

TABLE 1. Acreage Summary, San Juan County,
Projected 2006.

BUDGET AREA.....	SAN JUAN COUNTY, 2002.		
FARM SIZE.....	80 ACRES		
IRRIGATION TYPE.....	SPRINKLER		
NUMBER OF CROPS...	1		
	<u>WATER USE</u>		
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	11.00	39	429
ALFALFA	69.00	46	3,174
TOTAL	80.00		3,603
ACRE FEET PER ACRE OF WATER RIGHTS			3.75

TABLE 2. Basic cost information for San Juan County,
Projected 2006.

Item			
Labor Wage Rate:			
Equipment operators		\$/hour	\$6.65
General & Irrigators		\$/hour	\$6.35
Purchased Inputs:			
Fertilizer:			
Phosphate (P205)		\$/pound	\$0.40
Seed:			
Alfalfa		\$/pound	\$3.20
Oats		\$/pound	\$0.32
Wire		\$/pound	\$0.50
Canal Water		\$/acre foot	\$2.75
Energy:			
Diesel fuel		\$/gallon	\$2.10
Gasoline		\$/gallon	\$2.00
Electricity		cents/KwHR	10.69
LP Gas		\$/gallon	\$1.95
Natural Gas		\$/MCF	\$3.28
(service charge)		\$/month	\$10.00
Employee Liability Insurance		\$/ \$1,000 wages	\$20.00
Employee Benefits		percent/wages	18.00%
Labor Downtime		percent	25.00%
Financial Rates:			
Operating Capital Interest Rate		percent	8.00%
Land Interest Rate		percent	8.00%
Equipment Interest Rate		percent	8.00%
Real Interest Rate		percent	3.00%
Land Taxes		\$253.00 /acre (full value)	\$2.10
Personal Property Tax Rate	- NR	\$/ \$1,000 (Assessed Value)	\$24.96
	- R		\$21.09
Supervision Factors			
Field Crop-Irrigation		\$/labor hour	\$1.00
Field Crop-Equipment & General		\$/labor hour	\$0.50
Management Rate		percent	7.00%

TABLE 3. Overhead cost information for San Juan County,
Projected 2006.

Item			
Electricity (Domestic & Shop)		\$111.30 per month	\$1,336
Telephone		\$79.50 per month	\$954
Accounting & Legal			\$472
Misc. Supplies & Hand Tools			\$795
Pickup and Auto			
miles	10,918	@ \$0.415 per mile	\$4,531
Insurance			
- general liability (non-employee)			\$986
- fire/theft			\$641
Property Taxes			
- non-farm land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$493
Dues, fees, publications			\$244
Farmstead Equipment			\$159
Total			\$16,620
Total per planted acre			\$240.87

Table 4. Pumping costs and data for irrigation, San Juan County, Projected 2006.

INPUT DATA	
DELIVERY PIP	
BOOSTER PUMP	70
GALLONS PER MINUTE (GPM)	800
WORK HORSEPOWER	33
EFFICIENCY FACTOR:	
ELECTRICITY	0.540
NATURAL GAS	0.154
LP GAS	0.154
DIESEL	0.160
FUEL COST PER UNIT	
ELECTRICITY	10.89 CENTS/KWH
NATURAL GAS	\$3.28 BSCF
LP GAS	\$1.95 \$GAL
DIESEL	\$2.10 \$GAL
PUMPING COSTS	
ELECTRIC WELL:	
COST PER HOUR	\$4.85
COST PER ACRE INCH	\$2.75
NATURAL GAS WELL:	
COST PER HOUR	\$1.97
COST PER ACRE INCH	\$1.12
LP GAS WELL:	
COST PER HOUR	\$11.49
COST PER ACRE INCH	\$6.56
DIESEL WELL:	
COST PER HOUR	\$7.73
COST PER ACRE INCH	\$4.37

TABLE 5. Equipment summary for an 80 acre sprinkler-irrigated farm, San Juan County, Projected 2006.

