

TABLE 1. Basic cost information for Northern Mountain Counties, 2003.

Item			
Labor Wage Rate:		\$/hour	\$5.15
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)		\$/pound	\$0.36
Phosphate (P205)		\$/pound	\$0.33
Baling wire		\$/pound	\$0.39
Canal water		\$/acre	\$7.00
Energy:			
Butane		\$/MCF	\$1.21
Diesel fuel		\$/gallon	\$1.35
Gasoline		\$/gallon	\$1.40
Electricity		cents/KwHr	9.00
Natural Gas		\$/MCF	\$3.29
Employee Liability Insurance		\$/ \$1,000 wages	\$20.00
Employee Benefits		percent/w ages	12.00%
Labor Downtime		percent	25.00%
Financial Rates:			
Operating Capital Interest Rate		percent	8.00%
Land Interest Rate		percent	7.00%
Equipment Interest Rate		percent	8.00%
Real Interest Rate		percent	4.00%
Land Taxes	\$361.50	/acre (full value)	\$4.14
Personal Property Tax Rate - NR		\$/ \$1,000 (Assessed Value)	\$34.39
	- R		\$26.68
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%

TABLE 1a. Overhead cost information for Northern Mountain Counties, 2002.

ITEM		CROP ENTERPRISE	LIVESTOCK ENTERPRISE	TOTAL
Electricity (Domestic & Shop)	\$35.00 per month	\$420	\$42.00	\$462.00
Telephone	\$35.00 per month	\$420	\$42.00	\$462.00
Accounting & Legal		\$130		\$130.00
Misc. Supplies & Hand Tools		\$250		\$250.00
Pickup and Auto	Crop Ent. Livestock Ent.			
miles	3100 1500 @	\$0.365 per mile	\$1,132	\$547.50
Insurance				
- general liability (non-employee)		\$0	\$0.00	\$0.00
- fire/theft		\$0	\$0.00	\$0.00
Property Taxes				
- non-planted land		\$0	\$0.00	\$0.00
- other than land & machinery		\$60		\$60.00
Building repairs and maintenance		\$110	\$11.00	\$121.00
Dues, fees, publications		\$105	\$5.25	\$110.25
Farmstead Equipment		\$175.00	\$17.50	\$192.50
	Total	\$2,802	\$665	\$3,467
	Total Per Planted Acre	\$70.04		

Table 2. Pumping Costs and Data For Irrigation Wells, Northern Mountain Counties, 2003.

INPUT DATA

DELIVERY PSI:		DEPTH CHARACTERISTICS:	
SPRINKLER...	0	STATIC... ..	15
		DRAW DOWN	55
		TOTAL HEAD.....	70
		CASING... ..	125
GALLONS PER MINUTE (GPM)...	1500		
WORK HORSEPOWER.....	27		
EFFICIENCY FACTOR:			
ELECTRICITY.	0.447		
NATURAL GAS.	0.125		
BUTANE.....	0.186		
DIESEL.....	0.199		
FUEL COST PER UNIT:			
ELECTRICITY.	\$9.00	CENTS/K	wH
NATURAL GAS.	\$3.50	\$/MCF	
BUTANE.....	\$1.21	\$/GAL	
DIESEL.....	\$1.35	\$/GAL	

FUEL PUMPING COSTS:

ELECTRICAL WELL:	
COST PER HOUR.....	\$4.01
COST PER ACRE INCH	\$1.21
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.....	\$3.26
COST PER ACRE INCH	\$0.98

TABLE 2a. Equipment summary for a 40 acre farm with above average management, Northern Mountain Counties, 2003.

EQUIPMENT			VARIABLE COSTS					FIXED COSTS		
ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL FUEL AND VALUE	UBRICANT	REPAIR	FUEL, LUBE PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HOUR
TRACTOR 40 HP	30	1	\$1,600	\$126	\$3	\$4.19	\$0.11	\$63	\$14	\$2.55
RAKE 8FT	8	1	\$1,550		\$5		\$0.68	\$155	\$18	\$22.15
BALER, PTO 2-WIRE	21	1	\$1,500		\$8		\$0.39	\$385	\$44	\$20.73
LAND PLANE 14 FT.	6	1	\$0		\$0		\$0.00	\$0	\$0	\$0.00
DISC 12 FT	11	1	\$0		\$0		\$0.00	\$0	\$0	\$0.00
PLOW 3-BOTTOM (FLIP)	21	1	\$0		\$0		\$0.00	\$0	\$0	\$0.00
BROADCAST SEEDER	8	1	\$0		\$0		\$0.00	\$0	\$0	\$0.00
SWATHER	23	1	\$1,300	\$0	\$19	\$0.00	\$0.81	\$130	\$15	\$6.27
BORDER DISC 6-DISC	2	1	\$750		\$1		\$0.93	\$100	\$9	\$70.06
DRAG	8	1	\$200		\$0		\$0.00	\$13	\$1	\$1.83
			\$6,700	\$126	\$37			\$833	\$100	

Table 2b. Value of Resources for Livestock Enterprise

	UNIT	QUANTITY	\$/UNIT	TOTAL	USEFUL LIFE	DEPRECIATION
Cattle:						
Cows	NO	40	\$650	\$26,000		
Replacement Heifers	NO	4	\$650	\$2,600		
Heifer Calves	NO	0	\$462	\$0		
Steer Calves	NO	0	\$564	\$0		
Bulls	NO	2	\$1,000	\$2,051		
Horses	NO	2	\$1,000	\$2,000		
Subtotal				\$32,651		
Other Range Facilities:						
Fencing						
- Permanent	MI	1.0	\$1,500	\$1,500	25	\$60
- temporary	MI	0.5	\$250	\$125	10	\$13
Pipelines	MI	0.0	\$300	\$0	20	\$0
Tanks and Reservoirs	NO	0.0	\$500	\$0	40	\$0
Corrals	NO	1.0	\$5,000	\$5,000	25	\$200
Livestock Trailer	NO	1.0	\$2,500	\$2,500	10	\$250
Subtotal				\$9,125		
Total				\$41,776		\$523

Table 3a. Livestock Production Parameters

NUMBER OF COWS	40
COWS PER BULL	20
NUMBER OF HORSES	2
REPLACEMENT RATE (%)	10.00%
CALF DEATH LOSS (%)	3.00%
YEARLING DEATH LOSS (%)	1.25%
COW DEATH LOSS (%)	1.00%
BULL DEATH LOSS (%)	0.00%
CALF CROP (%)	85.00%
PRODUCTIVE LIFE OF BULLS (YEARS)	5
PERCENT SOLD AS YEARLINGS:	
HEIFERS	0.00%
STEERS	0.00%

