

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... De Baca CountyProjected 2009.
FARM SIZE..... 30.00 ACRES
IRRIGATION TYPE..... FLOOD
NUMBER OF CROPS..... 3

VERSION 1.0

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TABLE 1. Acreage summary of De Baca County,
Projected 2009.

BUDGET AREA..... DE BACA COUNTY			
FARM SIZE.....	30 ACRES		
IRRIGATION TYPE.....	FLOOD		
NUMBER OF CROPS...	3		
WATER USE			
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	3.00 *	0	0
ALFALFA	10.00	0	0
PASTURE ESTABLISHMENT	1.00 *	0	0
PERMANENT PASTURE	20.00	0	0
TOTAL	30.00		0
ACRE FEET PER ACRE OF WATER RIGHTS			0.00

* DOUBLE-CROPPED

TABLE 2. Basic cost information for De Baca County,
Projected 2009.

Item		
Labor Wage Rate:		
Equipment operators	\$/hour	\$7.55
General & Irrigators	\$/hour	\$7.25
Purchased Inputs:		
Fertilizer:		
Nitrogen (N)	\$/pound	\$0.62
Phosphate (P205)	\$/pound	\$0.58
Seed:		
Alfalfa	\$/pound	\$4.00
Fescue	\$/pound	\$3.55
Energy:		
Butane	\$/MCF	0.00
Diesel fuel	\$/gallon	2.75
Gasoline	\$/gallon	2.50
Electricity	cents/KwHr	8.92
Natural Gas	\$/MCF	5.89
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	7.50%
Land Interest Rate	percent	7.25%
Equipment Interest Rate	percent	7.50%
Real Interest Rate	percent	3.00%
Land Taxes	\$75.00 /acre (full value)	\$0.72
Personal Property Tax Rate	- NR - R	\$/1,000 (Assessed Value) \$28.45
Supervision Factors		
Field Crop-Irrigation	\$/labor hour	\$1.00
Field Crop-Equipment & General	\$/labor hour	\$0.50
Management Rate	percent	7.00%

TABLE 2a. Overhead cost information for De Baca County
Projected 2009.

ITEM	CROP ENTERPRISE		LIVESTOCK ENTERPRISE	TOTAL			
Electricity (Domestic & Shop)	58.00 per month		626	62.64	696.00		
Telephone	46.40 per month		501	50.11	556.80		
Accounting & Legal			179	0.00	179.22		
Misc. Supplies & Hand Tools			418	0.00	417.60		
Pickup and Auto	Crop Ent. 4640.00 miles	Livestock Ent. 2320.00	@	0.42 per mile	1,925.60	962.80	2,888.40
Insurance							
- general liability (non-employee)				179.22	0.00	179.22	
- fire/theft				150.80	0.00	150.80	
Property Taxes							
- non-planted land				0.00	0.00	0.00	
- other than land & machinery				0.00	0.00	0.00	
Building repairs and maintenance				201.08	22.34	223.43	
Dues, fees, publications				98.66	10.96	109.62	
Farmstead Equipment				172.26	19.14	191.40	
Total				4,452	1,128	5,592	
Total Per Planted Acre				148.40			

Table 3. Pumping Costs and Data For Irrigation Wells, De Baca County Projected 2020

WELL DATA		DEPTH CHARACTERISTICS	
DELIVERY PSI	0.00	STATIC	15.00
SPRINKLER		DRUM DOWN	58.00
		TOTAL HEAD	70
		CASING	125.00
GALLONS PER MINUTE (GPM)	1,500.00		
WORK HORSEPOWER	28.52		
EFFICIENCY FACTOR			
ELECTRICITY	0.45		
NATURAL GAS	0.19		
BUTANE	0.20		
DIESEL	0.20		
FUEL COST PER UNIT			
ELECTRICITY	8.60 CENTS/kWh		
NATURAL GAS	5.88 \$/MCF		
BUTANE	0.00 \$/GAL		
DIESEL	2.75 \$/GAL		
FUEL PUMPING COSTS			
ELECTRICAL WELL			
COST PER HOUR	\$	3.98	
COST PER ACRE INCH	\$	1.20	
NATURAL GAS WELL			
COST PER HOUR	\$	3.52	
COST PER ACRE INCH	\$	1.08	
BUTANE WELL			
COST PER HOUR	\$	0.53	
COST PER ACRE INCH	\$	0.61	
DIESEL WELL			
COST PER HOUR	\$	6.81	
COST PER ACRE INCH	\$	1.99	

