		WATER	R USE
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	52.00 *	8	416
		-	
ALFALFA	260.00	50	13,000
BARLEY	17.00	28	476
ARP	0.00		
FLEX IN PICKER COTTON	3.00	30	90
OAT HAY	20.00	28	560
PICKER COTTON	68.00	30	2.040
ARP	0.00		_,
FLEX IN PICKER COTTON	12.00	30	360
STRIPPER COTTON	68.00	30	2.040
ARP	0.00		,-
FLEX IN PICKER COTTON	12.00	30	360
RED CHILE	40.00	48	1,920
TOTAL	500.00		21,262
ACRE FEET PER ACRE	OF WATER RIGHTS		3.54

\*DOUBLE-CROPPED

TABLE 2. Basic cost information for the Artesia-Lake Arthur area, Actual 2023

	Actual 2023				
ı	ltem				
Labor Wag	e Rate:				
Equipme	nt operators		\$/hour		\$20.00
General	& Irrigators		\$/hour		\$16.60
Purchased	Inputs:				
Fertilizer	:				
	Nitrogen (N)		\$/pound		\$0.83
	Phosphate (P <sub>2</sub> 0 <sub>5</sub> )		\$/pound		\$2.00
Seed:					
	Alfalfa		\$/pound		\$4.50
	Cotton				
	picker		\$/pound		\$8.45
	stripper		\$/pound		\$8.45
	Barley		\$/pound		\$0.38
	Oats		\$/pound		\$0.56
140	Red Chile		\$/pound		\$125.00
Wire:			\$/lb.		\$0.03
Natural g	ias		\$/MCF		\$2.71
	charge)		\$/month		\$10.00
Diesel fu	el		\$/gallon		\$4.33
Gasoline			\$/gallon		\$2.60
Electricity	y		cents/KwHr		\$9.79
LP Gas			\$/gallon		\$2.55
Employee I	Liability Insurance		\$/\$1000 wa	ges	\$0.72
Employee B	Benefits		percent/wag	ges	18.00%
Labor Dow	ntime		percent		25.00%
Financial R	ates:				
Operating	Capital Interest Rate		percent		7.25%
Land Inter	est Rate		percent		9.15%
	t Interest Rate		percent		8.25%
Real Inter	est Rate		percent		4.25%
Land Taxes	3	\$250.00	/acre (full va	alue)	\$1.79
Personal P	roperty Tax Rat - NR		\$/\$1,000	(Assessed	\$21.42
	- R			Value)	\$19.14
Supervision	n Factors				
	p-Irrigation		\$/labor hou	r	\$0.06
	p-Equipment & General		\$/labor hou	r	\$0.03
	le Crop-Irrigation		\$/labor hou		\$0.00
Vegetabl	le Crop-Equip. & General		\$/labor hou	r	\$0.00
Manageme	nt Rate				
Field Cro	pps		percent/GR		7.00%
Vegetabl			percent/TO	E	10.00%

TABLE 3. Overhead cost information for the Artesia-Lake Arthur area, Actual 2023

Electricity (Domestic & Shop)			\$307.20 per month	\$3,68
Telephone			\$224.00 per month	\$2,68
Accounting & Legal				\$3,38
Misc. Supplies & Hand Tools				\$4,32
Pickup and Auto				
miles	25,600	@	\$0.665 per mile	\$17,02
Insurance				
<ul> <li>general liability (non-employee)</li> </ul>				\$1,90
- fire/theft				\$2,87
Property Taxes				
- non-planted land				\$
<ul> <li>other than land &amp; machinery</li> </ul>				\$
Building repairs and maintenance				\$
Dues, fees, publications				\$1,44
Farmstead Equipment				\$43
			Total	\$37,77
		Total Per Pl		\$75.

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area, Actual 2023
Planting dates: September 1 - September 30

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED HERBICIDE PUMP WATER	\$4.50 \$32.40	20 LBS 1 ACRE 8 AC. IN.	\$90.00 \$32.40					\$90.00 \$32.40
SUBTOTAL			\$122.40				-	\$122.40
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW DISC (2X) PLANE (3X) DISC FLOAT (2X) DRILL (2X) IRRIGATE (2X)	145 HP 145 HP 145 HP 145 HP 70 HP 65 HP	0.48 HR 0.34 HR 0.57 HR 0.57 HR 0.17 HR 0.32 HR 0.42 HR 1.00 HR		\$9.60 \$6.80 \$11.40 \$3.40 \$6.40 \$8.40 \$16.60	\$17.14 \$12.14 \$20.36 \$6.07 \$8.44 \$5.31 \$4.83	\$3.89 \$2.29 \$2.32 \$1.15 \$0.29 \$0.97 \$1.45	\$4.95 \$3.18 \$10.08 \$1.59 \$1.41 \$7.17 \$2.32	\$35.59 \$24.42 \$44.16 \$12.21 \$16.54 \$21.85 \$25.20
OVERHEAD EXPENSES  DOWNTIME EMPLOYEE BENEFITS INSURANCE SUPERVISION AND MANAGEMENT		0.46 HR	\$0.05	\$9.10 \$11.27 \$21.28				\$9.10 \$11.27 \$0.05 \$21.28
SUBTOTAL		0.46 HR	\$0.05	\$41.65				\$41.69
TOTAL OPERATING EXPENSES		3.76 HR	\$122.44	\$104.25	\$74.29	\$12.37	\$30.70	\$344.05

Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area, Actual 2023

Harvesting dates: May 5 - November 1 TABLE 7.

Harvesting dates: May	5 - November 1									
ITEM	PRICE		YIELD	)						TOTAL
GROSS RETURNS										
ALFALFA HAY GRAZING	\$311.00 \$40.00		6.10	TONS (S	TACKED)					\$1,897.10 \$40.00
TOTAL										\$1,937.10
PURCHASED INPUTS	PRICE		QUANT	ITY	PURCHASED INPUTS				FIXED COST	TOTAL
INSECTICIDE (CUSTOM) HERBICIDE (CUSTOM) INSECT SCOUTING FERTILIZER (5-26-30) WIRE DRYING AGENT (AGRI-DRY) ESTABLISHMENT: Principal	\$25.02 \$36.36 \$5.25 \$0.21 \$0.03 \$8.26		1 1 200 52 1	X/ACRE ACRE ACRE LBS LBS /TON YEARS	\$50.05 \$36.36 \$5.25 \$42.00 \$1.36 \$50.36				\$68.81	\$50.05 \$36.36 \$5.25 \$42.00 \$1.36 \$50.36 \$68.81
Interest									\$14.27	\$14.27
PUMP WATER*			50	AC. IN.						
SUBTOTAL					\$185.38				\$83.07	\$268.46
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLIS RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (7X)			3.50	HR		\$58.10	\$30.16	\$9.05	\$14.53	\$111.84
SUBTOTAL			3.50	HR		\$58.10	\$30.16	\$9.05	\$14.53	\$111.84
HARVEST OPERATIONS										
SWATHER (5X) RAKE (5X) BALER (5X) BALE WAGON (5X)	16 FT SP 40 HP 96 HP SP		0.55 0.25 1.25 1.00	HR HR		\$11.00 \$5.00 \$25.00 \$20.00	\$8.92 \$2.43 \$32.96 \$20.16	\$0.76 \$0.49 \$1.32 \$16.75	\$11.45 \$2.76 \$3.41 \$7.09	\$32.12 \$10.68 \$62.69 \$64.00
SUBTOTAL			3.05	HR		\$61.00	\$64.46	\$19.32	\$24.72	\$169.50
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			0.70	HR	\$0.09 \$75.55	\$14.00 \$21.44 \$135.89			\$1.79	\$14.00 \$21.44 \$0.09 \$1.79 \$135.89 \$75.55
SUBTOTAL			0.70	HR	\$75.63	\$171.33			\$1.79	\$248.74
TOTAL OPERATING EXPENSES			7.25	HR	\$261.01	\$290.43	\$94.62	\$28.37	\$124.10	\$798.54
NET OPERATING PROFIT										\$1,138.56
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		(	\$109.48	@	7.25%	)				\$7.94 \$22.97
RETURN TO LAND AND RISK										\$1,107.66
* Pump water costs are shown under irrigation	in the preharve		s section. SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES		\$384.01	\$1,937.10 \$1,553.09	(GROS	S MARGIN)					
FIXED EXPENSES NET FARM INCOME		\$124.10	\$1,428.99	•	RN TO CAPITAL,	LABOR, LAN	ID & RISK)			
LABOR AND MANAGEMENT COST NET OPERATING PROFIT CAPITAL COSTS		\$290.43 \$30.91	\$1,138.56		RN TO CAPITAL,		·			
RETURN TO LAND AND RISK		ψου.σ1	\$1,107.66							

TABLE 8. Barley, flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area, Actual 2023
Planting dates: August 20 - September 30
Harvesting dates: June 15 - July 1

