MENU	TO INPUT DATA	TO PRINT
TABLES:		
GENERAL AND PUMP COST INFORMATION	[A0] A	[A0] Z
GENERAL EQUIPMENT LIST	[A0] B	
ACCOMPLISHMENT RATES	[A0] C	
SUMMARY OF EQUIPMENT COSTS		[A0] E
SUMMARY OF PER-ACRE COSTS AND RETURNS		[A0] F
WHOLE FARM SUMMARY		[A0] G
TO INPUT CROP FILE DATA:	[A0] D	
TO PRINT CROP FILES:		
[A0] H ALFALFA ESTABLISHMENT	[A0] N	SUDAN HAY
[A0] I ALFALFA HAY	[A0] O	CORN SILAGE
[A0] J PERMANENT PASTURE ESTABLISHMENT	[A0] P	WHEAT FOR GRAIN
[A0] K PERMANENT PASTURE	[A0] R	BARLEY FOR GRAIN
[A0] L OAT HAY	[A0] S	CORN FOR GRAIN
[A0] M SUDAN HAY (FOLLOWING OAT HAY)	[A0] T	GREEN CHILE
[A0] X TO PRINT ENTIRE BUDGET		
PRESS [A0] THEN LETTER TO EXECUTE COMMANDS		
PRESS [A0] THEN [Q] TO SAVE FILE AND QUIT		

TABLE 1. Basic cost information for Socorro County, 2002.

Item		
Labor Wage Rate:	$/hour	5.15
Purchased Inputs:		
Fertilizer:		
Anhydrous Ammonia (NH3)	$/ton	450.00
Nitrogen (N)	$/pound	0.29
Phosphate (P2O5)	$/pound	0.20
Chile sacks	$/sack	0.35
Baling wire	$/pound	0.38
Canal water	$/acre	28.00
Energy:		
Butane	$/MCF	1.21
Diesel fuel	$/gallon	1.50
Gasoline	$/gallon	1.45
Electricity (Socorro Elec Coop)	cents/KwH	6.90
Natural Gas	$/MCF	7.22
Employee Liability Insurance	$/$1,000 wages	20.00
Employee Benefits	percent/w ages	0.18
Labor Downtime	percent	0.25
Financial Rates:		
Operating Capital Interest Rate	percent	0.07
Land Interest Rate	percent	0.06
Equipment Interest Rate	percent	0.07
Real Interest Rate	percent	0.04
Land Taxes	180.00 /acre (full value)	1.62
Personal Property Tax Rate - NR	$/$1,000 (Assessed Value)	26.96
- R		21.98
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	0.07
Vegetable Crops	percent/TOE	0.10

Table 2. Pumping Costs and Data For Irrigation Wells, Socorro County, 2002.

INPUT DATA

DELIVERY PSI:
SPRINKLER..... 0.00

GALLONS PER MINUTE (GPM)... 1,500.00
WORK HORSEPOWER..... 26.52

EFFICIENCY FACTOR:
ELECTRICITY, ... 0.45
NATURAL GAS. 0.13
BUTANE..... 0.19
DIESEL..... 0.20

FUEL COST PER UNIT:
ELECTRICITY. ..... 6.90 CENTS/K wH
NATURAL GAS. ..... 3.50 $/MCF
BUTANE..... 1.21 $/GAL
DIESEL..... 1.50 $/GAL

FUEL PUMPING COSTS:

ELECTRICAL WELL:
COST PER HOUR..... .....$ 3.08
COST PER ACRE INCH .....$ 0.93

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..... .....$ 3.62
COST PER ACRE INCH .....$ 1.09

DEPTH CHARACTERISTICS:
STATIC..... 15.00
DRAWDOWN 55.00
TOTAL HEAD..... 70
CASING... ..... 125.00

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/RIACRESUM~/RIA~/rover~/RIPUMP~{ESC}{GOTO}{HOME}~{CALC}/XQ
/RIB~{ESC}{GOTO}{HOME}~{CALC}/XQ
/RIAE~/RIAH~/RIFE~/RIPP~/rice~/RISHO~/RISH~
/rice~/RIWH~/RIBA~/RICO~/RICE~{ESC}{GOTO}{HOME}~{CALC}/XQ
/RIAES~/RIAHA~/RIPES~/RIPPA~/rice~/RISHOR~/RISHA~
/rice~/RIWHE~/RIBAR~/RICOR~/RICEH~{ESC}{GOTO}{HOME}~{CALC}/XQ

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{GOTO}Y23~{CALC}Y/F5~/RMEY
{CALC}{GOTO}AG1~/XLSTRIKE [ENTER] TO CONTINUE ~AG1~{PGDN}
/XLSTRIKE [ENTER] TO VIEW MENU ~AG1~ {HOME}
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```
MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... SOCORRO COUNTY
COUNTY , 2003.
FARM SIZE..... 200.00 ACRES
IRRIGATION TYPE... FLOOD
NUMBER OF CROPS... 10

VERSION 1.00

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BUDGET AREA..... SOCORRO COUNTY , 2002.
FARM SIZE..... 200 ACRES
IRRIGATION TYPE... FLOOD
NUMBER OF CROPS... 10
```

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE AC./IN. PER AC.	WATER USE TOTAL AC./IN.
ALFALFA ESTABLISHMENT	8.00 *	12	96.00
ALFALFA	40.00	60	2,400.00
PASTURE ESTABLISHMENT	1.00 *	12	12.00
PERMANENT PASTURE	25.00	60	1,500.00
OAT HAY	5.00	24	120.00
SUDAN HAY (ACH)	10.00 *	24	240.00
SUDAN HAY	10.00	48	480.00
CORN SILAGE	10.00	36	360.00
WHEAT	50.00	24	1,200.00
ARP	0.00		
FLEX IN SUDAN HAY	0.00	48	0.00
BARLEY	10.00	24	240.00
ARP	0.00		
FLEX IN SUDAN HAY	0.00	48	0.00
CORN	20.00	48	960.00
ARP	0.00		
FLEX IN SUDAN HAY	0.00	48	0.00
GREEN CHILE	5.00	48	240.00
ROADS & DITCHES	25.00		
TOTAL	200.0		7,848
ACRE FEET PER ACRE OF WATER RIGHTS			3.27

* DOUBLE-CROPPED

TABLE 1a. Overhead cost information for Socorro County, 2002.

ITEM		CROP ENTERPRISE	LIVESTOCK ENTERPRISE	TOTAL
Electricity (Domestic & Shop)	155.00 per month	1,860	186.00	2,046.00
Telephone	85.00 per month	1,020.00	102.00	1,122.00
Accounting & Legal		800.00		800.00
Misc. Supplies & Hand Tools		1,700.00		1,700.00
Pickup and Auto Crop Ent. Livestock Ent.				
miles 15,000.00 7725 @	0.37 per mile	5,475.00	2,819.63	8,294.63
Insurance				
- general liability (non-employee)		1,435.00	0.00	1,435.00
- fire/theft		1,090.00	0.00	1,090.00
Property Taxes				
- owned land		45.44	0.00	45.44
- other than land & machinery		480.00		480.00
Building repairs and maintenance		990.00	99.00	1,089.00
Dues, fees, publications		430.00	21.50	451.50
Farm&ead Equipment		170.00	17.00	187.00
Total		15,495	3,245	18,741
Total Per Planted Acre		88.55		

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/ppostfprint1.cc85~e~gpo~/retn1.cc85~
/vtdlapasm~bs1~/vtodoldcount~bn38~/vtotsage~bn60~
/ppostfprint1.fp81~e~gpo~/retn1.fp81~
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/PPOOFQCRRFARMSUM~A~GPQ~/xq
```

ALFALFA ESTABLISHMENT ACRES: 8 PUMP WATER:

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNIT/HR	LUBE COEF	ACCUM HOURS	AGE	INTEREST EXPENSE
TRACTOR 65 HP	5,500.00	2,400.00	40.00	1.00	500.00	4.42	0.10	7,179.90	39.00	178.75
TRACTOR 130 HP	43,600.00	13,277.00	15.00	1.00	500.00	6.63	0.10	4,885.91	21.00	1,417.00
BALEWAGON/PTO	17,000.00	1,800.00	10.00	8.00	100.00			352.50	15.00	520.00
BALER, PTO 14WRE	15,700.00	1,900.00	20.00	3.00	150.00			288.30	16.00	500.00
CULTIVATOR 4-ROW	3,000.00	1,500.00	15.00	2.00	100.00			392.70	17.00	97.50
LAND PLANE 14 FT.	5,500.00	2,750.00	15.00	4.00	100.00			390.83	17.00	178.75
DISC 12 FT	4,500.00	2,250.00	15.00	3.00	100.00			1,060.63	17.00	146.25
PLANTER 4-ROW	6,800.00	3,400.00	10.00	8.00	100.00			136.50	15.00	221.00
LISTER 4-ROW	3,200.00	1,600.00	15.00	3.00	100.00			107.10	17.00	104.00
HARROW 12 FT.	600.00	300.00	15.00	4.00	100.00			113.05	17.00	19.50
PLOW 3-BOTTOM (FLIP)	6,700.00	3,350.00	15.00	3.00	150.00			1,355.41	17.00	217.75
DRILL 10 FT.	3,600.00	1,800.00	10.00	8.00	100.00			352.50	15.00	117.00
SPRAYER 12 FT	2,750.00	1,375.00	15.00	8.00	100.00			102.00	17.00	89.38
SWATHER 14 FT.	29,000.00	3,900.00	20.00	2.00	150.00	3.12	0.20	601.60	16.00	942.50
BORDER DISC 6-DISC	1,500.00	750.00	15.00	3.00	100.00			79.90	17.00	48.75

USAGE LIST

ITEM	ALFALFA EST.	ALFALFA HAY	PERMANENT PASTURE EST.	PERMANENT PASTURE	SUDAN HAY A.O.H.	SUDAN HAY	WHEAT FOR GRAIN	BARLEY FOR GRAIN	CORN FOR GRAIN	OAT HAY	CORN SILAGE	GREEN CHILE	PER ACRE TOTALS
	hours per acre												
TRACTOR 65 HP	0.30	1.05	0.30	0.00	0.51	0.72	0.30	0.30	0.94	0.51	0.94	15.67	21.54
TRACTOR 130 HP	1.18	1.00	1.37	0.00	0.73	1.60	1.37	1.37	1.63	1.57	1.63	3.73	17.18
BALEWAGON/PTO	0.00	1.06	0.00	0.00	0.21	0.42	0.00	0.00	0.00	0.21	0.00	1.80	1.90
BALER, PTO 14WRE	0.00	1.06	0.00	0.00	0.21	0.42	0.00	0.00	0.00	0.21	0.00	1.80	1.90
CULTIVATOR 4-ROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.42	2.10	2.94
LAND PLANE 14 FT.	0.00	0.00	0.19	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.71
DISC 12 FT	0.51	0.00	0.51	0.00	0.34	0.34	0.51	0.51	0.51	0.51	0.51	4.76	26.15
PLANTER 4-ROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.26	0.26	0.78
LISTER 4-ROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.18	0.18	0.54
HARROW 12 FT.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.19	0.19	0.57
PLOW 3-BOTTOM (FLIP)	0.67	0.00	0.67	0.00	0.00	0.67	0.67	0.67	0.67	0.67	0.67	0.67	6.03
DRILL 10 FT.	0.25	0.00	0.25	0.00	0.25	0.25	0.25	0.25	0.00	0.25	0.00	0.00	1.75
SPRAYER 12 FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0.30	0.60
SWATHER 14 FT.	0.00	0.80	0.00	0.00	0.16	0.32	0.00	0.00	0.16	0.00	0.00	0.00	1.44
BORDER DISC 6-DISC	0.05	0.00	0.05	0.00	0.05	0.05	0.05	0.05	0.00	0.05	0.00	0.00	0.35

TABLE 2a. Equipment summary for a 200 acre farm with above average management, Socorro County, 2002.