EQUIPMENT	ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	VARIABLE COSTS				FIXED COSTS		TOTAL PER HR	
				TOTAL FUEL OIL LUBRICANT	REPAIR PER HR	FUEL OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES		
TRACTOR	40 HP	51	1	\$7,311	\$385	\$56	\$7.48	\$1.08	\$359	\$75	\$8.44
TRACTOR	95 HP	65	1	\$4,857	\$877	\$136	\$12.79	\$2.07	\$1,152	\$144	\$19.80
SWATHER	14 FT	35	1	\$3,900	\$274	\$20	\$7.68	\$0.58	\$1,450	\$121	\$45.03
BALER PTO	2 WRE	46	1	\$1,600	\$7	\$7	\$0.15		\$385	\$32	\$9.11
BALE WAGON PTO		44	1	\$1,500	\$56	\$1	\$1.28		\$600	\$67	\$19.88
DISC	12 FT	4	1	\$2,250		\$10	\$2.79		\$300	\$19	\$65.22
PLOW	3-1/2 IN	7	1	\$3,250		\$31	\$4.15		\$447	\$28	\$64.29
DITCHER (DOUBLE MOLDBOARD)	12 FT	8	1	\$1,250		\$0	\$0.05		\$167	\$10	\$22.13
HARROW	12 FT	2	1	\$300		\$0	\$0.01		\$40	\$2	\$20.33
DRILL	12 FT	2	1	\$2,200		\$2	\$1.06		\$440	\$18	\$158.40
FERT SPREADER	DEALER FURNISHED										
SIDEROLL SPRINKLER		2,038	1	\$2,500		\$0	\$0.00		\$333	\$21	\$0.17
NATURAL GAS BOOSTER PUMP		2,038	1	\$2,500	\$4,018	\$0	\$1.07	\$0.00	\$333	\$21	\$0.23
				\$37,518	\$5,514	\$318			\$5,208	\$507	

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL LUNTHR	LUBE COEF	ACCOM HOURS	INTEREST AGE	EXPENSE	
TRACTOR	17974.00	7315.50	50.00	1.00	800.00	3.40	0.10	772.25	15.00	718.96	
TRACTOR	34950.00	8827.00	30.00	1.00	800.00	5.54	0.10	1556.66	23.00	1392.00	
SWATHER	14 FT	2900.00	3900.00	20.00	2.00	800.00	3.12	0.20	484.32	14.00	1160.00
BALER PTO	2 WRE	7700.00	1500.00	20.00	2.00	500.00			824.84	16.00	305.00
BALE WAGON PTO		1800.00	1500.00	20.00	5.00	800.00			261.60	6.00	646.00
DISC	12 FT	4500.00	2250.00	15.00	3.00	300.00			59.84	16.00	195.00
PLOW	3-1/2 IN	8700.00	3350.00	15.00	3.00	300.00			117.92	16.00	268.00
DITCHER (DOUBLE MOLDBOARD)	12 FT	2500.00	1250.00	15.00	4.00	300.00			100.00	15.00	100.00
HARROW	12 FT	600.00	300.00	15.00	4.00	300.00			33.44	16.00	24.00
DRILL	12 FT	4600.00	2200.00	10.00	8.00	100.00			30.23	13.00	176.00
FERT SPREADER	DEALER FURNISHED										
SIDEROLL SPRINKLER		5000.00	2500.00	15.00	0.00	8742.00			30573.71	15.00	200.00
NATURAL GAS BOOSTER PUMP		5000.00	2500.00	15.00	0.00	8742.00			30573.71	15.00	200.00

USAGE LIST

ALFALFA EST.	ALFALFA HAY	PER ACRE TOTAL
0.10	0.73	0.83
1.87	0.65	2.52
0.16	0.48	0.64
0.21	0.63	0.84
0.20	0.80	1.00
0.34	0.00	0.34
0.67	0.00	0.67
0.19	0.10	0.29
0.19	0.00	0.19
0.21	0.00	0.21
0.05	0.05	0.10
22.06	28.02	48.09
22.06	28.02	48.09

INTEREST PROORATION

QAT HAY	ALFALFA HAY
1.40	10.20
39.50	13.73
5.32	15.96
1.41	4.24
2.84	8.81
16.36	0.00
24.36	0.00
1.25	1.25
2.18	0.00
16.00	0.00
0.00	0.00
2.16	2.55
2.16	2.55
115.06	55.30

