

TABLE 1. Basic cost information for De Baca, 2003.

Item			
Labor Wage Rate:	Equipment Operators		\$6.75
	General and Irrigators		\$6.45
Purchased Inputs:			
Fertilizer:			
	Nitrogen (N)	\$/pound	\$0.36
	Phosphate (P205)	\$/pound	\$0.33
	Baling wire	\$/pound	\$0.39
	Canal water	\$/acre	\$42.50
Energy:			
	Butane	\$/MCF	\$1.21
	Diesel fuel	\$/gallon	\$1.30
	Gasoline	\$/gallon	\$1.35
	Electricity	cents/KwHr	9.55
	Natural Gas	\$/MCF	\$3.28
	Employee Liability Insurance	\$/1,000 wages	\$12.00
	Employee Benefits	percent/w ages	12.00%
	Labor Downtime	percent	25.00%
Financial Rates:			
	Operating Capital Interest Rate	percent	8.00%
	Land Interest Rate	percent	7.00%
	Equipment Interest Rate	percent	8.00%
	Real Interest Rate	percent	4.00%
	Land Taxes	\$75.00 /acre (full value)	\$0.60
	Personal Property Tax Rate - NR	\$/1,000 (Assessed Value)	\$24.18
	- R		\$24.06
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%

BUDGET AREA..... DE BACA , 2003.
 FARM SIZE..... 30 ACRES
 IRRIGATION TYPE... FLOOD
 NUMBER OF CROPS... 3

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	3.0 *	12	36
ALFALFA	10.0	48	480
PASTURE ESTABLISHMENT	1.0 *	18	18
PERMANENT PASTURE	20.0	24	480
OAT HAY	0.0	0	0
GRASS HAY ESTABLISHMENT	0.0 *	1.31	0
GRASS HAY	0.0	30	0
CORN SILAGE	0.0	0	0
WHEAT	0.0	24	0
ARP	0.0		
FLEX IN SUDAN HAY	0.0	30	0
BARLEY	0.0	24	0
ARP	0.0		
FLEX IN SUDAN HAY	0.0	30	0
CORN	0.0	48	0
ARP	0.0		
FLEX IN SUDAN HAY	0.0	30	0
GREEN CHILE	0.0	0	0
ROADS & DITCHES	0.0		
TOTAL	30.0		1,014
ACRE FEET PER ACRE OF WATER RIGHTS			2.82

* DOUBLE-CROPPED

TABLE 1a. Overhead cost information for De Baca, 2002.

ITEM		CROP ENTERPRISE	LIVESTOCK ENTERPRISE	TOTAL
Electricity (Domestic & Shop)	\$55.00 per month	\$660	\$66.00	\$726.00
Telephone	\$45.00 per month	\$540	\$54.00	\$594.00
Accounting & Legal		\$170		\$169.95
Misc. Supplies & Hand Tools		\$390		\$390.00
Pickup and Auto miles	Crop Ent. 4000 Livestock Ent. 2000 @ \$0.365 per mile	\$1,460	\$730.00	\$2,190.00
Insurance				
- general liability (non-employee)		\$170	\$0.00	\$169.95
- fire/theft		\$145	\$0.00	\$145.00
Property Taxes				
- non-planted land		\$0	\$0.00	\$0.00
- other than land & machinery		\$135.00		\$135.00
Building repairs and maintenance		\$190	\$19.00	\$209.00
Dues, fees, publications		\$105	\$5.25	\$110.25
Farmstead Equipment		\$165	\$16.50	\$181.50
Total		\$4,130	\$891	\$5,021
Total Per Planted Acre		\$137.66		

Table 2. Pumping Costs and Data For Irrigation Wells, De Baca, 2003.