ITEM & SIZE	EQUIPMENT NUMBER	ANNUAL HOURS OF USE	VARIABLE COSTS TOTAL LUBRICANT	FUEL AND REPAIR	FUEL,LUBE PER HR	REPAIR PER HR	FIXED COSTS DEPRE-CIATION	TAXES	TOTAL PER HOUR
TRACTOR 65 HP	1.00	184.10	2,400.00	1,297.89	178.21	7.05	0.97	137.50	24.71	0.88
TRACTOR 130 HP	1.00	231.71	13,277.00	2,450.30	1,091.08	10.57	4.71	2,906.67	195.91	13.39
BALEWAGON/PTO	1.00	49.35	1,800.00		135.36		2.88	365.00	34.60	8.50
BALER, PTO 14WRE	1.00	49.35	1,900.00		135.36		2.88	365.00	34.60	8.50
CULTIVATOR 4-ROW	1.00	23.10	1,500.00		27.03		1.17	200.00	13.48	9.24
LAND PLANE 14 FT.	1.00	22.99	2,750.00		7.59		0.33	366.67	24.71	17.02
DISC 12 FT	1.00	62.39	2,250.00		87.03		1.40	300.00	20.22	5.13
PLANTER 4-ROW	1.00	9.10	3,400.00		23.51		2.58	680.00	30.55	78.08
LISTER 4-ROW	1.00	6.30	1,600.00		10.08		1.60	213.33	14.38	36.14
HARROW 12 FT.	1.00	6.65	300.00		0.08		0.01	40.00	2.70	6.42
PLOW 3-BOTTOM (FLIP)	1.00	79.73	3,350.00		162.93		2.04	446.67	30.11	5.98
DRILL 10 FT.	1.00	23.50	1,800.00		53.30		2.27	360.00	16.18	16.01
SPRAYER 12 FT	1.00	6.00	1,375.00		6.27		1.05	183.33	12.36	32.62
SWATHER 14 FT.	1.00	37.60	3,900.00	204.12	98.14	5.43	2.61	1,450.00	130.31	42.03
BORDER DISC 6-DISC	1.00	4.70	750.00		4.37		0.93	100.00	6.74	22.71
			41,752	3,952	1,927			8,569	629	

INTEREST PRORATION

ITEM	ALFALFA HAY	PERMANENT PASTURE	SUDAN HAY (ACH)	SUDAN HAY	WHEAT FOR GRAIN	BARLEY FOR GRAIN	CORN FOR GRAIN	OAT HAY	CORN SILAGE	GREEN CHILE
	dollars per acre									
TRACTOR 65 HP	1.02	0.00	0.50	0.70	0.29	0.29	0.91	0.50	0.91	15.21
TRACTOR 130 HP	6.12	0.00	4.46	9.78	8.38	8.38	9.97	9.60	9.97	22.81
BALEWAGON/PTO	1.31	0.00	2.08	2.13	0.00	0.00	0.00	2.08	0.00	0.00
BALER, PTO 14WRE	1.31	0.00	2.08	2.13	0.00	0.00	0.00	2.08	0.00	0.00
CULTIVATOR 4-ROW	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	1.77	8.86
LAND PLANE 14 FT.	0.00	0.00	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
DISC 12 FT	0.00	0.00	0.80	0.80	1.20	1.20	1.20	1.20	1.20	1.20
PLANTER 4-ROW	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.00	6.31	6.31
LISTER 4-ROW	0.00	0.00	0.00	0.00	0.00	0.00	2.97	0.00	2.97	2.97
HARROW 12 FT.	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.56	0.56
PLOW 3-BOTTOM (FLIP)	0.00	0.00	0.00	1.83	1.83	1.83	1.83	1.83	1.83	1.83
DRILL 10 FT.	0.00	0.00	1.24	1.24	1.24	1.24	0.00	1.24	0.00	0.00
SPRAYER 12 FT	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	2.23	4.47
SWATHER 14 FT.	20.05	0.00	4.01	8.02	0.00	0.00	4.01	0.00	4.01	0.00
BORDER DISC 6-DISC	0.00	0.00	0.52	0.52	0.52	0.52	0.00	0.52	0.00	0.00
	43.58	0.00	16.29	30.93	14.94	14.94	29.23	23.65	29.23	65.70

ALFALFA ESTABLISHMENT ACRES: 8 PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LASER PLANE (CUSTOM)					73.33
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (3X)		3.00	0.50	1.50	

ALFALFA HAY ACRES: 40 PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
IRRIGATE (10X)		10.00	0.50	5.00	
SWATHER (5X)	14 FT.	5.00	0.16	0.80	
BALER (5X)	65 HP	5.00	0.21	1.05	
BALEWAGON (5X)	130 HP	5.00	0.20	1.00	

PASTURE ESTABLISHMENT ACRES: 1 PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (3X)		3.00	0.50	1.50	

PERMANENT PASTURE ACRES: 25 PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
IRRIGATE (10X)		10.00	0.50	5.00	

SUDAN HAY (ACH) ACRES: 10 PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (4X)		4.00	0.50	2.00	
SWATHER	14 FT.	1.00	0.16	0.16	
BALER	65 HP	1.00	0.21	0.21	
BALEWAGON	130 HP	1.00	0.20	0.20	

SUDAN HAY ACRES: 10 PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (8X)		8.00	0.50	4.00	
SWATHER (2X)	14 FT.	2.00	0.16	0.32	
BALER (2X)	65 HP	2.00	0.21	0.42	
BALEWAGON (2X)	130 HP	2.00	0.20	0.40	

WHEAT FOR GRAIN ACRES: 50 PUMP WATER:
==== === ====

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (6X)		6.00	0.50	3.00	

COMBINE (CUSTOM) PER CWT	0.67
HAUL (CUSTOM) PER CWT	0.19

BARLEY FOR GRAIN ACRES: 10 PUMP WATER:
====== === ====

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (6X)		6.00	0.50	3.00	

COMBINE (CUSTOM) PER CWT	0.67
HAUL (CUSTOM) PER CWT	0.20

CORN FOR GRAIN ACRES: 20 PUMP WATER:
==== == ====

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
SPRAYER	65 HP	1.00	0.15	0.15	
LISTER	65 HP	1.00	0.18	0.18	
PRE-IRRIGATE		1.00	0.75	0.75	
HARROW	65 HP	1.00	0.19	0.19	
PLANTER	130 HP	1.00	0.26	0.26	
CULTIVATOR (2X)	65 HP	2.00	0.21	0.42	
IRRIGATE (6X)		8.00	0.50	4.00	

COMBINE (CUSTOM) PER CWT	0.42
HAUL (CUSTOM) PER CWT	0.20

OAT HAY ACRES: 5 PUMP WATER:
=== ===

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
BORDER DISC	65 HP	1.00	0.05	0.05	
DRILL	65 HP	1.00	0.25	0.25	
IRRIGATE (5X)		5.00	0.50	2.50	
SWATHER	14 FT.	1.00	0.16	0.16	
BALER	65 HP	1.00	0.21	0.21	
BALE WAGON	130 HP	1.00	0.20	0.20	

CORN SILAGE ACRES: 10 PUMP WATER:
=== ====

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	
SPRAYER	65 HP	1.00	0.15	0.15	
LISTER	65 HP	1.00	0.18	0.18	
PRE-IRRIGATE		1.00	0.75	0.75	
HARROW	65 HP	1.00	0.19	0.19	
PLANTER	130 HP	1.00	0.26	0.26	
CULTIVATOR (2X)	65 HP	2.00	0.21	0.42	
IRRIGATE (6X)		6.00	0.50	3.00	

ENSILAGE CHOPPER (CUSTOM) PER TON	2.50
HAUL (CUSTOM)	100.00

GREEN CHILE ACRES: 5 PUMP WATER:
==== ====

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
DISC	130 HP	1.00	0.17	0.17	
PLOW	130 HP	1.00	0.67	0.67	
DISC (2X)	130 HP	2.00	0.17	0.34	
LAND PLANE	130 HP	1.00	0.19	0.19	

LISTER	65 HP	1.00	0.18	0.18	
PRE-IRRIGATE		1.00	0.75	0.75	
HARROW	65 HP	1.00	0.19	0.19	
PLANTER	130 HP	1.00	0.26	0.26	
CULTIVATOR (1X)	130 HP	10.00	0.21	2.10	
SPRAYER (2X)	65 HP	2.00	0.15	0.30	
THIN & HOE (CUSTOM)					100.00
IRRIGATE (11X)		11.00	0.50	5.50	
HARVEST (CUSTOM) GREEN PER LB					0.05
RED PER LB					0.20
HAUL & SELL	65 HP	1.00	15.00	15.00	

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
1500	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		
2000	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2500	0.00								
3000	0.00								
3500	0.00								
4000	0.00								
4500	0.00								
5000	0.00								
5500	0.00								
6000	0.00								
6500	0.00								
7000	0.00								
7500	0.00								
8000	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 Yeadbook, 1983.

Codes

1 tractors
2 balers, combines, forage harvesters, windrowers, pickups
3 rotary hoe, disks, moldboard plows, chisels, field cultivators row cultivators, laser plane
4 harrows, wagons, floats, roto buck, drag, roller, water furrow, bed shaper
5 balewagons, cotton pickers, cotton stripper, corn pickers corn heads, forage equipment, rotary mowers, stalk choppers, feed wagons, farm trucks
6 rakes, cutterbar mower
7 baler w/ engine, manure spreader
8 planters, drills, seeding equipment, mounted sprayers
9 fertilizer distributing equipment

Flex Computation 714.44 742.47 596.30 482.73 -123.77 -243.55 -85.33

* 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)

Table 3a. Livestock Production Parameters

NUMBER OF COWS	95.00
COWS PER BULL	25.00
NUMBER OF HORSES	1.00
REPLACEMENT RATE (%)	0.09
CALF DEATH LOSS (%)	0.03
YEARLING DEATH LOSS (%)	0.00
COW DEATH LOSS (%)	0.02
BULL DEATH LOSS (%)	0.00
CALF CROP (%)	0.92
PRODUCTIVE LIFE OF BULLS (YEARS)	4.00
PERCENT SOLD AS YEARLINGS:	
HEIFERS	0.00
STEERS	0.00

Table 3b. Forage Sources for Livestock

	ACRES	AUMS/ ACRE	AUMS PROVIDED
ALFALFA	40.00	1.00	40.00
PERMANENT PASTURE	25.00	15.00	375.00
SUDAN AFTER OAT HAY	10.00	1.00	10.00
SUDAN HAY	10.00	1.00	10.00
WHEAT	50.00	1.00	50.00
BARLEY	10.00	1.00	10.00
CORN	20.00	1.00	20.00
BALED HAY (TONS)		323.49	808.74
TOTAL	165.00		1,323.74

Hay Sources and Uses

Hay produced	320	Tons
Hay fed	323.494	Tons
Hay purchased	3.494	Tons
Hay sold off farm	0	Tons

MARKET PRICES & SALE WEIGHTS

LIVESTOCK CLASS	$/CWT	LBS.
CULL COWS	38.00	885.00
CULL BULLS	40.00	1,475.00
YEARLING HEIFERS	92.00	485.00
YEARLING STEERS	102.00	525.00
HEIFER CALVES	104.00	420.00
STEER CALVES	112.00	470.00
OTHER INCOME		
(NON-FARM)	0.00	0.00