TABLE 4. Equipment summary for a 30 acre farm with above average management, De Baca County Projected 2020

EQUIPMENT ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	VARIABLE COSTS					FIXED COSTS			TOTAL PER HOUR
			TOTAL VALUE	FUEL AND LUBRICANT	REPAIR	FUEL LUBE PER HOUR	REPAIR PER HOUR	DEPRECIATION	TAXES		
TRACTOR 40 HP	10.57	1.00	8,888.00	17.97	11.40	1.70	1.08	359.50	85.98	42.15	
RAKE 8 FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DISC 12 FT	3.22	1.00	2,250.00	8.19	2.79			900.00	21.53	144.85	
FLOAT	0.52	1.00	500.00	0.01	0.02			53.33	3.83	178.83	
FLOW BOTTOM (Borrowed)	5.24	1.00	0.00	0.00	0.00			0.00	0.00	0.00	
BORDER DISC 8 DISC	0.15	1.00	750.00	0.14	0.93			100.00	7.18	714.50	
DRILL 10 FT. (Borrowed)	1.64	1.00	0.00	0.00	0.00			0.00	0.00	0.00	
			10,388	18	12			513	110		

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNITS/HOUR	LUBE COST/HOUR	ACCUM HOURS	AGE	INTEREST EXPENSE
TRACTOR 40 HP	17,875.00	8,888.00	80.00	1.00	800.00	3.40	0.10	158.55	15.00	674.00
RAKE 8 FT	3,100.00	1,560.00	20.00	8.00	500.00	0.00	0.00	116.25	0.00	116.25
DISC 12 FT	4,500.00	2,250.00	15.00	3.00	300.00	35.52	16.00	169.75	16.00	169.75
FLOAT	800.00	500.00	15.00	4.00	300.00	4.8	15.00	30.00	0.00	30.00
FLOW BOTTOM (BORROWED)	1,500.00	750.00	15.00	3.00	300.00	89.08	17.00	5.00	1.31	5.00
BORDER DISC 8 DISC	1,500.00	750.00	15.00	3.00	300.00	2.4	16.00	96.25	0.05	0.00
DRILL 10 FT. (BORROWED)					100.00		24.8	15.00	0.00	0.00

Interest Provision Dollars per Acre

AT EST	POWER	FUEL EST	PRIN	PRIN
150.41	0.00	153.05	3.19	
6.00	0.00	0.00	0.00	
47.13	0.00	27.36	0.00	
6.00	0.00	30.00	0.00	
0.00	0.00	0.00	0.00	
16.75	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
21.99	0.00	21.99	3.19	

Usage List

MACHINE	POWER UNIT	TIMES OVER	PERMANENT EST.		RATE	TOTAL	CUSTOM
			ALFALFA HAY	PASTURE			
ALFALFA ESTABLISHMENT ACRES: 3.00 PUMP WATER							
ACCOMPLISHMENT							
DISC	40HP	1.00	0.31	0.31			
FLOW	40HP	1.00	1.31	1.31			
DISC 12X	40HP	1.00	0.31	0.31			
LASER PLANE (CUSTOM)	40HP	1.00	0.05	0.05		0.00	
BORDER DISC	40HP	1.00	0.41	0.41			
DRILL	40HP	1.00	0.52	0.52			
IRRIGATE (3X)			2.00	2.00			3.97
ALFALFA HAY ACRES: 10.00 PUMP WATER							
ACCOMPLISHMENT							
IRRIGATE (3X)	14 FT	0.00	0.45	0.50		7.77	
BALER (3X)	40HP	0.00	0.27	0.00		2.22	
RAKE (3X)	40HP	0.00	0.28	0.00		0.51	
PASTURE ESTABLISHMENT ACRES: 1.00 PUMP WATER							
ACCOMPLISHMENT							
DISC	40HP	1.00	0.31	0.31			
FLOW	40HP	1.00	1.31	1.31			
DISC 12X	40HP	1.00	0.05	0.05			
FLOAT	40HP	1.00	0.32	0.32			
BORDER DISC	40HP	1.00	0.02	0.02			
DRILL	40HP	1.00	0.41	0.41			
IRRIGATE (3X)			3.00	3.25			4.60
PERMANENT PASTURE ACRES: 20.00 PUMP WATER							
ACCOMPLISHMENT							
IRRIGATE (10X)			10.00	0.50		5.00	
FERTILIZE	40HP		1	0.05		0.05	
ANNUAL REPAIR COSTS AS A PERCENT OF NEW VALUE							