INPUT DATA

DELIVERY PSI:		DEPTH CHARACTERISTICS:	
SPRINKLER...	0	STATIC.....	15
		DRAW DOV.....	55
		TOTAL HEAD.....	70
		CASING.....	125
GALLONS PER MINUTE (GPM)...	1500		
WORK HORSEPOWER	27		
EFFICIENCY FACTOR:			
ELECTRICITY.....	0.447		
NATURAL GAS.....	0.125		
BUTANE.....	0.186		
DIESEL.....	0.199		
FUEL COST PER UNIT:			
ELECTRICITY.....	\$9.55	CENTS/K	wH
NATURAL GAS.....	\$3.50	\$/MCF	
BUTANE.....	\$1.21	\$/GAL	
DIESEL.....	\$1.30	\$/GAL	

FUEL PUMPING COSTS:

ELECTRICAL WELL:	
COST PER HOUR.....\$	\$4.26
COST PER ACRE INCH.....\$	\$1.28
NATURAL GAS WELL:	
COST PER HOUR.....\$	\$2.10
COST PER ACRE INCH.....\$	\$0.63
BUTANE WELL:	
COST PER HOUR.....\$	\$4.81
COST PER ACRE INCH.....\$	\$1.45
DIESEL WELL:	
COST PER HOUR.....\$	\$3.14
COST PER ACRE INCH.....\$	\$0.95

TABLE 2a. Equipment summary for a 30 acre farm with above average management, De Baca County, 2003.

EQUIPMENT ITEM & SIZE	ANNUAL HOURS OF USE		VARIABLE COSTS					FIXED COSTS		
	HOURS	NUMBER	TOTAL VALUE	FUEL AND LUBRICANT	FUEL, LUBE REPAIR	PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HOUR
TRACTOR 40 HP	54	1	\$1,600	\$219	\$8	\$4.04	\$0.14	\$63	\$10	\$1.34
RAKE 8FT	0	0	\$0		\$0		\$0.00	\$0	\$0	\$0.00
DISC 12 FT	2	1	\$600		\$2		\$0.74	\$80	\$5	\$38.21
FLOAT	0	1	\$400		\$0		\$0.02	\$53	\$3	\$176.74
PLOW 3-BOTTOM (FLIP)	5	1	\$0		\$0		\$0.00	\$0	\$0	\$0.00
BORDER DISC 6-DISC	0	1	\$750		\$0		\$0.93	\$100	\$6	\$706.97
DRILL 10 FT.	2	1	\$0		\$0		\$0.00	\$0	\$0	\$0.00
			\$3,350	\$219	\$9			\$296	\$24	

Table 3a. Livestock Production Parameters

NUMBER OF COWS	30
COWS PER BULL	15
NUMBER OF HORSES	1
REPLACEMENT RATE (%)	10.00%
CALF DEATH LOSS (%)	1.00%
YEARLING DEATH LOSS (%)	0.00%
COW DEATH LOSS (%)	0.00%
BULL DEATH LOSS (%)	0.00%
CALF CROP (%)	97.00%
PRODUCTIVE LIFE OF BULLS (YEARS)	5
PERCENT SOLD AS YEARLINGS:	
HEIFERS	0.00%
STEERS	0.00%

Table 3b. Forage Sources for Livestock

	ACRES	AUMS/ ACRE	AUMS PROVIDED
ALFALFA	10.00	1.00	10.00
PERMANENT PASTURE	20.00	10.00	200.00
BALED HAY (TONS)		93.72	234.30
TOTAL	30.00		444.30

Table 3c. STOCK COUNT CHART

LIVES WERE BORN IN: MARCH MARCH

SEASON	REPLACEMENT			YEARLING		STEERS	HEIFER	HORSES	TOTAL AUMs REQUIRED
	BULLS 1.4	COWS 1.0	HEIFERS 0.7	STEERS 0.7	HEIFERS 0.7	CALVES 0.5	CALVES 0.5		
JANUARY	2	30				0	3	1	36
FEBUARY	2	30				0	3	1	36
MARCH	2	30	3					1	36
APRIL	2	30	3					1	36
MAY	2	30	3					1	36
JUNE	2	30	3					1	36
JULY	2	30	3					1	36
AUGUST	2	30	3					1	36
SEPTEMBER	2	30	3					1	36
OCTOBER	2	30				15	15	1	49
NOVEMBER	2	30				0	3	1	36
DECEMBER	2	30				0	3	1	36

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Table 3d. FORAGE BALANCE CHART