Source: USDA Ag. Marketing Service: Livestock, Poultry, Grain & Seed Div.
Livestock Detailed Quotations (ANNUAL) Form LPGS-214-1 (12-79)

FORAGE COST

FORAGE TYPE	Unit	$/Unit
ALFALFA	AUM	10.00
PERMANENT PASTURE	AUM	24.00
SUDAN AFTER OAT HAY		10.00
SUDAN HAY		10.00
WHEAT		10.00
BARLEY		10.00
CORN		10.00
OAT HAY		
NATIVE RANGELAND	AUM	1.35

ARROW DOWN TO CONTINUE COST

NON-LEASE COST	UNIT	$/UNIT	ANNUAL COST
ADDITIONAL OPERATOR LABOR			
260.00 HOURS OPERATOR LABOR		5.15	2,034.25
HIRED LABOR			
0.00 HOURS FULL-TIME EMPLOYEES		5.00	0.00
0.00 HOURS SEASONAL		0.00	0.00
UPPL. FEEDS			
323.49 PUCHASED HAY	TONS	245.00	79,256.03
0.00 GRAIN	TONS	0.00	0.00
0.00 GRAIN CUBES	TONS	0.00	0.00
1.90 PROTEIN SUPPLEMENTS (T	TONS	245.00	465.50
0.76 SALT & MINERALS	TONS	210.00	159.60
0.00 BULLS PURCHASED	HEAD	1,500.00	0.00
L & REPAIRS	ANNUAL	0.00	----
MAINTENANCE	ANNUAL	0.00	----
/ & MEDICINE	ANNUAL	815.00	----
PREGNANCY TEST	ANNUAL	200.00	----
TOCK TAXES	ANNUAL	16.82	----
CELLANEOUS	ANNUAL	0.00	----

CAPITAL COST	INVESTMENT	INTREST RATE
Machinery, improvements and buildings	72400	0.07
Cattle	9125	0.07
Land	0	0.06

```
*****  ************************************************ *
*   MAKE SURE THAT PRINTER IS TURNED ON              *
*                                                    *
*              AND                                   *
*                                                    *
*   PAPER IS ALIGNED AT TOP OF PAGE                  *
*****  ************************************************ *

*** When ready strike ENTER to continue ***
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PARTIAL BUDGET PROGRAM
for
LIVESTOCK ENTERPRISE

Table 16. Livestock Enterprise, cost and returns for a 200 acre farm with livestock as the primary enterprise, with above average management, Socorro County, 2002.

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
35.15	HEIFER CALVES	104.00	4.20	15,288.00	160.93	138.59
43.70	STEER CALVES	112.00	4.70	23,161.60	243.81	209.97
1.00	BULLS	40.00	14.75	590.00	6.21	5.35
7.00	CULL COWS	38.00	8.85	2,354.10	24.78	21.34
1,308.74	MANURE	0.13	8.00	1,308.74	13.78	11.86
	TOTAL			42,702.44	449.50	387.11

NUMBER	PURCHASED INPUTS	Unit	$/Unit	Total	Guideline Value ($/Cow)	Guideline Value ($/AU)
	FORAGE:					
40.00	ALFALFA	AUM	10.00	400.00	4.21	3.63
375.00	PERMANENT PASTURE	AUM	24.00	9,000.00	94.74	81.59
10.00	SUDAN AFTER OAT HAY	AUM	10.00	100.00	1.05	0.91
10.00	SUDAN HAY	AUM	10.00	100.00	1.05	0.91
50.00	WHEAT	AUM	10.00	500.00	5.26	4.53
10.00	BARLEY	AUM	10.00	100.00	1.05	0.91
20.00	CORN	AUM	10.00	200.00	2.11	1.81
	SUBTOTAL			10,200	107	92
	LABOR, FEED, LIVESTOCK:	Unit	$/Unit	Total	Guideline Value ($/Cow)	Guideline Value ($/AU)
1.90	PROTEIN SUPPLEMENT	TON	245	465.5	4.90	4.22
0.76	SALT & MINERALS	TON	210.00	159.60	1.68	1.45
323.49	HAY	TON	245.00	79,256.03	834.27	718.48
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		815.00	8.58	7.39
0.00	BULLS PURCHASED	HEAD	######	0.00	0.00	0.00
	LIVESTOCK TAXES	ANNUAL		16.82	0.18	0.15
	MAINTENANCE	ANNUAL		0.00	0.00	0.00
103.55	PREGNANCY TEST	HEAD	2.00	207.10	2.00	1.88
150.10	LABOR	HOUR	5.00	750.50	7.90	6.80
86.85	BEEF CHECKOFF PROGRAM	HEAD	1.00	86.85	0.91	0.79
	MISCELLANEOUS	ANNUAL		0.00	0.00	0.00
	SUBTOTAL			81,757.40	860.42	741.15

OVERHEAD EXPENSES			
EMPLOYEE BENEFITS	0.00	0.00	0.00
INSURANCE	0.00	0.00	0.00
DEPRECIATION	522.50	5.50	4.74
SUPERVISION AND MANAGEMENT	0.00	0.00	0.00
OTHER EXPENSES	3,245.13	34.16	29.42
SUBTOTAL	3,767.63	39.66	34.15
TOTAL OPERATING EXPENSES	95,725.03	1,007.63	867.77
NET OPERATING PROFIT	-53,022.59	-558.13	-480.66
CAPITAL COST			
INTEREST ON OPERATING CAPITAL	2,948.55	31.04	26.73
INTEREST ON MACHINERY AND IMPROVEMENTS	593.13	6.24	5.38
INTEREST ON LIVESTOCK	0.00	0.00	0.00
TOTAL CAPITAL COST	3,541.67	37.28	32.11
RETURN TO RISK	-56,564.27	-595.41	-512.77
RATE OF RETURN ON INVESTMENT	-0.65		

BUDGET SUMMARY

	Total	$/Cow
GROSS RETURN	42,702.44	
VARIABLE OPERATING EXPENSES	91,957.40	
RETURN OVER VARIABLE EXPENSES	-49,254.97	
FIXED EXPENSES	3,767.63	
NET FARM INCOME	-53,022.59	
LABOR AND MANAGEMENT COST	0.00	
NET OPERATING PROFIT	-53,022.59	
CAPITAL COST	3,541.67	
RETURN TO LAND AND RISK	-56,564.27	

SUMMARY	Total	$/Cow
ANNUAL CASH RETURNS	######	449.50
ANNUAL CASH COSTS	######	1,007.63
DEPRECIATION COSTS	522.50	5.50
TOTAL COSTS	######	958.13
LOAN SERVICE COSTS	######	37.28
NET RETURN FOR FAMILY LIVING EXPENSES	######	-595.41
LAND APPRECIATION (DEPRECIATION)	0.00	0.00
PAYMENT TO MORTGAGE PRINCIPLE	0.00	0.00
GROSS PROCEEDS TO RANCH INVESTMENT	######	-595.41
VALUE OF OPERATOR & FAMILY MANAGEMEI	0.00	0.00
NET PROCEEDS TO OWNED RANCH CAPITAL	######	-595.41
PERCENT RETURN ON OWNED CAPITAL	#REF!	----