Hours of Use	1	2	3	4	5	6	7	8	9
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

* Based on unpublished data of D. R. Hunt, Department of Agricultural Engineering, University of Illinois.

** Based on "Agricultural Machinery Data" in Agricultural Engineers Yearbook, 1950.

Codes

- 1 tractors
- 2 balers, combines, forage harvesters, windrowers, pickups
- 3 rotary hoes, disks, moldboard plows, chisels, field cultivators
- 4 row cultivators, laser planes
- 5 harrows, weepers, Roadis, roto buck, drag, roller, water furrow, bed breaker
- 6 balers, cotton pickers, cotton strippers, corn pickers
- 7 corn heads, forage equipment, rotary mowers, sick choppers, feed wagons, farm trucks
- 8 chews, cultivator mowers
- 9 baler w/ engine, manure spreader
- 0 planters, drills, seeding equipment, mounted sprayers
- 1 fertilizer distributing equipment

TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County Projected 2009.
Planting dates: September 1 - October 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED	4.00	17.00 LBS	68.00					68.00
NITROGEN (N)	0.62	0.00 LBS	0.00					0.00
PHOSPHATE (P2O5)	0.58	0.00 LBS	0.00					0.00
CANAL WATER		12.00 AC. IN.						
SUBTOTAL			68.00					68.00
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	40 HP	0.31 HR		2.34	0.53	1.20	57.96	62.03
PLOW (BORROWED)	40 HP	1.31 HR		9.89	2.23	1.41	55.21	68.74
DISC (1X)	40 HP	0.31 HR		2.34	0.53	1.20	57.96	62.03
BORDER DISC	40 HP	0.05 HR		0.38	0.09	0.10	37.83	38.40
DRILL (BORROWED)	40 HP	0.41 HR		3.10	0.70	0.44	17.28	21.51
IRRIGATE (2X)		1.00 HR		7.25				7.25
SUBTOTAL		3.39 HR		25.29	4.06	4.35	226.25	259.96
OVERHEAD EXPENSES								
DOWNTIME		0.85 HR		6.32				6.32
EMPLOYEE BENEFITS				4.55				4.55
INSURANCE			0.51					0.51
SUPERVISION AND MANAGEMENT				25.15				25.15
SUBTOTAL		0.85 HR	0.51	36.03				36.53
TOTAL OPERATING EXPENSES		4.24 HR	68.51	61.32	4.06	4.35	226.25	364.49

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County Projected 2009.
Harvest dates: June 15 - October 15

ITEM	PRICE	YIELD					TOTAL	
GROSS RETURNS								
ALFALFA HAY	120.00	5.00 TONS (STANDING)					600.00	
GRAZING	10.00	1.00 AUM					10.00	
TOTAL							610.00	
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS			FIXED COST	TOTAL	
NITROGEN (N)	0.62	35.00 LBS	52.20				52.20	
PHOSPHATE (P2O5)	0.58	90.00 LBS	13.49				13.49	
INSECTICIDE (CUSTOM)	13.49	1.00 ACRE	13.49				13.49	
WIRE	0.55	42.85 LBS	23.57				23.57	
ESTABLISHMENT: Principal		6.00 YEARS				60.75	60.75	
: Interest						6.41	6.41	
CANAL WATER		48.00 AC. IN.				56.00	56.00	
SUBTOTAL			102.75			123.16	225.91	
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (3X)		2.25 HR		16.31				16.31
SUBTOTAL		2.25 HR		16.31				16.31
OVERHEAD EXPENSES								
DOWNTIME				4.08				4.08
EMPLOYEE BENEFITS				2.94				2.94
INSURANCE							0.00	0.00
LAND TAXES							0.72	0.72
SUPERVISION AND MANAGEMENT				42.70				42.70
OTHER EXPENSES			148.40					148.40
SUBTOTAL			148.40	49.71			0.72	198.83
TOTAL OPERATING EXPENSES		2.25 HR	148.40	66.03			0.72	215.14
NET OPERATING PROFIT								394.86
INTEREST ON OPERATING CAPITAL	(148.40 @	0.08)					11.13
INTEREST ON EQUIPMENT INVESTMENT								0.00
RETURN TO LAND AND RISK								383.73
BUDGET SUMMARY								
GROSS RETURN		610.00						
VARIABLE OPERATING EXPENSES	148.40							
RETURN OVER VARIABLE EXPENSES		461.60	(GROSS MARGIN)					
FIXED EXPENSES	0.72							
NET FARM INCOME		460.88	(RETURN TO CAPITAL, LABOR, LAND & RISK)					
LABOR AND MANAGEMENT COST	66.03							
NET OPERATING PROFIT		394.86	(RETURN TO CAPITAL, LAND & RISK)					
CAPITAL COSTS	11.13							
RETURN TO LAND AND RISK		383.73						