Table 3b. Forage Sources for Livestock

	ACRES	AUMS/ ACRE	AUMS PROVIDED
ALFALFA	10.00	1.00	10.00
LEASED RANGELAND			289.03
GRASS HAY	30.00	1.00	30.00
BALED HAY (TONS)		104.41	261.03
TOTAL	40.00		590.06

Table 3c. STOCK COUNT CHART E BORN IN:

MARCH

SEASON	BULLS 1.4	REPLACEMENT COWS 1.0	HEIFERS 0.7	YEARLING STEERS 0.7	YEARLING HEIFERS 0.7	STEERS CALVES 0.5	HEIFER CALVES 0.5	HORSES 1.25 REQUIRED	TOTAL AUMs
JANUARY	2	40				0	4	2	47
FEBUARY	2	40				0	4	2	47
MARCH	2	40	4					2	48
APRIL	2	40	4					2	48
MAY	2	40	4					2	48
JUNE	2	40	4					2	48
JULY	2	40	4					2	48
AUGUST	2	40	4					2	48
SEPTEMBER	2	40	4			0		2	48
OCTOBER	2	40				18	18	2	63
NOVEMBER	2	40				0	4	2	47
DECEMBER	2	40				0	4	2	47

Table 3d. FORAGE BALANCE CHART

	TOTAL AUMs REQUIRED	ALFALFA	GRASS HAY	NATIVE RANGELAND	TOTAL AUMs SUPPLIED	HAY
JANUARY	47	2	5	0	7	41
FEBRUARY	47	2	5	0	7	41
MARCH	48	0	6	0	6	42
APRIL	48	0	6	0	6	42
MAY	48	0	0	48	48	0
JUNE	48	0	0	48	48	0
JULY	48	0	0	48	48	0
AUGUST	48	0	0	48	48	0
SEPTEMBER	48	0	0	48	48	0
OCTOBER	63	2	0	48	50	13
NOVEMBER	47	2	5	0	7	41
DECEMBER	47	2	5	0	7	41
Total AUMs	590	10	30	289	329	261

TABLE 4. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 40 acre farm with above average management, Northern Mountain Counties, 2003.
Planting dates: August 1- September 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
<u>PURCHASED INPUTS</u>									
SEED	\$2.95	17 LBS		\$50.15					\$50.15
NITROGEN (N)	\$0.36	0 LBS		\$0.00					\$0.00
PHOSPHATE (P2O5)	\$0.33	0 LBS		\$0.00					\$0.00
CANAL WATER		12 AC. IN.							
SUBTOTAL				\$50.15					\$50.15
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	40 HP	0.31 HR		\$1.60	\$1.30	\$0.03	\$0.79	\$3.72	
PLOW	40 HP	1.31 HR		\$6.75	\$5.49	\$0.15	\$3.34	\$15.72	
DISC (1X)	40 HP	0.31 HR		\$1.60	\$1.30	\$0.03	\$0.79	\$3.72	
BORDER DISC	40 HP	0.05 HR		\$0.26	\$0.21	\$0.05	\$3.63	\$4.15	
DRILL	40 HP	0.41 HR		\$2.11	\$1.72	\$0.05	\$1.04	\$4.92	
IRRIGATE (2X)		1.00 HR		\$5.15				\$5.15	
SUBTOTAL		3.39 HR		\$17.46	\$10.01	\$0.32	\$9.59	\$37.38	
<u>OVERHEAD EXPENSES</u>									
DOWNTIME		1.20 HR		\$6.18					\$6.18
EMPLOYEE BENEFITS				\$2.10					\$2.10
INSURANCE			\$0.35					\$0.35	
SUPERVISION AND MANAGEMENT				\$8.32					\$8.32
SUBTOTAL		1.20 HR	\$0.35	\$16.60					\$16.95
TOTAL OPERATING EXPENSES		4.59 HR	\$50.50	\$34.06	\$10.01	\$0.32	\$9.59	\$104.47	

TABLE 5. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 40 acre farm with above average management, Northern Mountain Counties, 2003.
Harvest dates: June 10 - October 1

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
ALFALFA HAY	\$140.00	2.00 TONS (STACKED)						\$280.00
GRAZING	\$10.00	1.00 AUM						\$10.00
TOTAL							\$290.00	
PURCHASED INPUTS		PRICE	QUANTITY	PURCHASED INPUTS		FIXED COST	TOTAL	
NITROGEN (N)	\$0.36	0 LBS		\$0.00			\$0.00	
PHOSPHATE (P2O5)	\$0.33	55 LBS		\$18.15			\$18.15	
INSECTICIDE (CUSTOM)	\$0.00	0 ACRE		\$0.00			\$0.00	
WIRE	\$0.39	17 LBS		\$6.68			\$6.68	
ESTABLISHMENT: Principal		8 YEARS				\$13.06	\$13.06	
: Interest						\$4.65	\$4.65	
CANAL WATER		18 AC. IN.				\$7.00	\$7.00	
SUBTOTAL				\$24.83		\$24.71	\$49.54	
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (3X)		2.25 HR		\$11.59				\$11.59
SUBTOTAL		2.25 HR		\$11.59				\$11.59
HARVEST OPERATIONS								
MOWER (3X)	40 HP	1.35 HR		\$6.95	\$5.65	\$1.24	\$11.91	\$25.75
BALER (5X)	40 HP	0.81 HR		\$4.17	\$3.39	\$0.40	\$18.86	\$26.82
RAKE (3X)	40 HP	0.78 HR		\$4.02	\$3.27	\$0.62	\$19.26	\$27.17
SUBTOTAL		2.94 HR		\$15.14	\$12.32	\$2.26	\$50.03	\$79.75
OVERHEAD EXPENSES								
DOWNTIME		0.74 HR		\$3.79				\$3.79
EMPLOYEE BENEFITS				\$3.21				\$3.21
INSURANCE			\$0.53					\$0.53
LAND TAXES							\$4.14	\$4.14
SUPERVISION AND MANAGEMENT				\$24.02				\$24.02
OTHER EXPENSES			\$70.04					\$70.04
SUBTOTAL		0.74 HR		\$70.57	\$31.01		\$4.14	\$105.73
TOTAL OPERATING EXPENSES		5.93 HR		\$95.41	\$57.74	\$12.32	\$2.26	\$78.88
NET OPERATING PROFIT								\$43.39
INTEREST ON OPERATING CAPITAL	(	\$13.63	@	8.00%	)			\$1.09
INTEREST ON EQUIPMENT INVESTMENT								\$33.22
RETURN TO LAND AND RISK								\$9.09