```
Main Menu
INPUT     VIEW     PRINT     STOCK-COUNT  QUIT          CALC          SAVE
Livestock, R-Inventory, B-Everything,  Stock Count Cha Exit CMD MENU rotn Calculate while stayin Save The file as a new worksheet
/rua811~hv~{jotc|btle~/~/xmynm1~  {jotc|btle~/xmacum~                  {jalc|jbjx|btle~/xmn.fldjxa}
/xEtrsn Ranch Name: ~a811~/ca1~/p11~
/rpa811~/sy811~{jotc|btle~/xmother~
                                                                                                                                  {jotc|btle~/xmain~}
                                                                                                                                  {jotc|btle~/xmain~}
Input Menu
Livestock   Forage    Market    Costs     Borrowing     F.Balance     Return
Input Livestc Input forage Input market Input production  Input loan service info Input forage balance I Return to main menu
/rlivestock~/rforage~/p.mmarket~/p /rrcost~/jotc|btle {jotc|jx818~/rborrow~/xglosp5~                    {jotc|btle~/xmain~}
/ix0100/x0~/XMOTHER~                                  /XX#919=/x~{JOTC|SERRMS5~/jLEFT}~/jTC~/XGJB24~
/xmother~                                             {jotc|borrow~{CALC}~/XMOTHER~
View Menu
Inventory   Budget    Summary   Prod      Borrowing     Forage        F.Balance     Return
View stock c View modelS Summary cr Summay of livel View Loan Service View Available Forag View Forage Return to main menu
{jotc|xc1~|j {jotc|budx1~/rsummary~/rrefhc~{jotc|btle /rua919~/rbuy2~/rpa8 /rforgeu92~{jotc|btle~{jotc|bofux~{jotc|btle~/xmain~
Print Menu
TABLES-(A Inventory   Budget    Summary   Production    Return
Prnt everyt Print livesto Print modelS Print summary of Print Summary of live Return to main menu
/tspinter~/p.tspinter~/p.tspinter~/p.tspinter~/pocrop /spinter~/pporpgrbpr~ {jotc|btle~/xmain~
cmpr/bdgt~/xmdl0~/dd27/01/0227~p88~/gagrajex}~/jlllllllllll/xmprint~
SERIAL MENU
9600      SET       RETURN                                                  prints menu
Baud rate s Set new Bau Return to MAIN MENU.                              Parallel          SERIAL
/WGDP28C/WGDP2(?) {GOTO|TITLE~/XMAIN~                                     THE PRINTER IS CO# THE PRINTER IS CONNECTED THROUGH A SERIAL PORT
                                                                          /wgdp1pg/XMPRINT~ /XMSERIAL~
Scount Menu
Create    Return
Create Stoc Return to MAIN MENU
/wgpd/xgbc {jotc|btle~/xmain~
*** STOCK COUNT CHART CREATION MACROS ***
{lalc|jGOTO|jAC811~/REAC811.AJB30~/rel945.h956~/reAq811.Ar822~/rpaq817.ah828~
{GOTO|AC811~
        JANUARY--------{down}
        FEBRUARY-------{down}
        MARCH----------{down}
        APRIL----------{down}
        MAY------------{down}
        JUNE-----------{down}
        JULY-----------{down}
        AUGUST---------{down}
        SEPTEMBER------{down}
        OCTOBER--------{down}
        NOVEMBER       {down}
        DECEMBER       {down}{down}{down}{down}{jgcup}
PLEASE ENTER THE APPROPRIATE NUMERICAL EQUIVALENTS:-{DOWN}
        Calves/Born ==================== 0 -{down}
        No Forage Consumption by Calves ===> 1 -{down}
        Calves on Forage ================= 2 -{down}
        Yearlings on Forage ============== 3 -{jgcup}
/RUAG817.ag828~/rAG817.Ar822~/rAq811.AQR22~/reAc812.Ac812~{down}
/xsa812c0~/xgtrsp~
{jotc|jac811~{down}
        Yearlings on Forage ============== 3 -{jgcup}
/rpag817.ag828~/rsah817.ah828~/RFOR1~/CAN817.AN828~/A811.Ar822~
/REAC811.AJB30~/rsag817.ah828~{GOTO|AC819~
                PLEASE WAIT FOR CALCULATION ~{PGUP}
/Xlag811=0~/Ca945~/l939~
/Xlag812=0~/Ca946~/l939~
/Xlag813=0~/Ca947~/l939~
/Xlag814=0~/Ca948~/l939~
/Xlag815=0~/Ca949~/l939~
/Xlag816=0~/Ca950~/l939~
/Xlag817=0~/Ca951~/l939~
/Xlag818=0~/Ca952~/l939~
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/Xlag820=0~/Ca954~/l939~
/Xlag821=0~/Ca955~/l939~
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/Xlag813=1~/Ne947.H947~
/Xlag814=1~/Ne948.H948~
/Xlag815=1~/Ne949.H949~
/Xlag816=1~/Ne950.H950~
/Xlag817=1~/Ne951.H951~
/Xlag818=1~/Ne952.H952~
/Xlag819=1~/Ne953.H953~
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/Xlag821=1~/Ne955.H955~
/Xlag822=1~/Ne956.H956~
/Xlag811=2~/Ca817~/Ne945~/cam817=h945~
/Xlag812=3~/Ca817~/Ne946~/cam817=h946~
/Xlag813=3~/Ca817~/Ne947~/cam817=h947~
/Xlag814=3~/Ca817~/Ne948~/cam817=h948~
/Xlag815=3~/Ca817~/Ne949~/cam817=h949~
/Xlag816=3~/Ca817~/Ne950~/cam817=h950~
/Xlag817=3~/Ca817~/Ne951~/cam817=h951~
/Xlag818=3~/Ca817~/Ne952~/cam817=h952~
/Xlag819=3~/Ca817~/Ne953~/cam817=h953~
/Xlag820=3~/Ca817~/Ne954~/cam817=h954~
/Xlag821=3~/Ca817~/Ne955~/cam817=h955~
/Xlag822=3~/Ca817~/Ne956~/cam817=h956~
/Xlag811=0~/Ca813~/l945~
/Xlag812=0~/Ca813~/l946~
/Xlag813=0~/Ca813~/l947~
/Xlag814=0~/Ca813~/l948~
/Xlag815=0~/Ca813~/l949~
/Xlag816=0~/Ca813~/l950~
/Xlag817=0~/Ca813~/l951~
/Xlag818=0~/Ca813~/l952~
/Xlag819=0~/Ca813~/l953~
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/Xlag821=0~/Ca813~/l955~
/Xlag822=0~/Ca813~/l956~
/Xlag823=0~/XGloop4~
/Xlag811=3~/Can820~/l945~
/Xlag812=3~/Can820~/l946~
/Xlag813=3~/Can820~/l947~
/Xlag814=3~/Can820~/l948~
/Xlag815=3~/Can820~/l949~
/Xlag816=3~/Can820~/l950~
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/Xlag818=3~/Can820~/l952~
/Xlag819=3~/Can820~/l953~
/Xlag820=3~/Can820~/l954~
/Xlag821=3~/Can820~/l955~
/Xlag822=3~/Can820~/l956~
/reac811.ajB30~/jotc|btle~/wgpe|jalc|~/xmain~
```

Table 3a. STOCK COUNT CHART

SEASON	BULLS 1.40	COWS 1.00	HEIFERS 0.70	STEERS 0.70	YEARLING HEIFERS 0.70	YEARLING STEERS 0.50	HEIFER CALVES 0.50	HORSES 1.25	TOTAL AUMs REQUIRED
JANUARY	3.80	95.00					9.00	1.00	108.07
FEBUARY	3.80	95.00				0.00	9.00	1.00	106.07
MARCH	3.80	95.00	8.55					1.00	107.56
APRIL	3.80	95.00	8.55					1.00	107.56
MAY	3.80	95.00	8.55					1.00	107.56
JUNE	3.80	95.00	8.55					1.00	107.56
JULY	3.80	95.00	8.55					1.00	107.56
AUGUST	3.80	95.00	8.55					1.00	107.56
SEPTEMBER	3.80	95.00	8.55					1.00	107.56
OCTOBER	3.80	95.00				45.00	45.00	1.00	106.07
NOVEMBER	3.80	95.00				0.00	9.00	1.00	106.07
DECEMBER	3.80	95.00				0.00	9.00	1.00	106.07
									1,323.74

Table 3d. FORAGE BALANCE CHART

	REPLACEMENT AUMs REQUIRED	ALFALFA	PASTURE	SUDAN ADH	SUDAN HAY	WHEAT	BARLEY	CORN	TOTAL AUMs SUPPLIED	HAY
JANUARY	108.07	10.00	0.00	0.00	0.00	0.00	0.00	10.00	20.00	86.07
FEBRUARY	106.07	10.00	0.00	0.00	0.00	0.00	0.00	10.00	20.00	86.07
MARCH	107.56	0.00	2.50	0.00	0.00	0.00	0.00	0.00	2.50	105.06
APRIL	107.56	0.00	2.50	0.00	0.00	0.00	0.00	0.00	2.50	105.06
MAY	107.56	0.00	87.50	0.00	0.00	0.00	0.00	0.00	87.50	20.06
JUNE	107.56	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00	7.55
JULY	107.56	0.00	100.00	0.00	0.00	0.00	0.00	0.00	100.00	7.55
AUGUST	107.56	0.00	50.00	0.00	0.00	0.00	0.00	0.00	50.00	57.56
SEPTEMBER	107.56	0.00	25.00	0.00	0.00	0.00	0.00	0.00	25.00	82.56
OCTOBER	106.07	0.00	2.50	5.00	5.00	5.00	5.00	0.00	22.50	83.57
NOVEMBER	106.07	10.00	2.50	5.00	5.00	5.00	5.00	0.00	32.50	73.57
DECEMBER	106.07	10.00	2.50	5.00	5.00	5.00	5.00	0.00	42.50	63.57
Total AUMs	1,323.74	40.00	375.00	10.00	10.00	10.00	10.00	20.00	515.00	808.74

Replacemen	(Born) 9.00	Steers N/S Heifers N/S Rep. Heif	0.00 0.00 9.00	0.00	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	3.00 3.00 3.00 1.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00	
	Steers	Heifers					
Calfcrop/2	43.70	43.70					
Sale yrls	0.00	9.00					1W
less death	42.00	33.00					
Repl heifers		8.55					
sale yrls hef		0.00					
% calves sold as Yrls							
Heifers	0.00						
Steers	0.00						
hold yrls	0.00						

PRODUCTION EFFICIENCY 1,323.74

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=========== ========== ============ ========== ========== ============ ========== ==========
POUNDS OF BEEF SOLD PER ACRE ..........                                   777.86
POUNDS OF BEEF SOLD PER MATURE COW .......                                388.93
WEANING WEIGHTS:
 STEER CALVES ..........................                                470.00
 HEIFER CALVES .........................                                420.00
CALVING RATE (%) ......................                                   0.92
DEATH LOSS:
CALF DEATH LOSS (%) ...................                                   0.03
YEARLING DEATH LOSS (%) ...............                                   0.00
COW DEATH LOSS (%) ....................                                   0.02
BULL DEATH LOSS (%) ...................                                   0.00
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LOAN SERVICE INFORMATION
=========== ========== ============ ========== ========== ============ ========== ==========
                                                                      Loan #1    Loan #2    Loan #3    Loan #4
=========== ========== ============ ========== ========== ============ ========== ==========
YEAR OF LOAN                                                          1,987.00   1,987.00   1,987.00   1,987.00
L STATEMENT YEAR                                                      1,989.00   1,989.00   1,989.00   1,989.00
AMOUNT OF LOAN                                                            0.00       0.00       0.00       0.00
ANNUAL INTEREST RATE                                                      0.01       0.01       0.01       0.01
NO. OF YEARS                                                              0.00       0.00       0.00       0.00
=========== ========== ============ ========== ========== ============ ========== ==========
REMAINING BALANCE:                                                        0.00       0.00       0.00       0.00
