

TABLE 1 Basic cost information for the Eastern Slope.

Item			
Labor Wage Rate:	\$/hour		7.25
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		0.71
Phosphate (P205)	\$/pound		0.65
Baling wire	\$/pound		0.61
Canal water	\$/acre		10.00
Energy:			
Butane	\$/MCF		1.21
Diesel fuel	\$/gallon		1.30
Gasoline	\$/gallon		1.35
Electricity	cents/KwHr		10.46
Natural Gas	\$/MCF		3.28
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		7.00%
Land Interest Rate	percent		6.00%
Equipment Interest Rate	percent		7.00%
Real Interest Rate	percent		3.00%
Land Taxes	430.00 /acre	(full value)	\$3.58
Personal Property Tax Rate - NR	\$/1,000	(Assessed Value)	24.98
- R			19.57
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..... EASTERN SLOPE Projected 2011.
 FARM SIZE..... 200 ACRES
 IRRIGATION TYPE... FLOOD
 NUMBER OF CROPS... 3

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	7.0 *	12	84
ALFALFA	40.0	36	1,440
GRASS HAY ESTABLISHMENT	8.0 *	18	144
GRASS HAY	160.0	36	5,760
OAT HAY	0.0	0	0
	0.0 *	1.31	0
	0.0	30	0
CORN SILAGE	0.0	0	0
WHEAT	0.0	0	0
ARP	0.0		
FLEX IN SUDAN HAY	0.0	30	0
BARLEY	0.0	0	0
ARP	0.0		
FLEX IN SUDAN HAY	0.0	30	0
CORN	0.0	0	0
ARP	0.0		
FLEX IN SUDAN HAY	0.0	30	0
GREEN CHILE	0.0	0	0
ROADS & DITCHES	0.0		
TOTAL	200.0		7,428
ACRE FEET PER ACRE OF WATER RIGHTS			3.10

* DOUBLE-CROPPED

TABLE 1a. Overhead cost information for the Eastern Slope

ITEM	CROP ENTERPRISE		LIVESTOCK ENTERPRISE		TOTAL
Electricity (Domestic & Shop)	60.00	per month	720	72.00	792.00
Telephone	50.00	per month	600	60.00	660.00
Accounting & Legal			160		159.65
Misc. Supplies & Hand Tools			370		370.00
Pickup and Auto	Crop Ent.	Livestock Ent.			
miles	4000	2000	@	0.365 per mile	
Insurance					
- general liability (non-employee)			170	0.00	169.95
- fire/theft			170	0.00	170.00
Property Taxes					
- non-planted land			0	0.00	0.00
- other than land & machinery			115		115.00
Building repairs and maintenance			185	18.54	203.94
Dues, fees, publications			125	6.25	131.25
Farmstead Equipment			165	16.48	181.28
Total			4,240	903	5,143
Total Per Planted Acre			21.20		

Table 2. Pumping Costs and Data For Irrigation Wells, Eastern Slope

WELL DATA	
DELIVERY PSI	0
DEPTH CHARACTERISTICS:	
SPRINKLER.....	15
DRAW DOI.....	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.....	10.46 CENTS/K w/H
NATURAL GAS.....	3.50 \$/MCF
BUTANE.....	1.21 \$/GAL
DIESEL.....	1.30 \$/GAL
FUEL PUMPING COSTS:	
ELECTRICAL WELL:	
COST PER HOUR.....	\$ 4.66
COST PER ACRE INCH.....	\$ 1.41
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.....	\$ 3.14
COST PER ACRE INCH.....	\$ 0.95

TABLE 2a. Equipment summary for a 200 acre farm with above average management, Eastern Slope, 2005.