TABLE 7. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca Count;Projected 2009.
Planting dates: May 1 - June 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS				TOTAL	
PURCHASED INPUTS								
FESCUE SEED	3.55	17.00 LBS	60.35				60.35	
NITROGEN	0.62	70.00 LBS	43.40				43.40	
CANAL WATER		18.00 AC. IN.						
SUBTOTAL			103.75				103.75	
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	40 HP	0.31 HR		2.34	0.53	1.20	57.96	62.03
PLOW (BORROWED)	40 HP	1.31 HR		9.89	2.23	1.41	55.21	68.74
FERTILIZE	40 HP	0.05 HR		0.38	0.09	0.19	9.35	10.00
FLOAT	40 HP	0.32 HR		2.42	0.54	0.35	70.65	73.96
BORDER DISC	40 HP	0.00 HR		0.00	0.00	0.00	0.00	0.00
DRILL (BORROWED)	40 HP	0.41 HR		3.10	0.70	0.44	17.28	21.51
IRRIGATE (3X)		2.25 HR		16.99				16.99
SUBTOTAL		4.65 HR		35.11	4.08	3.60	210.45	253.23
OVERHEAD EXPENSES								
DOWNTIME		0.60 HR		0.15				0.15
EMPLOYEE BENEFITS				6.32				6.32
INSURANCE			0.70					0.70
SUPERVISION AND MANAGEMENT				28.44				28.44
SUBTOTAL		0.60 HR	0.70	34.91				35.61
TOTAL OPERATING EXPENSES		5.25 HR	104.45	70.02	4.08	3.60	210.45	392.59

TABLE 8. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for a 30 acre farm with above average management, De Baca County Projected 2009.
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	0.58	34	19.72					19.72	
NITROGEN	0.62	70.00 LBS	43.40					43.40	
ESTABLISHMENT: Principal		20.00 YEARS					19.63	19.63	
: Interest							8.76	8.76	
CANAL WATER		24.00 AC. IN.					56.00	56.00	
SUBTOTAL			63.12				84.39	147.51	
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
FERTILIZE	40HP	0.05		0.38	0.09	0.19	9.35	10.00	
IRRIGATE (3X)		5.00 HR		36.25				36.25	
CLEAN DITCHES	CUSTOM		5.00					5.00	
SUBTOTAL			5.00 HR	5.00	36.63	0.09	0.19	9.35	51.25
OVERHEAD EXPENSES									
DOWNTIME				0.00				0.00	
EMPLOYEE BENEFITS				6.59				6.59	
INSURANCE			0.73					0.73	
LAND TAXES								0.72	
SUPERVISION AND MANAGEMENT				13.40				13.40	
OTHER EXPENSES			148.40					148.40	
SUBTOTAL			149.13	19.99				0.72	169.84
TOTAL OPERATING EXPENSES		5.00 HR	217.25	56.62	0.09	0.19	94.46	368.61	
NET OPERATING PROFIT							-248.61		
INTEREST ON OPERATING CAPITAL	(147.51	@	0.08)				6.21	
INTEREST ON EQUIPMENT INVESTMENT							3.19		
RETURN TO LAND AND RISK							-258.01		

BUDGET SUMMARY

GROSS RETURN		120.00	
VARIABLE OPERATING EXPENSES	217.53		
RETURN OVER VARIABLE EXPENSES	-97.53	(GROSS MARGIN)	
FIXED EXPENSES	94.46		
NET FARM INCOME	-191.99	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	56.62		
NET OPERATING PROFIT	-248.61	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	9.40		
RETURN TO LAND AND RISK	-258.01		

Table 9. Livestock Enterprise, cost and returns for a 30 acre farm with livestock as the primary enterprise, with above average management, De Baca County Projected 2009.

