TABLE 1. Acreage Summary, Eddy County, Carlsbad Basin area, 2024

BUDGET AREA.....	CARLSBAD BASIN, EDDY COUNTY
FARM SIZE.....	200 ACRES
IRRIGATION TYPE.....	FLOOD
NUMBER OF CROPS.....	6

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE AC. IN. PER ACRE	WATER USE TOTAL AC. IN.
ALFALFA ESTABLISHMENT *	25.00	8	200
ALFALFA	100.00	48	4,800
BARLEY	4.25	20	85
ARP	0.00		
FLEX IN PICKER COTTON	0.75	22	17
PICKER COTTON	51.00	22	1,122
ARP	0.00		
FLEX IN PICKER COTTON	9.00	22	198
STRIPPER COTTON	0.00	0	0
ARP	0.00		
FLEX	0.00		0
SUDAN	10.00	24	240
RED CHILE	5.00	48	240
ROADS, DITCHES, BORDERS, HOMESTEAD	20.00		
TOTAL	200.00		6,902
ACRE FEET PER ACRE OF WATER RIGHTS			2.88

* DOUBLE-CROPPED

TABLE 2. Basic cost information for the Carlsbad Basin, Eddy County, 2024

Item				
Labor Wage Rate:				
Equipment operators		$/hour		$20.00
General & Irrigators		$/hour		$16.77
Purchased Inputs:				
Fertilizer:				
Nitrogen (N)		$/pound		$0.35
Phosphate (P_2O_5)		$/pound		$0.48
Canal water	3 AC. FT.	$/acre		$69.00
Wire		$/lb.		$1.32
Seed:				
Alfalfa		$/pound		$4.12
Cotton				
Picker		$/pound		$8.45
Stripper		$/pound		$8.45
Barley		$/pound		$0.56
Sudan		$/pound		$0.84
Diesel fuel		$/gallon		$3.98
Gasoline		$/gallon		$3.12
Electricity		cents/KwHr		12.08
Natural Gas		$/MCF		$2.52
LP Gas		$/gallon		$2.55
Employee Liability Insurance		$/$1,000 wages		$20.00
Employee Benefits		percent/wages		18.00%
Labor Downtime		percent		25.00%
Financial Rates:				
Operating Capital Interest Rate		percent		9.25%
Land Interest Rate		percent		8.15%
Equipment Interest Rate		percent		7.15%
Real Interest Rate		percent		1.82%
Land Taxes	$250.00	/acre (full value)		$2.44
Personal Property Tax Rate - NR		$/$1,000	(Assessed	$29.23
- R			Value)	$25.16
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-Equip & General		$/labor hour		$1.00
Management Rate				
Field Crops		percent/GR		7.00%
Vegetable Crops		percent/TOE		10.00%

TABLE 3. Overhead cost information for the Carlsbad Basin, Eddy County, 2024

Item					
Electricity (Domestic & Shop)			$250.88	per month	$3,011
Telephone			$125.44	per month	$1,505
Accounting & Legal					$1,727
Misc. Supplies & Hand Tools					$2,650
Pickup and Auto					
miles	25,600	@	$0.700	per mile	$17,920
Insurance					
- general liability (non-employee)					$1,944
- fire/theft					$1,569
Property Taxes					
- non-planted land					$0
- other than land & machinery					$6,010
Fixed Costs: Pump					$1,610
Building repairs and maintenance					$1,569
Dues, fees, publications					$448
Farmstead Equipment					$184
				Total	$40,147
			Total Per Planted Acre		$223.04

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, 2024

Planting dates: August 20 - September 30

ITEM	PRICE	QUANTITY		PURCHASED INPUTS					TOTAL
PURCHASED INPUTS									
SEED	4.12	25.00	LBS	$103.00					$103.00
CANAL WATER	69.00	8.00	AC. IN.	$46.00					
PUMP WATER		0.00	AC. IN.						
SUBTOTAL				$149.00					$103.00

