		WATER	USE							
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.							
ALFALFA ESTABLISHMENT ALFALFA PASTURE ESTABLISHMENT PASTURE CORN SILAGE	6.00 34.00 1.00 * 20.00 20.00	48 60 21 62 48	288 2,040 21 1,240 960							
TOT	AL 80		4,549							
ACRE FEET PER ACRE OF WATER RIGHTS										

^{*} DOUBLE-CROPPED

TABLE 2. Basic cost information for San Juan County, Projected 2007.

1	Item				
Labor Wag	ge Rate:				
Equipm	ent operators		\$/hour		\$6.65
Genera	l & Irrigators		\$/hour		\$6.3
Purchased	I Inputs:				
Fertilize					
	Nitrogen (N)		\$/pound		\$0.52
	Phosphate (P205)		\$/pound		\$0.40
	Anhydrous Ammonia (Ni	1 3)	\$/ton		\$525.00
Seed:					
	Alfalfa		\$/pound		\$3.0
	Oats		\$/pound		\$0.26
	Pasture		\$/pound		\$3.50
	Corn		\$/bag		\$85.00
Wire			\$/pound		\$0.5
Canal V	Vater		\$/acre foot		\$2.75
Energy:					
Diesel f	uel		\$/gallon		\$2.7
Gasolin	e		\$/gallon		\$2.4
Natural	Gas		\$/MCF		\$3.2
LP Gas			\$/gallon		\$1.9
Electric	ity		cents/KwHr		10.6
Employee	Liability Insurance		\$/\$1,000 wa	ages	\$20.00
Employee	Benefits		percent/wag	ges	18.00
Labor Dov	vntime		percent	25.00	
Financial F	Rates:				
Operating	g Capital Interest Rate		percent		8.00
	erest Rate		percent		8.00
Equipme	nt Interest Rate		percent		8.00
Real Inte	rest Rate		percent		3.00
Land Taxe	es	\$253.00	/acre (full va	alue)	\$2.1
Personal F	Property Tax Rate	- NR	\$/\$1,000	(Assessed	\$24.9
		- R		Value)	\$21.0
Supervisio	n Factors				
	op-Irrigation		\$/labor hou		\$1.0
Field Cr	rop-Equipment & General		\$/labor hou	r	\$0.5
Managem	ent Rate		percent		7.00

TABLE 3. Overhead cost information for San Juan County, Projected 2007.

Item					
Electricity (Domestic & S	Shop)		\$114.45	per month	\$1,373
Telephone			\$76.30	per month	\$916
Accounting & Legal					\$485
Misc. Supplies & Hand	Tools				\$818
Pickup and Auto					
miles	11,227	@	\$0.415 per mile		\$4,659
Insurance					
- general liability (non-	employee)				\$1,014
- fire/theft					\$610
Property Taxes					
 non-planted land 					\$0
- other than land & ma	chinery				\$6,010
Building repairs and ma	intenance				\$507
Dues, fees, publications	i				\$251
Farmstead Equipment					\$164
				Total	\$16,806
			Total per planted acre		\$227.1

TABLE 4. Equipment summary for an 80 sore flood-irrigated farm, San Juan County Projected 2007.

EQUIPMENT						VARIABLE	COSTS		FDC	ED COSTS	
ITEM & SIZE		ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL, LUBRICANT	REPAIR	FUEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER
RACTOR	40 HP	39	1	\$7,069	\$353	\$42	\$9.16	\$1.08	\$360	\$75	\$11.2
RACTOR	95 HP	102	1	\$14,410	\$1,516	\$211	\$14.92	\$2.07	\$1,152	\$144	\$12.7
WATHER IALER, PTO	14 FT 2 WIRE	17 23		\$3,900 \$1,600	\$159	\$10 \$3	\$9.17	\$0.58 \$0.15	\$1,450 \$385	\$121 \$32	\$90.8 \$18.3
IALEWAGON, PTO	2 WIRE	22				\$28		\$1.28	\$800	\$67	\$40.1
IALEWAGON, PTO NSC	12 FT	22		\$1,500 \$2,250		\$28 \$26		\$1.28 \$2.79	\$800	\$67 \$19	\$40.1 \$34.7
LOW	3-14 IN	18	- 1	\$3,350		\$75		\$4.15	\$447	\$28	\$26.2
LAGE CHOPPER, PTO	2-14-14	14	- :	\$5,350		\$5		\$0.37	\$920	\$77	\$70.1
NI OADING WAGON		14	- 1	\$3,850		\$9 \$9		\$0.62	\$385	\$32	\$29.5
(TCHER		6	- 1	\$1,250		80		\$0.05	\$167	\$10	\$29.0
ARROW	12 FT	5	1	\$300				\$0.01	\$40	\$2	\$8.2
RILL	12 FT	1	1	\$2,200		\$0 \$2		\$1.06	\$440	\$18	\$311.7
LANTER	4 ROW	5	1	\$3,400		\$8		\$1.63	\$680	\$28	\$136.2
ULTIVATOR	4 ROW	18	1	\$2,000		\$45		\$2.48	\$267	\$17	\$15.5
ERT SPREADER DE	ALER FURNISHED	4	1								
				\$52,428	\$2,028	\$464			\$7.791	\$669	