	TOTAL AUMs REQUIRED	ALFALFA	PERMANENT PASTURE	TOTAL AUMs SUPPLIEI	HAY
JANUARY	36	3	0	3	33
FEBRUARY	36	3	0	3	33
MARCH	36	0	10	10	26
APRIL	36	0	20	20	16
MAY	36	0	30	30	6
JUNE	36	0	30	30	6
JULY	36	0	30	30	6
AUGUST	36	0	20	20	16
SEPTEMBER	36	0	30	30	6
OCTOBER	49	0	30	30	19
NOVEMBER	36	3	0	3	33
DECEMBER	36	3	0	3	33
Total AUMs	444	10	200	210	234

TABLE 4. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County, 2003.
Planting dates: September 1 - October 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS	TOTAL				
<u>PURCHASED INPUTS</u>								
SEED	\$2.95	17 LBS	\$50.15	\$50.15				
NITROGEN (N)	\$0.36	0 LBS	\$0.00	\$0.00				
PHOSPHATE (P2O5)	\$0.33	0 LBS	\$0.00	\$0.00				
CANAL WATER		12 AC. IN.						
SUBTOTAL			\$50.15	\$50.15				
<u>PREHARVEST OPERATIONS</u>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	40 HP	0.31 HR		\$2.09	\$1.25	\$0.27	\$12.26	\$15.88
PLOW (BORROWED)	40 HP	1.31 HR		\$8.84	\$5.29	\$0.18	\$1.75	\$16.07
DISC (1X)	40 HP	0.31 HR		\$2.09	\$1.25	\$0.27	\$12.26	\$15.88
BORDER DISC	40 HP	0.05 HR		\$0.34	\$0.20	\$0.05	\$35.42	\$36.01
DRILL (BORROWED)	40 HP	0.41 HR		\$2.77	\$1.66	\$0.06	\$0.55	\$5.03
IRRIGATE (2X)		1.00 HR		\$6.75				\$6.75
SUBTOTAL		3.39 HR		\$22.88	\$9.65	\$0.84	\$62.24	\$95.62
<u>OVERHEAD EXPENSES</u>								
DOWNTIME		1.20 HR		\$8.10				\$8.10
EMPLOYEE BENEFITS				\$2.75				\$2.75
INSURANCE			\$0.27					\$0.27
SUPERVISION AND MANAGEMENT				\$12.40				\$12.40
SUBTOTAL		1.20 HR	\$0.27	\$23.24				\$23.52
<u>TOTAL OPERATING EXPENSES</u>		4.59 HR	\$50.42	\$46.13	\$9.65	\$0.84	\$62.24	\$169.29

TABLE 5. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County, 2003.
Harvest dates: June 15 - October 15

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
ALFALFA HAY	\$110.00	5.00	TONS (STANDING)					\$550.00	
GRAZING	\$10.00	1.00	AUM					\$10.00	
TOTAL								\$560.00	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
NITROGEN (N)	\$0.36	35	LBS	\$29.70				\$29.70	
PHOSPHATE (P2O5)	\$0.33	90	LBS	\$13.49				\$13.49	
INSECTICIDE (CUSTOM)	\$13.49	1	ACRE	\$13.49				\$13.49	
WIRE	\$0.39	43	LBS	\$16.71				\$16.71	
ESTABLISHMENT: Principal		6	YEARS				\$28.21	\$28.21	
: Interest							\$5.31	\$5.31	
CANAL WATER		48	AC. IN.				\$42.50	\$42.50	
SUBTOTAL				\$73.39			\$76.03	\$149.42	
PREHARVEST OPERATIONS									
PURCHASED INPUTS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS		LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (3X)		2.25	HR		\$15.19				\$15.19
SUBTOTAL				2.25	HR	\$15.19			\$15.19
OVERHEAD EXPENSES									
DOWNTIME					\$0.00				\$0.00
EMPLOYEE BENEFITS					\$1.82				\$1.82
INSURANCE								\$0.00	\$0.00
LAND TAXES								\$0.60	\$0.60
SUPERVISION AND MANAGEMENT					\$39.20				\$39.20
OTHER EXPENSES					\$137.66				\$137.66
SUBTOTAL				\$137.66	\$41.02			\$0.60	\$179.29
TOTAL OPERATING EXPENSES		2.25	HR	\$137.66	\$56.21			\$0.60	\$194.48
NET OPERATING PROFIT								\$365.52	
INTEREST ON OPERATING CAPITAL	(\$137.66	@	8.00%)			\$11.01	
INTEREST ON EQUIPMENT INVESTMENT								\$0.00	
RETURN TO LAND AND RISK								\$354.51	