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	145 HP	0.17	HR		$3.40	$5.58	$1.15	$3.07	$13.20
PLOW	145 HP	0.67	HR		$13.40	$22.00	$5.44	$12.45	$53.28
DISC (3X)	145 HP	0.51	HR		$10.20	$16.74	$3.44	$9.20	$39.59
LASER (CUSTOM)				$73.33					$73.33
RIPPER	145 HP	0.27	HR		$5.40	$8.86	$1.32	$36.06	$51.64
DISC	145 HP	0.17	HR		$3.40	$5.58	$1.15	$3.07	$13.20
DRAG	96 HP	0.17	HR		$3.40	$3.23	$0.15	$0.92	$7.70
BORDER DISC (2X)	27 HP	0.10	HR		$2.00	$1.17	$0.14	$0.58	$3.89
DRILL	96 HP	0.21	HR		$4.20	$3.99	$0.41	$12.47	$21.07
IRRIGATE (2X)		1.00	HR		$16.77	$0.00	$0.00	$0.00	$16.77
SUBTOTAL		3.27	HR	$73.33	$62.17	$67.16	$13.19	$77.82	$293.67
OVERHEAD EXPENSES									
DOWNTIME		0.57	HR		$11.35				$11.35
EMPLOYEE BENEFITS					$11.19				$11.19
INSURANCE				$1.24					$1.24
SUPERVISION AND MANAGEMENT					$29.90				$29.90
SUBTOTAL		0.57	HR	$1.24	$52.44				$53.69
TOTAL OPERATING EXPENSES		3.84	HR	$223.57	$114.61	$67.16	$13.19	$77.82	$450.35

TABLE 7. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, 2024
Harvesting dates: May 20 - October 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
ALFALFA HAY	$250.00	6.1 TONS (STACKED)	$1,525.00
GRAZING	$10.00	1.0 ACRE	$10.00
TOTAL			$1,535.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
NITROGEN (N)	$0.35	36 LBS	$12.60		$12.60
PHOSPHATE (P205)	$0.48	92 LBS	$44.16		$44.16
INSECTICIDE (CUSTOM)	$27.53	1 X/ACRE	$27.53		$27.53
HERBICIDE (CUSTOM)	$26.23	1 X/ACRE	$26.23		$26.23
WIRE	$1.32	51 LBS	$67.32		$67.32
ESTABLISHMENT: Principal		4 YEARS		$112.59	$112.59
: Interest				$22.49	$22.49
CANAL WATER		48 AC. IN.	$69.00		$69.00
PUMP WATER*		0 AC. IN.			$0.00
SUBTOTAL			$246.84	$135.08	$381.92

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
BORDER DISC (6X)	27 HP	0.30 HR		$6.00	$3.50	$0.42	$1.75	$11.66
FERTILIZE	DEALER APPLIED							
IRRIGATE (8X)		4.00 HR		$67.08	$0.00	$0.00	$0.00	$67.08
SUBTOTAL		4.30 HR		$73.08	$3.50	$0.42	$1.75	$78.74
HARVEST OPERATIONS								
SWATHER (6X)	14 FT SP	0.80 HR		$16.00	$11.92	$0.44	$15.09	$43.45
RAKE (4X)	96 HP	0.48 HR		$9.60	$9.12	$0.64	$3.33	$22.69
BALER (6X)	145 HP	1.26 HR		$25.20	$41.37	$5.27	$20.75	$92.58
BALEWAGON			$58.56					$58.56
SUBTOTAL		2.54 HR	$58.56	$50.80	$62.41	$6.35	$39.17	$217.28
OVERHEAD EXPENSES								
DOWNTIME		0.71 HR		$14.20				$14.20
EMPLOYEE BENEFITS				$22.30				$22.30
INSURANCE			$2.48					$2.48
LAND TAXES							$2.44	$2.44
SUPERVISION AND MANGEMENT				$112.87				$112.87
OTHER EXPENSES			$223.04					$223.04
SUBTOTAL		0.71 HR	$225.52	$149.37			$2.44	$377.32
TOTAL OPERATING EXPENSES		7.55 HR	$530.92	$273.25	$65.91	$6.76	$178.42	$1,055.26
NET OPERATING PROFIT								$479.74
INTEREST ON OPERATING CAPITAL		($130.13 @	9.25%)					$12.04
INTEREST ON EQUIPMENT INVESTMENT								$30.26
RETURN TO LAND AND RISK								$437.44