BUDGET SUMMARY

GROSS RETURN		\$290.00	
VARIABLE OPERATING EXPENSES	\$109.98		
RETURN OVER VARIABLE EXPENSES		\$180.02	(GROSS MARGIN)
FIXED EXPENSES	\$78.88		
NET FARM INCOME		\$101.14	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$57.74		
NET OPERATING PROFIT		\$43.39	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$34.31		
RETURN TO LAND AND RISK		\$9.09	

TABLE 5. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 40 acre farm with above average management, Northern Mountain Counties, 2003.
Harvest dates: June 10 - October 1

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
ALFALFA HAY	\$140.00	2.00 TONS (STACKED)						\$280.00
GRAZING	\$10.00	1.00 AUM						\$10.00
TOTAL							\$290.00	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
NITROGEN (N)	\$0.36	0 LBS	\$0.00					\$0.00
PHOSPHATE (P2O5)	\$0.33	55 LBS	\$18.15					\$18.15
INSECTICIDE (CUSTOM)	\$0.00	0 ACRE	\$0.00					\$0.00
WIRE	\$0.39	17 LBS	\$6.68					\$6.68
ESTABLISHMENT: Principal		8 YEARS					\$13.06	\$13.06
: Interest							\$4.65	\$4.65
CANAL WATER		18 AC. IN.					\$7.00	\$7.00
SUBTOTAL			\$24.83				\$24.71	\$49.54
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (3X)		2.25 HR		\$11.59				\$11.59
SUBTOTAL		2.25 HR		\$11.59				\$11.59
HARVEST OPERATIONS								
MOWER (3X)	40 HP	1.35 HR		\$6.95	\$5.65	\$1.24	\$11.91	\$25.75
BALER (5X)	40 HP	0.81 HR		\$4.17	\$3.39	\$0.40	\$18.86	\$26.82
RAKE (3X)	40 HP	0.78 HR		\$4.02	\$3.27	\$0.62	\$19.26	\$27.17
SUBTOTAL		2.94 HR		\$15.14	\$12.32	\$2.26	\$50.03	\$79.75
OVERHEAD EXPENSES								
DOWNTIME		0.74 HR		\$3.79				\$3.79
EMPLOYEE BENEFITS				\$3.21				\$3.21
INSURANCE			\$0.53					\$0.53
LAND TAXES							\$4.14	\$4.14
SUPERVISION AND MANAGEMENT				\$24.02				\$24.02
OTHER EXPENSES			\$70.04					\$70.04
SUBTOTAL		0.74 HR	\$70.57	\$31.01			\$4.14	\$105.73
TOTAL OPERATING EXPENSES		5.93 HR	\$95.41	\$57.74	\$12.32	\$2.26	\$78.88	\$246.61
NET OPERATING PROFIT								\$43.39
INTEREST ON OPERATING CAPITAL	(	\$13.63	@	8.00%	)			\$1.09
INTEREST ON EQUIPMENT INVESTMENT								\$33.22
RETURN TO LAND AND RISK								\$9.09

BUDGET SUMMARY

GROSS RETURN		\$290.00	
VARIABLE OPERATING EXPENSES	\$109.98		
RETURN OVER VARIABLE EXPENSES		\$180.02	(GROSS MARGIN)
FIXED EXPENSES	\$78.88		
NET FARM INCOME		\$101.14	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$57.74		
NET OPERATING PROFIT		\$43.39	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$34.31		
RETURN TO LAND AND RISK		\$9.09	

TABLE 5a. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for a 40 acre farm with above average management, Northern Mountain Counties, 2003.
Planting dates: May 15 - July 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
<u>PURCHASED INPUTS</u>								
FESCUE SEED	\$2.85	17 LBS	\$48.45					\$48.45
NITROGEN	\$0.36	70 LBS	\$25.20					\$25.20
CANAL WATER		18 AC. IN.						
SUBTOTAL			\$73.65					\$73.65
<u>PREHARVEST OPERATIONS</u>	<u>POWER UNIT</u>	<u>ACCOMPLISHMENT RATE</u>	<u>PURCHASED INPUTS</u>	<u>LABOR</u>	<u>FUEL & LUBE</u>	<u>REPAIRS</u>	<u>FIXED COST</u>	<u>TOTAL</u>
DISC	40 HP	0.31 HR		\$1.60	\$1.30	\$0.03	\$0.79	\$3.72
PLOW	40 HP	1.31 HR		\$6.75	\$5.49	\$0.15	\$3.34	\$15.72
FERTILIZE	40 HP	0.05 HR		\$0.26	\$0.21	\$0.01	\$0.13	\$0.60
FLOAT	40 HP	0.32 HR		\$1.65	\$1.34	\$0.04	\$0.82	\$3.84
BORDER DISC	40 HP	0.00 HR		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DRILL	40 HP	0.41 HR		\$2.11	\$1.72	\$0.05	\$1.04	\$4.92
IRRIGATE (3X)		2.25 HR		\$11.59				\$11.59
SUBTOTAL		4.65 HR		\$23.95	\$10.05	\$0.27	\$6.11	\$40.38
<u>OVERHEAD EXPENSES</u>								
DOWNTIME		0.60 HR		\$3.09				\$3.09
EMPLOYEE BENEFITS				\$5.99				\$5.99
INSURANCE			\$0.48					\$0.48
SUPERVISION AND MANAGEMENT				\$11.43				\$11.43
SUBTOTAL		0.60 HR	\$0.48	\$20.51				\$20.99
TOTAL OPERATING EXPENSES		5.25 HR	\$74.13	\$44.46	\$10.05	\$0.27	\$6.11	\$135.02

TABLE 6. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for a 40 acre farm with above with above average management, Northern Mountain Counties, 2003.
Harvest dates: Year Round

