DRY CIMARRON AREA, UNION COUNTY 80 ACRES FLOOD 2

			WATER	USE	
ACREAGE SUMMARY:		LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.	
ALFALFA ESTABLISHME ALFALFA NATIVE GRASS	NT	4 40 40	4.5 24 18	18 960 720	
	TOTAL	84		1,698	
	ACRE FEET PER ACRE OF WATER RIGHTS				

TABLE 2. Basic cost information for Dry Cimarron area, Union County, Actual 2024

Actual 2024				
Item				
Labor Wage Rate:				
Equipment operators		\$/hour		\$20.00
General & Irrigators		\$/hour		\$16.77
Purchased Inputs: Seed:				
Alfalfa		\$/pound		\$4.12
, titalia		ф/рошна		Ψ4.12
Natural gas		\$/TCF		\$4.05
Diesel fuel		\$/gallon		\$3.46
Gasoline		\$/gallon		\$2.98
Electricity		cents/KwHr		12.08
LP Gas		\$/gallon		\$2.45
Baling Wire		\$/pound		\$1.32
Employee Liability Insurance		\$/\$1,000 wa	iges	\$20.00
Employee Benefits		percent/wag	jes	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	\$27.00	/acre (full va	alue)	\$0.20
Personal Property Tax Rate	-NR	\$/\$1,000	(Assessed	\$22.57
	- R		Value)	\$18.57
Supervision Factors				
Field Crop-Irrigation		\$/labor hour		\$1.00
Field Crop-Equipment & General		\$/labor hour		\$0.50
Management Rate		percent		7.00%

TABLE 3. Overhead cost information for the Dry Cimarron area, Actual 2024

Item					
Electricity (Domestic &	Shop)		\$128.00	per month	\$1,536
Telephone			\$102.40	per month	\$1,229
Accounting & Legal					\$576
Misc. Supplies & Hand	Tools				\$947
Pickup and Auto					
miles	13,184	@	\$0.670 per mile		\$8,833
Insurance					
- general liability (non-	employee)				\$1,229
- fire/theft					\$800
Property Taxes					
 other than land & ma 	chinery				\$6,010
Building repairs and ma	intenance				\$608
Dues, fees, publications	S				\$307
Farmstead Equipment					\$96
				Total	\$22,171
			Total per planted acre		\$277.14

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County,

Planting dates: August 15 - September 15 PURCHASED TOTAL ITEM QUANTITY PRICE INPUTS PURCHASED INPUTS SEED \$4.12 18 LBS \$74.16 \$74.16 CANAL WATER 5 AC. IN. SUBTOTAL \$74.16 \$74.16 ACCOMPLISHMENT PURCHASED RATE INPUTS POWER FUEL & FIXED PREHARVEST OPERATIONS LABOR REPAIRS TOTAL UNIT LUBE COST 0.20 HR 0.17 HR 0.25 HR \$0.20 \$0.17 \$0.25 \$0.56 \$0.48 \$0.70 CHISEL 40 HP \$4.00 \$2.59 \$7.35 DISC DRILL 40 HP 40 HP \$3.40 \$5.00 \$2.20 \$3.24 \$6.25 \$9.19 DITCH MAINTENANCE IRRIGATE (1X) 0.50 HR \$10.00 \$10.00 0.75 HR \$12.58 \$12.58 SUBTOTAL 1.87 HR \$34.98 \$8.02 \$0.63 \$1.75 \$45.37 OVERHEAD EXPENSES DOWNTIME 0.16 HR \$3.10 \$3.10 \$6.30 \$0.70 \$9.43 EMPLOYEE BENEFITS INSURANCE \$6.30 \$0.70 SUPERVISION AND MANAGEMENT \$9.43 0.16 HR \$0.70 \$19.52 SUBTOTAL \$18.82 \$139.06 TOTAL OPERATING EXPENSES 2.03 HR \$74.86 \$53.80 \$8.02 \$0.63 \$1.75