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

BUDGET SUMMARY

GROSS RETURN		$1,535.00	
VARIABLE OPERATING EXPENSES	$603.59		
RETURN OVER VARIABLE EXPENSES		$931.41	(GROSS MARGIN)
FIXED EXPENSES	$178.42		
NET FARM INCOME		$752.99	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$273.25		
NET OPERATING PROFIT		$479.74	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$42.30		
RETURN TO LAND AND RISK		$437.44	

TABLE 8. Barley, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, 2024

Planting dates: August 20 - September 30
Harvesting dates: June 15 - July 1

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
BARLEY	$15.39	25.0 CWT		$384.75
PROGRAM PAYMENT	$0.00	25.0 CWT	0.85	$0.00
PLC PAYMENT	$0.00			$0.00
GRAZING	$40.00	1.0 ACRE		$40.00
TOTAL				$424.75

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	$0.56	110 LBS	$61.60		$61.60
NITROGEN (N)	$0.35	40 LBS	$14.00		$14.00
HERBICIDE	$14.11	1 X/ACRE	$14.11		$14.11
CANAL WATER		20 AC. IN.	$69.00		$69.00
PUMP WATER*		0 AC. IN.			$0.00
CROP INSURANCE	$11.76		$11.76		$11.76
SUBTOTAL			$170.47		$170.47

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	145 HP	0.67 HR		$13.40	$22.00	$5.44	$12.45	$53.28
DISC (2X)	145 HP	0.34 HR		$6.80	$11.16	$2.29	$6.14	$26.39
DRAG	96 HP	0.17 HR		$3.40	$3.23	$0.15	$0.92	$7.70
BORDER DISC	27 HP	0.05 HR		$1.00	$0.58	$0.07	$0.29	$1.94
DRILL	96 HP	0.21 HR		$4.20	$3.99	$0.41	$12.47	$21.07
IRRIGATE (5X)		2.50 HR		$41.93	$0.00	$0.00	$0.00	$41.93
SUBTOTAL		3.94 HR		$70.73	$40.96	$8.36	$32.26	$152.32
HARVEST OPERATIONS								
COMBINE (CUSTOM)			$14.68					$14.68
HAUL (CUSTOM)			$7.80					$7.80
SUBTOTAL			$22.48					$22.48
OVERHEAD EXPENSES								
DOWNTIME		0.36 HR		$7.20				$7.20
EMPLOYEE BENEFITS				$12.73				$12.73
INSURANCE			$1.41					$1.41
LAND TAXES							$2.44	$2.44
SUPERVISION AND MANGEMENT				$30.15				$30.15
OTHER EXPENSES			$223.04					$223.04
SUBTOTAL		0.36 HR	$224.46	$50.08			$2.44	$276.97
TOTAL OPERATING EXPENSES		4.30 HR	$417.41	$120.81	$40.96	$8.36	$34.70	$622.24
NET OPERATING PROFIT								($197.49)
INTEREST ON OPERATING CAPITAL		($99.44 @	9.25%)					$9.20
INTEREST ON EQUIPMENT INVESTMENT								$18.53
RETURN TO LAND AND RISK								($225.22)

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

BUDGET SUMMARY

GROSS RETURN		$424.75	
VARIABLE OPERATING EXPENSES	$466.73		
RETURN OVER VARIABLE EXPENSES		($41.98)	(GROSS MARGIN)
FIXED EXPENSES	$34.70		
NET FARM INCOME		($76.68)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$120.81		
NET OPERATING PROFIT		($197.49)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$27.73		
RETURN TO LAND AND RISK		($225.22)	

TABLE 9. Sudan, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, 2024

Planting Dates: August 20 - September 30
Harvesting dates: June 15 - July 1

ITEM	PRICE	YIELD			TOTAL
GROSS RETURNS					
GRAZING	$185.00	4.5	TON	(STACKED)	$832.50
TOTAL					$832.50

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	$0.84	25	LBS	$21.00		$21.00
NITROGEN (N)	$0.35	250	LBS	$87.50		$87.50
PHOSPHATE (P2O5)	$0.48	60	LBS	$28.80		$28.80
CANAL WATER		24	AC. IN.	$69.00		$69.00
PUMP WATER*		0	AC. IN.			$0.00
SUBTOTAL				$206.30		$206.30