INCIPLE DUE:                                                              0.00       0.00       0.00       0.00
TEREST DUE:                                                           FALSE      FALSE      FALSE      FALSE
=========== ========== ============ ========== ========== ============ ========== ==========
* First loan payment is 1 year after the year of the loan. Therefore,
 year of loan.
=========== ========== ============ ========== ========== ============ ========== ==========
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|                                                                                            |
|                                                                                            |
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Table 2. Pumping Costs and Data For Irrigation Wells, Socorro County, 2002.

INPUT DATA

DELIVERY PSI:
SPRINKLER... 0.00

DEPTH CHARACTERISTICS:
STATIC... ..... 15.00
DRAW DOWN..... 55.00
TOTAL HEAD..... 70
CASING... ..... 125.00

GALLONS PER MINUTE (GPM)... 1,500.00
WORK HORSEPOWER..... 26.52

EFFICIENCY FACTOR:
ELECTRICITY. 0.45
NATURAL GAS. 0.13
BUTANE..... 0.19
DIESEL..... 0.20

FUEL COST PER UNIT:
ELECTRICITY. ..... 9.82 CENTS/K w/H
NATURAL GAS. ..... 3.50 $/MCF
BUTANE..... 1.10 $/GAL
DIESEL..... 1.40 $/GAL

FUEL PUMPING COSTS:

ELECTRICAL WELL:
COST PER HOUR..... $ 4.38
COST PER ACRE INCH ..... $ 1.32

NATURAL GAS WELL:
COST PER HOUR..... $ 2.10
COST PER ACRE INCH ..... $ 0.63

BUTANE WELL:
COST PER HOUR..... $ 4.37
COST PER ACRE INCH ..... $ 1.32

DIESEL WELL:
COST PER HOUR..... $ 3.38
COST PER ACRE INCH ..... $ 1.02

TABLE 2a. Equipment summary for a 200 acre farm with above average management, Socorro County, 2002.

EQUIPMENT			VARIABLE COSTS						FIXED COSTS		
ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL AND LUBRICANT	REPAIR	FUEL,LUBE PER HR.	REPAIR PER HR.	DEPRE-CIATION	TAXES	TOTAL PER HOUR
TRACTOR 65 HP	184.10	1.00	2,000.00	1,338.51	178.21	7.27	0.97	137.50	26.51	0.89
TRACTOR 130 HP	231.71	1.00	13,270.00	2,281.31	1,091.08	9.85	4.71	2,906.67	210.15	13.45
BALEWAGON PTO	47.00	1.00	2,010.00		248.16		5.28	800.00	77.12	18.66
BALER, PTO 2-WIRE	49.35	1.00	1,780.00		45.60		0.92	385.00	37.11	8.55
CULTIVATOR 4-ROW	23.10	1.00	1,500.00		27.03		1.17	200.00	14.46	9.28
LAND PLANE 14 FT.	22.99	1.00	2,750.00		7.59		0.33	366.67	26.51	17.10
DISC 12 FT	62.39	1.00	2,250.00		87.03		1.40	300.00	21.69	5.16
PLANTER 4-ROW	9.10	1.00	3,400.00		23.51		2.58	680.00	32.78	78.33
LISTER 4-ROW	6.30	1.00	1,600.00		10.08		1.60	213.33	15.42	36.31
HARROW 12 FT.	6.65	1.00	300.00		0.08		0.01	40.00	2.89	6.45
HARROW 12 FT TOM (FLIP)	29.55	1.00	1,800.00		53.30		2.01	240.00	17.35	6.01
DRILL 10 FT	7.50	1.00	2,800.00		62.32		2.07	380.00	27.46	16.66
SPRAYER 12 FT	6.00	1.00	1,375.00		6.27		1.05	183.33	13.26	32.76
SWATHER 14 FT.	37.80	1.00	6,000.00	190.05	98.14	5.05	2.61	1,450.00	139.78	42.28
BORDER DISC 6-DISC	4.70	1.00	750.00		4.37		0.93	100.00	7.23	22.81
			44,135	3,810	2,043			8,569	675	

PERSONNEL DEPT. ANNOUNCEMENTS

	PAYLOAD	DEPARTURE	ARRIVAL	MISSION	ORBIT	ORBITAL	LAUNCH
		DATE	DATE				SITE
ARIANE 44L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ARIANE 44LP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ARIANE 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS I	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS IIA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS IIAS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS IIIB	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS IIIBSTAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ATLAS IIIBSTAR-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BAC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CZ-2C	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CZ-2D	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CZ-3A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CZ-3B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DELTA II 7925-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 2. Equipment summary for a 200 acre farm with above average management, Socorro County, 2002.

EQUIPMENT				VARIABLE COSTS					FIXED COSTS		
ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL AND LUBRICANT	REPAIR	FUEL,LUBE PER HR	REPAIR PER HR	DEPRE-CIATION	TAXES	TOTAL PER HOUR
TRACTOR 65 HP	190.43	1.00	2,050.00	1,018.46	169.67	5.35	0.89	137.50	27.19	0.86
TRACTOR 96 HP	259.34	1.00	6,750.00	1,446.62	470.13	5.58	1.81	343.33	50.92	1.52
BALEWAGON PTO	50.00	1.00	5,000.00		248.00		4.96	800.00	79.09	17.58
BALER, PTO 2-WIRE	52.50	1.00	2,150.00		44.47		0.85	385.00	38.06	8.06
CULTIVATOR 4-ROW	21.84	1.00	1,500.00		25.55		1.17	200.00	14.83	9.84
LAND PLANE 14 FT.	25.84	1.00	2,750.00		8.53		0.33	366.67	27.19	15.24
PLANTER FT.	70.21	1.00	2,250.00		101.10		1.44	300.00	22.25	4.59
PLOW 3-ROW	6.74	1.00	1,600.00		1.58		0.23	213.33	15.82	3.77
LISTER 4-ROW	5.76	1.00	1,600.00		11.43		1.98	213.33	15.82	95.78
HARROW 12 FT.	6.08	1.00	300.00		0.07		0.01	40.00	2.97	7.07
PLOW 3-BOTTOM (PLIP)	94.47	1.00	3,350.00		193.05		2.04	446.67	33.12	5.08
DRILL 10 FT.	28.50	1.00	1,800.00		64.64		2.27	360.00	17.80	13.26
SPRAYER 12 FT	5.55	1.00	1,375.00		3.66		0.66	183.33	13.59	35.48
SWATHER 14 FT.	40.00	1.00	7,460.00	164.74	81.20	4.12	2.03	1,450.00	143.36	39.83
BORDER DISC 6-DISC	5.70	1.00	750.00		5.30		0.93	100.00	7.42	18.84
			42,485	2,630	1,440			6,006	527	

TABLE 3. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2002.
Planting dates: August 15 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS	TOTAL
PURCHASED INPUTS				
SEED	2.65	20.00 LBS	53.00	53.00
NITROGEN (N)	0.35	40.00 LBS	14.00	14.00
PHOSPHATE (P2O5)	0.20	90.00 LBS	18.00	18.00
CANAL WATER		12.00 AC. IN.		
SUBTOTAL			85.00	85.00

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	96 HP	0.17 HR		0.81	0.95	0.55	1.04	3.35
PLOW	96 HP	0.67 HR		3.18	3.74	2.58	4.42	13.92
DISC (2X)	96 HP	0.34 HR		1.62	1.90	1.11	2.08	6.69
LASER PLANE (CUSTOM)			73.33					73.33
BORDER DISC	65 HP	0.05 HR		0.24	0.27	0.09	0.99	1.58
DRILL	65 HP	0.25 HR		1.19	1.34	0.79	3.53	6.84
IRRIGATE (3X)		1.50 HR		7.13				7.13
SUBTOTAL		2.98 HR	73.33	14.16	8.19	5.12	12.05	112.85
OVERHEAD EXPENSES								
DOWNTIME		1.18 HR		5.62				5.62
EMPLOYEE BENEFITS				2.55				2.55
INSURANCE			0.28					0.28
SUPERVISION AND MANAGEMENT				16.09				16.09
SUBTOTAL		1.18 HR	0.28	24.25				24.54
TOTAL OPERATING EXPENSES		4.16 HR	158.61	38.41	8.19	5.12	12.05	222.39

TABLE 1. Basic cost information for Socorro County Projected 2013.

Item			
Labor Wage Rate:	$/hour		7.25
Purchased Inputs:			
Fertilizer:			
Anhydrous Ammonia (NH3)	$/ton		830.00
Nitrogen (N)	$/pound		0.61
Phosphate (P205)	$/pound		0.60
Chile sacks	$/sack		0.35
Baling wire	$/pound		0.91
Canal water	$/acre		54.00
Energy:			
Butane	$/MCF		3.05
Diesel fuel	$/gallon		3.00
Gasoline	$/gallon		3.80
Electricity (Socorro Elec Coop)	cents/KwHr		9.14
Natural Gas	$/MCF		4.01
Employee Liability Insurance	$/$1,000	wages	20.00
Employee Benefits	percent/w	ages	18.00%
Labor Downtime	percent		25.00%
Financial Rates:			
Operating Capital Interest Rate	percent		5.00%
Land Interest Rate	percent		5.00%
Equipment Interest Rate	percent		5.00%
Real Interest Rate	percent		4.00%
Land Taxes	180 /acre (full value)		1.90
Personal Property Tax Rate - NR	$/$1,000	(Assessed	28.93
- R		Value)	25.45
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..... SOCORRO COUNTY Projected 2013.
FARM SIZE..... 200 ACRES
IRRIGATION TYPE... FLOOD
NUMBER OF CROPS... 10

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE AC.IN. PER AC.	WATER USE TOTAL AC.IN.
ALFALFA ESTABLISHMENT	8.0 *	12	96
ALFALFA	40.0	60	2,400
PASTURE ESTABLISHMENT	1.0 *	12	12
PERMANENT PASTURE	25.0	60	1,500
OAT HAY	5.0	24	120
SUDAN HAY (AOH)	10.0 *	24	240
SUDAN HAY	10.0	48	480
CORN SILAGE	10.0	36	360
WHEAT	50.0	24	1,200
ARP	0.0		
FLEX IN SUDAN HAY	0.0	48	0
BARLEY	10.0	24	240
ARP	0.0		
FLEX IN SUDAN HAY	0.0	48	0
CORN	20.0	48	960
ARP	0.0		
FLEX IN SUDAN HAY	0.0	48	0
GREEN CHILE	5.0	48	240
ROADS & DITCHES	25.0		
TOTAL	200.0		7,848
ACRE FEET PER ACRE OF WATER RIGHTS			3.27

* DOUBLE-CROPPED

TABLE 2a. Equipment summary for a 200 acre farm with above average management, Socorro County, 2006.

EQUIPMENT				VARIABLE COSTS				FIXED COSTS		
ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL AND LUBRICANT	REPAIR	FUEL,LUBE PER HR	REPAIR PER HR	DEPRE-CIATION	TAXES	TOTAL PER HOUR
TRACTOR 65 HP	184	1	2,400	1,208	178	6.56	0.97	138	29	0.90
TRACTOR 130 HP	232	1	12,325	2,281	1,091	9.85	4.71	2,907	230	13.54
BALEWAGON PTO	47	1	1,650		135		2.88	800	84	18.81
BALER, PTO 2-WIRE	49	1	1,500		42		0.85	385	41	8.62
CULTIVATOR 4-ROW	23	1	1,500		27		1.17	200	16	9.34
LAND PLANE 14 FT.	23	1	2,750		8		0.33	367	29	17.21
DISC 12 FT	62	1	2,250		87		1.40	300	24	5.19
PLANTER 4-ROW	9	1	3,400		24		2.58	680	36	78.66
LISTER 4-ROW	6	1	1,600		10		1.60	213	17	36.54
HARROW 12 FT.	7	1	300		0		0.01	40	3	6.49
PLOW 3-BOTTOM (FLIP)	80	1	3,350		163		2.04	447	35	6.04
DRILL 10 FT.	24	1	1,800		53		2.27	360	19	16.13
SPRAYER 12 FT	6	1	1,375		6		1.05	183	14	32.97
SWATHER 14 FT.	38	1	6,000	190	98	5.05	2.61	1,450	153	42.63
BORDER DISC 6-DISC	5	1	750		4		0.93	100	8	22.96
			42,950	3,680	1,927			8,569	737	

Table 3a. Livestock Production Parameters

NUMBER OF COWS	95
COWS PER BULL	25
NUMBER OF HORSES	1
REPLACEMENT RATE (%)	0.09
CALF DEATH LOSS (%)	0.03
YEARLING DEATH LOSS (%)	0
COW DEATH LOSS (%)	0.02
BULL DEATH LOSS (%)	0
CALF CROP (%)	0.92
PRODUCTIVE LIFE OF BULLS (YE/	4
PERCENT SOLD AS YEARLINGS:	
HEIFERS	0
STEERS	0