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
PASTURE	\$12.00	9.00 AUMS						\$108.00
TOTAL								\$108.00
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
PHOSPHATE	\$0.33	34	\$11.22					\$11.22
NITROGEN	\$0.36	70 LBS	\$25.20					\$25.20
ESTABLISHMENT: Principal		20 YEARS					\$6.75	\$6.75
: Interest							\$6.68	\$6.68
CANAL WATER		24 AC. IN.					\$7.00	\$7.00
SUBTOTAL			\$36.42				\$20.44	\$56.86
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZE	40HP	0.05		\$0.26	\$0.21	\$0.01	\$0.13	\$0.60
IRRIGATE (3X)		5.00 HR		\$25.75				\$25.75
CLEAN DITCHES CUSTOM			\$5.00					\$5.00
SUBTOTAL		5.00 HR	\$5.00	\$26.01	\$0.21	\$0.01	\$0.13	\$31.35
OVERHEAD EXPENSES								
DOWNTIME		0.00 HR		\$0.00				\$0.00
EMPLOYEE BENEFITS				\$3.12				\$3.12
INSURANCE			\$0.52					\$0.52
LAND TAXES							\$4.14	\$4.14
SUPERVISION AND MANAGEMENT				\$10.06				\$10.06
OTHER EXPENSES			\$70.04					\$70.04
SUBTOTAL		0.00 HR	\$70.56	\$13.18			\$4.14	\$87.88
TOTAL OPERATING EXPENSES		5.00 HR	\$111.98	\$39.19	\$0.21	\$0.01	\$24.71	\$176.09
NET OPERATING PROFIT								(\$68.09)
INTEREST ON OPERATING CAPITAL	(	\$56.86	@	8.00%	)			\$2.79
INTEREST ON EQUIPMENT INVESTMENT								\$0.00
RETURN TO LAND AND RISK								(\$70.88)

BUDGET SUMMARY

GROSS RETURN	\$108.00	
VARIABLE OPERATING EXPENSES	\$112.19	
RETURN OVER VARIABLE EXPENSES	(\$4.19)	(GROSS MARGIN)
FIXED EXPENSES	\$24.71	
NET FARM INCOME	(\$28.90)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$39.19	
NET OPERATING PROFIT	(\$68.09)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$2.79	
RETURN TO LAND AND RISK	(\$70.88)	

TABLE 7. Oat hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2003.
 Planting dates: March 1 - March 31
 Harvest dates: June 15 - July 1

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
OAT HAY	\$108.00	2.50 TONS (STACKED)						\$270.00	
TOTAL								\$270.00	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS		FIXED COST		TOTAL	
SEED	\$0.23	100	LBS	\$23.00				\$23.00	
ANHYDROUS AMMONIA (NH3)	\$0.0000	100	LBS	\$0.00				\$0.00	
WIRE	\$0.39	21	LBS	\$8.36				\$8.36	
CANAL WATER		24	AC. IN.			\$25.00		\$25.00	
SUBTOTAL				\$31.36		\$25.00		\$56.36	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	96 HP	0.17	HR		\$0.88	ERR	ERR	ERR	ERR
PLOW	96 HP	0.67	HR		\$3.45	ERR	ERR	ERR	ERR
DISC (2X)	96 HP	0.34	HR		\$1.75	ERR	ERR	ERR	ERR
LAND PLANE	96 HP	0.19	HR		\$0.98	ERR	ERR	ERR	ERR
BORDER DISC	65 HP	0.05	HR		\$0.26	\$0.21	\$0.05	\$3.63	\$4.15
DRILL	65 HP	0.25	HR		\$1.29	\$1.05	\$0.03	\$0.64	\$3.00
IRRIGATE (5X)		2.50	HR		\$12.88				\$12.88
SUBTOTAL		4.17 HR			\$21.48	ERR	ERR	ERR	ERR
HARVEST OPERATIONS									
SWATHER	14 FT.	0.16	HR		\$0.82	\$0.00	\$0.13	\$1.00	\$1.96
BALER	65 HP	0.21	HR		\$1.08	\$0.88	\$0.10	\$4.89	\$6.95
BALE WAGON	96 HP	0.20	HR		\$1.03	ERR	ERR	ERR	ERR
SUBTOTAL		0.57 HR			\$2.94	ERR	ERR	ERR	ERR
OVERHEAD EXPENSES									
DOWNTIME		0.56	HR		\$2.88				\$2.88
EMPLOYEE BENEFITS					\$2.93				\$2.93
INSURANCE				\$0.49					\$0.49
LAND TAXES								\$2.07	\$2.07
SUPERVISION AND MANAGEMENT					\$22.52				\$22.52
OTHER EXPENSES				\$35.02					\$35.02
SUBTOTAL		0.56 HR			\$35.51			\$2.07	\$65.91
TOTAL OPERATING EXPENSES		5.30 HR			\$66.86	\$52.74	ERR	ERR	ERR
NET OPERATING PROFIT									ERR
INTEREST ON OPERATING CAPITAL	(	ERR	@	8.00%	)				ERR
INTEREST ON EQUIPMENT INVESTMENT									\$3.12
RETURN TO LAND AND RISK									ERR

BUDGET SUMMARY

GROSS RETURN		\$270.00	
VARIABLE OPERATING EXPENSES	ERR		
RETURN OVER VARIABLE EXPENSES	ERR		(GROSS MARGIN)
FIXED EXPENSES	ERR		
NET FARM INCOME	ERR		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$52.74		
NET OPERATING PROFIT	ERR		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	ERR		
RETURN TO LAND AND RISK	ERR		

TABLE 8. Summary of per acre costs and returns, 40 acre farm with above average management, Northern Mountain Counties, 2002.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	GRASS HAY ESTABL.	GRASS HAY
	-----FLOOD-----			
		TONS	TONS	TONS
PRIMARY YIELD		2.00		2.00
PRIMARY PRICE		140.00		130.00
GOVERNMENT PAYMENTS		0.00		0.00
SECOND INCOME		10.00		10.00
GROSS RETURN		\$290.00		\$270.00
CASH OPERATING EXPENSES				
SEED	\$50.15		\$6.45	
FERTILIZER	\$0.00	\$18.15	\$36.75	\$0.00
CHEMICALS		\$0.00	\$0.00	
CROP INSURANCE				
OTHER PURCHASED INPUTS		\$6.68		\$6.68
CANAL WATER		\$7.00	\$0.00	\$25.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$10.01	\$12.32	\$9.84	\$1.89
FUEL-IRRIGATION				
REPAIRS	\$0.32	\$2.26	\$0.27	\$0.59
CUSTOM CHARGES	\$0.00			
LAND TAXES		\$4.14	\$0.00	\$11.78
OTHER EXPENSES	\$0.35	\$70.57	\$70.51	\$70.51
TOTAL CASH EXPENSES	\$60.83	\$121.13	\$123.82	\$116.45
RETURN OVER CASH EXPENSES	(\$60.83)	\$168.87	(\$123.82)	\$153.55
FIXED EXPENSES	\$9.59	\$67.74	\$10.72	\$41.06
TOTAL EXPENSES	\$70.42	\$188.86	\$134.54	\$157.51
NET FARM INCOME	(\$70.42)	\$101.14	(\$134.54)	\$112.49
LABOR AND MANAGEMENT COSTS	\$34.06	\$57.74	\$123.95	\$45.66
NET OPERATING PROFIT	(\$104.47)	\$43.39	(\$258.49)	\$66.83
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		\$1.09	\$0.00	\$2.88
INTEREST ON EQUIPMENT INVESTMENT		\$33.22	\$0.00	\$12.01
TOTAL CAPITAL COSTS	\$0.00	\$34.31	\$0.00	\$14.89
RETURN TO LAND AND RISK	(\$104.47)	\$9.09	(\$258.49)	\$51.94