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	145 HP	0.67	HR		$13.40	$22.00	$5.44	$12.45	$53.28
DISC (2X)	145 HP	0.28	HR		$5.60	$9.19	$1.89	$5.05	$21.74
DRAG	96 HP	0.17	HR		$3.40	$3.23	$0.15	$0.92	$7.70
BORDER DISC	27 HP	0.05	HR		$1.00	$0.58	$0.07	$0.29	$1.94
DRILL	96 HP	0.21	HR		$4.20	$3.99	$0.41	$12.47	$21.07
IRRIGATE (6X)		3.00	HR		$50.31	$0.00	$0.00	$0.00	$50.31
SUBTOTAL		4.38	HR		$77.91	$38.99	$7.96	$31.18	$156.04
OVERHEAD EXPENSES									
DOWNTIME		0.35	HR		$6.90				$6.90
EMPLOYEE BENEFITS					$14.02				$14.02
INSURANCE				$1.56					$1.56
LAND TAXES								$2.44	$2.44
SUPERVISION AND MANGEMENT					$61.97				$61.97
OTHER EXPENSES				$223.04					$223.04
SUBTOTAL		0.35	HR	$224.60	$82.89			$2.44	$309.92
TOTAL OPERATING EXPENSES		4.73	HR	$430.90	$160.80	$38.99	$7.96	$33.62	$672.27
NET OPERATING PROFIT									$160.23
INTEREST ON OPERATING CAPITAL		($114.89	@	9.25%)					$10.63
INTEREST ON EQUIPMENT INVESTMENT									$17.78
RETURN TO LAND AND RISK									$131.82

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

BUDGET SUMMARY

GROSS RETURN		$832.50	
VARIABLE OPERATING EXPENSES	$477.85		
RETURN OVER VARIABLE EXPENSES		$354.65	(GROSS MARGIN)
FIXED EXPENSES	$33.62		
NET FARM INCOME		$321.03	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$160.80		
NET OPERATING PROFIT		$160.23	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$28.41		
RETURN TO LAND AND RISK		$131.82	

TABLE 10. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, 2024

Planting dates: April 15 - May 15
Harvesting dates: October 15 - January 15

ITEM	PRICE	YIELD		BASE	TOTAL
GROSS RETURNS					
COTTON LINT	$0.70	750	LBS		$525.00
COTTON SEED	$0.08	1,200	LBS		$100.80
PROGRAM PAYMENT	$0.0000	750	LBS	0.85	$0.00
PLC PAYMENT	$0.3346	750	LBS	0.85	$213.31
TOTAL					$839.11

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	$8.45	20	LBS	$169.00		$169.00
NITROGEN (N)	$0.35	20	LBS	$7.00		$7.00
PHOSPHATE (P205)	$0.48	40	LBS	$19.20		$19.20
HERBICIDE	$13.22	1	ACRE	$13.22		$13.22
INSECTICIDE (CUSTOM)	$27.39	2	X/ACRE	$54.78		$54.78
CROP INSURANCE			FCIC	$0.82		$0.82
CANAL WATER		22	AC. IN.	$69.00		$69.00
PUMP WATER*		0	AC. IN.			$0.00
SUBTOTAL				$333.03		$333.03