EQUIPMENT ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	VARIABLE COSTS					FIXED COSTS		
			TOTAL FUEL AND LUBRICANT VALUE	REPAIR	FUEL LUBE PER HR	REPAIR PER HR	DEPRE- CIATION	TAXES	TOTAL PER HOUR	
TRACTOR 40 HP	36	1	1,600	144	14	4.04	0.41	63	10	2.04
DISC 12 FT	17	1	2,250		0		0.00	300	18	18.71
PLOW 3-BOTTOM (FLP)	20	1	3,750		0		0.00	447	27	24.10
BORDER DISC 6-DISC	0	1	750		0		0.00	100	6	302.98
FLOAT	3	1	200		0		0.00	27	2	9.85
			8,350	144	14			900	61	

Table 3a. Livestock Production Parameters

NUMBER OF COWS	100
COWS PER BULL	25
NUMBER OF HORSES	1
REPLACEMENT RATE (%)	0.1
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 (YEARS)	4
PERCENT SOLD AS YEARLINGS:	
HEIFERS	0
STEEERS	0

Table 3b. Forage Sources for Livestock

	ALMS/		ALMS PROVIDED
	ACRES	ACRE	
ALFALFA	40.00	1.00	40.00
GRASS HAY	160	1	160
LEASED RANGELAND			796.95
BALED HAY (TONS)		160.5	401.25
TOTAL	200.00		1398.20

Table 3c. STOCK COUNT CHART

SEASON	CALVES WERE BORN IN:										
	REPLACEMENT			YEARLING		YEARLING		STEEERS		HEIFER	
	BULLS	COWS	HEIFERS	STEEERS	HEIFERS	CALVES	CALVES	CALVES	CALVES	HORSES	TOTAL ALMS
JANUARY	4	100	1	0.7	0.7	0.7	0.5	0.5	1.25	REQUIRED	111.85
FEBRUARY	4	100									111.85
MARCH	4	100	10								113.85
APRIL	4	100	10								113.85
MAY	4	100	10								113.85
JUNE	4	100	10								113.85
JULY	4	100	10								113.85
AUGUST	4	100	10								113.85
SEPTEMBER	4	100	10								113.85
OCTOBER	4	100				47	47	1	1	1	153.85
NOVEMBER	4	100						0	10	1	111.85
DECEMBER	4	100						0	10	1	111.85
TOTAL											1,398

Table 3d. FORAGE BALANCE CHART

SEASON	TOTAL ALMS		PASTURE/ NATIVE		TOTAL ALMS	
	REQUIRE	ALFALFA	GRASS HAY	RANGELAND	SUPPLIED	HAY
JANUARY	111.85	8	32	0	40	71.85
FEBRUARY	111.85	8	32	0	40	71.85
MARCH	113.85	0	32	0	32	81.85
APRIL	113.85	0	0	113.85	113.85	0
MAY	113.85	0	0	113.85	113.85	0
JUNE	113.85	0	0	113.85	113.85	0
JULY	113.85	0	0	113.85	113.85	0
AUGUST	113.85	0	0	113.85	113.85	0
SEPTEMBER	113.85	0	0	113.85	113.85	0
OCTOBER	153.85	8	0	113.85	121.85	32
NOVEMBER	111.85	8	32	0	40	71.85
DECEMBER	111.85	8	32	0	40	71.85
Total ALMS	1398.2	40	160	796.95	696.95	401.25

