.22	\$30.82	\$0.07	\$0.67	\$44.78	
ROLLING CULT	96 HP	0.13 HR		\$2.29	\$1.82	\$1.70	\$4.13	\$9.94	
VEGETABLE PLANTER	96 HP	0.17 HR		\$3.00	\$2.38	\$2.20	\$8.60	\$16.18	
CULTIVATOR (5X)	96 HP	0.65 HR		\$11.46	\$9.10	\$7.68	\$5.92	\$34.16	
THIN & HOE (CUSTOM)			\$90.00						\$90.00
ROTO BUCK (7X)	96 HP	0.21 HR		\$3.70	\$2.94	\$2.53	\$1.88	\$11.05	
IRRIGATE (8X)		4 HR		\$70.52	\$54.80	\$3.28	\$3.55	\$132.14	
SUBTOTAL			6.85 HR	\$163.33	\$120.77	\$144.11	\$27.51	\$66.95	\$522.67
HARVEST OPERATIONS									
HARVEST GREEN (CUSTOM)			\$1,260.00						\$1,260.00
HARVEST RED (CUSTOM)			\$0.00						\$0.00
HAUL	3/4 TON	6 HR		\$105.78	\$98.28	\$13.26	\$17.34	\$234.66	
SUBTOTAL			6 HR	\$1,260.00	\$105.78	\$98.28	\$13.26	\$17.34	\$1,494.66
POST HARVEST OPERATIONS									
SHREDDER	80 HP	0.29 HR		\$5.11	\$4.06	\$3.96	\$3.36	\$16.50	
SUBTOTAL			0.29 HR	\$0.00	\$5.11	\$4.06	\$3.96	\$3.36	\$16.50
OVERHEAD EXPENSES									
DOWNTIME		0.5975 HR		\$3.45					\$3.45
EMPLOYEE BENEFITS				\$41.70					\$41.70
INSURANCE			\$4.63						\$4.63
LAND TAXES						\$2.57			\$2.57
SUPERVISION AND MANAGEMENT				\$200.00					\$200.00
OTHER EXPENSES			\$86.76						\$86.76
SUBTOTAL			0.5975 HR	\$91.40	\$245.14		\$2.57	\$339.11	
TOTAL OPERATING EXPENSES		13.7375 HR	\$2,329.66	\$476.80	\$246.45	\$44.73	\$90.22	\$3,187.86	
NET OPERATING PROFIT								\$5,912.14	
INTEREST ON OPERATING CAPITAL (564.6654 @ \$0.10)								\$55.28	
INTEREST ON EQUIPMENT INVESTMENT								\$74.38	
RETURN TO LAND AND RISK								\$5,782.48	

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$9,100.00	
VARIABLE OPERATING EXPENSES	2620.837		
RETURN OVER VARIABLE EXPENSES	\$6,479.16	(GROSS MARGIN)	
FIXED EXPENSES	90.21612		
NET FARM INCOME	\$6,388.95	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	476.8032		
NET OPERATING PROFIT	\$5,912.14	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	129.6591		
RETURN TO LAND AND RISK	\$5,782.48		

TABLE 7. Red chile, flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas Area, Hidalgo County
 Planting dates: March 15 - May 1
 Harvesting dates: September 15 - January 31