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	145 HP	0.67	HR		$13.40	$22.00	$5.44	$12.45	$53.28
DISC	145 HP	0.17	HR		$3.40	$5.58	$1.15	$3.07	$13.20
DRAG	96 HP	0.17	HR		$3.40	$3.23	$0.15	$0.92	$7.70
DISC & SPRAY	145 HP	0.20	HR		$4.00	$6.57	$1.35	$3.61	$15.53
LISTER	96 HP	0.18	HR		$3.60	$3.42	$0.52	$4.09	$11.63
FERTILIZE	DEALER APPLIED								
PRE-IRRIGATE		0.75	HR		$12.58	$0.00	$0.00	$0.00	$12.58
ROLLING CULTIVATOR	96 HP	0.21	HR		$4.20	$3.99	$0.71	$5.42	$14.32
PLANTER	96 HP	0.26	HR		$5.20	$4.94	$0.66	$11.73	$22.53
CULTIVATOR (4X)	27 HP	0.84	HR		$16.80	$9.80	$6.06	$14.89	$47.55
HOEING				$20.00					$20.00
IRRIGATE (3X)		1.50	HR		$25.16	$0.00	$0.00	$0.00	$25.16
SUBTOTAL		4.95	HR	$20.00	$91.73	$59.53	$16.03	$56.18	$243.47
HARVEST OPERATIONS									
COTTON PICKER (CUSTOM)				$112.28					$112.28
HAUL	80 HP	0.50	HR		$10.00	$9.50	$0.46	$5.49	$25.45
GIN COTTON (CUSTOM)				$112.28					$112.28
SUBTOTAL		0.50	HR	$224.55	$10.00	$9.50	$0.46	$5.49	$250.00
POSTHARVEST OPERATIONS									
SHREDDER	80 HP	0.29	HR		$5.80	$5.51	$0.32	$3.70	$15.33
SUBTOTAL		0.29	HR		$5.80	$5.51	$0.32	$3.70	$15.33
OVERHEAD EXPENSES									
DOWNTIME		0.83	HR		$16.60				$16.60
EMPLOYEE BENEFITS					$19.36				$19.36
INSURANCE				$2.15					$2.15
LAND TAXES								$2.44	$2.44
SUPERVISION AND MANGEMENT					$62.65				$62.65
OTHER EXPENSES				$223.04					$223.04
SUBTOTAL		0.83	HR	$225.19	$98.60			$2.44	$326.23
TOTAL OPERATING EXPENSES		6.57	HR	$802.77	$206.14	$74.54	$16.81	$67.81	$1,168.06
NET OPERATING PROFIT									($328.96)
INTEREST ON OPERATING CAPITAL		($187.69	@	9.25%)					$17.36
INTEREST ON EQUIPMENT INVESTMENT									$39.42
RETURN TO LAND AND RISK									($385.74)

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

BUDGET SUMMARY

GROSS RETURN		$839.11	
VARIABLE OPERATING EXPENSES	$894.12		
RETURN OVER VARIABLE EXPENSES		($55.01)	(GROSS MARGIN)
FIXED EXPENSES	$67.81		
NET FARM INCOME		($122.82)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$206.14		
NET OPERATING PROFIT		($328.96)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$56.78		
RETURN TO LAND AND RISK		($385.74)	

TABLE 11. Upland cotton (stripper), flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, 2024

Planting dates: April 15 - May 15
Harvesting dates: October 15 - January 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
COTTON LINT	$0.70	750 LBS		$525.00
COTTON SEED	$0.08	1,200 LBS		$100.80
PROGRAM PAYMENT	$0.0000	750 LBS	0.85	$0.00
PLC PAYMENT	$0.3346	750 LBS	0.85	$213.31
TOTAL				$839.11

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	$8.45	20 LBS	$169.00		$169.00
NITROGEN (N)	$0.35	20 LBS	$7.00		$7.00
PHOSPHATE (P205)	$0.48	40 LBS	$19.20		$19.20
HERBICIDE	$13.22	1 X/ACRE	$13.22		$13.22
INSECTICIDE (CUSTOM)	$25.95	2 X/ACRE	$51.89		$51.89
CROP INSURANCE		FCIC	$9.65		$9.65
CANAL WATER		22 AC. IN.	$69.00		$69.00
PUMP WATER*		0 AC. IN.			$0.00
SUBTOTAL			$338.97		$338.97