TABLE 4. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Eastern Slope
Planting dates: August 15 - October 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL	
<u>PURCHASED INPUTS</u>									
ALFALFA SEED	3.3	20 LBS		66				66	
NITROGEN (N)	0.71	16 LBS		11.36				11.36	
PHOSPHATE (P2O5)	0.65	20 LBS		13				13	
CANAL WATER		12 AC. IN.							
SUBTOTAL				90.36				90.36	
<u>PREHARVEST OPERATIONS</u>									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	40 HP	0.63 HR		4.5675	2.544696	1.4553	13.10145	21.66895	
PLOW	40 HP	1.31 HR		9.4975	5.291352	3.91428	15.61338	34.31652	
DISC (1X)	40 HP	0.53 HR		3.8425	0	0.19875	6.316865	10.35812	
FLOAT	40 HP	0.32 HR		2.32	0	0.6192	0		
BORDER DISC	40 HP	0.05 HR		0.3625	0.20196	0.06525	15.2802	15.90991	
DRILL	CUSTOM		12.73	0	0	0	0	12.73	
IRRIGATE (2X)		2.25 HR		16.3125				16.3125	
CORRUGATE	40 HP	0.54 HR		3.915	2.181168	1.2474	2.046837	9.390405	
SUBTOTAL		5.63 HR	12.73	40.82	10.22	7.50	52.36	123.63	
<u>OVERHEAD EXPENSES</u>									
DOWNTIME		2.105 HR		15.26125				15.26125	
EMPLOYEE BENEFITS				7.34715				7.34715	
INSURANCE			0.81635					0.81635	
SUPERVISION AND MANAGEMENT				18.64899				18.64899	
SUBTOTAL		2.11 HR	0.82	41.26				42.07	
<u>TOTAL OPERATING EXPENSES</u>			7.74 HR	103.91	82.07	10.22	7.50	52.36	256.06

TABLE 5. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Eastern Slope
Harvest dates: June 10 - October 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
ALFALFA HAY	\$165.00	2.5 TONS (STACKED)						412.5
GRAZING	10	1 AUM						10
TOTAL							422.50	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
NITROGEN (N)	0.71	40 LBS	28.4					28.4
PHOSPHATE (P2O5)	0.65	30 LBS	19.5					19.5
INSECTICIDE (CUSTOM)	0	0 ACRE	0					0
WIRE	0.61	21.425 LBS	13.06925					13.06925
ESTABLISHMENT: Principal		6 YEARS						0.00
: Interest								0
CANAL WATER		36 AC. IN.					10	10.00
SUBTOTAL			60.97				10.00	70.97
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
CLEAN DITCHES	CUSTOM		10.00					
IRRIGATE (6X)		2.25 HR		16.31				16.31
FERTILIZE	40HP	0.05 X/ACRE		0.36	0.20	0.02	0.10	0.69
SUBTOTAL			10.00	16.68	0.20	0.02	0.10	27.00
HARVEST OPERATIONS								
MOWER	CUSTOM		30.00					30.00
BALER	CUSTOM		4.15					4.15
RAKE	CUSTOM		104.00					104.00
LOAD AND STACK	CUSTOM		78.40					78.40
SUBTOTAL			216.55					216.55
OVERHEAD EXPENSES								
DOWNTIME				0.00				0.00
EMPLOYEE BENEFITS				3.00				3.00
INSURANCE			0.33					0.33
LAND TAXES							0.00	0.00
SUPERVISION AND MANAGEMENT				31.83				31.83
OTHER EXPENSES			22.02					22.02
SUBTOTAL			22.35	34.83			0.00	57.18
TOTAL OPERATING EXPENSES		2.25 HR	299.87	51.50	0.20	0.02	10.10	361.69
NET OPERATING PROFIT							60.81	
INTEREST ON OPERATING CAPITAL	(30.48463	@	7.00%)			2.13
INTEREST ON EQUIPMENT INVESTMENT								1.99
RETURN TO LAND AND RISK							56.68	

BUDGET SUMMARY

GROSS RETURN		422.50	
VARIABLE OPERATING EXPENSES	300.09		
RETURN OVER VARIABLE EXPENSES		122.41	(GROSS MARGIN)
FIXED EXPENSES	10.10		
NET FARM INCOME		112.31	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	51.50		
NET OPERATING PROFIT		60.81	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	4.12		
RETURN TO LAND AND RISK		56.68	