Table 8a. Livestock Enterprise, cost and returns for a 40 acre farm with livestock as the primary enterprise, with above average management, Northern Mountain Counties, 2003.

GROSS RETURNS						
NUMBER		\$/CWT	Sale Weight (CWT)	Total (\$)	Guideline Value (\$/Cow)	Guideline Value (\$/AU)
0	YEARLING HEIFERS	\$92.00	4.85	\$0	\$0.00	\$0.00
0	YEARLING STEERS	102.00	5.25	0	0.00	\$0.00
13	HEIFER CALVES	110.00	4.20	6,006	150.15	\$122.14
17	STEER CALVES	120.00	4.70	9,588	239.70	\$194.99
0	BULLS	41.00	14.75	0	0.00	\$0.00
4	CULL COWS	36.00	8.85	1,274	31.86	\$25.92
560	MANURE	0.13	8.00	560	14.00	\$11.39
TOTAL				\$17,428	\$435.71	\$354.44

NUMBER	PURCHASED INPUTS	Unit	\$/Unit	Total	Guideline Value (\$/Cow)	Guideline Value (\$/AU)
FORAGE:						
10	ALFALFA	AUM	\$10.00	\$100	\$2.50	\$2.03
30	GRASS HAY	AUM	\$10.00	\$300	\$7.50	\$6.10
289	NATIVE RANGELAND	AUM	\$1.35	\$390	\$9.75	\$7.94
SUBTOTAL				\$790	\$20	\$16

	LABOR, FEED, LIVESTOCK:	Unit	\$/Unit	Total	(\$/Cow)	(\$/AU)
1	PROTEIN SUPPLEMENT	TON	245	196	\$4.90	\$3.99
0	SALT & MINERALS	TON	200	64	1.60	1.30
104	HAY	TON	140	14,618	365.44	297.28
0	GRAIN	TON	200	0	0.00	0.00
0	GRAIN CUBES	TON	200	0	0.00	0.00
	FUEL AND REPAIRS	ANNUAL		0	0.00	0.00
	VETERINARY AND MEDICINE	ANNUAL		795	19.88	16.17
0	BULLS PURCHASED	HEAD	1300	0	0.00	0.00
	LIVESTOCK TAXES	ANNUAL		7	0.18	0.15
	MAINTENANCE	ANNUAL		0	0.00	0.00
44	PREGNANCY TEST	HEAD	2	88	2.00	1.79
63	LABOR	HOUR	5	316	7.90	6.43
34	BEEF CHECKOFF PROGRAM	HEAD	1	34	0.85	0.69
	MISCELLANEOUS	ANNUAL		0	0.00	0.00
SUBTOTAL				\$16,118	\$402.75	\$327.79

OVERHEAD EXPENSES						
	EMPLOYEE BENEFITS			0	\$0.00	\$0.00
	INSURANCE			0	\$0.00	\$0.00
	DEPRECIATION			523	\$13.06	\$10.63
	SUPERVISION AND MANAGEMENT			164	\$4.11	\$3.34
	OTHER EXPENSES			665	\$16.63	\$13.53
SUBTOTAL				\$1,352	\$33.80	\$27.50

TOTAL OPERATING EXPENSES				\$18,260	\$456.51	\$371.36
NET OPERATING PROFIT				(\$832)	(\$20.79)	(\$16.92)

CAPITAL COST						
	INTEREST ON OPERATING CAPITAL			\$656	\$16	\$13
	INTEREST ON MACHINERY AND IMPROVEMENTS			\$730	\$18	\$15
	INTEREST ON LIVESTOCK			\$0	\$0	\$0
TOTAL CAPITAL COST				\$1,386	\$35	\$28

RETURN TO RISK				(\$2,217)	(\$55)	(\$45)
RATE OF RETURN ON INVESTMENT				-1.9909%		

BUDGET SUMMARY						
GROSS RETURN					\$17,428	
VARIABLE OPERATING EXPENSES				\$16,908		
RETURN OVER VARIABLE EXPENSES					\$520	
FIXED EXPENSES				\$1,188		
NET FARM INCOME					(\$667)	
LABOR AND MANAGEMENT COST				\$164		
NET OPERATING PROFIT					(\$832)	
CAPITAL COST				\$1,386		
RETURN TO LAND AND RISK					(\$2,217)	

TABLE 9. Whole farm budget summary, Northern Mountain Counties, 2002.

GROSS RETURNS		
ALFALFA HAY	10.0 ACRES	
CROP		\$2,800
GRAZING		\$100
PERMANENT PASTURE	0.0 ACRES	
GRAZING		\$0
SUDAN HAY (AOH)	0.0 ACRES	
CROP		\$0
GRAZING		\$0
GRASS HAY	30.0 ACRES	
CROP		\$7,800
GRAZING		\$300
LIVESTOCK		\$17,428
GROSS RETURN		\$28,428
CASH OPERATING EXPENSES		
FORAGE		\$790
LIVESTOCK FEED		\$16,118
SEED		\$50
FERTILIZER		\$182
CHEMICALS		\$0
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$267
CANAL WATER		\$820
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$190
FUEL-IRRIGATION		\$0
REPAIRS		\$41
CUSTOM CHARGES		\$0
LAND TAXES		\$395
OTHER EXPENSES		\$2,821
TOTAL CASH EXPENSES		\$21,674
RETURN OVER CASH EXPENSES		\$6,755
FIXED EXPENSES		\$1,788
TOTAL EXPENSES		\$23,462
NET FARM INCOME		\$4,966
LABOR AND MANAGEMENT COSTS		\$1,981
NET OPERATING PROFIT		\$2,985
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$97
INTEREST ON EQUIPMENT INVESTMENT		\$693
TOTAL CAPITAL COSTS		\$790
RETURN TO LAND AND RISK		\$2,195