GROSS RETURNS						
NUMBER		\$/CWT	Sale Weight (CWT)	Total (\$)	Guideline Value (\$/Cow)	Guideline Value (\$/AU)
0.00	YEARLING HEIFERS	92.00	4.85	0.00	0.00	0.00
0.00	YEARLING STEERS	102.00	5.25	0.00	0.00	0.00
11.55	HEIFER CALVES	88.00	4.20	4435.20	147.84	119.79
14.55	STEER CALVES	1.00	4.70	70.50	2.35	1.90
0.00	BULLS	40.00	14.75	0.00	0.00	0.00
3.00	CULL COWS	34.00	8.85	902.70	30.09	24.38
429.30	MANURE	0.13	8.00	429.30	14.31	11.59
TOTAL				5837.70	194.59	157.67
PURCHASED INPUTS						
NUMBER	PURCHASED INPUTS	Unit	\$/Unit	Total (\$)	Guideline Value (\$/Cow)	Guideline Value (\$/AU)
FORAGE:						
10.00	ALFALFA	AUM	10.00	100.00	3.33	2.70
200.00	PERMANENT PASTURE	AUM	12.00	2400.00	80.00	64.82
SUBTOTAL				2500.00	83.33	67.52
LABOR, FEED, LIVESTOCK:						
0.60	PROTEIN SUPPLEMENT	TON	245.00	147.00	4.90	3.97
0.24	SALT & MINERALS	TON	200.00	48.00	1.60	1.30
93.72	HAY	TON	135.00	12652.20	421.74	341.72
0.00	GRAIN	TON	200.00	0.00	0.00	0.00
0.00	GRAIN CUBES	TON	200.00	0.00	0.00	0.00
	FUEL AND REPAIRS	ANNUAL		0.00	0.00	0.00
	VETERINARY AND MEDICINE	ANNUAL		818.85	27.30	22.12
0.00	BULLS PURCHASED	HEAD	1300.00	0.00	0.00	0.00
	LIVESTOCK TAXES	ANNUAL		5.75	0.19	0.16
	MAINTENANCE	ANNUAL		0.00	0.00	0.00
33.00	PREGNANCY TEST	HEAD	2.00	66.00	2.00	1.78
47.40	LABOR	HOUR	5.00	237.00	7.90	6.40
29.10	BEEF CHECKOFF PROGRAM	HEAD	1.00	29.10	0.97	0.79
	MISCELLANEOUS	ANNUAL		0.00	0.00	0.00
SUBTOTAL				14003.90	466.60	378.23
OVERHEAD EXPENSES						
	EMPLOYEE BENEFITS			0.00	0.00	0.00
	INSURANCE			0.00	0.00	0.00
	DEPRECIATION			522.50	17.42	14.11
	SUPERVISION AND MANAGEMENT			0.00	0.00	0.00
	OTHER EXPENSES			890.75	29.69	24.06
SUBTOTAL				1413.25	47.11	38.17
TOTAL OPERATING EXPENSES				17917.15	597.24	483.92
NET OPERATING PROFIT				-12079.45	-402.65	-326.25
CAPITAL COST						
	INTEREST ON OPERATING CAPITAL			644.57	21.49	17.41
	INTEREST ON MACHINERY AND IMPROVEMENTS			730.00	24.33	19.72
	INTEREST ON LIVESTOCK			0.00	0.00	0.00
TOTAL CAPITAL COST				1374.57	45.82	37.13
RETURN TO RISK				-13454.01	-448.47	-363.38
RATE OF RETURN ON INVESTMENT				-0.36		
BUDGET SUMMARY						
GROSS RETURN					5837.70	
VARIABLE OPERATING EXPENSES				16503.90		
RETURN OVER VARIABLE EXPENSES					-10666.20	
FIXED EXPENSES				1413.25		
NET FARM INCOME					-12079.45	
LABOR AND MANAGEMENT COST				0.00		
NET OPERATING PROFIT					-12079.45	
CAPITAL COST				1374.57		
RETURN TO LAND AND RISK					-13454.01	

TABLE 10. Summary of per acre costs and returns, 30 acre farm with above average management, De Baca County Projected 2009.