TABLE 6. Grass hay establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Eastern Slope
Planting dates: August 15 - October 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
FESCUE SEED	0.56	17 LBS		9.52				9.52
PHOSPHATE	0.65	30 LBS		19.5				19.5
NITROGEN	0.71	70 LBS		49.7				49.7
CANAL WATER		18 AC. IN.						0
TIMOTHY SEED								0
SUBTOTAL				78.72				78.72
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	40 HP	1.06 HR		7.69	4.28	2.45	22.04	36.46
PLOW	40 HP	1.31 HR		9.50	5.29	3.91	34.32	53.02
FERTILIZE	40 HP	0.05 HR		0.36	0.20	0.12	1.04	1.72
FLOAT	40 HP	0.32 HR		2.32	1.29	0.12	0.65	4.39
BORDER DISC	40 HP	0.1 HR		0.73	0.40	0.13	30.56	31.82
DRILL	CUSTOM		13.67					13.67
IRRIGATE (3X)		2.25 HR		16.31				16.31
CORRUGATE		0.54 HR		3.92	2.18	0.20	1.11	7.40
SUBTOTAL		5.63 HR	13.67	40.82	13.65	6.93	89.72	164.79
OVERHEAD EXPENSES								
DOWNTIME		0.71 HR		5.15				5.15
EMPLOYEE BENEFITS				10.20				10.20
INSURANCE			0.81635					0.82
SUPERVISION AND MANAGEMENT				20.72				20.72
SUBTOTAL		0.71 HR	0.82	36.07				36.88
TOTAL OPERATING EXPENSES		6.34 HR	93.21	76.89	13.65	6.93	89.72	280.40

TABLE 7. Grass hay pasture, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Eastern Slope
Harvest dates: May 1 - November 30

ITEM	PRICE	YIELD					TOTAL		
GROSS RETURNS									
GRASS HAY	\$150.00	2 TONS					300		
PASTURE	\$14.00	1 AUMS					14		
TOTAL							314		
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS		FIXED COST		TOTAL		
PHOSPHATE	0.65	34	22.10				22.10		
NITROGEN	0.71	70 LBS	49.7				49.7		
ESTABLISHMENT: Principal		20 YEARS			14.01993		14.02		
: Interest					8.464648		8.464648		
CANAL WATER		36 AC. IN.			10		10		
SUBTOTAL			71.80		32.48		104.28		
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS		FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
FERTILIZE	40HP	0.05			0.36	0.20	0.02	0.10	0.69
IRRIGATE (3X)		5 HR			36.25				36.25
CLEAN DITCHES	CUSTOM		5						5
SUBTOTAL		5.00 HR	5.00		36.61	0.20	0.02	0.10	41.94
HARVEST OPERATIONS									
MOWER	CUSTOM		30						30
BALER	CUSTOM		4.15						4.15
RAKE	CUSTOM		104						104
LOAD AND STACK	CUSTOM		78.4						78.4
OVERHEAD EXPENSES			216.55						216.55
DOWNTIME					0				0
EMPLOYEE BENEFITS					6.59025				6.59
INSURANCE			0.73225						0.73225
LAND TAXES							0		0.00
SUPERVISION AND MANAGEMENT					24.48				24.48
OTHER EXPENSES			22.016						22.016
SUBTOTAL			22.75		31.07		0.00		53.82
TOTAL OPERATING EXPENSES		5.00 HR	316.10		67.68	0.20	0.02	32.59	516.14
NET OPERATING PROFIT									-202.14
INTEREST ON OPERATING CAPITAL	(104.2846	@	0.07)				4.284335
INTEREST ON EQUIPMENT INVESTMENT									4.284335
RETURN TO LAND AND RISK									-210.71

BUDGET SUMMARY

GROSS RETURN		314	
VARIABLE OPERATING EXPENSES	316.32		
RETURN OVER VARIABLE EXPENSES		-2.32	(GROSS MARGIN)
FIXED EXPENSES	32.59		
NET FARM INCOME		-34.91	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	67.68		
NET OPERATING PROFIT		-102.59	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	8.56867		
RETURN TO LAND AND RISK		-111.16	