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$1,000 /ACRE	\$595	6.39%
\$2,000 /ACRE	(\$1,005)	3.44%
\$3,000 /ACRE	(\$2,605)	2.36%
\$4,000 /ACRE	(\$4,205)	1.79%
\$5,000 /ACRE	(\$5,805)	1.44%
\$6,000 /ACRE	(\$7,405)	1.21%
\$7,000 /ACRE	(\$9,005)	1.04%

* 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 10. Corn silage, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2003.
 Planting dates: April 15 - May 15
 Harvest dates: August 20 - October 15

ITEM	PRICE	YIELD						TOTAL		
GROSS RETURNS										
CORN SILAGE	\$28.00	22.00	TONS	(HAULED)				\$616.00		
TOTAL								\$616.00		
PURCHASED INPUTS										
PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$72.50	25	000	\$22.66				\$22.66	\$22.66	
ANHYDROUS AMMONIA (NH3)	\$0.0000	225	LBS	\$0.00				\$0.00	\$0.00	
NITROGEN (N)	\$0.36	40	LBS	\$14.40				\$14.40	\$14.40	
PHOSPHATE (P2O5)	\$0.33	90	LBS	\$29.70				\$29.70	\$29.70	
HERBICIDE	\$5.50	1	X/ACRE	\$5.50				\$5.50	\$5.50	
INSECTICIDE (CUSTOM)	\$15.18	1	X/ACRE	\$15.18				\$15.18	\$15.18	
CANAL WATER		36	AC. IN.					\$25.00	\$25.00	
SUBTOTAL				\$87.44				\$25.00	\$112.44	
PREHARVEST OPERATIONS										
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	96 HP	0.17	HR		\$0.88	ERR	ERR	ERR	ERR	
PLOW	96 HP	0.67	HR		\$3.45	ERR	ERR	ERR	ERR	
DISC (2X)	96 HP	0.34	HR		\$1.75	ERR	ERR	ERR	ERR	
LAND PLANE	96 HP	0.19	HR		\$0.98	ERR	ERR	ERR	ERR	
SPRAYER	65 HP	0.15	HR		\$0.77	\$0.63	\$0.02	\$0.38	\$1.80	
LISTER	65 HP	0.18	HR		\$0.93	\$0.75	ERR	ERR	ERR	
PRE-IRRIGATE		0.75	HR		\$3.86				\$3.86	
HARROW	65 HP	0.19	HR		\$0.98	\$0.80	\$0.02	\$0.83	\$2.63	
PLANTER	96 HP	0.26	HR		\$1.34	ERR	ERR	ERR	ERR	
CULTIVATOR (2X)	65 HP	0.42	HR		\$2.16	\$1.76	ERR	ERR	ERR	
IRRIGATE (6X)		3.00	HR		\$15.45				\$15.45	
SUBTOTAL		6.32 HR			\$32.55	ERR	ERR	ERR	ERR	
HARVEST OPERATIONS										
ENSILAGE CHOPPER (CUSTOM)				\$55.00				\$55.00	\$55.00	
HAUL (CUSTOM)				\$100.00				\$100.00	\$100.00	
SUBTOTAL				\$155.00				\$155.00	\$155.00	
OVERHEAD EXPENSES										
DOWNTIME		0.60	HR		\$3.06				\$3.06	
EMPLOYEE BENEFITS					\$3.91				\$3.91	
INSURANCE				\$0.65				\$0.65	\$0.65	
LAND TAXES								\$4.14	\$4.14	
SUPERVISION AND MANAGEMENT					\$48.18				\$48.18	
OTHER EXPENSES				\$70.04				\$70.04	\$70.04	
SUBTOTAL		0.60 HR		\$70.69	\$55.15				\$4.14	\$129.98
TOTAL OPERATING EXPENSES		6.92 HR		\$313.12	\$87.69	ERR	ERR	ERR	ERR	
NET OPERATING PROFIT									ERR	
INTEREST ON OPERATING CAPITAL	(	ERR	@	8.00%				ERR	ERR
INTEREST ON EQUIPMENT INVESTMENT								\$10.65	\$10.65	
RETURN TO LAND AND RISK									ERR	

BUDGET SUMMARY

GROSS RETURN		\$616.00	
VARIABLE OPERATING EXPENSES	ERR		
RETURN OVER VARIABLE EXPENSES	ERR		(GROSS MARGIN)
FIXED EXPENSES	ERR		
NET FARM INCOME	ERR		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$87.69		
NET OPERATING PROFIT	ERR		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	ERR		
RETURN TO LAND AND RISK	ERR		

TABLE 11. Wheat for grain, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2003.
 Planting dates: September 15 - October 15
 Harvest dates: July 1 - July 15

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
GRAIN	\$5.75	25.00	CWT					\$143.75	
ASCS DEFICIENCY	\$1.02	25.00	CWT					\$25.50	
ASCS DIVERSION	\$0.00							\$0.00	
GRAZING	\$25.00	1.00	ACRE					\$25.00	
TOTAL								\$194.25	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS		FIXED COST		TOTAL	
SEED	\$0.23	100	LBS	\$23.00				\$23.00	
ANHYDROUS AMMONIA (NH3)	\$0.0000	200	LBS	\$0.00				\$0.00	
NITROGEN (N)	\$0.36	200	LBS	\$72.00				\$72.00	
PHOSPHATE (P205)	\$0.33	90	LBS	\$29.70				\$29.70	
CANAL WATER		24	AC. IN.			\$25.00		\$25.00	
CROP INSURANCE	\$0.00							\$0.00	
SUBTOTAL				\$124.70		\$25.00		\$149.70	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	96 HP	0.17	HR		\$0.88	ERR	ERR	ERR	ERR
PLOW	96 HP	0.67	HR		\$3.45	ERR	ERR	ERR	ERR
DISC (2X)	96 HP	0.34	HR		\$1.75	ERR	ERR	ERR	ERR
LAND PLANE	96 HP	0.19	HR		\$0.98	ERR	ERR	ERR	ERR
BORDER DISC	65 HP	0.05	HR		\$0.26	\$0.21	\$0.05	\$3.63	\$4.15
DRILL	65 HP	0.25	HR		\$1.29	\$1.05	\$0.03	\$0.64	\$3.00
IRRIGATE (6X)		3.00	HR		\$15.45				\$15.45
SUBTOTAL		4.67 HR			\$24.05	ERR	ERR	ERR	ERR
HARVEST OPERATIONS									
COMBINE (CUSTOM)					\$16.75				\$16.75
HAUL (CUSTOM)					\$4.75				\$4.75
SUBTOTAL					\$21.50				\$21.50
OVERHEAD EXPENSES									
DOWNTIME		0.42	HR		\$2.15				\$2.15
EMPLOYEE BENEFITS					\$2.89				\$2.89
INSURANCE					\$0.48				\$0.48
LAND TAXES								\$4.14	\$4.14
SUPERVISION AND MANAGEMENT					\$17.43				\$17.43
OTHER EXPENSES					\$70.04				\$70.04
SUBTOTAL		0.42 HR			\$70.52			\$4.14	\$97.13
TOTAL OPERATING EXPENSES		5.09 HR			\$216.72	ERR	ERR	ERR	ERR
NET OPERATING PROFIT									
INTEREST ON OPERATING CAPITAL	(	\$112.00	@	8.00%	)				\$8.96
INTEREST ON EQUIPMENT INVESTMENT									\$12.01
RETURN TO LAND AND RISK								ERR	