	6									
пем	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNIT/HR	LUBE	ACCUM HOURS	AGE	INTEREST EXPENSE
TRACTOR 40 HI TRACTOR 95 HI TRACTOR 95 HI TRACTOR 14 FT BALER, PO	34550.00 29000.00 16000.00 4500.00 18400.00 18400.00 2500.00 2500.00 4400.00 W 8800.00	7068.50 14409.50 3800.00 1600.00 1500.00 2250.00 3350.00 5350.00 3850.00 1250.00 300.00 2200.00 2400.00 2000.00	50.00 30.00 20.00 20.00 20.00 15.00 20.00 20.00 20.00 15.00 15.00 10.00 10.00 15.00	1.00 1.00 2.00 2.00 3.00 3.00 3.00 2.00 5.00 4.00 4.00 8.00 8.00	800.00 800.00 800.00 500.00 800.00 300.00 300.00 300.00 300.00 300.00 300.00 300.00 100.00 100.00	3.40 5.54 3.12	0.10 0.10 0.20	578.55 2338.80 241.92 408.24 129.00 146.88 289.44 198.80 213.00 91.50 82.08 19.11 67.60 292.32	15.00 22.00 14.00 16.00 16.00 16.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	719.00 1382.00 1160.00 308.00 840.00 180.00 268.00 736.00 308.00 100.00 24.00 176.00 272.00 160.00

	INTEREST	PRORATION	
	LFALFA	ANNUAL	CORN FOR
HAY	HAY	PASTURE	SILAGE
dolla	rs per acre-		
5.78	1.86	5.78	24.98
25.44	17.41	0.68	30.20
10.74	32.22	0.00	0.00
2.85	8.56	0.00	0.00
5.93	17.78	0.00	0.00
6.67	0.00	0.00	6.67
9.93	0.00	0.00	9.93
0.00	0.00	0.00	36.80
0.00	0.00	0.00	15.40
1.64	1.64	1.64	0.00
0.89	0.00	0.00	0.89
25.14	0.00	0.00	0.00
0.00	0.00	0.00	13.60
1.84	0.00	1.84	5.52
0.00	0.00	0.00	0.00
96.84	79.47	9.94	143.98

		USAGE LIST			
AI FAI FA	AI FAI FA	ANNUAL PASTURE	ANNUAL	CORN	PER ACRE
EST.	HAY	EST.	PASTURE	SILAGE	TOTALS
	ours per acre				
0.31	0.10	0.31	0.31	1.34	2.37
1.87	1.28	1.46	0.05	2.22	6.88
0.16	0.48	0.00	0.00	0.00	0.64
0.21	0.63	0.00	0.00	0.00	0.84
0.20	0.60	0.00	0.00	0.00	0.80
0.34	0.00	0.34	0.00	0.34	1.02
0.67	0.00	0.67	0.00	0.67	2.01
0.00	0.00	0.00	0.00	0.71	0.71
0.00	0.00	0.00	0.00	0.71	0.71
0.10	0.10	0.10	0.10	0.00	0.40
0.10	0.00	0.10	0.10	0.10	0.40
0.19	0.00	0.19	0.00	0.00	0.57
0.00	0.00	0.00	0.00	0.26	0.26
0.21	0.00	0.21	0.21	0.63	1.26
0.05	0.05	0.05	0.05	0.05	0.25