TABLE 7. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County, Actual 2024

ITEM	PRICE		YIEL	_D						TOTAL
GROSS RETURNS ALFALF FA HAY GRAZING	\$252.00 \$20.00			TONS (S	STACKED)					\$1,562.40 \$20.00
TOTAL										\$1,582.40
PURCHASED INPUTS	PRICE		QUAN	TITY	PURCHASED INPUTS				FIXED COST	TOTAL
LIVESTOCK FAC & EQUIP ESTABLISHMENT: Principal : Interest BALING WIRE CANAL WATER PUMP WATER*	\$1.32		53.13 16.00	YEARS LBS AC. IN. AC. IN.	\$70.14 \$5.00				\$4.00 \$13.91 \$7.90	\$4.00 \$13.91 \$7.90 \$70.14 \$5.00
SUBTOTAL					\$75.14				\$25.81	\$100.94
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DITCH MAINTENANCE IRRIGATE (8X)			0.50 4.00			\$10.00 \$67.08	\$10.04	\$0.00	\$14.38	\$10.00 \$91.50
SUBTOTAL			4.50	HR		\$77.08	\$10.04	\$0.00	\$14.38	\$101.50
HARVEST OPERATIONS										
MOWER (3X) RAKE (3X) BALER (3X) HAUL (3X)	40 HP 40 HP 40 HP 1 TON TRUCK		1.11 0.36 0.63 4.50	HR HR		\$22.20 \$7.20 \$12.60 \$90.00	\$14.36 \$4.66 \$8.15 \$98.91	\$1.53 \$0.52 \$0.74 \$37.46	\$5.22 \$3.51 \$7.98 \$49.07	\$43.31 \$15.89 \$29.47 \$275.44
SUBTOTAL			6.60	HR		\$132.00	\$126.08	\$40.24	\$65.79	\$364.12
OVERHEAD EXPENSES DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			1.65	HR	\$4.18 \$277.14	\$33.00 \$37.63 \$118.07			\$0.20	\$33.00 \$37.63 \$4.18 \$0.20 \$118.07 \$277.14
SUBTOTAL			1.65	HR	\$281.32	\$188.70			\$0.20	\$470.23
TOTAL OPERATING EXPENSES			12.75	HR	\$356.46	\$397.78	\$136.13	\$40.24	\$106.18	\$1,036.79
NET OPERATING PROFIT										\$545.61
INTEREST ON OPERATING CAPITA INTEREST ON EQUIPMENT INVEST			\$53.94	@	9.25%)				\$4.99 \$2.63
RETURN TO LAND AND RISK										\$538.00
* Pump water costs are shown under	irrigation in the preh		ations section	1.						
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES FIXED EXPENSES	3	\$532.83 \$106.18	\$1,582.40 \$1,049.57	(GROS	SS MARGIN)					

GROSS RETURN		\$1,582.40	
VARIABLE OPERATING EXPENSES	\$532.83		
RETURN OVER VARIABLE EXPENSES		\$1,049.57	(GROSS MARGIN)
FIXED EXPENSES	\$106.18		
NET FARM INCOME		\$943.39	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$397.78		
NET OPERATING PROFIT		\$545.61	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$7.62		
RETURN TO LAND AND RISK		\$538.00	

TABLE 8. Native grass hay, flood-irrigated, budgeted per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County,

Harvesting dates: July 20 - September 15 ITEM PRICE YIELD TOTAL GROSS RETURNS 1.50 TONS (STACKED) HAY \$187.00 \$280.50 GRAZING \$20.00 1.00 ACRE \$20.00 TOTAL \$300.50 PURCHASED FIXED TOTAL PRICE QUANTITY INPUTS PURCHASED INPUTS COST LIVESTOCK FAC & EQUIP \$4.00 \$4.00 BALING WIRE 13 LBS \$1.32 \$16.97 \$16.97 CANAL WATER PUMP WATER* 12 AC. IN. 6 AC. IN. \$5.00 \$5.00 \$25.97 SUBTOTAL \$21.97 \$4.00 POWER ACCOMPLISHMENT PURCHASED FUEL & FIXED PREHARVEST OPERATIONS RATE LABOR LUBE **REPAIRS** TOTAL DITCH MAINTENANCE 0.50 HR \$10.00 \$10.00 IRRIGATE (5X) 2.50 HR \$50.00 \$7.53 \$0.00 \$10.78 \$68.32 SUBTOTAL 3.00 HR \$60.00 \$7.53 \$0.00 \$10.78 \$78.32 HARVEST OPERATIONS 0.74 HR 0.24 HR \$3.48 \$2.34 MOWER (2X) 40 HP \$14.80 \$9.58 \$1.02 \$28.88 40 HP RAKE (2X) BALER, 1-TON (2X) \$4.80 \$3.11 \$0.35 \$10.60 40 HP 0.42 HR \$8.40 \$5.43 \$0.49 \$5.32 \$19.65 TRUCK \$13.32 HAUL (2X) 160 HR \$32.00 \$35.17 \$17.45 \$97.93 SUBTOTAL 3.00 HR \$0.00 \$60.00 \$53.28 \$15.18 \$28.59 \$157.05 OVERHEAD EXPENSES DOWNTIME 0.75 HR \$15.00 \$15.00 EMPLOYEE BENEFITS \$21.60 \$21.60 INSURANCE LAND TAXES \$2.40 \$0.20 \$2.40 \$0.20 SUPERVISION AND MANAGEMENT OTHER EXPENSES \$22.54 \$22.54 \$277 14 \$277.14 SUBTOTAL 0.75 HR \$279.54 \$59.14 \$0.20 \$338.88 TOTAL OPERATING EXPENSES 3.75 HR \$301.51 \$179.14 \$60.82 \$15.18 \$43.58 \$600.22 NET OPERATING PROFIT (\$299.72) INTEREST ON OPERATING CAPITAL \$18.57 9.25% \$1.72 @) INTEREST ON EQUIPMENT INVESTMENT \$26.12 RETURN TO LAND AND RISK (\$327.55)