Harvesting dates: June 15	July 1									
ITEM	PRICE		YIELD							TOTAL
GROSS RETURNS										
BARLEY DIRECT PAYMENT COUNTER CYCLICAL PAYMENT GRAZING	\$12.69 \$0.00 \$0.00 \$40.00		35.00 35.00							\$444.15 \$0.00 \$0.00 \$40.00
TOTAL										\$484.15
PURCHASED INPUTS	PRICE		QUANTI	TY	PURCHASED INPUTS					TOTAL
SEED NITROGEN (N) INSECTICIDE (CUSTOM) PUMP WATER* CROP INSURANCE SUBTOTAL	\$0.45 \$0.83 \$20.01 \$2.94		150 1	LBS LBS ACRE AC. IN.	\$49.50 \$124.50 \$20.01 \$2.94 \$196.95				-	\$49.50 \$124.50 \$20.01 \$2.94 \$196.95
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLISI RATE	HMENT	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW DISC FLOAT FERTILIZE DRILL	145 HP 145 HP 70 HP DEALER APPLIED 70 HP		0.48 0.17 0.16	HR HR HR		\$9.60 \$3.40 \$3.20 \$4.20	\$17.14 \$6.07 \$4.22 \$5.54	\$3.89 \$1.15 \$0.15	\$4.95 \$1.59 \$0.70 \$3.88	\$35.59 \$12.21 \$8.27 \$14.03
IRRIGATE (4X)		_	2.00			\$33.20	\$16.89	\$5.07	\$8.13	\$63.29
SUBTOTAL			3.02	HR		\$53.60	\$49.86	\$10.67	\$19.27	\$133.40
HARVEST OPERATIONS										
COMBINE (CUSTOM) HAUL (CUSTOM)					\$17.91 \$7.00					\$17.91 \$7.00
SUBTOTAL		=			\$24.91					\$24.91
OVERHEAD EXPENSES  DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			0.22	HR	\$0.04 \$75.55	\$4.30 \$9.65 \$34.03			\$1.79	\$4.30 \$9.65 \$0.04 \$1.79 \$34.03 \$75.55
SUBTOTAL		=	0.22	HR	\$75.58	\$47.98			\$1.79	\$125.35
TOTAL OPERATING EXPENSES		-	3.24	HR	\$297.44	\$101.58	\$49.86	\$10.67	\$21.05	\$480.60
NET OPERATING PROFIT										\$3.55
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTM	ENT	(	\$115.68	@	7.25%	)				\$8.39 \$9.11
RETURN TO LAND AND RISK										(\$13.95)
* Pump water costs are shown under in			on section. SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES FIXED EXPENSES NET FARM INCOME LABOR AND MANAGEMENT COST		\$357.97 \$21.05 \$101.58	\$484.15 \$126.18 \$105.13		SS MARGIN) JRN TO CAPITAL, L	ABOR, LAND	& RISK)			
NET OPERATING PROFIT CAPITAL COSTS RETURN TO LAND AND RISK		\$17.50	\$3.55 (\$13.95)	(RETU	JRN TO CAPITAL, L	AND & RISK)				

TABLE 9. Oat hay, flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area,
Actual 2023
Planting dates: February 1 - February 28
Harvesting dates: June 1 - June 30

\$245.00		3.50							TOTAL
\$245.00		3.50	<b>TOUG</b> (0						
\$245.00		3.50	<b>TONIO</b> (0						
			TONS (S	TACKED)					\$857.50
								-	<b>COE7 FO</b>
									\$857.50
				PURCHASED					
PRICE		QUANT	TITY	INPUTS					TOTAL
\$0.56		100	LBS	\$56.00					\$56.00
\$0.17		150	LBS	\$25.50					\$25.50
		28	AC. IN.						
				\$81.50				-	\$81.50
					LABOR		REPAIRS		TOTAL
OIVII		IVAT		1141 010	LABOR	LODE	ILLI AIILO	0001	TOTAL
					\$9.60				\$35.59 \$24.42
70 HP								\$0.70	\$8.27
				\$0.00					\$0.00
70 HP									\$14.03 \$63.29
		3.19	HR		\$57.00	\$55.94	\$11.81	\$20.85	\$145.61
16 FT					\$2.20	\$1.78	\$0.15	\$2.29	\$6.42
									\$16.96
5. P.		0.20	пк		\$4.00	\$4.03	<b></b> აააა	\$1.42	\$12.80
	•	0.56	HR		\$11.20	\$14.74	\$4.53	\$5.71	\$36.18
		0.40	HR		\$7.95				\$7.95
					\$12.28				\$12.28
				\$0.05				£4.70	\$0.05
					\$60.19			\$1.79	\$1.79 \$60.19
				\$75.55	ψουο				\$75.55
		0.40	HR	\$75.59	\$80.42			\$1.79	\$157.80
		4 15	HR	\$157.09	\$148.62	\$70.68	\$16.35	\$28.35	\$421.09
		0		Ψ101.00	Ų110.0 <u>2</u>	ψ1 0.00	Ų 10.00	Ψ20.00	\$436.41
	(	\$59.29	@	7.25%	)				\$4.30 \$15.17
									\$416.94
in 4h									
in the prena									
		\$857.50							
	\$244.12	***************************************							
		\$613.38	(GROS	S MARGIN)					
	\$28.35	\$585 US	(DET) II	RN TO CADITAL I	AROR I ANI	J & BISK/			
	\$148.62	φυσυ.υσ	(111101	IN TO CAPITAL, I	LADOIX, LAINI	J & INION)			
	040 1=	\$436.41	(RETUI	RN TO CAPITAL, I	_AND & RISK	<b>(</b> )			
	\$19.47	\$416.04							
	POWER UNIT 145 HP 145 HP 70 HP 70 HP 16 FT 126 HP S. P.	\$0.17  POWER UNIT  145 HP 145 HP 70 HP 70 HP  16 FT 126 HP S. P.	\$0.17 150 28  POWER UNIT ACCOMPLIS UNIT RAT  145 HP 0.48 145 HP 0.34 70 HP 0.16  70 HP 0.21 2.00  3.19  16 FT 0.11 126 HP 0.25 S.P. 0.20  0.40  4.15  ( \$59.29  In in the preharvest operation section. BUDGET SUMMARY  \$857.50 \$244.12 \$613.38 \$28.35 \$585.03 \$148.62 \$436.41	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17  150 LBS 28 AC IN.  \$81.50    S81.50    LUBE REPAIRS COST    In the preharvest operation section. BUDGET SUMMARY Budget S12.48   S12.89   S1.79     S82.35   S12.88   S12.80   S12.14   S2.89   S1.90     S82.40  S12.14   S2.29   S3.16   S1.70     S82.30  S4.22   S1.58   S0.41   S3.88     S82.50  S82.32   S4.22   S1.58   S0.70     S82.50  S82.33   S16.89   S5.07   S8.13     S82.50  S82.33   S1.68   S1.03   S2.00     S82.50  S82.33   S1.22     S82.35  S82.35   S12.28     S82.35  S82.33   GRETURN TO CAPITAL, LABOR, LAND & RISK)     S148.62