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	145 HP	0.67 HR		$13.40	$22.00	$5.44	$12.45	$53.28
DISC	145 HP	0.17 HR		$3.40	$5.58	$1.15	$3.07	$13.20
DRAG	96 HP	0.17 HR		$3.40	$3.23	$0.15	$0.92	$7.70
DISC & SPRAY	145 HP	0.20 HR		$4.00	$6.57	$1.35	$3.61	$15.53
LISTER	96 HP	0.18 HR		$3.60	$3.42	$0.52	$4.09	$11.63
FERTILIZE	DEALER APPLIED							
PRE-IRRIGATE		0.75 HR		$12.58	$0.00	$0.00	$0.00	$12.58
ROLLING CULTIVATOR	96 HP	0.21 HR		$4.20	$3.99	$0.71	$5.42	$14.32
PLANTER	96 HP	0.26 HR		$5.20	$4.94	$0.66	$11.73	$22.53
CULTIVATOR (4X)	27 HP	0.84 HR		$16.80	$9.80	$6.06	$14.89	$47.55
IRRIGATE (2X)		1.00 HR		$16.77	$0.00	$0.00	$0.00	$16.77
SUBTOTAL		4.45 HR		$83.35	$59.53	$16.03	$56.18	$215.09
HARVEST OPERATIONS								
COTTON STRIPPER (CUSTOM)			$134.55					$134.55
HAUL	96 HP	0.75 HR		$15.00	$14.25	$0.70	$8.23	$38.18
GIN COTTON (CUSTOM)			$134.55					$134.55
SUBTOTAL		0.75 HR	$269.10	$15.00	$14.25	$0.70	$8.23	$307.28
POSTHARVEST OPERATIONS								
SHREDDER	80 HP	0.29 HR		$5.80	$5.51	$0.32	$3.70	$15.33
SUBTOTAL		0.29 HR		$5.80	$5.51	$0.32	$3.70	$15.33
OVERHEAD EXPENSES								
DOWNTIME		0.94 HR		$18.70				$18.70
EMPLOYEE BENEFITS				$18.75				$18.75
INSURANCE			$2.08					$2.08
LAND TAXES							$2.44	$2.44
SUPERVISION AND MANGEMENT				$62.02				$62.02
OTHER EXPENSES			$223.04					$223.04
SUBTOTAL		0.94 HR	$225.12	$99.47			$2.44	$327.03
TOTAL OPERATING EXPENSES		6.43 HR	$833.19	$203.62	$79.29	$17.05	$70.55	$1,203.69
NET OPERATING PROFIT								($364.58)
INTEREST ON OPERATING CAPITAL		($191.08 @	9.25%)					$17.67
INTEREST ON EQUIPMENT INVESTMENT								$40.63
RETURN TO LAND AND RISK								($422.88)

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

BUDGET SUMMARY

GROSS RETURN		$839.11	
VARIABLE OPERATING EXPENSES	$929.52		
RETURN OVER VARIABLE EXPENSES		($90.41)	(GROSS MARGIN)
FIXED EXPENSES	$70.55		
NET FARM INCOME		($160.96)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$203.62		
NET OPERATING PROFIT		($364.58)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$58.30		
RETURN TO LAND AND RISK		($422.88)	

TABLE 12. Red chile, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin,

Planting dates: April 1 - April 15
Harvesting dates: September 1 - October 30

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
RED CHILE	$1.00	3,200 LBS	$3,200.00
TOTAL			$3,200.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	21	8 LBS	$168.00		$168.00
NITROGEN (N)	0.35	200 LBS	$70.00		$70.00
PHOSPHATE (P205)	0.48	60 LBS	$28.80		$28.80
HERBICIDE (CUSTOM)	31.0784	1 X/ACRE	$31.08		$31.08
INSECTICIDE (CUSTOM)	44.48	1 X/ACRE	$44.48		$44.48
CROP INSURANCE		40 DOLLARS	$40.00		$40.00
CANAL WATER		48 AC. IN.	$69.00		$69.00
SUBTOTAL			$451.36		$451.36