BUDGET SUMMARY

GROSS RETURN		\$194.25	
VARIABLE OPERATING EXPENSES	ERR		
RETURN OVER VARIABLE EXPENSES	ERR		(GROSS MARGIN)
FIXED EXPENSES	ERR		
NET FARM INCOME	ERR		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$46.52		
NET OPERATING PROFIT	ERR		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$20.97		
RETURN TO LAND AND RISK	ERR		

TABLE 12. Barley for grain, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2003.
 Planting dates: September 15 - October 15
 Harvest dates: July 1 - July 15

ITEM	PRICE	YIELD						TOTAL		
GROSS RETURNS										
GRAIN	\$3.02	45.00	CWT					\$135.90		
ASCS DEFICIENCY	\$0.96	45.00	CWT					\$43.20		
ASCS DIVERSION	\$0.00	0.00	CWT					\$0.00		
GRAZING	\$25.00	1.00	ACRE					\$25.00		
TOTAL								\$204.10		
PURCHASED INPUTS										
PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$0.22	100	LBS	\$22.00					\$22.00	
ANHYDROUS AMMONIA (NH3)	\$0.0000	200	LBS	\$0.00					\$0.00	
NITROGEN (N)	\$0.36	40	LBS	\$14.40					\$14.40	
PHOSPHATE (P205)	\$0.33	90	LBS	\$29.70					\$29.70	
CANAL WATER		24	AC. IN.					\$25.00	\$25.00	
CROP INSURANCE	ERR								ERR	
SUBTOTAL				\$66.10				\$25.00	ERR	
PREHARVEST OPERATIONS										
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	96 HP	0.17	HR		\$0.88	ERR	ERR	ERR	ERR	
PLOW	96 HP	0.67	HR		\$3.45	ERR	ERR	ERR	ERR	
DISC (2X)	96 HP	0.34	HR		\$1.75	ERR	ERR	ERR	ERR	
LAND PLANE	96 HP	0.19	HR		\$0.98	ERR	ERR	ERR	ERR	
BORDER DISC	65 HP	0.05	HR		\$0.26	\$0.21	\$0.05	\$3.63	\$4.15	
DRILL	65 HP	0.25	HR		\$1.29	\$1.05	\$0.03	\$0.64	\$3.00	
IRRIGATE (6X)		3.00	HR		\$15.45				\$15.45	
SUBTOTAL		4.67	HR		\$24.05	ERR	ERR	ERR	ERR	
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					\$2.89				\$2.89	
INSURANCE				\$0.48					\$0.48	
LAND TAXES								\$4.14	\$4.14	
SUPERVISION AND MANAGEMENT					\$18.12				\$18.12	
OTHER EXPENSES				\$70.04					\$70.04	
SUBTOTAL		0.42	HR	\$70.52	\$23.16				\$4.14	\$97.82
TOTAL OPERATING EXPENSES		5.09	HR	\$175.77	\$47.21	ERR	ERR	ERR	ERR	
NET OPERATING PROFIT									ERR	
INTEREST ON OPERATING CAPITAL	(	ERR	@	8.00%					ERR
INTEREST ON EQUIPMENT INVESTMENT									\$2.93	
RETURN TO LAND AND RISK									ERR	

BUDGET SUMMARY

GROSS RETURN		\$204.10	
VARIABLE OPERATING EXPENSES	ERR		
RETURN OVER VARIABLE EXPENSES	ERR		(GROSS MARGIN)
FIXED EXPENSES	ERR		
NET FARM INCOME	ERR		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$47.21		
NET OPERATING PROFIT	ERR		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	ERR		
RETURN TO LAND AND RISK	ERR		

TABLE 13. Corn for grain, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2003.
 Planting dates: April 15 - May 15
 Harvest dates: October 20 - November 20