TABLE 10. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area, 2002.

Planting dates: April 15 - May 15

Harvesting dates: October 15 - January 15

	October 15 - January 15									
ITEM	PRICE		YIEL	.D						TOTAL
GROSS RETURNS  COTTON LINT COTTON SEED PROGRAM PAYMENT	\$0.930 \$0.075 \$0.000		1,328 2,125 1,328	LBS LBS						\$1,235.04 \$159.36 \$0.00
PLC PAYMENT	\$0.367		1,328	LBS						\$487.38
TOTAL										\$1,881.78
PURCHASED INPUTS	PRICE		QUAN <sup>*</sup>	TITY	PURCHASED INPUTS					TOTA
SEED FOLIAR FERTILIZER INSECT SCOUTING HERBICIDE (CUSTOM) INSECTICIDE (CUSTOM) CROP INSURANCE PUMP WATER*	\$8.45 \$4.80 \$5.25 \$80.91 \$31.56		1 1 1 3	LBS X/ACRE ACRE X/ACRE X/ACRE FCIC AC. IN.	\$126.75 \$4.80 \$5.25 \$80.91 \$31.56 \$0.53					\$126.75 \$4.80 \$5.25 \$80.91 \$31.56 \$0.53
SUBTOTAL					\$249.80					\$249.80
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI:		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAI
DISC PLOW DISC (2X) FLOAT LISTER PRE-IRRIGATE CULTIVATOR PLANTER SLED CULTIVATOR (3X) HAND HOE (CUSTOM) IRRIGATE (3X)	145 HP 145 HP 145 HP 145 HP 145 HP 65 HP 70 HP 65 HP		0.17 0.48 0.34 0.16 0.18 0.75 0.21 0.26 0.15 0.63	HR HR HR HR HR HR HR HR HR	\$20.00	\$3.40 \$9.60 \$6.80 \$3.20 \$3.60 \$12.45 \$4.20 \$5.20 \$3.00 \$12.60	\$6.07 \$17.14 \$12.14 \$5.71 \$6.43 \$4.52 \$2.65 \$6.86 \$3.96 \$7.96	\$1.15 \$3.89 \$2.29 \$0.64 \$1.07 \$1.36 \$0.47 \$0.66 \$0.18 \$1.42	\$1.59 \$4.95 \$3.18 \$1.32 \$2.36 \$2.18 \$1.14 \$4.28 \$0.79 \$3.42	\$12.21 \$35.59 \$24.42 \$10.87 \$13.46 \$20.51 \$8.47 \$16.99 \$7.92 \$25.40 \$20.00 \$49.08
SUBTOTAL			4.83	HR	\$20.00	\$88.95	\$87.03	\$17.20	\$31.74	\$244.92
HARVEST OPERATIONS										
COTTON PICKER (2X) HAUL (2X) GIN COTTON (CUSTOM)	2-ROW 65 HP		0.74 1.00		\$197.87	\$14.80 \$20.00	\$19.38 \$12.64	\$11.56 \$1.28	\$144.32 \$5.27	\$190.05 \$39.19 \$197.87
SUBTOTAL			1.74	HR	\$197.87	\$34.80	\$32.02	\$12.83	\$149.59	\$427.12
POSTHARVEST OPERATIONS										
SHREDDER	70 HP		0.14	HR		\$2.80	\$3.69	\$0.18	\$2.16	\$8.84
SUBTOTAL			0.14	HR		\$2.80	\$3.69	\$0.18	\$2.16	\$8.84
OVERHEAD EXPENSES  DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEM OTHER EXPENSES	IENT		0.95	HR	\$0.09 \$75.55	\$18.95 \$22.78 \$131.97			\$1.79	\$18.95 \$22.78 \$0.09 \$1.79 \$131.97 \$75.55
SUBTOTAL			0.95	HR	\$75.64	\$173.70			\$1.79	\$251.12
TOTAL OPERATING EXPENSES			7.66	HR	\$543.31	\$300.25	\$122.74	\$30.21	\$185.28	\$1,181.79
NET OPERATING PROFIT										\$699.98
INTEREST ON OPERATING CA INTEREST ON EQUIPMENT INV		(	\$155.66	@	7.25%	)				\$11.29 \$108.17
RETURN TO LAND AND RISK										\$580.52
* Pump water costs are shown u	nder irrigation in the prel		ration section. SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENS RETURN OVER VARIABLE EXPEI FIXED EXPENSES NET FARM INCOME		\$696.26 \$185.28	\$1,881.78 \$1,185.51 \$1,000.23		S MARGIN) RN TO CAPITAL, LAE	3OR, LAND &	RISK)			
LABOR AND MANAGEMENT CO NET OPERATING PROFIT CAPITAL COSTS RETURN TO LAND AND RISK	ST	\$300.25 \$119.46	\$699.98 \$580.52	•	RN TO CAPITAL, LAN		•			