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
RED CHILE	\$1.00	2000 LBS						\$2,000.00
TOTAL							\$2,000.00	
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS			TOTAL		
SEED	18.00	4 LBS	\$72.00			\$72.00		
ANHYDROUS AMMONIA (NH)	0.38	230 LBS	\$86.25			\$86.25		
NITROGEN (N)	0.36	60 LBS	\$21.60			\$21.60		
PHOSPHATE (P2O5)	0.33	150 LBS	\$49.50			\$49.50		
HERBICIDE	14.11	1 ACRE	\$14.11			\$14.11		
INSECTICIDE	14.22	1 ACRE	\$14.22			\$14.22		
CROP INSURANCE	0.00	1 DOLLARS	\$0.00			\$0.00		
PUMP WATER*		48 AC. IN.						
SUBTOTAL			\$257.67			\$257.67		
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$2.47	\$6.29	\$1.37	\$4.47	\$14.60
PLOW	185 HP	0.48 HR		\$8.46	\$21.57	\$5.38	\$27.26	\$62.68
DISC	185 HP	0.14 HR		\$2.47	\$6.29	\$1.37	\$4.47	\$14.60
DRAG (2X)	96 HP	0.2 HR		\$3.53	\$2.80	\$2.38	\$1.08	\$9.79
LISTER	185 HP	0.12 HR		\$2.12	\$5.39	\$1.09	\$3.77	\$12.37
FERTILIZE	185 HP	0.05 HR		\$0.88	\$2.25	\$0.40	\$1.37	\$4.91
PRE-IRRIGATE		0.75 HR		\$13.22	\$27.40	\$0.07	\$0.67	\$41.35
ROLLING CULT	96 HP	0.13 HR		\$2.29	\$1.82	\$1.70	\$1.18	\$6.99
VEGETABLE PLANTER	96 HP	0.17 HR		\$3.00	\$2.38	\$2.20	\$8.60	\$16.18
CULTIVATOR (5X)	96 HP	0.65 HR		\$11.46	\$9.10	\$7.68	\$4.07	\$32.31
THIN & HOE (CUSTOM)			\$90.00					\$90.00
ROTO BUCK (7X)	96 HP	0.21 HR		\$3.70	\$3.44	\$2.53	\$1.88	\$11.55
IRRIGATE (11X)		5.5 HR		\$96.97	\$50.23	\$0.50	\$4.88	\$152.57
SUBTOTAL			\$90.00	\$150.56	\$138.96	\$26.67	\$63.71	\$469.91
HARVEST OPERATIONS								
HARVEST (CUSTOM)			\$400.00					\$400.00
HAUL	3/4 TON	3 HR		\$52.89	\$49.14	\$6.63	\$8.67	\$117.33
SUBTOTAL			\$400.00	\$52.89	\$49.14	\$6.63	\$8.67	\$517.33
POST HARVEST OPERATIONS								
SHREDDER	80 HP	0.29 HR		\$5.11	\$4.06	\$3.96	\$3.36	\$16.50
SUBTOTAL			\$0.00	\$5.11	\$4.06	\$3.96	\$3.36	\$16.50
OVERHEAD EXPENSES								
DOWNTIME		1.395 HR		\$24.59				\$24.59
EMPLOYEE BENEFITS				\$37.54				\$37.54
INSURANCE			\$4.17					\$4.17
LAND TAXES						\$2.57		\$2.57
SUPERVISION AND MANAGEMENT				\$110.74				\$110.74
OTHER EXPENSES			\$86.76					\$86.76
SUBTOTAL			1.395 HR	\$90.93	\$172.88	\$0.00	\$2.57	\$266.38
TOTAL OPERATING EXPENSES		13.225 HR	\$838.60	\$381.44	\$192.17	\$37.26	\$78.31	\$1,527.78
NET OPERATING PROFIT								
							\$472.22	
INTEREST ON OPERATING CAPITAL	(208.8942	@	\$0.10)			\$20.45
INTEREST ON EQUIPMENT INVESTMENT							\$60.04	
RETURN TO LAND AND RISK							\$391.72	

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$2,000.00	
VARIABLE OPERATING EXPENSES	\$1,068.03		
RETURN OVER VARIABLE EXPENSES		\$931.97	(GROSS MARGIN)
FIXED EXPENSES	\$78.31		
NET FARM INCOME		\$853.66	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$381.44		
NET OPERATING PROFIT		\$472.22	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$80.50		
RETURN TO LAND AND RISK		\$391.72	

TABLE 8. Summary of per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County, 2007.