BUDGET SUMMARY

GROSS RETURN		\$560.00	
VARIABLE OPERATING EXPENSES	\$137.66		
RETURN OVER VARIABLE EXPENSES		\$422.34	(GROSS MARGIN)
FIXED EXPENSES	\$0.60		
NET FARM INCOME		\$421.73	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$56.21		
NET OPERATING PROFIT		\$365.52	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$11.01		
RETURN TO LAND AND RISK		\$354.51	

TABLE 6. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County, 2003.
Planting dates: May 1 - June 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
<u>PURCHASED INPUTS</u>									
FESCUE SEED	\$2.85	17 LBS			\$48.45				\$48.45
NITROGEN	\$0.36	70 LBS			\$25.20				\$25.20
CANAL WATER		18 AC. IN.							
SUBTOTAL					\$73.65				\$73.65
<u>PREHARVEST OPERATIONS</u>									
	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	40 HP	0.31 HR			\$2.09	\$1.25	\$0.27	\$12.26	\$15.88
PLOW (BORROWED)	40 HP	1.31 HR			\$8.84	\$5.29	\$0.18	\$1.75	\$16.07
FERTILIZE	40 HP	0.05 HR			\$0.34	\$0.20	\$0.04	\$1.98	\$2.56
FLOAT	40 HP	0.32 HR			\$2.16	\$1.29	\$0.05	\$56.99	\$60.49
BORDER DISC	40 HP	0.00 HR			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DRILL (BORROWED)	40 HP	0.41 HR			\$2.77	\$1.66	\$0.06	\$0.55	\$5.03
IRRIGATE (3X)		2.25 HR			\$15.19				\$15.19
SUBTOTAL		4.65 HR			\$31.39	\$9.69	\$0.61	\$73.53	\$115.22
<u>OVERHEAD EXPENSES</u>									
DOWNTIME		0.60 HR			\$4.05				\$4.05
EMPLOYEE BENEFITS					\$7.85				\$7.85
INSURANCE				\$0.38					\$0.38
SUPERVISION AND MANAGEMENT					\$16.67				\$16.67
SUBTOTAL		0.60 HR		\$0.38	\$28.57				\$28.94
TOTAL OPERATING EXPENSES		5.25 HR		\$74.03	\$59.96	\$9.69	\$0.61	\$73.53	\$217.81

TABLE 7. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County, 2003.
Harvest dates: Year Round

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
PASTURE	\$12.00	10.00	AUMS					\$120.00	
TOTAL								\$120.00	
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS		FIXED COST		TOTAL		
PHOSPHATE	\$0.33	34	\$11.22				\$11.22		
NITROGEN	\$0.36	70 LBS	\$25.20				\$25.20		
ESTABLISHMENT: Principal		20 YEARS			\$10.89		\$10.89		
: Interest					\$7.48		\$7.48		
CANAL WATER		24 AC. IN.			\$42.50		\$42.50		
SUBTOTAL			\$36.42		\$60.87		\$97.29		
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
FERTILIZE	40HP	0.05		\$0.34	\$0.20	\$0.01	\$8.90	\$9.45	
IRRIGATE (3X)		5.00 HR		\$33.75				\$33.75	
CLEAN DITCHES	CUSTOM		\$5.00					\$5.00	
SUBTOTAL			5.00 HR	\$5.00	\$34.09	\$0.20	\$0.01	\$8.90	\$48.20
OVERHEAD EXPENSES									
DOWNTIME				\$0.00				\$0.00	
EMPLOYEE BENEFITS				\$4.09				\$4.09	
INSURANCE			\$0.41					\$0.41	
LAND TAXES							\$0.60	\$0.60	
SUPERVISION AND MANAGEMENT				\$10.90				\$10.90	
OTHER EXPENSES				\$137.66				\$137.66	
SUBTOTAL				\$138.07	\$14.99		\$0.60	\$153.67	
TOTAL OPERATING EXPENSES		5.00 HR		\$179.49	\$49.08	\$0.20	\$0.01	\$70.38	\$299.16
NET OPERATING PROFIT								(\$179.16)	
INTEREST ON OPERATING CAPITAL	(\$97.29	@	8.00%)			\$4.57	
INTEREST ON EQUIPMENT INVESTMENT								\$4.33	
RETURN TO LAND AND RISK								(\$188.06)	