TABLE 11. Upland cotton (stripper), flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area, Actual 2023

Harvesting dates: Or	ctober 15 - January 15									
ITEM	PRICE		YIEL	D						TOTA
GROSS RETURNS										
COTTON LINT	\$0.930		1,228	LBS						\$1,142.0
COTTON SEED	\$0.075		1,965							\$147.3
PROGRAM PAYMENT PLC PAYMENT	\$0.000 \$0.367		1,228 1,228							\$0.0 \$450.6
	******		-,							
TOTAL										\$1,740.0
					PURCHASED					
PURCHASED INPUTS	PRICE		QUAN	ΓΙΤΥ	INPUTS					TOTA
SEED	\$8.45		20	LBS	\$169.00					\$169.0
FOLIAR FERTILIZER	\$4.80			X/ACRE						\$4.8
INSECT SCOUTING HERBICIDE (CUSTOM)	\$5.25 \$45.34			ACRE X/ACRE	\$5.25 \$45.34					\$5.2 \$45.3
INSECTICIDE (CUSTOM)	\$33.18			X/ACRE	\$33.18					\$33.1
CROP INSURANCE PUMP WATER*			30	FCIC AC. IN.	\$0.74					\$0.7
CROP INSURANCE	\$0.00		00	710	\$0.00					\$0.0
SUBTOTAL					\$258.30					\$258.3
REHARVEST OPERATIONS	POWER UNIT		ACCOMPLI:		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTA
DISC	145 HP		0.17			\$3.40	\$6.07	\$1.15	\$1.59	\$12.2
PLOW	145 HP		0.48			\$9.60	\$17.14	\$3.89	\$4.95	\$35.5
DISC (2X) FLOAT	145 HP 145 HP		0.34 0.16			\$6.80 \$3.20	\$12.14 \$5.71	\$2.29 \$0.64	\$3.18 \$1.32	\$24.4 \$10.8
LIST	145 HP		0.18	HR		\$3.60	\$6.43	\$1.07	\$2.36	\$13.4
PRE-IRRIGATE CULTIVATOR	65 HP		0.75 0.21			\$12.45 \$4.20	\$4.52 \$2.65	\$1.36 \$0.47	\$2.18 \$1.14	\$20.5 \$8.4
PLANTER	70 HP		0.21			\$4.20 \$5.20	\$6.86	\$0.47	\$4.28	\$6.4 \$16.9
SLED	70 HP		0.15			\$3.00	\$3.96	\$0.18	\$0.79	\$7.9
CULTIVATOR (3X) HAND HOE (CUSTOM)	65 HP		0.63	HR	\$20.00	\$12.60	\$7.96	\$1.42	\$3.42	\$25.4 \$20.0
IRRIGATE (3X)			1.50	HR	+=0.00	\$24.90	\$13.57	\$4.07	\$6.54	\$49.0
SUBTOTAL			4.83	HR	\$20.00	\$88.95	\$87.03	\$17.20	\$31.74	\$244.9
HARVEST OPERATIONS										
COTTON STRIPPER	70 HP		0.62			\$12.40	\$16.35	\$3.46	\$62.35	\$94.5
HAUL GIN COTTON (CUSTOM)	65 HP		0.75	HR	\$236.64	\$15.00	\$9.48	\$0.96	\$3.95	\$29.3 \$236.6
SUBTOTAL			1.37	HR	\$236.64	\$27.40	\$25.83	\$4.42	\$66.30	\$360.5
OSTHARVEST OPERATIONS										
SHREDDER	70 HP		0.14	HR		\$0.56	\$3.69	\$0.18	\$2.16	\$6.6
SUBTOTAL			0.14			\$0.56	\$3.69	\$0.18	\$2.16	\$6.6
			0.14			ψ0.00	ψ0.00	ψ0.10	Ψ2.10	ψ0.0
VERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS			0.89	HR		\$17.85 \$21.04				\$17.8 \$21.0
INSURANCE					\$0.08	Ψ21.04				\$0.0
LAND TAXES SUPERVISION AND MANAGEME	NIT					\$121.99			\$1.79	\$1.7 \$121.9
OTHER EXPENSES	IN I				\$75.55	φ121.99				\$75.5
SUBTOTAL			0.89	HR	\$75.63	\$160.89			\$1.79	\$238.3
OTAL OPERATING EXPENSES			7.23	HR	\$590.56	\$277.80	\$116.55	\$21.80	\$101.99	\$1,108.7
IET OPERATING PROFIT										\$631.3
INTEREST ON OPERATING CAPI		(	\$158.70	@	7.25%	)				\$11.5 \$60.3
RETURN TO LAND AND RISK										\$559.5
* Pump water costs are shown und	der irrigation in the prel									-
		BUDGET	SUMMARY							
ROSS RETURN VARIABLE OPERATING EXPENSE	S	\$728.91	\$1,740.08							
ETURN OVER VARIABLE EXPENS			\$1,011.16	(GROS	SS MARGIN)					
FIXED EXPENSES IET FARM INCOME		\$101.99	¢000 17	(PETI)	DN TO CADITAL	IAROD IAN	ID & DICK			
ET FARM INCOME LABOR AND MANAGEMENT COST	г	\$277.80	\$909.17	(KE1U	RN TO CAPITAL,	LADUK, LAN	ייי ע עוטע)			
			6004.07	/DETI I	DNI TO CADITAL	I AND & PIS	K)			
IET OPERATING PROFIT CAPITAL COSTS		\$71.86	\$631.37	(INE TO	RN TO CAPITAL,	LAND & INO	( )			

TABLE 12. Red chile, flood-irrigated, budgeted per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area,