ALFALFA ESTABLISHMENT	ACRES:	6.00	PUMP WA		
			ACCOMPLISH	MENT	
MACHINE	POWER UNIT	OVER	RATE	TOTAL	CUSTOM
PLOW	96 HP 96 HP 96 HP 96 HP 40 HP 98 HP 40 HP	1.00	0.67	0.67	
DISC (2X) HARROW	98 HP	2.00	0.17	0.34	
FERTILIZE	96 HP	1.00	0.19	0.19	
CORRUGATE	40 HP	1.00	0.21	0.21	
DRILL DITCHER (2X)	98 HP	1.00	0.21	0.21	
IRRIGATE (6X)	40.10	6.00	0.50	3.00	
SWATHER	14 FT 96 HP 96 HP	1.00	0.16	0.16	
BALER BALE WAGON	98 HP	1.00	0.21	0.21	
BALE WAGON	96 HP	1.00	0.20	0.20	
ALFALFA HAY			PUMP WA		
			ACCOMPLISH	MENT	
MACHINE	POWER UNIT	TIMES	RATE	TOTAL	CUSTOM
FERTILIZE	96 HP	100	0.05	0.05	
DITCHER (2X)	96 HP 40 HP	2.00	0.05	0.10	
IRRIGATE (10X)		10.00	0.50	5.00	
SWATHER (3X)	14 FT	2.00	0.16	0.48	
	14 FT 96 HP 96 HP	3.00	0.16 0.21 0.20	0.63	
BALE WAGON (3X)	96 HP	3.00	0.20	0.60	
PERMANENT PASTURE EST.	ACRES:	1,00	PUMP WA	TER:	
	ALCOLD:		ACCOMPLISH		
	POWER	TIMES			
MACHINE					CUSTOM
PLOW	96 HP	1.00	0.67	0.67	
DISC (2X) HARROW	98 HP	2.00	0.17	0.34	
FERTILIZE	96 HP	1.00	0.19	0.19	
CORRUGATE	40 HP	1.00	0.21	0.21	
DRILL DITCHER (2X)	98 HP	1.00	0.21	0.21	
IRRIGATE (3X)	96 HP 96 HP 96 HP 96 HP 40 HP 96 HP 40 HP	3.00	0.50	1.50	
PERMANENT PASTURE	ACRES:	20	PUMP WA	TER:	
			ACCOMPLISH	MENT	
	POWER UNIT	TIMES			
MACHINE	UNIT	OVER	RATE	TOTAL	CUSTOM
FERTILIZE	96 HP 40 HP 40 HP	1.00	0.05 0.21 0.05 0.50	0.05	
CORRUGATE DITCHER (2X)	40 HP 40 HP	1.00	0.21	0.21	
IRRIGATE (11X)		11.00	0.50	5.50	
CORN FOR SILAGE	ACRES:		PUMP WA		
****	POWER UNIT	TIMES	0475	TOTA:	outomo::
MACHINE		OVER	RATE	TOTAL	CUSTOM
PLOW DISC (2X)	98 HP 98 HP	1.00	0.87 0.17 0.19 0.05 0.21 0.75 0.28 0.21 0.50	0.67	
HARROW		1.00	0.17	0.19	
FERTILIZE	96 HP 40 HP	1.00	0.05	0.05	
CORRUGATE		1.00	0.21	0.21	
PLANTER	98 HP	1.00	0.26	0.26	
CULTIVATOR (2X) IRRIGATE (9X)	40 HP	2.00	0.21	0.42	
INFOGATE (SA)		9.00	0.50	4.50	
	98 HP	1.00	0.71	0.71	
SILAGE CHOPPER, PTO LOAD & HAUL	98 HP 40 HP	1.00 1.00	0.71 0.71	0.71	

ANNUAL	REPAIR	COSTS AS	A PERCENT	OF	NEW	VALU

	8	7	6	5	4	3	2	1	Hours of Use
0.0002	0.000240	0.000040	0.000140	0.000080	0.000020	0.000620	0.000020	0.000000	0
0.0002	0.000240	0.000040	0.000140	0.000080	0.000020	0.000620	0.000020	0.0000060	50
0.0002	0.000240	0.000040		0.000060	0.000020	0.000620	0.000020	0.000000	
0.0003	0.000380	0.000100	0.000220	0.000140	0.000020	0.000500	0.0000020	0.0000060	100
0.0002	0.000510			0.000180			0.0000030		200 300
		0.000140	0.000310		0.000060	0.000390		0.000030	
0.0004	0.000710	0.000150	0.000340	0.000260	0.000090	0.000370	0.000000	0.000030	400
0.0008	0.000800	0.000170	0.000370	0.000280	0.000100	0.000360	0.000070	0.000030	500
0.0005	0.000860	0.000190	0.000390	0.000310	0.000120	0.000340	0.000090	0.000030	600
0.0005	0.000910	0.000200	0.000410	0.000330	0.000130	0.000340	0.000100	0.000030	700
0.0005	0.000960	0.000210	0.000430	0.000350	0.000150	0.000320	0.000110	0.000030	800
0.0006	0.001020	0.000230	0.000450	0.000370	0.000160	0.000320	0.000120	0.000030	900
0.0006	0.001070	0.000230	0.000460	0.000380	0.000180	0.000310	0.000130	0.000090	1000
0.0007	0.001135	0.000245	0.000480	0.000405	0.000205	0.000305	0.000145	0.000045	1200
0.0007	0.001260	0.000410	0.000510	0.000435	0.000230	0.000300	0.000170	0.000045	1400
0.0007	0.001260	0.000410	0.000510	0.000435	0.000230	0.000300	0.000170	0.000150	1500
0.0008	0.001235	0.000135	0.000525	0.000465	0.000255	0.000285	0.000190	0.000150	1600
		0.000295	0.000550	0.000485	0.000285	0.000285	0.000170	0.000075	1800
		0.000310	0.000565	0.000505	0.000305	0.000280	0.000265	0.000110	2000
								0.000056	2500
								0.000070	3000
								0.000082	3500
								0.000096	4000
								0.000108	4500
								0.000122	5000
								0.000136	5500
								0.000148	6000
								0.000162	6500
								0.000176	7000
								0.000188	7500
								0.000204	8000