ALFALFA ESTABLISHMENT

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
PLOW	95 HP	1.00	0.67	0.67	
DISC	95 HP	1.00	0.17	0.17	
HARROW	95 HP	1.00	0.19	0.19	
FERTILIZE	95 HP	1.00	0.05	0.05	
DRILL	95 HP	1.00	0.21	0.21	
DITCHER	40 HP	2.00	0.05	0.10	
IRRIGATE		9.00	0.57	22.06	
SWATHER	14 FT	1.00	0.16	0.16	
BALER	95 HP	1.00	0.21	0.21	
BALE WAGON	95 HP	1.00	0.20	0.20	

ALFALFA HAY

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
FERTILIZE	95 HP	1.00	0.05	0.05	
DITCHER	40 HP	2.00	0.05	0.10	
IRRIGATE		13.00	0.57	26.02	
SWATHER	14 FT	3.00	0.16	0.48	
BALER	40 HP	2.00	0.21	0.83	
BALE WAGON	95 HP	3.00	0.20	0.60	

ANNUAL REPAIR COSTS AS A PERCENT OF NEW VALUE

Hours of Use	1	2	3	4	5	6	7	8	9
0	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
50	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
100	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
150	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
200	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
250	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
300	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
350	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
400	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
450	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
500	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
550	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
600	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
650	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
700	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
750	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
800	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
850	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
900	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
950	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
1000	0.00000	0.00020	0.00060	0.00120	0.00200	0.00300	0.00400	0.00500	0.00600
1200	0.00045	0.00145	0.00245	0.00345	0.00445	0.00545	0.00645	0.00745	0.00845
1400	0.00045	0.00145	0.00245	0.00345	0.00445	0.00545	0.00645	0.00745	0.00845
1500	0.00050	0.00150	0.00250	0.00350	0.00450	0.00550	0.00650	0.00750	0.00850
1600	0.00050	0.00150	0.00250	0.00350	0.00450	0.00550	0.00650	0.00750	0.00850
1800	0.00075	0.00175	0.00275	0.00375	0.00475	0.00575	0.00675	0.00775	0.00875
2000	0.00110	0.00210	0.00310	0.00410	0.00510	0.00610	0.00710	0.00810	0.00910
2500	0.00256	0.00356	0.00456	0.00556	0.00656	0.00756	0.00856	0.00956	0.01056
3000	0.00582	0.00682	0.00782	0.00882	0.00982	0.01082	0.01182	0.01282	0.01382
4000	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
4500	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
5000	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
5500	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
6000	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
6500	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
7000	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
7500	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818
8000	0.01018	0.01118	0.01218	0.01318	0.01418	0.01518	0.01618	0.01718	0.01818

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

Based on "Agricultural Machinery Data" in Agriculture Engineers Yearbook, 1983.

Codes

- 1 tractor
- 2 balers, combines, forage harvesters, windrowers, pickups
- 3 rotary hoes, disks, moldboard plows, chisels, field cultivators
- 3 new cultivators, laser plows
- 4 harrows, wagons, floats, rito truck, drag, roller, water fume, feed chaser
- 5 balerwagons

TABLE 6. Alfalfa establishment, sprinkler-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2006.
 Planting dates: April 15 - June 1
 Harvesting dates: June 15 - July 1