ITEM	tember 1 - October 30 PRICE	~	TELD						TOTA
GROSS RETURNS	FNICE	<u>'</u>	ILLU						1012
RED CHILE	\$1.00	3,200	LBS						\$3,200.00
TOTAL									\$3,200.00
PURCHASED INPUTS	PRICE	QU	ANTITY	PURCHASED INPUTS					TOTA
SEED NITROGEN (N) PHOSPHATE (P205) HERBICIDE (CUSTOM) INSECTICIDE (CUSTOM) CROP INSURANCE NOVA CHEMICAL APPLICATION PUMP WATER*	\$125.00 \$0.83 \$2.00 \$34.59 \$40.88	120   70   1   3   400   0		\$1,000.00 \$99.60 \$140.00 \$34.59 \$40.88 \$20.00 \$0.00					\$1,000.00 \$99.60 \$140.00 \$34.50 \$40.80 \$20.00 \$0.00
SUBTOTAL				\$1,335.07					\$1,335.07
PREHARVEST OPERATIONS	POWER UNIT		PLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTA
PLOW	145 HP	0.48			\$9.60	\$17.14	\$3.89	\$4.95	\$35.59
DISC (2X) PLANE FERTILIZE	145 HP 145 HP DEALER APPLIED	0.34 0.16			\$6.80 \$3.20	\$12.14 \$5.71	\$2.29 \$0.65	\$3.18 \$2.83	\$24.42 \$12.40
LIST PRE-IRRIGATE CULTIVATOR PLANTER CULTIVATOR (5X)	145 HP 65 HP 70 HP 65 HP	0.18   0.75   0.21   0.26   1.05	HR HR HR	445.00	\$3.60 \$12.45 \$4.20 \$5.20 \$21.00	\$6.43 \$3.62 \$2.65 \$6.86 \$13.27	\$1.07 \$1.09 \$0.47 \$0.66 \$2.36	\$2.36 \$1.74 \$1.14 \$4.28 \$5.70	\$13.46 \$18.90 \$8.47 \$16.99 \$42.33
THIN (CUSTOM) IRRIGATE (7X) HAND HOE (CUSTOM)		3.50	HR	\$45.00 \$20.00	\$58.10	\$25.34	\$7.60	\$12.20	\$45.00 \$103.24 \$20.00
CHEMICAL APPLICATION (CUSTON SUBTOTAL	1)	6.93	HR	\$0.00 \$65.00	\$124.15	\$93.17	\$20.09	\$38.38	\$0.00 \$340.79
HARVEST OPERATIONS									
HAND PICK (CUSTOM) FIELD HAUL HAUL (CUSTOM)	145 HP	0.90	HR	\$640.00 \$96.00	\$18.00	\$32.15	\$3.59	\$8.14	\$640.00 \$61.88 \$96.00
SUBTOTAL		0.90	HR	\$736.00	\$18.00	\$32.15	\$3.59	\$8.14	\$797.88
POSTHARVEST OPERATIONS									
SHREDDER	70 HP	0.14	HR		\$2.80	\$3.69	\$0.18	\$2.16	\$8.84
SUBTOTAL		0.14	HR		\$2.80	\$3.69	\$0.18	\$2.16	\$8.84
OVERHEAD EXPENSES									
DOWNTIME EMPLOYEE BENEFITS INSURANCE		0.93	HR	\$0.10	\$18.60 \$26.09				\$18.60 \$26.09 \$0.10
LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES				\$75.55	\$224.36			\$1.79	\$1.79 \$224.36 \$75.55
SUBTOTAL		0.93	HR	\$75.65	\$269.05			\$1.79	\$346.48
OTAL OPERATING EXPENSES		8.90	HR	\$2,211.72	\$414.00	\$129.01	\$23.86	\$50.47	\$2,829.06
NET OPERATING PROFIT									\$370.94
INTEREST ON OPERATING CAPITA INTEREST ON EQUIPMENT INVEST		\$699.80	@	7.25%	)				\$50.74 \$27.90
RETURN TO LAND AND RISK									\$292.3
* Pump water costs are shown under i									,
	BUDGE	T SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES		\$3,200.00 \$835.41	(GROSS MARG	IN)					