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	145 HP	0.17 HR		$3.40	$5.58	$1.15	$3.07	$13.20
PLOW	145 HP	0.48 HR		$9.60	$15.76	$3.89	$8.92	$38.17
DISC (2X)	145 HP	0.34 HR		$6.80	$11.16	$2.29	$6.14	$26.39
FLOAT	96 HP	0.16 HR		$3.20	$3.04	$0.15	$0.86	$7.25
FERTILIZE (CUSTOM)	DEALER APPLIED							
LISTER	145 HP	0.18 HR		$3.60	$5.91	$1.07	$5.58	$16.16
PRE-IRRIGATE		0.05 HR		$0.84	$0.00	$0.00	$29.62	$30.45
CULTIVATOR	96 HP	0.21 HR		$4.20	$3.99	$1.49	$3.48	$13.17
PLANTER	96 HP	0.26 HR		$5.20	$4.94	$0.66	$11.73	$22.53
CULTIVATOR (2X)	27 HP	0.42 HR		$8.40	$4.90	$3.03	$7.45	$23.78
THIN & HOE (2X)			$80.00					$80.00
IRRIGATE (7X)		3.50 HR		$58.70	$0.00	$0.00	$0.00	$58.70
SUBTOTAL		5.60 HR	$80.00	$103.93	$55.28	$13.73	$76.84	$329.79
HARVEST OPERATIONS								
HAND PICK			$640.00					$640.00
FIELD HAUL	96 HP	1.00 HR		$20.00	$19.00	$0.93	$18.75	$58.68
HAUL (CUSTOM)			$96.00					$96.00
SUBTOTAL		1.00 HR	$736.00	$20.00	$19.00	$0.93	$18.75	$794.68
POSTHARVEST OPERATIONS								
	27 HP							
SHREDDER	27 HP	0.29 HR		$5.80	$3.38	$0.35	$4.03	$13.57
OVERHEAD EXPENSES								
DOWNTIME		0.88 HR		$17.55				$17.55
EMPLOYEE BENEFITS				$18.71				$18.71
INSURANCE			$2.08					$2.08
LAND TAXES							$2.44	$2.44
SUPERVISION AND MANGEMENT				$124.17				$124.17
OTHER EXPENSES			$223.04					$223.04
SUBTOTAL		0.88 HR	$225.12	$160.43			$2.44	$387.98
TOTAL OPERATING EXPENSES		7.77 HR	$1,492.48	$290.16	$77.67	$15.01	$102.07	$1,977.38
NET OPERATING PROFIT								$1,222.62
INTEREST ON OPERATING CAPITAL		($309.16 @	9.25%)					$28.60
INTEREST ON EQUIPMENT INVESTMENT								$240.34
RETURN TO LAND AND RISK								$953.68

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

BUDGET SUMMARY

GROSS RETURN		$3,200.00	
VARIABLE OPERATING EXPENSES	$1,585.15		
RETURN OVER VARIABLE EXPENSES		$1,614.85	(GROSS MARGIN)
FIXED EXPENSES	$102.07		
NET FARM INCOME		$1,512.78	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$290.16		
NET OPERATING PROFIT		$1,222.62	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$268.94		
RETURN TO LAND AND RISK		$953.68	

TABLE 13. Summary of per acre costs and returns for a 200 acre farm with above average management, Carlsbad Basin, Eddy County, 2024