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
OAT HAY	\$120.00	2.25 TONS (STACKED)						\$270.00	
GRAZING	\$10.00	1.00 AUM						\$10.00	
TOTAL								\$280.00	
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
ALFALFA SEED	\$3.20	20 LBS	\$64.00					\$64.00	
OAT SEED	\$0.32	45 LBS	\$14.40					\$14.40	
PHOSPHATE (P2O5)	\$0.40	45 LBS	\$18.00					\$18.00	
WIRE	\$0.50	19 LBS	\$9.64					\$9.64	
CANAL WATER		39 AC. IN.					\$8.94	\$8.94	
CANAL WATER (MAINTENANCE)		1 ACRE					\$8.00	\$8.00	
SUBTOTAL			\$106.04				\$16.94	\$122.98	
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
PLOW	96 HP	0.67 HR		\$4.46	\$8.57	\$4.17	\$56.41	\$73.60	
DISC (2X)	96 HP	0.34 HR		\$2.26	\$4.35	\$1.65	\$35.71	\$43.97	
HARROW	96 HP	0.19 HR		\$1.26	\$2.43	\$0.40	\$7.63	\$11.71	
FERTILIZE	96 HP	0.05 HR		\$0.33	\$0.64	\$0.10	\$0.99	\$2.07	
DRILL	96 HP	0.21 HR		\$1.40	\$2.69	\$0.66	\$45.82	\$50.56	
DITCHER (2X)	40 HP	0.10 HR		\$0.67	\$0.75	\$0.11	\$3.06	\$4.58	
IRRIGATE (9X)		2.25 HR		\$14.29	\$43.49	\$0.00	\$8.97	\$66.74	
SUBTOTAL		3.81 HR		\$24.66	\$62.91	\$7.10	\$158.57	\$253.24	
HARVEST OPERATIONS									
SWATHER	14 FT	0.16 HR		\$1.06	\$1.26	\$0.09	\$7.20	\$9.62	
BALER	96 HP	0.21 HR		\$1.40	\$2.69	\$0.47	\$6.07	\$10.62	
BALE WAGON	96 HP	0.20 HR		\$1.33	\$2.56	\$0.67	\$7.94	\$12.49	
SUBTOTAL		0.57 HR		\$3.79	\$6.50	\$1.23	\$21.21	\$32.73	
OVERHEAD EXPENSES									
DOWNTIME		1.74 HR		\$11.54				\$11.54	
EMPLOYEE BENEFITS				\$5.12				\$5.12	
INSURANCE			\$0.57					\$0.57	
LAND TAXES							\$2.10	\$2.10	
SUPERVISION AND MANAGEMENT				\$29.65				\$29.65	
SUBTOTAL		1.74 HR	\$0.57	\$46.31				\$2.10	\$48.98
TOTAL OPERATING EXPENSES		6.12 HR	\$106.61	\$74.76	\$69.41	\$8.33	\$198.83	\$457.93	
NET OPERATING PROFIT								(\$177.93)	
INTEREST ON OPERATING CAPITAL		(\$71.17 @ 8.00%)						\$5.69	
INTEREST ON EQUIPMENT INVESTMENT								\$115.06	
RETURN TO LAND AND RISK								(\$298.69)	

TABLE 7. Alfalfa hay, sprinkler-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2006.
Harvesting dates: June 1 - October 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
ALFALFA HAY	\$130.00	5.00 TONS (STACKED)	\$650.00
GRAZING	\$10.00	2.00 AUM	\$20.00
TOTAL			\$670.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
PHOSPHATE (P2O5)	\$0.40	40.00 LBS	\$16.00		\$16.00
INSECTICIDE (AERIAL)	\$19.20	1.00 ACRE	\$19.20		\$19.20
WIRE	\$0.50	43.00 LBS	\$21.50		\$21.50
LIVESTOCK FAC & EQUIP ESTABLISHMENT: Principal		6.00 YEARS		\$5.00	\$5.00
: Interest				\$49.78	\$49.78
CANAL WATER		46.00 AC. IN.		\$24.70	\$24.70
CANAL WATER (MAINTENANCE)		1 ACRE		\$10.54	\$10.54
				\$8.00	\$8.00
SUBTOTAL			\$56.70	\$98.02	\$154.72

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZE	96 HP	0.05 HR		\$0.33	\$0.64	\$0.10	\$0.99	\$2.07
DITCHER (2X)	40 HP	0.10 HR		\$0.67	\$0.75	\$0.11	\$3.06	\$4.58
IRRIGATE (13X)		3.25 HR		\$20.64	\$51.30	\$0.00	\$10.57	\$82.51
SUBTOTAL		3.40 HR		\$21.64	\$52.68	\$0.22	\$14.62	\$89.16

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWATHER (3X)	14 FT	0.48 HR		\$3.19	\$3.77	\$0.28	\$21.61	\$28.86
BALER (3X)	40 HP	0.63 HR		\$4.19	\$4.71	\$0.78	\$11.05	\$20.73
BALE WAGON (3X)	96 HP	0.60 HR		\$3.99	\$7.67	\$2.01	\$23.81	\$37.48
SUBTOTAL		1.71 HR		\$11.37	\$16.16	\$3.07	\$56.47	\$87.07

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.44 HR		\$2.93				\$2.93
EMPLOYEE BENEFITS			\$5.94				\$5.94
INSURANCE		\$0.66					\$0.66
LAND TAXES						\$2.10	\$2.10
SUPERVISION AND MANAGEMENT			\$51.03				\$51.03
OTHER EXPENSES		\$240.87					\$240.87
SUBTOTAL	0.44 HR	\$241.53	\$59.90			\$2.10	\$303.53