	GRAIN SORGHUM	PICKER COTTON	GREEN CHILE	RED CHILE
	-----FLOOD-----			
	CWT	LBS	TONS	LBS
PRIMARY YIELD	62	1328	14	2000
PRIMARY PRICE	\$8.96	\$0.93	\$650.00	\$1.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$0.00	\$103.58	\$0.00	\$0.00
GROSS RETURN	\$555.52	\$1,338.62	\$9,100.00	\$2,000.00
CASH OPERATING EXPENSES				
SEED	\$18.00	\$211.25	\$500.00	\$72.00
FERTILIZER	\$67.50	\$60.56	\$289.80	\$157.35
CHEMICALS	\$19.52	\$9.46	\$25.13	\$28.32
CROP INSURANCE	\$0.37	\$0.00	\$0.00	\$0.00
OTHER PURCHASED INPUTS				
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$51.05	\$94.99	\$160.83	\$114.54
FUEL-IRRIGATION	\$34.25	\$31.96	\$85.62	\$77.63
REPAIRS	\$27.16	\$85.93	\$44.73	\$37.26
CUSTOM CHARGES	\$34.72	\$160.02	\$1,423.33	\$490.00
LAND TAXES	\$2.57	\$2.57	\$2.57	\$2.57
OTHER EXPENSES	\$88.57	\$89.89	\$91.40	\$90.93
TOTAL CASH EXPENSES	\$343.70	\$746.62	\$2,623.40	\$1,070.60
RETURN OVER CASH EXPENSES	\$211.82	\$592.00	\$6,476.60	\$929.40
FIXED EXPENSES	\$52.31	\$97.27	\$87.65	\$75.74
TOTAL EXPENSES	\$396.01	\$843.89	\$2,711.05	\$1,146.34
NET FARM INCOME	\$159.51	\$494.73	\$6,388.95	\$853.66
LABOR AND MANAGEMENT COSTS	\$158.63	\$303.73	\$637.00	\$381.44
NET OPERATING PROFIT	\$0.88	\$191.01	\$5,751.95	\$472.22
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL	\$8.19	\$18.38	\$55.28	\$20.45
INTEREST ON EQUIPMENT INVESTMENT	\$29.57	\$56.73	\$74.38	\$60.04
TOTAL CAPITAL COSTS	\$37.77	\$75.11	\$129.66	\$80.50
RETURN TO LAND AND RISK	-\$36.89	\$115.90	\$5,622.29	\$391.72

TABLE 9. Whole farm summary, Cotton City-Animas Area, Hidalgo County,
Actual 2023

GROSS RETURNS		
GRAIN SORGHUM	136 ACRES	
CROP		\$75,551
ASCS DEFICIENCY		\$0
ASCS DIVERSION		\$0
UPLAND COTTON	153 ACRES	
LINT		\$188,961
SEED		\$15,848
ASCS DEFICIENCY		\$0
ASCS DIVERSION		\$0
GREEN CHILE	20 ACRES	
GREEN		\$182,000
RED		\$0
RED CHILE	20 ACRES	
CROP		\$40,000
GROSS RETURN		<u>\$502,360</u>
CASH OPERATING EXPENSES		
SEED		\$46,209
FERTILIZER		\$27,389
CHEMICALS		\$5,170
CROP INSURANCE		\$2,210
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$26,983
FUEL-IRRIGATION		\$12,813
REPAIRS		\$18,481
CUSTOM CHARGES		\$67,471
LAND TAXES		\$844
OTHER EXPENSES		\$29,445
TOTAL CASH EXPENSES		<u>\$237,016</u>
RETURN OVER CASH EXPENSES		\$265,344
FIXED EXPENSES		\$25,264
TOTAL EXPENSES		\$262,280
NET FARM INCOME		\$240,080
LABOR AND MANAGEMENT COSTS		\$88,414
NET OPERATING PROFIT		\$151,666
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$5,442
INTEREST ON EQUIPMENT INVESTMENT		\$15,390
TOTAL CAPITAL COSTS		<u>\$20,831</u>
RETURN TO LAND AND RISK		<u>\$130,835</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
500 /ACRE	124,835.23	40.35%
700 /ACRE	122,435.23	33.27%
900 /ACRE	120,035.23	28.30%
1100 /ACRE	117,635.23	24.63%
1300 /ACRE	115,235.23	21.79%
1500 /ACRE	112,835.23	19.55%

* RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)

** NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)