FIXED EXPENSES NET FARM INCOME LABOR AND MANAGEMENT COST	\$50.47 \$414.00	\$784.93	(RETURN TO CA	APITAL, LABOR, L	AND & RISK	()			
NET OPERATING PROFIT	÷ · · · · · · · ·	\$370.94	(DETUDNITO C	APITAL, LAND & F	NGK)				

TABLE 13. Summary of per acre costs and returns for a 500 acre farm with above average management, Artesia-Lake Arthur area, Actual 2023

Actual 2023	ALFALFA ESTABLISHMENT	ALFALFA HAY	BARLEY	OAT HAY	PICKER COTTON	STRIPPER COTTON	RED CHILE
		TONS	CWT	TONS	LBS	LBS	LBS
PRIMARY YIELD PRIMARY PRICE		6.10 \$311.00	35.00 \$12.69	3.50 \$245.00	1328.00 \$0.93	1228.00 \$0.93	3200.00 \$1.00
GOVERNMENT PAYMENTS SECOND INCOME		\$0.00 \$40.00	\$0.00 \$40.00	\$0.00 \$0.00	\$487.38 \$159.36	\$450.68 \$147.36	\$0.00 \$0.00
GROSS RETURN		\$1,937.10	\$484.15	\$857.50	\$1,881.78	\$1,740.08	\$3,200.00
CASH OPERATING EXPENSES							
SEED FERTILIZER	\$90.00	\$42.00	\$49.50 \$124.50	\$56.00 \$25.50	\$126.75 \$4.80	\$169.00 \$4.80	\$1,000.00 \$239.60
CHEMICALS	\$32.40	\$86.41	\$20.01	Ψ20.00	\$117.72	\$83.76	\$75.47
CROP INSURANCE OTHER PURCHASED INPUTS		\$56.97	\$2.94		\$0.53	\$0.74	\$20.00
CANAL WATER		•					
FUEL, OIL & LUBRICANTS-EQUIPMENT FUEL-IRRIGATION	\$69.47 \$4.83	\$64.46 \$30.16	\$32.97 \$16.89	\$53.79 \$16.89	\$104.65 \$18.10	\$98.46 \$18.10	\$100.06 \$28.95
REPAIRS	\$4.03 \$12.37	\$28.37	\$10.69	\$16.35	\$30.21	\$21.80	\$23.86
CUSTOM CHARGES	<del>,</del>	¥=====	\$24.91	*	\$217.87	\$256.64	\$801.00
LAND TAXES		\$1.79	\$1.79	\$1.79	\$1.79	\$1.79	\$1.79
OTHER EXPENSES	\$0.05	\$75.63	\$75.58	\$75.59	\$75.64	\$75.63	\$75.65
TOTAL CASH EXPENSES	\$209.10	\$385.79	\$359.76	\$245.90	\$698.05	\$730.70	\$2,366.38
RETURN OVER CASH EXPENSES	(\$209.10)	\$1,551.31	\$124.39	\$611.60	\$1,183.73	\$1,009.38	\$833.62
FIXED EXPENSES	\$30.70	\$122.32	\$19.27	\$26.56	\$183.50	\$100.21	\$48.69
TOTAL EXPENSES	\$239.80	\$508.11	\$379.02	\$272.47	\$881.55	\$830.91	\$2,415.07
NET FARM INCOME	(\$239.80)	\$1,428.99	\$105.13	\$585.03	\$1,000.23	\$909.17	\$784.93
LABOR AND MANAGEMENT COSTS	\$104.25	\$290.43	\$101.58	\$148.62	\$300.25	\$277.80	\$414.00
NET OPERATING PROFIT	(\$344.05)	\$1,138.56	\$3.55	\$436.41	\$699.98	\$631.37	\$370.94
CAPITAL COSTS INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		\$7.94 \$22.97	\$8.39 \$9.11	\$4.30 \$15.17	\$11.29 \$108.17	\$11.51 \$60.35	\$50.74 \$27.90
TOTAL CAPITAL COSTS	\$0.00	\$30.91	\$17.50	\$19.47	\$119.46	\$71.86	\$78.64
RETURN TO LAND AND RISK	(\$344.05)	\$1,107.66	(\$13.95)	\$416.94	\$580.52	\$559.51	\$292.30