	ALFALFA ESTABLISHMENT	ALFALFA HAY	BARLEY	SUDAN	PICKER COTTON	STRIPPER COTTON	RED CHILE
		TONS	CWT	ACRE	LBS	LBS	CWT
PRIMARY YIELD		6.10	25.00	4.50	750.00	0.00	3,200.00
PRIMARY PRICE		$250.00	$15.39	$185.00	$0.70	$0.00	$1.00
GOVERNMENT PAYMENTS		$0.00	$0.00	$0.00	$213.31	$0.00	$0.00
SECOND INCOME		$10.00	$40.00	$0.00	$100.80	$0.00	$0.00
GROSS RETURN		$1,535.00	$424.75	$832.50	$839.11	$0.00	$3,200.00
CASH OPERATING EXPENSES							
SEED	$103.00		$44.10	$21.00	$169.00	$0.00	$168.00
FERTILIZER		$56.76	$14.00	$116.30	$26.20	$0.00	$98.80
CHEMICALS		$53.76	$14.11		$68.01	$0.00	$75.56
CROP INSURANCE			$11.76		$0.82	$0.00	$40.00
OTHER PURCHASED INPUTS		$67.32					
CANAL WATER	$46.00	$69.00	$69.00	$69.00	$69.00	$0.00	$69.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	$67.16	$65.91	$40.96	$38.99	$74.54	$0.00	$77.67
FUEL-IRRIGATION	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
REPAIRS	$13.19	$6.76	$8.36	$7.96	$16.81	$0.00	$15.01
CUSTOM CHARGES	$73.33	$58.56	$22.48		$244.55	$0.00	$816.00
LAND TAXES		$2.44	$2.44	$2.44	$2.44	$0.00	$2.44
OTHER EXPENSES	$1.24	$225.52	$224.46	$224.60	$225.19	$0.00	$225.12
TOTAL CASH EXPENSES	$303.92	$606.02	$451.67	$480.29	$896.56	$0.00	$1,587.59
RETURN OVER CASH EXPENSES	($303.92)	$928.98	($26.92)	$352.21	($57.45)	$0.00	$1,612.41
FIXED EXPENSES	$77.82	$175.99	$32.26	$31.18	$65.37	$0.00	$99.63
TOTAL EXPENSES	$381.74	$782.01	$483.93	$511.47	$961.93	$0.00	$1,687.22
NET FARM INCOME	($381.74)	$752.99	($59.18)	$321.03	($122.82)	$0.00	$1,512.78
LABOR AND MANAGEMENT COSTS	$114.61	$273.25	$120.81	$160.80	$206.14	$0.00	$290.16
NET OPERATING PROFIT	($496.35)	$479.74	($179.99)	$160.23	($328.96)	$0.00	$1,222.62
CAPITAL COSTS							
INTEREST ON OPERATING CAPITAL		$12.04	$2.38	$10.63	$17.36	$0.00	$28.60
INTEREST ON EQUIPMENT INVESTMENT		$30.26	$18.53	$17.78	$39.42	$0.00	$240.34
TOTAL CAPITAL COSTS	$0.00	$42.30	$20.91	$28.41	$56.78	$0.00	$268.94
RETURN TO LAND AND RISK	($496.35)	$437.44	($200.90)	$131.82	($385.74)	$0.00	$953.68

TABLE 14. Whole farm budget summary, Carlsbad Basin, Eddy County, 2024

GROSS RETURNS					
ALFALFA HAY	100	ACRES			
CROP			$152,500		
GRAZING			$1,000		
BARLEY	4.25	ACRES			
CROP			$1,635		
PROGRAM PAYMENT			$0		
PLC PAYMENT			$0		
GRAZING			$170		
UPLAND COTTON	60.75	ACRES			
COTTON LINT			$31,894		
COTTON SEED			$6,124		
PROGRAM PAYMENT			$0		
PLC PAYMENT			$12,958		
STRIPPER COTTON	0	ACRES			
COTTON LINT			$0		
COTTON SEED			$0		
PROGRAM PAYMENT			$0		
PLC PAYMENT			$0		
SUDAN	10	ACRES			
GRAZING			$8,325		
RED CHILE	5	ACRES			
CROP			$16,000		
GROSS RETURN					$230,606
CASH OPERATING EXPENSES					
SEED			$14,079		
FERTILIZER			$8,984		
CHEMICALS			$9,945		
CROP INSURANCE			$300		
OTHER PURCHASED INPUTS			$6,732		
CANAL WATER			$13,570		
FUEL, OIL & LUBRICANTS-EQUIPMENT			$13,750		
FUEL-IRRIGATION			$0		
REPAIRS			$2,218		
CUSTOM CHARGES			$26,721		
LAND TAXES			$438		
OTHER EXPENSES			$40,589		
TOTAL CASH EXPENSES				$137,327	
RETURN OVER CASH EXPENSES					$93,279
FIXED EXPENSES			$13,204		
TOTAL EXPENSES				$150,530	
NET FARM INCOME					$80,076
LABOR AND MANAGEMENT COSTS			$46,285		
NET OPERATING PROFIT					$33,790
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL			$2,518		
INTEREST ON EQUIPMENT INVESTMENT			$6,879		
TOTAL CAPITAL COSTS				$9,397	
RETURN TO LAND AND RISK					$24,393

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
$750 /ACRE	$21,663	13.05%
$1,500 /ACRE	$18,933	8.26%
$2,250 /ACRE	$16,203	6.04%
$3,000 /ACRE	$13,473	4.77%

* 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)