TABLE 8. Grass hay establishment, flood irrigated, budgeted per acre costs and returns for a 200 acre part-time farm, with above average management, Eastern Slope
Planting dates: May 15 - July 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS				TOTAL	
<u>PURCHASED INPUTS</u>								
GRASS HAY SEED	0.56	15 LBS	8.4				8.4	
NITROGEN (N)	0.71	70 LBS	49.7				49.7	
PHOSPHATE (P205)	0.65	35 LBS	22.75				22.75	
CANAL WATER (MAINTENANCE)		18 AC. IN.	0				0	
SUBTOTAL			80.85				80.85	
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & OIL	REPAIRS	FIXED COST	TOTAL
PLOW	40 HP	1.31 HR		9.4975	5.291352	3.91428	34.31876	53.02189
DISC (2X)	40 HP	0.62 HR		4.495	2.504304	1.4322	12.89349	21.325
FERTILIZE	40 HP	0.05 HR		0.3625	0.20196	0.01875	0.102342	0.685552
DRAG	40 HP	0.32 HR		2.32	1.292544	0.12	0.654988	4.387532
BROADCAST SEEDER	40 HP	0.05 HR		0.3625	0.20196	0.01875	0.102342	0.685552
IRRIGATE (3X)		2.25 HR		16.3125				16.3125
SUBTOTAL		4.60 HR		33.35	9.49	5.50	48.07	96.42
<u>OVERHEAD EXPENSES</u>								
DOWNTIME		1.805 HR		13.08625				13.08625
EMPLOYEE BENEFITS				6.003				6.003
INSURANCE			0.667					0.667
LAND TAXES							0	0
SUPERVISION AND MANAGEMENT				181.818				181.818
OTHER EXPENSES			22.016					22.016
SUBTOTAL		1.81 HR	22.68	200.91			0.00	223.59
TOTAL OPERATING EXPENSES		6.41 HR	103.53	234.26	9.49	5.50	48.07	400.86

TABLE 9. Grass Hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Eastern Slope
Harvest dates: August 15 - September 30

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GRASS HAY	150.00	2.50 TONS (STACKED)						375.00
GRAZING	10.00	1.00 ACRE						10.00
TOTAL							385.00	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	0.56	70.00 LBS	39.20					39.20
PHOSPHATE	0.65	35.00 LBS	22.75					22.75
NITROGEN	0.71	70.00 ACRE	49.70					49.70
WIRE	0.61	21.43 LBS	13.07					13.07
CANAL WATER		30.00 AC. IN.					25.00	25.00
SUBTOTAL			124.72				25.00	149.72
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZE	40HP	0.05		0.36	0.10	0.23	1.31	2.01
IRRIGATE (5X)		3.75 HR		27.19	0.00	0.00	0.00	27.19
CLEAN DITCHES	CUSTOM		5.00					5.00
SUBTOTAL		3.80 HR	5.00	27.55	0.10	0.23	1.31	34.20
HARVEST OPERATIONS								
SWATHER	CUSTOM		30.00					30.00
BALER (2X)	CUSTOM		4.15					4.15
BALEWAGON (2X)	CUSTOM		104.00					104.00
SUBTOTAL		0.00 HR	138.15					138.15
OVERHEAD EXPENSES								
DOWNTIME		0.00 HR		0.00				0.00
EMPLOYEE BENEFITS				4.96				4.96
INSURANCE			0.55					0.55
LAND TAXES							0.00	0.00
SUPERVISION AND MANAGEMENT				17.57				17.57
OTHER EXPENSES			22.02					22.02
SUBTOTAL		0.00 HR	22.57	22.53			0.00	45.10
TOTAL OPERATING EXPENSES		3.80 HR	290.44	50.08	0.10	0.23	26.31	367.16
NET OPERATING PROFIT								17.84
INTEREST ON OPERATING CAPITAL	(62.44	@	0.07				4.37
INTEREST ON EQUIPMENT INVESTMENT								20.41
RETURN TO LAND AND RISK								-6.95

BUDGET SUMMARY

GROSS RETURN		385.00	
VARIABLE OPERATING EXPENSES	290.77		
RETURN OVER VARIABLE EXPENSES		94.23	(GROSS MARGIN)
FIXED EXPENSES	26.31		
NET FARM INCOME		67.92	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	50.08		
NET OPERATING PROFIT		17.84	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	24.79		
RETURN TO LAND AND RISK		-6.95	