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TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2007.

INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT

RETURN TO LAND AND RISK

ITEM	DDIC-	\//ELD						
ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS OAT HAY	\$130.00	2.25 TONS (S	TACKED)					\$292.50
GRAZING	\$10.00	1.00 AUM						\$10.00
TOTAL							-	\$302.50
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
ALFALFA SEED	\$3.05	20 LBS	\$61.00					\$61.00
OAT SEED	\$0.26	45 LBS	\$11.70					\$11.70
PHOSPHATE (P2O5)	\$0.40	45 LBS	\$18.00					\$18.00
WIRE	\$0.55	19 LBS	\$10.61					\$10.61
CANAL WATER	*	48 AC. IN.	*				\$11.00	\$11.00
CANAL WATER (MAINTENANCE)		1 ACRE					\$8.00	\$8.00
SUBTOTAL			\$101.31				\$19.00	\$120.31
	DOWED		DUDOUAGED		FUEL 0		FIVED	
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	96 HP	0.67 HR		\$4.46	\$10.00	\$4.17	\$26.12	\$44.74
DISC (2X)	96 HP	0.34 HR		\$2.26	\$5.07	\$1.65	\$16.14	\$25.13
HARROW	96 HP	0.19 HR		\$1.26	\$2.83	\$0.40	\$4.00	\$8.49
FERTILIZE	96 HP	0.05 HR		\$0.33	\$0.75	\$0.10	\$0.64	\$1.82
CORRUGATE	40 HP	0.21 HR		\$1.40	\$1.92	\$0.75	\$5.62	\$9.69
DRILL	96 HP	0.21 HR		\$1.40	\$3.13	\$0.66	\$68.15	\$73.34
DITCHER (2X) IRRIGATE (6X)	40 HP	0.10 HR 3.00 HR		\$0.67 \$19.05	\$0.92	\$0.11	\$4.03	\$5.72 \$19.05
SUBTOTAL		4.77 HR		\$30.82	\$24.62	\$7.84	\$124.69	\$187.98
		4.77 FIX		\$30.62	\$24.02	φ1.04	\$124.09	φ107.90
HARVEST OPERATIONS								
SWATHER	14 FT	0.16 HR		\$1.06	\$1.47	\$0.09	\$14.54	\$17.17
BALER	96 HP	0.21 HR		\$1.40	\$3.13	\$0.47	\$6.54	\$11.54
BALE WAGON	96 HP	0.20 HR		\$1.33	\$2.98	\$0.67	\$10.57	\$15.56
SUBTOTAL		0.57 HR		\$3.79	\$7.58	\$1.23	\$31.66	\$44.26
OVERHEAD EXPENSES								
DOWNTIME		2.16 HR		\$14.38				\$14.38
EMPLOYEE BENEFITS				\$6.23				\$6.23
INSURANCE			\$0.69					\$0.69
LAND TAXES							\$2.10	\$2.10
SUPERVISION AND MANAGEMENT				\$25.75				\$25.75
SUBTOTAL		2.16 HR	\$0.69	\$46.36			\$2.10	\$49.16
FOTAL OPERATING EXPENSES		7.50 HR	\$102.00	\$80.97	\$32.21	\$9.07	\$177.45	\$401.70

(\$59.50 @

8.00%)

\$4.76 \$96.84

(\$200.80)

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2007.