TOTAL OPERATING EXPENSES	5.55 HR	\$298.23	\$92.90	\$68.84	\$3.28	\$171.22	\$634.48
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NET OPERATING PROFIT							\$35.52
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INTEREST ON OPERATING CAPITAL	(\$43.18	@	8.00%)		\$3.45
INTEREST ON EQUIPMENT INVESTMENT							\$59.29

RETURN TO LAND AND RISK							(\$27.23)
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BUDGET SUMMARY

GROSS RETURN		\$670.00	
VARIABLE OPERATING EXPENSES	\$370.36		
RETURN OVER VARIABLE EXPENSES	\$299.64		(GROSS MARGIN)
FIXED EXPENSES	\$171.22		
NET FARM INCOME	\$128.42		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$92.90		
NET OPERATING PROFIT	\$35.52		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$62.75		
RETURN TO LAND AND RISK			(\$27.23)

TABLE 8. Summary of per acre costs and returns for an 80 acre farm, San Juan County,
Projected 2006.

	ALFALFA ESTABLISHMENT	ALFALFA HAY
	TONS	TONS
PRIMARY YIELD	2.25	5.00
PRIMARY PRICE	\$120.00	\$130.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00
SECOND INCOME	\$10.00	\$20.00
GROSS RETURN	\$280.00	\$670.00
CASH OPERATING EXPENSES		
SEED	\$78.40	
FERTILIZER	\$18.00	\$16.00
CHEMICALS		\$19.20
CROP INSURANCE		
OTHER PURCHASED INPUTS	\$9.64	\$21.50
CANAL WATER		
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$25.92	\$17.55
FUEL-IRRIGATION	\$43.49	\$51.30
REPAIRS	\$8.33	\$3.28
CUSTOM CHARGES		
LAND TAXES	\$2.10	\$2.10
OTHER EXPENSES	\$0.57	\$241.53
TOTAL CASH EXPENSES	\$186.45	\$372.46
RETURN OVER CASH EXPENSES	\$93.55	\$297.54
FIXED EXPENSES	\$196.72	\$169.12
TOTAL EXPENSES	\$383.17	\$541.58
NET FARM INCOME	(\$103.17)	\$128.42
LABOR AND MANAGEMENT COSTS	\$74.76	\$92.90
NET OPERATING PROFIT	(\$177.93)	\$35.52
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$5.69	\$3.45
INTEREST ON EQUIPMENT INVESTMENT	\$115.06	\$59.29
TOTAL CAPITAL COSTS	\$120.75	\$62.75
RETURN TO LAND AND RISK	(\$298.69)	(\$27.23)

TABLE 9. Whole farm summary, San Juan County,
Projected 2006.

GROSS RETURNS		
OAT HAY	11.00 ACRES	
CROP		\$3,080
ALFALFA HAY	69.00 ACRES	
CROP		\$44,850
GRAZING		\$1,380
GROSS RETURN		\$49,310
CASH OPERATING EXPENSES		
SEED		\$862
FERTILIZER		\$1,302
CHEMICALS		\$1,325
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$1,590
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$1,496
FUEL-IRRIGATION		\$4,018
REPAIRS		\$318
CUSTOM CHARGES		\$0
LAND TAXES		\$168
OTHER EXPENSES		\$16,672
TOTAL CASH EXPENSES		\$27,751
RETURN OVER CASH EXPENSES		\$21,559
FIXED EXPENSES		\$10,398
TOTAL EXPENSES		\$38,149
NET FARM INCOME		\$11,161
LABOR AND MANAGEMENT COSTS		\$7,233
NET OPERATING PROFIT		\$3,928
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$301
INTEREST ON EQUIPMENT INVESTMENT		\$5,357
TOTAL CAPITAL COSTS		\$5,658
RETURN TO LAND AND RISK		(\$1,730)

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$1,000 /ACRE	(\$4,130)	3.34%
\$2,500 /ACRE	(\$7,730)	1.65%
\$4,000 /ACRE	(\$11,330)	1.10%
\$5,500 /ACRE	(\$14,930)	0.82%
\$7,000 /ACRE	(\$18,530)	0.66%
\$8,500 /ACRE	(\$22,130)	0.55%

* 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)