BUDGET SUMMARY

GROSS RETURN		\$120.00	
VARIABLE OPERATING EXPENSES	\$179.70		
RETURN OVER VARIABLE EXPENSES		(\$59.70)	(GROSS MARGIN)
FIXED EXPENSES	\$70.38		
NET FARM INCOME		(\$130.08)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$49.08		
NET OPERATING PROFIT		(\$179.16)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$8.90		
RETURN TO LAND AND RISK		(\$188.06)	

Table 8. Grass hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County, 2003.
Harvest dates: August 15 - September 30

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
GRASS HAY	\$130.00	2.00 TONS (STACKED)						\$260.00	
GRAZING	\$10.00	1.00 ACRE						\$10.00	
TOTAL								\$270.00	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS		FIXED COST		TOTAL	
SEED	\$0.26	70	LBS	\$18.20				\$18.20	
PHOSPHATE	\$0.33	35	LBS	\$11.55				\$11.55	
NITROGEN	\$0.36	70	ACRE	\$25.20				\$25.20	
WIRE	\$0.39	17	LBS	\$6.68				\$6.68	
CANAL WATER		30	AC. IN.			\$25.00		\$25.00	
SUBTOTAL				\$61.63			\$25.00	\$86.63	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZE	40HP	0.05			\$0.34	\$0.20	\$0.38	\$0.07	\$0.99
IRRIGATE (5X)		3.75	HR		\$25.31	\$0.00	\$0.00	\$0.00	\$25.31
CLEAN DITCHES	CUSTOM			\$5.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5.00
SUBTOTAL		3.80	HR	5.00	25.65	0.20	0.38	0.07	\$31.30
OVERHEAD EXPENSES									
DOWNTIME		0.00	HR		\$0.00				\$0.00
EMPLOYEE BENEFITS					\$3.08				\$3.08
INSURANCE				\$0.31					\$0.31
LAND TAXES								\$0.60	\$0.60
SUPERVISION AND MANAGEMENT					\$17.57				\$17.57
OTHER EXPENSES				\$137.66					\$137.66
SUBTOTAL		0.00	HR	\$137.97	\$20.65			\$0.60	\$159.22
TOTAL OPERATING EXPENSES		3.80	HR	\$204.61	\$46.30	\$0.20	\$0.38	\$25.67	\$277.16
NET OPERATING PROFIT								(\$7.16)	
INTEREST ON OPERATING CAPITAL	(\$30.96	@	8.00%)			\$2.48	
INTEREST ON EQUIPMENT INVESTMENT								\$46.90	
RETURN TO LAND AND RISK								(\$56.54)	
BUDGET SUMMARY									
GROSS RETURN				\$270.00					
VARIABLE OPERATING EXPENSES	\$205.19								
RETURN OVER VARIABLE EXPENSES		\$64.81	(GROSS MARGIN)						
FIXED EXPENSES	\$25.67								
NET FARM INCOME		\$39.14	(RETURN TO CAPITAL, LABOR, LAND & RISK)						
LABOR AND MANAGEMENT COST	\$46.30								
NET OPERATING PROFIT		(\$7.16)	(RETURN TO CAPITAL, LAND & RISK)						
CAPITAL COSTS	\$49.38								
RETURN TO LAND AND RISK				(\$56.54)					

Table 8. Livestock Enterprise, cost and returns for a 30 acre farm with livestock as the primary enterprise, with above average management, De Baca County, 2003.