Harvesting dates: June 1 - October 15 TOTAL ITEM PRICE YIELD GROSS RETURNS \$140.00 5.00 TONS (STACKED) 2.00 AUM \$700.00 ALFALFA HAY GRAZING \$10.00 \$20.00 \$720.00 TOTAL PURCHASED FIXED PURCHASED INPUTS PRICE QUANTITY **INPUTS** TOTAL PHOSPHATE (P2O5) \$0.40 45 LBS \$18.00 \$18.00 1 ACRE INSECTICIDE (AERIAL) \$17.25 \$17.25 \$17.25 \$0.55 43 LBS \$23.57 \$23.57 ESTABLISHMENT: Principal 6 YEARS \$33.47 \$33.47 \$18.78 \$18.78 LIVESTOCK FAC & EQUIP \$5.00 \$5.00 60 AC. IN. \$13.75 CANAL WATER \$13.75 CANAL WATER (MAINTENANCE) 1 ACRE \$8.00 \$8.00 SUBTOTAL \$58.82 \$79.00 \$137.82 POWER ACCOMPLISHMENT PURCHASED FUEL & FIXED PREHARVEST OPERATIONS LABOR REPAIRS TOTAL UNIT RATE INPUTS LURE COST FERTILIZE DITCHER (2X) 0.05 HR 0.10 HR \$0.33 \$0.67 96 HP \$0.75 \$0.10 \$0.64 \$1.82 40 HP \$0.92 \$0.11 \$4.03 \$5.72 IRRIGATE (10X) 5.00 HR \$31.75 \$31.75 SUBTOTAL 5.15 HR \$32.75 \$1.66 \$0.22 \$4.67 \$39.29 HARVEST OPERATIONS SWATHER (3X) 14 FT 0.48 HR \$3.19 \$4.40 \$0.28 \$43.63 \$51.50 BALER (3X) 96 HP 0.63 HR \$4.19 \$9.40 \$1.40 \$19.62 \$34.61 BALE WAGON (3X) 96 HP 0.60 HR \$3.99 \$31.72 \$46.67 SUBTOTAL 1.71 HR \$11.37 \$22.75 \$3.69 \$94.97 \$132.79 OVERHEAD EXPENSES DOWNTIME 0.44 HR \$2.93 \$2.93 \$7.94 \$0.88 **EMPLOYEE BENEFITS** \$7.94 INSURANCE \$0.88 LAND TAXES \$2.10 \$2.10 SUPERVISION AND MANAGEMENT \$56.28 \$56.28 OTHER EXPENSES \$227.11 \$227.11 \$297.24 SUBTOTAL 0.44 HR \$227.99 \$67.15 \$2.10 TOTAL OPERATING EXPENSES 7.30 HR \$286.81 \$111.27 \$24.42 \$3.91 \$180.73 \$607.14 NET OPERATING PROFIT \$112.86 INTEREST ON OPERATING CAPITAL \$32.08 @ 8.00% \$2.57 INTEREST ON EQUIPMENT INVESTMENT \$79.47 RETURN TO LAND AND RISK \$30.83 BUDGET SUMMARY **GROSS RETURN** \$720.00 VARIABLE OPERATING EXPENSES \$315.14 RETURN OVER VARIABLE EXPENSES \$404.86 (GROSS MARGIN) FIXED EXPENSES NET FARM INCOME \$180.73 (RETURN TO CAPITAL, LABOR, LAND & RISK) \$224.13 LABOR AND MANAGEMENT COST NET OPERATING PROFIT \$111.27 \$112.86 (RETURN TO CAPITAL, LAND & RISK) CAPITAL COSTS \$82.04 RETURN TO LAND AND RISK \$30.83

TABLE 7. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2007.

Planting dates: August 15 - September 15

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$3.50	14 LBS	\$49.00					\$49.00
NITROGEN (N)	\$0.52	20 LBS	\$10.40					\$10.40
PHOSPHATE (P205)	\$0.40	50 LBS	\$20.00					\$20.00
CANAL WATER (MAINTENANCE)		21 AC. IN.					\$4.81	\$4.81
CANAL WATER (MAINTENANCE)							\$8.00	\$8.00
SUBTOTAL			\$79.40				\$4.81	\$84.21
	POWER	ACCOMPLISHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT	RATE	INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
PLOW	96 HP	0.67 HR		\$4.46	\$10.00	\$4.17	\$26.12	\$44.74
DISC (2X)	96 HP	0.34 HR		\$2.26	\$5.07	\$1.65	\$16.14	\$25.13
HARROW	96 HP	0.19 HR		\$1.26	\$2.83	\$0.40	\$4.00	\$8.49
FERTILIZE	96 HP	0.05 HR		\$0.33	\$0.75	\$0.10	\$0.64	\$1.82
CORRUGATE	40 HP	0.21 HR		\$1.40	\$1.92	\$0.75	\$5.62	\$9.69
DRILL	96 HP	0.21 HR		\$1.40	\$3.13	\$0.66	\$68.15	\$73.34
DITCHER (2X)	40 HP	0.10 HR		\$0.67	\$0.92	\$0.11	\$4.03	\$5.72
IRRIGATE (3X)		1.50 HR		\$9.53				\$9.53
SUBTOTAL		3.27 HR		\$21.30	\$24.62	\$7.84	\$124.69	\$178.45
OVERHEAD EXPENSES								
DOWNTIME		0.44 HR		\$2.94				\$2.94
EMPLOYEE BENEFITS				\$3.83				\$3.83
INSURANCE			\$0.43					\$0.43
SUPERVISION AND MANAGEMENT				\$20.77				\$20.77
SUBTOTAL		0.44 HR	\$0.43	\$27.55				\$27.97
TOTAL OPERATING EXPENSES		3.71 HR	\$79.83	\$48.84	\$24.62	\$7.84	\$129.50	\$290.64