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

GROSS RETURN		\$300.50	
VARIABLE OPERATING EXPENSES	\$377.50		
RETURN OVER VARIABLE EXPENSES		(\$77.00)	(GROSS MARGIN)
FIXED EXPENSES	\$43.58		
NET FARM INCOME		(\$120.58)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$179.14		
NET OPERATING PROFIT		(\$299.72)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$27.83		
RETURN TO LAND AND RISK		(\$327.55)	

TABLE 9. Summary of per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County, Actual 2024

ACtual 2024	ALFALFA ESTABLISHMENT	ALFALFA HAY	NATIVE GRASS HAY
		TONS	TONS
PRIMARY YIELD		6.20	1.50
PRIMARY PRICE		\$252.00	\$187.00
GOVERNMENT PAYMENTS		\$0.00	\$0.00
SECOND INCOME		\$20.00	\$20.00
GROSS RETURN		\$1,582.40	\$300.50
CASH OPERATING EXPENSES			
SEED	\$74.16		
FERTILIZER			
CHEMICALS CROP INSURANCE			
OTHER PURCHASED INPUTS		\$70.14	\$16.97
CANAL WATER		\$5.00	\$5.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$8.02	\$126.08	\$53.28
FUEL-IRRIGATION	• • •	\$10.04	\$7.53
REPAIRS	\$0.63	\$40.24	\$15.18
CUSTOM CHARGES			
LAND TAXES		\$0.20	\$0.20
OTHER EXPENSES	\$0.70	\$281.32	\$279.54
TOTAL CASH EXPENSES	\$83.51	\$533.03	\$377.71
RETURN OVER CASH EXPENSES	(\$83.51)	\$1,049.37	(\$77.21)
FIXED EXPENSES	\$1.75	\$105.97	\$43.38
TOTAL EXPENSES	\$85.26	\$639.01	\$421.08
NET FARM INCOME	(\$85.26)	\$943.39	(\$120.58)
LABOR AND MANAGEMENT COSTS	\$53.80	\$397.78	\$179.14
NET OPERATING PROFIT	(\$139.06)	\$545.61	(\$299.72)
CAPITAL COSTS			
INTEREST ON OPERATING CAPITAL		\$4.99	\$1.72
INTEREST ON EQUIPMENT INVESTMENT		\$2.63	\$26.12
TOTAL CAPITAL COSTS	\$0.00	\$7.62	\$27.83
RETURN TO LAND AND RISK	(\$139.06)	\$538.00	(\$327.55)

TABLE 10. Whole farm summary, Union County, Actual 2024

Actual 2024				
CDOCC DETUDNO				
GROSS RETURNS	40. ACDES			
ALFALFA HAY	40 ACRES	#60.406		
CROP		\$62,496		
GRAZING	40 40050	\$800		
NATIVE GRASS HAY	40 ACRES	0.1.1.000		
CROP		\$11,220		
GRAZING		\$800		
GROSS RETURN			_	\$75,316
CASH OPERATING EXPEN	SES			
SEED		\$297		
FERTILIZER		\$0		
CHEMICALS		\$0		
CROP INSURANCE		\$0		
OTHER PURCHASED IN	PUTS	\$3,484		
CANAL WATER		\$400		
FUEL, OIL & LUBRICAN	rs-equipment	\$7,207		
FUEL-IRRIGATION		\$703		
REPAIRS		\$2,219		
CUSTOM CHARGES		\$0		
LAND TAXES		\$16		
OTHER EXPENSES		\$22,437		
TOTAL CASH E	EXPENSES	_	\$36,764	
RETURN OVER CASH EXP	ENSES			\$38,552
FIXED EXPENSES		\$5,425		
TOTAL EXPEN	SES		\$42,188	
			, ,	
NET FARM INCOME				\$33,128
LABOR AND MANAGEMEN	T COSTS	\$23,292		
NET OPERATING PROFIT				\$9,836
CAPITAL COSTS				
INTEREST ON OPERAT	ING CAPITAI	\$268		
INTEREST ON EQUIPME		\$1,150		
TOTAL CAPITA	L COSTS	-	\$1,418	
RETURN TO LAND AND RI	SK			\$8,418
			_	+5,115

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$200 /ACRE \$350 /ACRE	\$8,127 \$7.909	18.56% 15.13%
\$500 /ACRE	\$7,691	12.77%

^{*} 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)