	ALFALFA ESTABLISHMENT	ALFALFA HAY -----FLOOD-----	PERMANENT PASTURE EST.	PERMANENT PASTURE
		TONS		AUMS
PRIMARY YIELD		5.00		10.00
PRIMARY PRICE		120.00		12.00
GOVERNMENT PAYMENTS		0.00		0.00
SECOND INCOME		10.00		0.00
GROSS RETURN		610.00		120.00
CASH OPERATING EXPENSES				
SEED	68.00		60.35	
FERTILIZER	0.00	65.69	43.40	63.12
CHEMICALS		13.49		
CROP INSURANCE				
OTHER PURCHASED INPUTS		23.57		
CANAL WATER		56.00		56.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	4.06	0.00	4.08	0.09
FUEL-IRRIGATION				
REPAIRS	4.35	0.00	3.60	0.19
CUSTOM CHARGES	0.00		0.00	
LAND TAXES		0.72		0.72
OTHER EXPENSES	0.51	148.40	0.70	149.13
TOTAL CASH EXPENSES	76.92	307.87	112.13	269.25
RETURN OVER CASH EXPENSES	-76.92	302.13	-112.13	-149.25
FIXED EXPENSES	226.25	-56.00	210.45	37.74
TOTAL EXPENSES	303.17	251.87	322.58	306.99
NET FARM INCOME	-303.17	358.13	-322.58	-186.99
LABOR AND MANAGEMENT COSTS	61.32	66.03	70.02	56.62
NET OPERATING PROFIT	-364.49	292.11	-392.59	-243.61
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		11.13		6.21
INTEREST ON EQUIPMENT INVESTMENT		0.00		3.19
TOTAL CAPITAL COSTS	0.00	11.13	0.00	9.40
RETURN TO LAND AND RISK	-364.49	280.98	-392.59	-253.01

Flex Computation

0.00 0.00

TABLE 11. Whole farm budget summary, De Baca County Projected 2009.

GROSS RETURNS		
ALFALFA HAY	10.00 ACRES	
CROP		6,000.00
GRAZING		100.00
PERMANENT PASTURE	20.00 ACRES	
GRAZING		2,400.00
LIVESTOCK		5,837.70
GROSS RETURN		<u>14,338</u>
CASH OPERATING EXPENSES		
FORAGE		2,500.00
LIVESTOCK FEED		14,003.90
SEED		264.35
FERTILIZER		1,962.71
CHEMICALS		134.91
CROP INSURANCE		0.00
OTHER PURCHASED INPUTS		235.68
CANAL WATER		1,680.00
FUEL, OIL & LUBRICANTS-EQUIPMENT		17.97
FUEL-IRRIGATION		0.00
REPAIRS		20.53
CUSTOM CHARGES		0.00
LAND TAXES		21.53
OTHER EXPENSES		4,468.83
TOTAL CASH EXPENSES		<u>25,310</u>
RETURN OVER CASH EXPENSES		-10,972.70
FIXED EXPENSES		1,083.96
TOTAL EXPENSES		26,394.36
NET FARM INCOME		-12,056.66
LABOR AND MANAGEMENT COSTS		2,046.66
NET OPERATING PROFIT		-14,103.33
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		235.52
INTEREST ON EQUIPMENT INVESTMENT		63.77
TOTAL CAPITAL COSTS		<u>299</u>
RETURN TO LAND AND RISK		<u>-14,402.62</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
1,000 /ACRE	-15,302.62	-0.35
2,000 /ACRE	-16,202.62	-0.20
3,000 /ACRE	-17,102.62	-0.14
4,000 /ACRE	-18,002.62	-0.11
5,000 /ACRE	-18,902.62	-0.09
6,000 /ACRE	-19,802.62	-0.07
7,000 /ACRE	-20,702.62	-0.06

* 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)