TABLE 8. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2007

Projected 2007. Harvesting dates: Year Round										
ITEM	PRICE		YIEL	D						TOTAL
GROSS RETURNS PASTURE	\$12.00		12.00	AUMS						\$144.00
TOTAL									-	\$144.00
PURCHASED INPUTS	PRICE		QUANT	TITY	PURCHASED INPUTS				FIXED COST	TOTAL
NITROGEN (N)	\$0.52		100	LBS	\$52.00					\$52.00
LIVESTOCK FAC & EQUIP			45	VE450					\$5.00	\$5.00
ESTABLISHMENT: Principal : Interest			15	YEARS					\$19.38 \$8.08	\$19.38 \$8.08
CANAL WATER			62	AC. IN.					\$14.21	\$14.21
CANAL WATER (MAINTENANCE)				ACRE					\$8.00	\$8.00
SUBTOTAL					\$52.00				\$54.67	\$106.67
	POWER		ACCOMPLIS	SHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT		RATI		INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
FERTILIZE	96 HP		0.05	HR		\$0.33	\$0.75	\$0.10	\$0.64	\$1.82
CORRUGATE	40 HP		0.21	HR		\$1.40	\$1.92	\$0.75	\$5.62	\$9.69
DITCHER (2X)	40 HP		0.10			\$0.67	\$0.92	\$0.11	\$4.03	\$5.72
IRRIGATE (11X)			5.50	HR		\$34.93				\$34.93
SUBTOTAL			5.86	HR		\$37.32	\$3.59	\$0.96	\$10.29	\$52.16
OVERHEAD EXPENSES										
DOWNTIME			0.09	HR		\$0.60				\$0.60
EMPLOYEE BENEFITS						\$6.72				\$6.72
INSURANCE					\$0.75					\$0.75
LAND TAXES						045.70			\$2.10	\$2.10
SUPERVISION AND MANAGEMENT					C007.44	\$15.76				\$15.76
OTHER EXPENSES					\$227.11					\$227.11
SUBTOTAL			0.09	HR	\$227.85	\$23.08			\$2.10	\$253.03
TOTAL OPERATING EXPENSES			5.95	HR	\$279.85	\$60.39	\$3.59	\$0.96	\$67.06	\$411.86
NET OPERATING PROFIT										(\$267.86)
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT	-	(\$27.14	@	8.00%)				\$2.17 \$9.94
RETURN TO LAND AND RISK										(\$279.97)
		BUDGET	SUMMARY							
GROSS RETURN			\$144.00							
VARIABLE OPERATING EXPENSES		\$284.40								
RETURN OVER VARIABLE EXPENSES		607.00	(\$140.40)	(GROS	S MARGIN)					
FIXED EXPENSES NET FARM INCOME		\$67.06	(\$207.46)	(RETITE	RN TO CAPITAL, L	AROR I AND) & BICK)			
LABOR AND MANAGEMENT COST		\$60.39	(Ψ <u>2</u> U1.40)	(INE I UP	II TO GAFTIAL, L	WOIN, LAINL	, a mon			
NET OPERATING PROFIT			(\$267.86)	(RETUR	RN TO CAPITAL, L	AND & RISK)			
CAPITAL COSTS		\$12.11	(0070.67)							
RETURN TO LAND AND RISK			(\$279.97)							

TABLE 9. Corn for silage, flood-irrigated, budgeted per acre costs and returns for an 80 acre farm, San Juan County, Projected 2007.