Table 3b. Forage Sources for Livestock

	ACRES	AUMS/ ACRE	AUMS PROVIDED
ALFALFA	40	1	40
PERMANENT PASTURE	25	15	375
SUDAN AFTER OAT HAY	10	1	10
SUDAN HAY	10	1	10
WHEAT	50	1	50
BARLEY	10	1	10
CORN	20	1	20
BALED HAY (TONS)		323.494	808.735
TOTAL	165		1323.735

Table 3c. STOCK COUNT CHART CALVES WERE BORN IN: MARCH

SEASON	BULLS 1.4	REPLACEMENT COWS 1	REPLACEMENT HEIFERS 0.7	YEARLING STEERS 0.7	YEARLING HEIFERS 0.7	STEERS CALVES 0.5	HEIFER CALVES 0.5	HORSES 1.25	TOTAL AUMs REQUIRED
JANUARY	3.8	95				0	9	1	106.07
FEBUARY	3.8	95				0	9	1	106.07
MARCH	3.8	95	8.55					1	107.555
APRIL	3.8	95	8.55					1	107.555
MAY	3.8	95	8.55					1	107.555
JUNE	3.8	95	8.55					1	107.555
JULY	3.8	95	8.55					1	107.555
AUGUST	3.8	95	8.55					1	107.555
SEPTEMBER	3.8	95	8.55					1	107.555
OCTOBER	3.8	95				45	45	1	146.57
NOVEMBER	3.8	95				0	9	1	106.07
DECEMBER	3.8	95				0	9	1	106.07
									1323.735

Table 3d. FORAGE BALANCE CHART

	TOTAL AUMs REQUIRED	ALFALFA	PASTURE	SUDAN AOH	SUDAN HAY	WHEAT	BARLEY	CORN	TOTAL AUMs SUPPLIED	HAY
JANUARY	106.07	10	0	0	0	0	0	10	20202020	86.0786.07
FEBRUARY	106.07	10	0	0	0	0	0	10	20	86.07
MARCH	107.555	0	2.5	0	0	0	0	0	2.5	105.055
APRIL	107.555	0	2.5	0	0	0	0	0	2.5	105.055
MAY	107.555	0	87.5	0	0	0	0	0	87.5	20.055
JUNE	107.555	0	100	0	0	0	0	0	100	7.555
JULY	107.555	0	100	0	0	0	0	0	100	7.555
AUGUST	107.555	0	50	0	0	0	0	0	50	57.555
SEPTEMBER	107.555	0	25	0	0	0	0	0	25	82.555
OCTOBER	146.57	0	2.5	5	5	0	0	0	12.5	134.07
NOVEMBER	106.07	10	2.5	5	5	25	5	0	52.5	53.57
DECEMBER	106.07	10	2.5	0	0	25	5	0	42.5	63.57
Total AUMs	1323.735	40	375	10	10	50	10	20	515	808.735

TABLE 4. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: August 15 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS	TOTAL
PURCHASED INPUTS				
SEED	2.95	20.00 LBS	59.00	59.00
NITROGEN (N)	0.29	40.00 LBS	11.60	11.60
PHOSPHATE (P2O5)	0.20	90.00 LBS	18.00	18.00
CANAL WATER		12.00 AC. IN.		
SUBTOTAL			88.60	88.60

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17 HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67 HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34 HR		1.75	3.60	2.08	6.30	13.72
LASER PLANE (CUSTOM)			73.33					73.33
BORDER DISC	65 HP	0.05 HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25 HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (3X)		1.50 HR		7.73				7.73
SUBTOTAL		2.98 HR	73.33	15.35	14.59	8.54	27.83	139.64
OVERHEAD EXPENSES								
DOWNTIME		1.18 HR		6.09				6.09
EMPLOYEE BENEFITS				2.76				2.76
INSURANCE			0.31					0.31
SUPERVISION AND MANAGEMENT				18.22				18.22
SUBTOTAL		1.18 HR	0.31	27.07				27.38
TOTAL OPERATING EXPENSES		4.16 HR	162.24	42.42	14.59	8.54	27.83	255.61

TABLE 5. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County Projected 2013.
Harvest dates: May 15 - October 15

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
ALFALFA HAY	245.00	5.50	TONS (STACKED)	1,347.50
GRAZING	10.00	1.00	AUM	10.00
TOTAL				1,357.50

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
NITROGEN (N)	0.61	40.00	LBS	54.00		54.00
PHOSPHATE (P2O5)	0.60	90.00	LBS	30.54		30.54
INSECTICIDE (CUSTOM)	30.54	1.00	ACRE	30.54		30.54
WIRE	0.91	47.14	LBS	42.89		42.89
ESTABLISHMENT: Principal		5.00	YEARS		51.12	51.12
: Interest					9.26	9.26
CANAL WATER		60.00	AC. IN.		28.00	28.00
SUBTOTAL				157.97	88.38	246.35

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (10X)		5.00	HR		25.75				25.75
SUBTOTAL		5.00	HR		25.75				25.75
HARVEST OPERATIONS									
SWATHER (5X)	14 FT.	0.80	HR		4.12	4.34	2.09	33.62	44.17
BALER (5X)	65 HP	1.05	HR		5.41	7.40	1.91	9.85	24.57
BALEWAGON (5X)	130 HP	1.00	HR		5.15	10.57	7.59	31.94	55.25
SUBTOTAL		2.85	HR		14.68	22.32	11.58	75.42	124.00
OVERHEAD EXPENSES									
DOWNTIME		0.71	HR		3.67				3.67
EMPLOYEE BENEFITS					7.28				7.28
INSURANCE				0.81					0.81
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					101.45				101.45
OTHER EXPENSES				88.55					88.55
SUBTOTAL		0.71	HR	89.35	112.40			1.62	203.37
TOTAL OPERATING EXPENSES		8.56	HR	247.33	152.82	22.32	11.58	165.41	599.47
NET OPERATING PROFIT									758.03
INTEREST ON OPERATING CAPITAL	(	81.81	@	0.07)					5.32
INTEREST ON EQUIPMENT INVESTMENT									43.58
RETURN TO LAND AND RISK									709.14

BUDGET SUMMARY

GROSS RETURN		1,357.50	
VARIABLE OPERATING EXPENSES	281.23		
RETURN OVER VARIABLE EXPENSES		1,076.27	(GROSS MARGIN)
FIXED EXPENSES	165.41		
NET FARM INCOME		910.86	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	152.82		
NET OPERATING PROFIT		758.03	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	48.89		
RETURN TO LAND AND RISK		709.14	

TABLE 6. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: August 15 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS	TOTAL
PURCHASED INPUTS				
FESCUE SEED	2.85	15.00 LBS	42.75	42.75
ANHYDROUS AMMONIA (NH3)	0.42	50.00 LBS	20.75	20.75
CANAL WATER		12.00 AC. IN.		
SUBTOTAL			63.50	63.50

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17 HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67 HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34 HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19 HR		0.98	2.01	0.96	5.78	9.72
BORDER DISC	65 HP	0.05 HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25 HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (3X)		1.50 HR		7.73				7.73
SUBTOTAL		3.17 HR		16.33	16.60	9.50	33.60	76.03
OVERHEAD EXPENSES								
DOWNTIME		0.42 HR		2.15				2.15
EMPLOYEE BENEFITS				4.08				4.08
INSURANCE			0.33					0.33
SUPERVISION AND MANAGEMENT				12.10				12.10
SUBTOTAL		0.42 HR	0.33	18.33				18.66
TOTAL OPERATING EXPENSES		3.59 HR	63.83	34.66	16.60	9.50	33.60	158.19

TABLE 7. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Harvest dates: Year Round

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
PASTURE	24.00	15.00	AUMS	360.00
TOTAL				360.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
ANHYDROUS AMMONIA (NH3)	0.42	200.00	LBS	83.00		83.00
ESTABLISHMENT: Principal		7.00	YEARS		22.60	22.60
: Interest					4.92	4.92
CANAL WATER		60.00	AC. IN.		28.00	28.00
SUBTOTAL				83.00	55.52	138.52

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (10X)		5.00	HR		25.75				25.75
SUBTOTAL		5.00	HR		25.75				25.75
OVERHEAD EXPENSES									
DOWNTIME					0.00				0.00
EMPLOYEE BENEFITS					4.64				4.64
INSURANCE				0.52					0.52
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					27.70				27.70
OTHER EXPENSES				88.55					88.55
SUBTOTAL				89.06	32.34			1.62	123.01
TOTAL OPERATING EXPENSES		5.00	HR	172.06	58.09			57.13	287.28
NET OPERATING PROFIT									72.72
INTEREST ON OPERATING CAPITAL	(	138.52	@	0.07)					4.92
INTEREST ON EQUIPMENT INVESTMENT									0.00
RETURN TO LAND AND RISK									67.80

BUDGET SUMMARY

GROSS RETURN		360.00	
VARIABLE OPERATING EXPENSES	172.06		
RETURN OVER VARIABLE EXPENSES		187.94	(GROSS MARGIN)
FIXED EXPENSES	57.13		
NET FARM INCOME		130.81	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	58.09		
NET OPERATING PROFIT		72.72	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	4.92		
RETURN TO LAND AND RISK		67.80	

TABLE 8. Sudan hay (following oat hay), flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: July 1 - July 31
Harvest dates: September 1 - October 15

ITEM	PRICE	QUANTITY		TOTAL
GROSS RETURNS				
SUDAN HAY	215.00	5.00	TONS (STACKED)	1,075.00
GRAZING	10.00	1.00	AUM	10.00
TOTAL				1,085.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	0.87	60.00	LBS	52.20		52.20
ANHYDROUS AMMONIA (NH3)	0.42	200.00	LBS	83.00		83.00
INSECTICIDE (CUSTOM)	21.03	1.00	ACRE	21.03		21.03
WIRE	0.91	42.85	LBS	38.99		38.99
CANAL WATER		24.00	AC. IN.		28.00	28.00
SUBTOTAL				195.22	28.00	223.22

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
BORDER DISC	65 HP	0.05	HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25	HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (4X)		2.00	HR		10.30				10.30
SUBTOTAL		2.83	HR		14.57	7.72	3.94	17.48	43.71
HARVEST OPERATIONS									
SWATHER	14 FT.	0.16	HR		0.82	0.87	0.42	6.72	8.83
BALER	65 HP	0.21	HR		1.08	1.48	0.38	1.97	4.91
BALEWAGON	130 HP	0.20	HR		1.03	2.11	1.52	6.39	11.05
SUBTOTAL		0.57	HR		2.94	4.46	2.32	15.08	24.80
OVERHEAD EXPENSES									
DOWNTIME		1.32	HR		6.82				6.82
EMPLOYEE BENEFITS					3.15				3.15
INSURANCE				0.35					0.35
LAND TAXES								0.81	0.81
SUPERVISION AND MANAGEMENT					21.39				21.39
OTHER EXPENSES				44.27					44.27
SUBTOTAL		1.32	HR	44.62	31.35			0.81	76.78
TOTAL OPERATING EXPENSES		4.72	HR	239.85	48.86	12.18	6.25	61.37	368.52
NET OPERATING PROFIT									716.48
INTEREST ON OPERATING CAPITAL	(	101.09	@	0.07)					6.57
INTEREST ON EQUIPMENT INVESTMENT									16.29
RETURN TO LAND AND RISK									693.63

BUDGET SUMMARY

GROSS RETURN		1,085.00	
VARIABLE OPERATING EXPENSES	258.28		
RETURN OVER VARIABLE EXPENSES		826.72	(GROSS MARGIN)
FIXED EXPENSES	61.37		
NET FARM INCOME		765.35	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	48.86		
NET OPERATING PROFIT		716.48	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	22.86		
RETURN TO LAND AND RISK		693.63	

TABLE 9. Sudan hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: May 20 - June 15
Harvest dates: July 1 - October 15

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
SUDAN HAY	215.00	5.00	TONS (STACKED)	1,075.00
GRAZING	10.00	1.00	AUM	10.00
TOTAL				1,085.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	0.87	70.00	LBS	60.90		60.90
ANHYDROUS AMMONIA (NH3)	0.42	200.00	LBS	83.00		83.00
INSECTICIDE (CUSTOM)	21.03	1.00	ACRE	21.03		21.03
WIRE	0.91	42.85	LBS	38.99		38.99
CANAL WATER		48.00	AC. IN.		25.00	25.00
SUBTOTAL				203.92	25.00	228.92