GROSS RETURNS						
NUMBER		\$/CWT	Sale Weight (CWT)	Total (\$)	Guideline Value (\$/Cow)	Guideline Value (\$/AU)
0	YEARLING HEIFERS	\$92.00	4.85	\$0	\$0.00	\$0.00
0	YEARLING STEERS	102.00	5.25	0	0.00	\$0.00
12	HEIFER CALVES	88.00	4.20	4,435	147.84	\$119.79
15	STEER CALVES	1.00	4.70	71	2.35	\$1.90
0	BULLS	40.00	14.75	0	0.00	\$0.00
3	CULL COWS	34.00	8.85	903	30.09	\$24.38
429	MANURE	0.13	8.00	429	14.31	\$11.59
TOTAL				\$5,838	\$194.59	\$157.67
PURCHASED INPUTS						
NUMBER	PURCHASED INPUTS	Unit	\$/Unit	Total	Guideline Value (\$/Cow)	Guideline Value (\$/AU)
FORAGE:						
10	ALFALFA	AUM	\$10.00	\$100	\$3.33	\$2.70
200	PERMANENT PASTURE	AUM	\$12.00	\$2,400	\$80.00	\$64.82
SUBTOTAL				\$2,500	\$83	\$68
LABOR, FEED, LIVESTOCK:						
		Unit	\$/Unit	Total	(\$/Cow)	(\$/AU)
1	PROTEIN SUPPLEMENT	TON	245	147	\$4.90	\$3.97
0	SALT & MINERALS	TON	200	48	1.60	1.30
94	HAY	TON	135	12,652	421.74	341.72
0	GRAIN	TON	200	0	0.00	0.00
0	GRAIN CUBES	TON	200	0	0.00	0.00
	FUEL AND REPAIRS	ANNUAL		0	0.00	0.00
	VETERINARY AND MEDICINE	ANNUAL		819	27.30	22.12
0	BULLS PURCHASED	HEAD	1300	0	0.00	0.00
	LIVESTOCK TAXES	ANNUAL		6	0.19	0.16
	MAINTENANCE	ANNUAL		0	0.00	0.00
33	PREGNANCY TEST	HEAD	2	66	2.00	1.78
47	LABOR	HOUR	5	237	7.90	6.40
29	BEEF CHECKOFF PROGRAM	HEAD	1	29	0.97	0.79
	MISCELLANEOUS	ANNUAL		0	0.00	0.00
SUBTOTAL				\$14,004	\$466.60	\$378.23
OVERHEAD EXPENSES						
	EMPLOYEE BENEFITS			0	\$0.00	\$0.00
	INSURANCE			0	\$0.00	\$0.00
	DEPRECIATION			523	\$17.42	\$14.11
	SUPERVISION AND MANAGEMENT			0	\$0.00	\$0.00
	OTHER EXPENSES			891	\$29.69	\$24.06
SUBTOTAL				\$1,413	\$47.11	\$38.17
TOTAL OPERATING EXPENSES				\$17,917	\$597.24	\$483.92
NET OPERATING PROFIT				(\$12,079)	(\$402.65)	(\$326.25)
CAPITAL COST						
	INTEREST ON OPERATING CAPITAL			\$645	\$21	\$17
	INTEREST ON MACHINERY AND IMPROVEMENTS			\$730	\$24	\$20
	INTEREST ON LIVESTOCK			\$0	\$0	\$0
TOTAL CAPITAL COST				\$1,375	\$46	\$37
RETURN TO RISK				(\$13,454)	(\$448)	(\$363)
RATE OF RETURN ON INVESTMENT				-35.9775%		
BUDGET SUMMARY						
GROSS RETURN					\$5,838	
VARIABLE OPERATING EXPENSES				\$16,504		
RETURN OVER VARIABLE EXPENSES					(\$10,666)	
FIXED EXPENSES				\$1,413		
NET FARM INCOME					(\$12,079)	
LABOR AND MANAGEMENT COST				\$0		
NET OPERATING PROFIT					(\$12,079)	
CAPITAL COST				\$1,375		
RETURN TO LAND AND RISK					(\$13,454)	