Planting dates: May 1 - May 20

ITEM	PRICE		YIEL	D						TOTA
GROSS RETURNS CORN SILAGE	\$32.00		21.00	TONS (H	AULED)					\$672.00
TOTAL				,	,				-	\$672.00
PURCHASED INPUTS	PRICE		QUANT	TTY	PURCHASED INPUTS				FIXED COST	TOTA
SEED	\$1.06			000	\$31.88					\$31.88
ANHYDROUS AMMONIA (NH3)	\$0.26			LBS	\$59.06					\$59.06
HERBICIDE CANAL WATER	\$16.00			ACRE AC. IN.	\$16.00				\$11.00	\$16.00 \$11.00
CANAL WATER (MAINTENANCE)				ACRE					\$8.00	\$8.00
SUBTOTAL					\$106.94				\$19.00	\$125.94
	POWER		A C C C A P L I	DUMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT		ACCOMPLIS RAT		INPUTS	LABOR	LUBE	REPAIRS	COST	TOTA
PLOW	96 HP		0.67	HR		\$4.46	\$10.00	\$4.17	\$26.12	\$44.74
DISC (2X)	96 HP		0.34			\$2.26	\$5.07	\$1.65	\$16.14	\$25.13
HARROW	96 HP		0.19			\$1.26	\$2.83	\$0.40	\$4.00	\$8.49
FERTILIZE	96 HP		0.05			\$0.33	\$0.75	\$0.10	\$0.64	\$1.82
CORRUGATE	40 HP		0.21			\$1.40	\$1.92	\$0.75	\$5.62	\$9.69
PRE-IRRIGATE PLANTER	96 HP		0.75 0.26			\$4.76 \$1.73	\$3.88	\$0.96	\$38.73	\$4.76 \$45.30
CULTIVATOR (2X)	40 HP		0.42			\$2.79	\$3.85	\$1.49	\$11.24	\$19.38
IRRIGATE (9X)	40111		4.50			\$28.58	ψ0.00	Ψ1.40	Ψ11.24	\$28.58
SUBTOTAL			7.39	HR		\$47.57	\$28.30	\$9.53	\$102.48	\$187.88
HARVEST OPERATIONS										
CILACE CHORDED DTO	OC LID		0.71	LID		£4.70	¢10 E0	¢4.70	¢50.00	¢75.00
SILAGE CHOPPER, PTO LOAD & HAUL	96 HP 40 HP		0.71 0.71			\$4.72 \$4.72	\$10.59 \$6.51	\$1.73 \$1.20	\$58.88 \$28.85	\$75.93 \$41.28
SUBTOTAL			1.42	HR		\$9.44	\$17.10	\$2.94	\$87.73	\$117.20
OVERHEAD EXPENSES										
DOWNTIME			0.89	HR		\$5.92				\$5.92
EMPLOYEE BENEFITS			0.00			\$10.26				\$10.26
INSURANCE					\$1.14					\$1.14
LAND TAXES									\$2.10	\$2.10
SUPERVISION AND MANAGEMENT					C007 44	\$53.32				\$53.32
OTHER EXPENSES					\$227.11					\$227.11
SUBTOTAL			0.89	HR	\$228.25	\$69.50			\$2.10	\$299.85
TOTAL OPERATING EXPENSES			9.70	HR	\$335.18	\$126.51	\$45.40	\$12.47	\$211.31	\$730.88
NET OPERATING PROFIT										(\$58.88
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTME	NT	(\$64.60	@	8.00%)				\$5.17 \$143.98
RETURN TO LAND AND RISK										(\$208.02
		BUDGET	SUMMARY							
ODOGO DETUDN										
GROSS RETURN VARIABLE OPERATING EXPENSES		\$393.05	\$672.00							
RETURN OVER VARIABLE EXPENSES		φυσυ.00	\$278.95	(GROS	S MARGIN)					
FIXED EXPENSES		\$211.31	Ψ2.0.00	(550	,					
NET FARM INCOME			\$67.64	(RETUI	RN TO CAPITAL, L	ABOR, LAND	& RISK)			
LABOR AND MANAGEMENT COST		\$126.51								
NET OPERATING PROFIT		614044	(\$58.88)	(RETUI	RN TO CAPITAL, L	AND & RISK)			
CAPITAL COSTS RETURN TO LAND AND RISK		\$149.14	(\$208.02)							

TABLE 10. Summary of per acre costs and returns for an 80 acre farm, San Juan County, Projected 2007.