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	130 HP	0.67	HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
BORDER DISC	65 HP	0.05	HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25	HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (8X)		4.00	HR		20.60				20.60
SUBTOTAL		5.50	HR		28.33	14.80	8.46	30.46	82.05
HARVEST OPERATIONS									
SWATHER (2X)	14 FT.	0.32	HR		1.65	1.74	0.84	13.45	17.67
BALER (2X)	65 HP	0.42	HR		2.16	2.96	0.76	3.94	9.83
BALEWAGON (2X)	130 HP	0.40	HR		2.06	4.23	3.04	12.78	22.10
SUBTOTAL		1.14	HR		5.87	8.93	4.63	30.17	49.60
OVERHEAD EXPENSES									
DOWNTIME		0.66	HR		3.40				3.40
EMPLOYEE BENEFITS					6.16				6.16
INSURANCE				0.68					0.68
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					81.27				81.27
OTHER EXPENSES				88.55					88.55
SUBTOTAL		0.66	HR	89.23	90.82			1.62	181.67
TOTAL OPERATING EXPENSES		7.30	HR	293.15	125.02	23.73	13.09	87.24	542.24
NET OPERATING PROFIT									542.76
INTEREST ON OPERATING CAPITAL	(	108.91	@	0.07)					7.08
INTEREST ON EQUIPMENT INVESTMENT									30.93
RETURN TO LAND AND RISK									504.75

BUDGET SUMMARY

GROSS RETURN		1,085.00	
VARIABLE OPERATING EXPENSES	329.98		
RETURN OVER VARIABLE EXPENSES		755.02	(GROSS MARGIN)
FIXED EXPENSES	87.24		
NET FARM INCOME		667.78	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	125.02		
NET OPERATING PROFIT		542.76	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	38.01		
RETURN TO LAND AND RISK		504.75	

TABLE 10. Wheat for grain, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: September 15 - October 15
Harvest dates: July 1 - July 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
GRAIN	12.92	34.00 CWT		439.17
DIRECT PAYMENT	0.00	34.00 CWT		0.00
COUNTER CYCLICAL PAYMENT	0.00			0.00
GRAZING	10.00	1.00 AUM		10.00
TOTAL				449.17

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	0.65	100.00 LBS	65.00		65.00
ANHYDROUS AMMONIA (NH3)	0.42	200.00 LBS	83.00		83.00
NITROGEN (N)	0.61	200.00 LBS	122.00		122.00
PHOSPHATE (P205)	0.60	90.00 LBS	54.00		54.00
CANAL WATER		24.00 AC. IN.		25.00	25.00
CROP INSURANCE	1.00		1.00		1.00
SUBTOTAL			325.00	25.00	350.00

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17 HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67 HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34 HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19 HR		0.98	2.01	0.96	5.78	9.72
BORDER DISC	65 HP	0.05 HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25 HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (6X)		3.00 HR		15.45				15.45
SUBTOTAL		4.67 HR		24.05	16.60	9.50	33.60	83.76
HARVEST OPERATIONS								
COMBINE (CUSTOM)			22.78					22.78
HAUL (CUSTOM)			6.46					6.46
SUBTOTAL			29.24					29.24
OVERHEAD EXPENSES								
DOWNTIME		0.42 HR		2.15				2.15
EMPLOYEE BENEFITS				4.33				4.33
INSURANCE			0.48					0.48
LAND TAXES							1.62	1.62
SUPERVISION AND MANAGEMENT				35.28				35.28
OTHER EXPENSES			88.55					88.55
SUBTOTAL		0.42 HR	89.03	41.76			1.62	132.40
TOTAL OPERATING EXPENSES		5.09 HR	443.27	65.81	16.60	9.50	60.22	595.40
NET OPERATING PROFIT								-146.23
INTEREST ON OPERATING CAPITAL	(	171.46 @	0.07)					11.15
INTEREST ON EQUIPMENT INVESTMENT								30.93
RETURN TO LAND AND RISK								-188.30

BUDGET SUMMARY

GROSS RETURN		449.17	
VARIABLE OPERATING EXPENSES	469.37		
RETURN OVER VARIABLE EXPENSES		-20.20	(GROSS MARGIN)
FIXED EXPENSES	60.22		
NET FARM INCOME		-80.42	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	65.81		
NET OPERATING PROFIT		-146.23	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	42.07		
RETURN TO LAND AND RISK		-188.30	

TABLE 11. Barley for grain, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: September 15 - October 15
Harvest dates: July 1 - July 15

ITEM	PRICE	YIELD		BASE	TOTAL
GROSS RETURNS					
GRAIN	5.64	45.00	CWT		253.80
DIRECT PAYMENT	0.00	45.00	CWT	0.85	0.00
COUNTER CYCLICAL PAYMENT	0.00	0.00	CWT		0.00
GRAZING	10.00	1.00	AUM		10.00
TOTAL					263.80

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	0.98	100.00	LBS	98.00		98.00
ANHYDROUS AMMONIA (NH3)	0.42	200.00	LBS	83.00		83.00
NITROGEN (N)	0.61	40.00	LBS	24.40		24.40
PHOSPHATE (P205)	0.60	90.00	LBS	54.00		54.00
CANAL WATER		24.00	AC. IN.		25.00	25.00
CROP INSURANCE	5.00					5.00
SUBTOTAL				259.40	25.00	289.40

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17	HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67	HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
BORDER DISC	65 HP	0.05	HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25	HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (6X)		3.00	HR		15.45				15.45
SUBTOTAL		4.67	HR		24.05	16.60	9.50	33.60	83.76
HARVEST OPERATIONS									
COMBINE (CUSTOM)				30.15					30.15
HAUL (CUSTOM)				9.00					9.00
SUBTOTAL				39.15					39.15
OVERHEAD EXPENSES									
DOWNTIME		0.42	HR		2.15				2.15
EMPLOYEE BENEFITS					4.33				4.33
INSURANCE				0.48					0.48
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					22.30				22.30
OTHER EXPENSES				88.55					88.55
SUBTOTAL		0.42	HR	89.03	28.78			1.62	119.42
TOTAL OPERATING EXPENSES		5.09	HR	387.58	52.83	16.60	9.50	60.22	531.73
NET OPERATING PROFIT									-267.93
INTEREST ON OPERATING CAPITAL	(	141.99	@	0.07)					9.23
INTEREST ON EQUIPMENT INVESTMENT									14.94
RETURN TO LAND AND RISK									-292.09

BUDGET SUMMARY

GROSS RETURN		263.80	
VARIABLE OPERATING EXPENSES	413.68		
RETURN OVER VARIABLE EXPENSES		-149.88	(GROSS MARGIN)
FIXED EXPENSES	60.22		
NET FARM INCOME		-210.10	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	52.83		
NET OPERATING PROFIT		-262.93	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	24.16		
RETURN TO LAND AND RISK		-287.09	

TABLE 12. Corn for grain, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: April 15 - May 15
Harvest dates: October 20 - November 20

ITEM	PRICE	YIELD		BASE	TOTAL
GROSS RETURNS					
CORN	4.38	73.00	CWT		319.74
DIRECT PAYMENT	0.28	73.00	CWT	0.85	17.37
COUNTER CYCLICAL PAYMENT	0.00	0.00	CWT		0.00
GRAZING	10.00	1.00	AUM		10.00
TOTAL					347.11

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	78.50	25.00	000	24.53		24.53
ANHYDROUS AMMONIA (NH3)	0.23	250.00	LBS	56.25		56.25
NITROGEN (N)	0.29	40.00	LBS	11.60		11.60
PHOSPHATE (P2O5)	0.20	90.00	LBS	18.00		18.00
INSECTICIDE (CUSTOM)	15.24	2.00	X/ACRE	30.49		30.49
HERBICIDE	10.37	1.00	X/ACRE	10.37		10.37
CANAL WATER		48.00	AC. IN.		25.00	25.00
CROP INSURANCE	2.50					2.50
SUBTOTAL				151.24	25.00	178.74

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17	HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67	HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
SPRAYER	65 HP	0.15	HR		0.77	1.06	0.30	5.02	7.16
LISTER	65 HP	0.18	HR		0.93	1.27	0.46	6.66	9.32
PRE-IRRIGATE		0.75	HR		3.86				3.86
HARROW	65 HP	0.19	HR		0.98	1.34	0.19	1.39	3.89
PLANTER	130 HP	0.26	HR		1.34	2.75	1.90	23.78	29.77
CULTIVATOR (2X)	65 HP	0.42	HR		2.16	2.96	0.90	4.25	10.27
IRRIGATE (8X)		4.00	HR		20.60				20.60
SUBTOTAL		7.32	HR		37.70	23.86	12.34	69.31	143.21
HARVEST OPERATIONS									
COMBINE (CUSTOM)				30.66					30.66
HAUL (CUSTOM)				14.60					14.60
SUBTOTAL				45.26					45.26
OVERHEAD EXPENSES									
DOWNTIME		0.38	HR		1.96				1.96
EMPLOYEE BENEFITS					6.79				6.79
INSURANCE				0.75					0.75
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					29.06				29.06
OTHER EXPENSES				88.55					88.55
SUBTOTAL		0.38	HR	89.30	37.80			1.62	128.72
TOTAL OPERATING EXPENSES		7.70	HR	285.80	75.50	23.86	12.34	95.93	495.93
NET OPERATING PROFIT									-148.82
INTEREST ON OPERATING CAPITAL	(	89.69	@	0.07)					5.83
INTEREST ON EQUIPMENT INVESTMENT									14.94
RETURN TO LAND AND RISK									-169.58

BUDGET SUMMARY

GROSS RETURN		347.11	
VARIABLE OPERATING EXPENSES	322.00		
RETURN OVER VARIABLE EXPENSES		25.11	(GROSS MARGIN)
FIXED EXPENSES	95.93		
NET FARM INCOME		-70.82	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	75.50		
NET OPERATING PROFIT		-146.32	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	20.77		
RETURN TO LAND AND RISK		-167.08	

TABLE 13. Oat hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: March 1 - March 31
Harvest dates: June 15 - July 1

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
OAT HAY	215.00	5.00	TONS (STACKED)	1,075.00
TOTAL				1,075.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	0.61	100.00	LBS	61.00		61.00
ANHYDROUS AMMONIA (NH3)	0.42	100.00	LBS	41.50		41.50
WIRE	0.91	42.85	LBS	38.99		38.99
CANAL WATER		24.00	AC. IN.		25.00	25.00
SUBTOTAL				141.49	25.00	166.49

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17	HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67	HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
BORDER DISC	65 HP	0.05	HR		0.26	0.35	0.09	1.18	1.88
DRILL	65 HP	0.25	HR		1.29	1.76	0.81	4.22	8.08
IRRIGATE (5X)		2.50	HR		12.88				12.88
SUBTOTAL		4.17	HR		21.48	16.60	9.50	33.60	81.18
HARVEST OPERATIONS									
SWATHER	14 FT.	0.16	HR		0.82	0.87	0.42	6.72	8.83
BALER	65 HP	0.21	HR		1.08	1.48	0.38	1.97	4.91
BALE WAGON	130 HP	0.20	HR		1.03	2.11	1.52	6.39	11.05
SUBTOTAL		0.57	HR		2.94	4.46	2.32	15.08	24.80
OVERHEAD EXPENSES									
DOWNTIME		0.56	HR		2.88				2.88
EMPLOYEE BENEFITS					4.39				4.39
INSURANCE				0.49					0.49
LAND TAXES								0.81	0.81
SUPERVISION AND MANAGEMENT					78.87				78.87
OTHER EXPENSES				44.27					44.27
SUBTOTAL		0.56	HR	44.76	86.15			0.81	131.72
TOTAL OPERATING EXPENSES		5.30	HR	186.25	110.56	21.07	11.81	74.50	404.19
NET OPERATING PROFIT									670.81
INTEREST ON OPERATING CAPITAL	(	77.84	@	0.07)					5.06