TABLE 14. Whole farm summary, Artesia-Lake Arthur area, Actual 2023

Actual 2023						
GROSS RETURNS						
ALFALFA HAY	260	ACRES				
CROP	200	7.0.120	\$503,6	46		
BARLEY	17	ACRES				
CROP			\$8,2	31		
PROGRAM PAYMENT				\$0		
PLC PAYMENT	00	40050		\$0		
OAT HAY CROP	20	ACRES	\$17,1	50		
PICKER COTTON	95	ACRES	Ψ17,1	30		
COTTON LINT	00	TOTLE	\$117,3	29		
COTTON SEED			\$15,1			
PROGRAM PAYMENT				\$0		
PLC PAYMENT			\$46,3	01		
STRIPPER COTTON	68	ACRES				
COTTON LINT			\$77,6			
COTTON SEED			\$10,0			
PROGRAM PAYMENT				\$0 40		
PLC PAYMENT RED CHILE	40	ACRES	\$30,6	46		
CROP	40	ACRES	¢128.0	00		
CROP			\$128,0	00		
GROSS RETURN				- (	\$954,120	
CASH OPERATING EXPENS	SES					
SEED			\$70,1			
FERTILIZER			\$23,9			
CHEMICALS			\$44,3			
CROP INSURANCE	DUTO		\$9			
OTHER PURCHASED IN	PU13		\$14,8	\$0		
FUEL, OIL & LUBRICANT	S-EQUIPMENT		\$42,6			
FUEL-IRRIGATION			\$12,8			
REPAIRS			\$13,8			
CUSTOM CHARGES			\$70,6	13		
LAND TAXES			\$8	93		
OTHER EXPENSES			\$37,8	18		
TOTAL CASH E	EYDENISES				\$332,871	
				`	p332,07 1	****
RETURN OVER CASH EXPI	ENSES					\$621,250
FIXED EXPENSES			\$42,5	61		
TOTAL EXPEN	ISES			9	\$375,432	
NET FARM INCOME						\$578,688
LABOR AND MANAGEMEN	T COSTS		\$149.6	05		
NET OPERATING PROFIT						\$429,084
NET OF ENVIRONMENT						Ψ+20,00+
CAPITAL COSTS						
INTEREST ON OPERATI			\$6,1			
INTEREST ON EQUIPME	NT INVESTMENT		\$21,9	27		
TOTAL CAPITA	AL COSTS				\$28,103	
RETURN TO LAND AND RIS	SK					\$400,981
					_	

LAND VALUE	RETURN	RETURN ON	
	TO RISK*	INVESTMENT**	
\$1,000 /ACRE	\$379,731	62.09%	
\$2,500 /ACRE	\$347,856	29.77%	
\$4,000 /ACRE	\$315,981	19.58%	
\$5,500 /ACRE	\$284,106	14.59%	

 $<sup>^{\</sup>star}$  RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)  $^{\star\star}$  NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)