TABLE 10. Summary of per acre costs and returns, 200 acre farm with above average management, Eastern Slope

	ALFALFA ESTABLISHMENT	ALFALFA HAY	GRASS EST. -----FLOOD-----	GRASS HAY PASTURE
		TONS		TONS/AUMS
PRIMARY PRICE				300.00
PRIMARY YIELD		2.50		1.00
PRIMARY PRICE		165.00		0.00
GOVERNMENT PAYMENTS		0.00		0.00
SECOND INCOME		10.00		14.00
GROSS RETURN		422.50		314.00
CASH OPERATING EXPENSES				
SEED	66.00		9.52	
FERTILIZER	24.36	47.90	69.20	49.70
CHEMICALS		0.00		
CROP INSURANCE				
OTHER PURCHASED INPUTS		13.07		
CANAL WATER				10.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	10.22	0.20	13.65	0.20
FUEL-IRRIGATION				
REPAIRS	7.50	0.02	6.93	0.02
CUSTOM CHARGES	12.73	216.55	13.67	
LAND TAXES		0.00		0.00
OTHER EXPENSES	0.82	22.35	0.82	22.75
TOTAL CASH EXPENSES	121.63	300.09	113.79	516.14
RETURN OVER CASH EXPENSES	-121.63	122.41	-113.79	-202.14
FIXED EXPENSES	52.36	10.10	89.72	22.59
TOTAL EXPENSES	173.98	310.19	203.51	538.72
NET FARM INCOME	-173.98	112.31	-203.51	-224.72
LABOR AND MANAGEMENT COSTS	82.07	51.50	76.89	67.68
NET OPERATING PROFIT	-256.06	60.81	-280.40	-292.41
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		2.13		4.28
INTEREST ON EQUIPMENT INVESTMENT		1.99		4.28
TOTAL CAPITAL COSTS	0.00	4.12	0.00	8.57
RETURN TO LAND AND RISK	-256.06	56.68	-280.40	-6.95

TABLE 11. Whole farm budget summary, Eastern Slope Projected 2011.

GROSS RETURNS		
ALFALFA HAY	40 ACRES	
CROP		16500
GRAZING		400
GRASS HAY	160 ACRES	
CROP		60000
GRAZING		2240
SUDAN HAY (AOH)	0 ACRES	
CROP		0
GRAZING		0
	0 ACRES	
		0
		0
LIVESTOCK		46956.4
GROSS RETURN		126,096
CASH OPERATING EXPENSES		
FORAGE		3715.88
LIVESTOCK FEED		29047.06
SEED		538.16
FERTILIZER		10592.12
CHEMICALS		0.00
CROP INSURANCE		0.00
OTHER PURCHASED INPUTS		522.77
CANAL WATER		1600.00
FUEL, OIL & LUBRICANTS-EQUIPMENT		221.15
FUEL-IRRIGATION		0.00
REPAIRS		111.70
CUSTOM CHARGES		8860.47
LAND TAXES		0.00
OTHER EXPENSES		4545.95
		59,755
RETURN OVER CASH EXPENSES		66341.14
FIXED EXPENSES		2,859.11
TOTAL EXPENSES		62,614.37
NET FARM INCOME		63,482.03
LABOR AND MANAGEMENT COSTS	14,078.91	
NET OPERATING PROFIT		49,403.13
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		770.85
INTEREST ON EQUIPMENT INVESTMENT		765.08
		1,535.93
RETURN TO LAND AND RISK		47,867.19

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
1,000 /ACRE	41867.19	0.237116
2,000 /ACRE	35867.19	0.120982
3,000 /ACRE	29867.19	0.081208
4,000 /ACRE	23867.19	0.061116
5,000 /ACRE	17867.19	0.048994
6,000 /ACRE	11867.19	0.040885
7,000 /ACRE	5867.192	0.035079

* 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)