INTEREST ON EQUIPMENT INVESTMENT									29.23
RETURN TO LAND AND RISK									636.52

BUDGET SUMMARY

GROSS RETURN		1,075.00	
VARIABLE OPERATING EXPENSES	219.14		
RETURN OVER VARIABLE EXPENSES		855.86	(GROSS MARGIN)
FIXED EXPENSES	74.50		
NET FARM INCOME		781.37	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	110.56		
NET OPERATING PROFIT		670.81	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	34.29		
RETURN TO LAND AND RISK		636.52	

TABLE 14. Corn silage, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: April 15 - May 15
Harvest dates: August 20 - October 15

ITEM	PRICE	YIELD			TOTAL
GROSS RETURNS					
CORN SILAGE	55.00	22.00	TONS	(HAULED)	1,210.00
TOTAL					1,210.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	242.80	25.00	000	75.88		75.88
ANHYDROUS AMMONIA (NH3)	0.42	225.00	LBS	93.38		93.38
NITROGEN (N)	0.61	40.00	LBS	24.40		24.40
PHOSPHATE (P2O5)	0.60	90.00	LBS	54.00		54.00
HERBICIDE	7.62	1.00	X/ACRE	7.62		7.62
INSECTICIDE (CUSTOM)	21.03	1.00	X/ACRE	21.03		21.03
CANAL WATER		36.00	AC. IN.		25.00	25.00
SUBTOTAL				276.30	25.00	301.30

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17	HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67	HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
SPRAYER	65 HP	0.15	HR		0.77	1.06	0.30	5.02	7.16
LISTER	65 HP	0.18	HR		0.93	1.27	0.46	6.66	9.32
PRE-IRRIGATE		0.75	HR		3.86				3.86
HARROW	65 HP	0.19	HR		0.98	1.34	0.19	1.39	3.89
PLANTER	130 HP	0.26	HR		1.34	2.75	1.90	23.78	29.77
CULTIVATOR (2X)	65 HP	0.42	HR		2.16	2.96	0.90	4.25	10.27
IRRIGATE (6X)		3.00	HR		15.45				15.45
SUBTOTAL		6.32	HR		32.55	23.86	12.34	69.31	138.06
HARVEST OPERATIONS									
ENSILAGE CHOPPER (CUSTOM)				55.00					55.00
HAUL (CUSTOM)				100.00					100.00
SUBTOTAL				155.00					155.00
OVERHEAD EXPENSES									
DOWNTIME		0.60	HR		3.06				3.06
EMPLOYEE BENEFITS					5.86				5.86
INSURANCE				0.65					0.65
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					92.08				92.08
OTHER EXPENSES				88.55					88.55
SUBTOTAL		0.60	HR	89.20	101.00			1.62	191.81
TOTAL OPERATING EXPENSES		6.92	HR	520.49	133.55	23.86	12.34	95.93	786.17
NET OPERATING PROFIT									423.83
INTEREST ON OPERATING CAPITAL	(	160.12	@	0.07)					10.41
INTEREST ON EQUIPMENT INVESTMENT									23.65
RETURN TO LAND AND RISK									389.77

BUDGET SUMMARY

GROSS RETURN		1,210.00	
VARIABLE OPERATING EXPENSES	556.70		
RETURN OVER VARIABLE EXPENSES		653.30	(GROSS MARGIN)
FIXED EXPENSES	95.93		
NET FARM INCOME		557.37	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	133.55		
NET OPERATING PROFIT		423.83	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	34.06		
RETURN TO LAND AND RISK		389.77	

TABLE 15. Chile, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County. Projected 2013.
Planting dates: March 15 - May 1
Harvest dates: August 1 - October 15

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
GREEN	0.25	12,000.00	LBS	3,000.00
RED	1.50	400.00	LBS	600.00
TOTAL				3,600.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
SEED	88.00	7.00	LBS	616.00		616.00
ANHYDROUS AMMONIA (NH3)	0.42	250.00	LBS	103.75		103.75
NITROGEN (N)	0.61	10.00	LBS	6.10		6.10
PHOSPHATE (P205)	0.60	12.00	LBS	7.20		7.20
SACKS	0.35	330.00	EACH	115.50		115.50
HERBICIDE	19.05	1.00	ACRE	19.05		19.05
CANAL WATER		48.00	AC. IN.		25.00	25.00
SUBTOTAL				867.60	25.00	892.60

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	130 HP	0.17	HR		0.88	1.80	1.04	3.15	6.86
PLOW	130 HP	0.67	HR		3.45	7.09	4.52	12.98	28.04
DISC (2X)	130 HP	0.34	HR		1.75	3.60	2.08	6.30	13.72
LAND PLANE	130 HP	0.19	HR		0.98	2.01	0.96	5.78	9.72
LISTER	65 HP	0.18	HR		0.93	1.27	0.46	6.66	9.32
PRE-IRRIGATE		0.75	HR		3.86				3.86
HARROW	65 HP	0.19	HR		0.98	1.34	0.19	1.39	3.89
PLANTER	130 HP	0.26	HR		1.34	2.75	1.90	23.78	29.77
CULTIVATOR (10X)	130 HP	2.10	HR		10.82	22.21	12.35	47.53	92.89
SPRAYER (2X)	65 HP	0.30	HR		1.55	2.11	0.60	10.05	14.31
THIN & HOE (CUSTOM)				100.00					100.00
IRRIGATE (11X)		5.50	HR		28.33				28.33
SUBTOTAL		10.65	HR	100.00	54.85	44.17	24.09	117.61	340.72
HARVEST OPERATIONS									
HARVEST (CUSTOM)				620.00					620.00
HAUL & SELL	65 HP	15.00	HR		77.25	105.75	14.52	13.22	210.74
SUBTOTAL		15.00	HR	620.00	77.25	105.75	14.52	13.22	830.74
OVERHEAD EXPENSES									
DOWNTIME		4.85	HR		24.98				24.98
EMPLOYEE BENEFITS					23.78				23.78
INSURANCE				2.64					2.64
LAND TAXES								1.62	1.62
SUPERVISION AND MANAGEMENT					196.09				196.09
OTHER EXPENSES				88.55					88.55
SUBTOTAL		4.85	HR	91.19	244.84			1.62	337.65
TOTAL OPERATING EXPENSES		30.50	HR	1,678.78	376.94	149.92	38.61	157.45	2,401.69
NET OPERATING PROFIT									1,198.31
INTEREST ON OPERATING CAPITAL	(	512.55	@	0.07)					33.32
INTEREST ON EQUIPMENT INVESTMENT									65.70
RETURN TO LAND AND RISK									1,099.29

BUDGET SUMMARY

GROSS RETURN		3,600.00	
VARIABLE OPERATING EXPENSES	1,867.31		
RETURN OVER VARIABLE EXPENSES		1,732.69	(GROSS MARGIN)
FIXED EXPENSES	157.45		
NET FARM INCOME		1,575.24	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	376.94		
NET OPERATING PROFIT		1,198.31	(RETURN TO CAPITAL, LAND & RISK)

CAPITAL COSTS	99.02	
RETURN TO LAND AND RISK		1,099.29

TABLE 16. Summary of per acre costs and returns, 200 acre farm with above average management, Socorro County. Projected 2013.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	PERMANENT PASTURE EST.	PERMANENT PASTURE	OAT HAY	SUDAN HAY (AOH)	SUDAN HAY	CORN SILAGE	WHEAT FOR GRAIN	BARLEY FOR GRAIN	CORN FOR GRAIN	GREEN CHILE
	----------FLOOD----------											
		TONS		AUMS	TONS	TONS	TONS	TONS	CWT	CWT	CWT	LBS
PRIMARY YIELD		5.50		15.00	5.00	5.00	5.00	22.00	34.00	45.00	73.00	12,000.00
PRIMARY PRICE		245.00		24.00	215.00	215.00	215.00	55.00	12.92	5.64	4.38	0.25
GOVERNMENT PAYMENTS		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.37	0.00
SECOND INCOME		10.00		0.00	0.00	10.00	10.00	0.00	10.00	10.00	10.00	600.00
GROSS RETURN		1,357.50		360.00	1,075.00	1,085.00	1,085.00	1,210.00	449.17	263.80	347.11	3,600.00
CASH OPERATING EXPENSES												
SEED	59.00		42.75		61.00	52.20	60.90	75.88	65.00	98.00	24.53	616.00
FERTILIZER	29.60	84.54	20.75	83.00	41.50	83.00	83.00	171.78	259.00	161.40	85.85	117.05
CHEMICALS		30.54				21.03	21.03	28.65			40.86	19.05
CROP INSURANCE									1.00	5.00	2.50	
OTHER PURCHASED INPUTS		42.89			38.99	38.99	38.99					115.50
CANAL WATER		28.00		28.00	25.00	28.00	25.00	25.00	25.00	25.00	25.00	25.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	14.59	22.32	16.60	0.00	21.07	12.18	23.73	23.86	16.60	16.60	23.86	149.92
FUEL-IRRIGATION												
REPAIRS	8.54	11.58	9.50	0.00	11.81	6.25	13.09	12.34	9.50	9.50	12.34	38.61
CUSTOM CHARGES	73.33							155.00	29.24	39.15	45.26	720.00
LAND TAXES		1.62		1.62	0.81	0.81	1.62	1.62	1.62	1.62	1.62	1.62
OTHER EXPENSES	0.31	89.35	0.33	89.06	44.76	44.62	89.23	89.20	89.03	89.03	89.30	91.19
TOTAL CASH EXPENSES	185.37	310.85	89.93	201.68	244.94	287.09	356.60	583.31	495.98	445.29	351.12	1,893.93
RETURN OVER CASH EXPENSES	-185.37	1,046.65	-89.93	158.32	830.06	797.91	728.40	626.69	-46.82	-181.49	-4.00	1,706.07
FIXED EXPENSES	27.83	135.80	33.60	27.52	48.69	32.56	60.62	69.31	33.60	33.60	69.31	130.83
TOTAL EXPENSES	213.20	446.64	123.53	229.19	293.63	319.65	417.22	652.63	529.59	478.90	420.43	2,024.76
NET FARM INCOME	-213.20	910.86	-123.53	130.81	781.37	765.35	667.78	557.37	-80.42	-215.10	-73.32	1,575.24
LABOR AND MANAGEMENT COSTS	42.42	152.82	34.66	58.09	110.56	48.86	125.02	133.55	65.81	52.83	75.50	376.94
NET OPERATING PROFIT	-255.61	758.03	-158.19	72.72	670.81	716.48	542.76	423.83	-146.23	-267.93	-148.82	1,198.31
CAPITAL COSTS												
INTEREST ON OPERATING CAPITAL		5.32		4.92	5.06	6.57	7.08	10.41	11.15	9.23	5.83	33.32
INTEREST ON EQUIPMENT INVESTMENT		43.58		0.00	29.23	16.29	30.93	23.65	30.93	14.94	14.94	65.70
TOTAL CAPITAL COSTS	0.00	48.89	0.00	4.92	34.29	22.86	38.01	34.06	42.07	24.16	20.77	99.02
RETURN TO LAND AND RISK	-255.61	709.14	-158.19	67.80	636.52	693.63	504.75	389.77	-188.30	-292.09	-169.58	1,099.29

TABLE 17. Whole farm budget summary, Socorro County. Projected 2013.

GROSS RETURNS					
ALFALFA HAY	40.00	ACRES			
CROP			53,900		
GRAZING			400		
PERMANENT PASTURE	25.00	ACRES			
GRAZING			9,000		
OAT HAY	5.00	ACRES			
CROP			5,375		
SUDAN HAY (AOH)	10.00	ACRES			
CROP			10,750		
GRAZING			100		
SUDAN HAY	10.00	ACRES			
CROP			10,750		
GRAZING			100		
CORN SILAGE	10.00	ACRES			
CROP			12,100		
WHEAT	50.00	ACRES			
CROP			21,958		
GRAZING			500		
DIRECT PAYMENT			0		
COUNTER CYCLICAL PAYMENT			0		
BARLEY	10.00	ACRES			
CROP			2,538		
GRAZING			100		
DIRECT PAYMENT			0		
COUNTER CYCLICAL PAYMENT			0		
CORN FOR GRAIN	20.00	ACRES			
CROP			6,395		
GRAZING			200		
DIRECT PAYMENT			347		
COUNTER CYCLICAL PAYMENT			0		
GREEN CHILE	5.00	ACRES			
GREEN			15,000		
RED			3,000		
LIVESTOCK			42,702		
GROSS RETURN					195,216
CASH OPERATING EXPENSES					
FORAGE			10,200		
LIVESTOCK			81,757		
SEED			10,510		
FERTILIZER			26,166		
CHEMICALS			2,841		
CROP INSURANCE			150		
OTHER PURCHASED INPUTS			3,268		
CANAL WATER			4,850		
FUEL, OIL & LUBRICANTS-EQUIPMENT			3,952		
FUEL-IRRIGATION			0		
REPAIRS			1,927		
CUSTOM CHARGES			8,495		
LAND TAXES			287		
OTHER EXPENSES			15,841		
TOTAL CASH EXPENSES				170,245	
RETURN OVER CASH EXPENSES					24,971
FIXED EXPENSES			9,691		
TOTAL EXPENSES				179,936	
NET FARM INCOME					15,280
LABOR AND MANAGEMENT COSTS			18,779		
NET OPERATING PROFIT					-3,500
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL			1,534		
INTEREST ON EQUIPMENT INVESTMENT			4,921		
TOTAL CAPITAL COSTS				6,455	
RETURN TO LAND AND RISK					-9,955