ITEM	PRICE	YIELD						TOTAL		
GROSS RETURNS										
CORN	\$4.38	85.00	CWT					\$372.30		
ASCS DEFICIENCY	\$0.48	85.00	CWT					\$40.80		
ASCS DIVERSION	\$0.00	0.00	CWT					\$0.00		
GRAZING	\$10.00	1.00	ACRE					\$10.00		
TOTAL								\$423.10		
PURCHASED INPUTS										
PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$72.50	25	000	\$22.66					\$22.66	
ANHYDROUS AMMONIA (NH3)	\$0.0000	250	LBS	\$0.00					\$0.00	
NITROGEN (N)	\$0.36	40	LBS	\$14.40					\$14.40	
PHOSPHATE (P2O5)	\$0.33	90	LBS	\$29.70					\$29.70	
INSECTICIDE (CUSTOM)	\$11.00	2	X/ACRE	\$22.00					\$22.00	
HERBICIDE	\$7.48	1	X/ACRE	\$7.48					\$7.48	
CANAL WATER		48	AC. IN.					\$25.00	\$25.00	
CROP INSURANCE	ERR								ERR	
SUBTOTAL				\$96.24				\$25.00	ERR	
PREHARVEST OPERATIONS										
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	96 HP	0.17	HR		\$0.88	ERR	ERR	ERR	ERR	
PLOW	96 HP	0.67	HR		\$3.45	ERR	ERR	ERR	ERR	
DISC (2X)	96 HP	0.34	HR		\$1.75	ERR	ERR	ERR	ERR	
LAND PLANE	96 HP	0.19	HR		\$0.98	ERR	ERR	ERR	ERR	
SPRAYER	65 HP	0.15	HR		\$0.77	\$0.63	\$0.02	\$0.38	\$1.80	
LISTER	65 HP	0.18	HR		\$0.93	\$0.75	ERR	ERR	ERR	
PRE-IRRIGATE		0.75	HR		\$3.86				\$3.86	
HARROW	65 HP	0.19	HR		\$0.98	\$0.80	\$0.02	\$0.83	\$2.63	
PLANTER	96 HP	0.26	HR		\$1.34	ERR	ERR	ERR	ERR	
CULTIVATOR (2X)	65 HP	0.42	HR		\$2.16	\$1.76	ERR	ERR	ERR	
IRRIGATE (8X)		4.00	HR		\$20.60				\$20.60	
SUBTOTAL		7.32	HR		\$37.70	ERR	ERR	ERR	ERR	
HARVEST OPERATIONS										
COMBINE (CUSTOM)				\$35.70					\$35.70	
HAUL (CUSTOM)				\$17.00					\$17.00	
SUBTOTAL				\$52.70					\$52.70	
OVERHEAD EXPENSES										
DOWNTIME	0.38		HR		\$1.96				\$1.96	
EMPLOYEE BENEFITS					\$4.52				\$4.52	
INSURANCE					\$0.75				\$0.75	
LAND TAXES								\$4.14	\$4.14	
SUPERVISION AND MANAGEMENT					\$34.38				\$34.38	
OTHER EXPENSES					\$70.04				\$70.04	
SUBTOTAL		0.38	HR		\$70.79	\$40.86			\$4.14	\$115.79
TOTAL OPERATING EXPENSES		7.70	HR		\$219.73	\$78.56	ERR	ERR	ERR	
NET OPERATING PROFIT										
INTEREST ON OPERATING CAPITAL (ERR @ 8.00%)										
INTEREST ON EQUIPMENT INVESTMENT										
								\$2.93		
RETURN TO LAND AND RISK										
								ERR		
BUDGET SUMMARY										
GROSS RETURN				\$423.10						
VARIABLE OPERATING EXPENSES	ERR									
RETURN OVER VARIABLE EXPENSES	ERR								(GROSS MARGIN)	
FIXED EXPENSES	ERR									
NET FARM INCOME	ERR								(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$78.56									
NET OPERATING PROFIT	ERR								(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	ERR									
RETURN TO LAND AND RISK				ERR						

TABLE 14. Chile, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Socorro County, 2003.
 Planting dates: March 15 - May 1
 Harvest dates: August 1 - October 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GREEN	\$0.15	12000.00 LBS						\$1,800.00
RED	\$1.25	400.00 LBS						\$500.00
TOTAL							\$2,300.00	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$18.00	7 LBS	\$126.00					\$126.00
ANHYDROUS AMMONIA (NH3)	\$0.0000	250 LBS	\$0.00					\$0.00
NITROGEN (N)	\$0.36	10 LBS	\$3.60					\$3.60
PHOSPHATE (P205)	\$0.33	12 LBS	\$3.96					\$3.96
SACKS	\$0.00	330 EACH	\$0.00					\$0.00
HERBICIDE	\$13.75	1 ACRE	\$13.75					\$13.75
CANAL WATER		48 AC. IN.					\$25.00	\$25.00
SUBTOTAL			\$147.31				\$25.00	\$172.31
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	96 HP	0.17 HR		\$0.88	ERR	ERR	ERR	ERR
PLOW	96 HP	0.67 HR		\$3.45	ERR	ERR	ERR	ERR
DISC (2X)	96 HP	0.34 HR		\$1.75	ERR	ERR	ERR	ERR
LAND PLANE	96 HP	0.19 HR		\$0.98	ERR	ERR	ERR	ERR
LISTER	65 HP	0.18 HR		\$0.93	\$0.75	ERR	ERR	ERR
PRE-IRRIGATE		0.75 HR		\$3.86				\$3.86
HARROW	65 HP	0.19 HR		\$0.98	\$0.80	\$0.02	\$0.83	\$2.63
PLANTER	96 HP	0.26 HR		\$1.34	ERR	ERR	ERR	ERR
CULTIVATOR (10X)	96 HP	2.10 HR		\$10.82	ERR	ERR	ERR	ERR
SPRAYER (2X)	65 HP	0.30 HR		\$1.55	\$1.26	\$0.03	\$0.76	\$3.60
THIN & HOE (CUSTOM)			\$100.00					\$100.00
IRRIGATE (11X)		5.50 HR		\$28.33				\$28.33
SUBTOTAL		10.65 HR	\$100.00	\$54.85	ERR	ERR	ERR	ERR
HARVEST OPERATIONS								
HARVEST (CUSTOM)			\$620.00					\$620.00
HAUL & SELL	65 HP	15.00 HR		\$77.25	\$62.83	\$1.69	\$38.21	\$179.98
SUBTOTAL		15.00 HR	\$620.00	\$77.25	\$62.83	\$1.69	\$38.21	\$799.98
OVERHEAD EXPENSES								
DOWNTIME		4.85 HR		\$24.98				\$24.98
EMPLOYEE BENEFITS				\$15.85				\$15.85
INSURANCE			\$2.64					\$2.64
LAND TAXES							\$4.14	\$4.14
SUPERVISION AND MANAGEMENT				ERR				ERR
OTHER EXPENSES			\$70.04					\$70.04
SUBTOTAL		4.85 HR	\$72.68	ERR			\$4.14	ERR
TOTAL OPERATING EXPENSES		30.50 HR	\$939.99	ERR	ERR	ERR	ERR	ERR
NET OPERATING PROFIT								ERR
INTEREST ON OPERATING CAPITAL	(	ERR	@	8.00%)				ERR
INTEREST ON EQUIPMENT INVESTMENT								\$51.96
RETURN TO LAND AND RISK								ERR

BUDGET SUMMARY

GROSS RETURN		\$2,300.00	
VARIABLE OPERATING EXPENSES	ERR		
RETURN OVER VARIABLE EXPENSES	ERR	ERR	(GROSS MARGIN)
FIXED EXPENSES	ERR		
NET FARM INCOME	ERR	ERR	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	ERR		
NET OPERATING PROFIT	ERR	ERR	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	ERR		
RETURN TO LAND AND RISK		ERR	