TABLE 9. Summary of per acre costs and returns, 30 acre farm with above average management, De Baca, 2003.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	PERMANENT PASTURE EST.	PERMANENT PASTURE
	-----FLOOD-----			
		TONS		AUMS
PRIMARY YIELD		5.00		10.00
PRIMARY PRICE		110.00		12.00
GOVERNMENT PAYMENTS		0.00		0.00
SECOND INCOME		10.00		0.00
GROSS RETURN		\$560.00		\$120.00
CASH OPERATING EXPENSES				
SEED	\$50.15		\$48.45	
FERTILIZER	\$0.00	\$43.19	\$25.20	\$25.20
CHEMICALS		\$13.49		
CROP INSURANCE				
OTHER PURCHASED INPUTS		\$16.71		
CANAL WATER		\$42.50		\$42.50
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$9.65	\$0.00	\$9.69	\$0.20
FUEL-IRRIGATION				
REPAIRS	\$0.84	\$0.00	\$0.61	\$0.01
CUSTOM CHARGES	\$0.00			
LAND TAXES		\$0.60		\$0.60
OTHER EXPENSES	\$0.27	\$137.66	\$0.38	\$138.07
TOTAL CASH EXPENSES	\$60.92	\$254.16	\$84.33	\$206.59
RETURN OVER CASH EXPENSES	(\$60.92)	\$305.84	(\$84.33)	(\$86.59)
FIXED EXPENSES	\$62.24	(\$42.50)	\$73.53	\$27.28
TOTAL EXPENSES	\$123.16	\$211.66	\$157.86	\$233.86
NET FARM INCOME	(\$123.16)	\$348.34	(\$157.86)	(\$113.86)
LABOR AND MANAGEMENT COSTS	\$46.13	\$56.21	\$59.96	\$49.08
NET OPERATING PROFIT	(\$169.29)	\$292.13	(\$217.81)	(\$162.94)
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		\$11.01		\$4.57
INTEREST ON EQUIPMENT INVESTMENT		\$0.00		\$4.33
TOTAL CAPITAL COSTS	\$0.00	\$11.01	\$0.00	\$8.90
RETURN TO LAND AND RISK	(\$169.29)	\$281.12	(\$217.81)	(\$171.84)

Flex Computation

\$0.00

\$0.00

TABLE 10. Whole farm budget summary, De Baca, 2003.

GROSS RETURNS		
ALFALFA HAY	10.0 ACRES	
CROP		\$5,500
GRAZING		\$100
PERMANENT PASTURE	20.0 ACRES	
GRAZING		\$2,400
	0.0 ACRES	
CROP		\$0
GRAZING		\$0
GRASS HAY	0.0 ACRES	
CROP		\$0
GRAZING		\$0
LIVESTOCK		\$5,838
GROSS RETURN		<u>\$13,838</u>
CASH OPERATING EXPENSES		
FORAGE		\$2,500
LIVESTOCK FEED		\$14,004
SEED		\$199
FERTILIZER		\$961
CHEMICALS		\$135
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$167
CANAL WATER		\$1,275
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$43
FUEL-IRRIGATION		\$0
REPAIRS		\$3
CUSTOM CHARGES		\$0
LAND TAXES		\$18
OTHER EXPENSES		\$4,139
TOTAL CASH EXPENSES		<u>\$23,444</u>
RETURN OVER CASH EXPENSES		(\$9,607)
FIXED EXPENSES		(\$119)
TOTAL EXPENSES		\$23,325
NET FARM INCOME		(\$9,487)
LABOR AND MANAGEMENT COSTS		\$1,742
NET OPERATING PROFIT		(\$11,229)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$201
INTEREST ON EQUIPMENT INVESTMENT		\$87
TOTAL CAPITAL COSTS		<u>\$288</u>
RETURN TO LAND AND RISK		<u>(\$11,518)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$1,000 /ACRE	(\$12,718)	-33.67%
\$2,000 /ACRE	(\$13,918)	-17.73%
\$3,000 /ACRE	(\$15,118)	-12.03%
\$4,000 /ACRE	(\$16,318)	-9.10%
\$5,000 /ACRE	(\$17,518)	-7.32%
\$6,000 /ACRE	(\$18,718)	-6.12%
\$7,000 /ACRE	(\$19,918)	-5.26%

* 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)