Projected 2007.	ALFALFA ESTABLISHMENT	ALFALFA HAY	ANNUAL PASTURE ESTABLISHMENT	ANNUAL PASTURE	CORN FOR SILAGE
	TONS	TONS		AUMS	TONS
PRIMARY YIELD	2.25	5.00		12.00	21.00
PRIMARY PRICE	\$130.00	\$140.00		\$12.00	\$32.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00		\$0.00	\$0.00
SECOND INCOME	\$10.00	\$20.00		\$0.00	\$0.00
GROSS RETURN	\$302.50	\$720.00		\$144.00	\$672.00
CASH OPERATING EXPENSES					
SEED	\$72.70		\$49.00		\$31.88
FERTILIZER	\$18.00	\$18.00	\$30.40	\$52.00	\$59.06
CHEMICALS		\$17.25			\$16.00
CROP INSURANCE					
OTHER PURCHASED INPUTS	\$10.61	\$23.57	\$0.00	\$0.00	\$0.00
CANAL WATER					
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$32.21	\$24.42	\$24.62	\$3.59	\$45.40
FUEL-IRRIGATION REPAIRS	\$9.07	\$3.91	\$7.84	\$0.96	\$12.47
CUSTOM CHARGES	\$9.07	φ3.91	Φ1.04	\$0.96	φ12.4 <i>1</i>
LAND TAXES	\$2.10	\$2.10		\$2.10	\$2.10
OTHER EXPENSES	\$0.69	\$227.99	\$0.43	\$227.85	\$228.25
TOTAL CASH EXPENSES	\$145.38	\$317.24	\$112.29	\$286.51	\$395.16
RETURN OVER CASH EXPENSES	\$157.12	\$402.76	(\$112.29)	(\$142.51)	\$276.84
FIXED EXPENSES	\$175.35	\$178.63	\$129.50	\$64.95	\$209.21
TOTAL EXPENSES	\$320.73	\$495.87	\$241.79	\$351.46	\$604.36
NET FARM INCOME	(\$18.23)	\$224.13	(\$241.79)	(\$207.46)	\$67.64
LABOR AND MANAGEMENT COSTS	\$80.97	\$111.27	\$48.84	\$60.39	\$126.51
NET OPERATING PROFIT	(\$99.20)	\$112.86	(\$290.64)	(\$267.86)	(\$58.88)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL	\$4.76	\$2.57		\$2.17	\$5.17
INTEREST ON EQUIPMENT INVESTMENT	\$96.84	\$79.47		\$9.94	\$143.98
TOTAL CAPITAL COSTS	\$101.60	\$82.04	\$0.00	\$12.11	\$149.14
RETURN TO LAND AND RISK	(\$200.80)	\$30.83	(\$290.64)	(\$279.97)	(\$208.02)

TABLE 11. Whole farm summary, San Juan County, Projected 2007.

Projected 200	1.			
GROSS RETURNS OAT HAY	6.00 ACRES			
CROP	O.OO MONEO	\$1,755		
GRAZING		\$60		
ALFALFA HAY	34.00 ACRES			
CROP		\$23,800		
GRAZING		\$680		
PASTURE	20.00 ACRES	ድር በበር		
GRAZING CORN FOR SILAGE	20.00 ACRES	\$2,880		
CROP	20.00 ACKES	\$13,440		
0.10.		ψ.σ,σ		
GROSS RETURN			_	\$42,615
0401100504711105705	11050			
CASH OPERATING EXPE	INSES	¢1 100		
FERTILIZER		\$1,123 \$2,972		
CHEMICALS		\$907		
CROP INSURANCE		\$0		
OTHER PURCHASED	INPUTS	\$865		
CANAL WATER		\$0		
FUEL, OIL & LUBRICA	NTS-EQUIPMENT	\$2,028		
FUEL-IRRIGATION		\$0		
REPAIRS		\$464		
CUSTOM CHARGES		\$0 \$160		
LAND TAXES OTHER EXPENSES		\$168 \$16.979		
OTHER EXPENSES		\$16,878		
TOTAL CASH	EXPENSES	_	\$25,404	
RETURN OVER CASH EX	(PENSES			\$17,211
FIXED EXPENSES		\$11,213		
TOTAL EXPE	NSES		\$36,617	
NET FARM INCOME				\$5,998
	INT COSTS	\$8,056		*-,
LABOR AND MANAGEME		φο,υσο		
NET OPERATING PROFIT	Γ			(\$2,058)
CAPITAL COSTS INTEREST ON OPERA	TING CARITAL	\$263		
INTEREST ON OPERA		\$6,361		
TOTAL CAPIT	TAL COSTS	_	\$6,624	
RETURN TO LAND AND F	SICK			(\$8,682)
TETOTAL TO ENTRE AND I			-	(ψ0,002)

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$1,000 /ACRE	(\$11,082)	-1.55%
\$2,500 /ACRE	(\$14,682)	-0.82%
\$4,000 /ACRE	(\$18,282)	-0.55%
\$5,500 /ACRE	(\$21,882)	-0.42%
\$7,000 /ACRE	(\$25,482)	-0.34%
\$8,500 /ACRE	(\$29,082)	-0.28%
	, , , , , , , , , , , , , , , , , , ,	

 $^{^{\}star}$ 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)