

TABLE 1. Acreage Summary, Torrance and Santa Fe Counties,  
Projected 2005.

BUDGET AREA..... ESTANCIA BASIN, TORRANCE AND SANTA FE COUNTIES			
FARM SIZE.....	160 ACRES		
IRRIGATION TYPE.....	FLOOD		
NUMBER OF CROPS....	3		
		WATER USE	
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	8.00 *	6	48
ALFALFA	40.00	42	1,680
CORN FOR GRAIN	51.00	36	1,836
ARP	0.00		
FLEX IN PINTO BEANS	9.00	36	324
PINTO BEANS	50.00	18	900
IDLE, ROADS, HOMESTEAD	10.00		
<b>TOTAL</b>	<b>160.00</b>		<b>4,788</b>
ACRE FEET PER ACRE OF WATER RIGHTS			2.49

\* DOUBLE-CROPPED

TABLE 2. Basic cost information for the Estancia Basin,  
Projected 2005.

Item			
<b>Labor Wage Rate:</b>			
Equipment operators	\$/hour		\$6.65
General & Irrigators	\$/hour		\$6.35
<b>Purchased Inputs:</b>			
<b>Fertilizer:</b>			
Anhydrous Ammonia (NH3)	\$/ton		\$400.00
Nitrogen (N)	\$/pound		\$0.40
Phosphate (P205)	\$/pound		\$0.31
<b>Seed:</b>			
Alfalfa	\$/pound		\$2.88
Corn	\$/bag		\$85.00
Pinto Beans	\$/pound		\$0.65
Natural gas	\$/MCF		\$3.29
(service charge)	\$/month		\$10.00
Diesel fuel	\$/gallon		\$2.10
Gasoline	\$/gallon		\$2.00
Electricity	cents/KwHr		4.59
LP Gas	\$/Gal		\$1.70
Employee Liability Insurance	\$/ \$1,000 wages		\$12.00
Employee Benefits	percent/wages		12.00%
Labor Downtime	percent		25.00%
<b>Financial Rates:</b>			
Operating Capital Interest Rate	percent		7.00%
Land Interest Rate	percent		7.00%
Equipment Interest Rate	percent		7.00%
Real Interest Rate	percent		3.00%
Land Taxes	\$100.00 /acre (full value)		\$0.81
Personal Property Tax Rate	- NR	\$/ \$1,000 (Assessed Value)	\$24.17
	- R		\$23.07
<b>Supervision Factors</b>			
Field Crop-Irrigation	\$/labor hour		\$1.00
Field Crop-Equipment & General	\$/labor hour		\$0.50
Management Rate	percent		4.00%

TABLE 3. Overhead cost information for the Estancia Basin,  
Projected 2005.

Item			
Electricity (Domestic & Shop)		\$215.00 per month	\$2,580
Telephone		\$115.00 per month	\$1,380
Accounting & Legal			\$1,525
Misc. Supplies & Hand Tools			\$1,430
Pickup and Auto			
miles	20,030	@ \$0.365 per mile	\$7,311
<b>Insurance</b>			
- general liability (non-employee)			\$1,710
- fire/theft			\$1,525
<b>Property Taxes</b>			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,290
Dues, fees, publications			\$405
Farmstead Equipment			\$185
Total			\$25,351
Total Per Planted Acre			\$169.01

TABLE 4. Pumping costs and data for irrigation wells, Estancia Basin,  
Projected 2005.

INPUT DATA		DEPTH CHARACTERISTICS:	
		STATIC.....	175
		DRAW DOWN.....	25
		TOTAL HEAD.....	200
		CASING.....	250
GALLONS PER MINUTE (GPM)	500		
WORK HORSEPOWER	25		
EFFICIENCY FACTOR:			
ELECTRICITY	0.540		
NATURAL GAS	0.154		
LP GAS	0.154		
DIESEL	0.160		
FUEL COST PER HOUR:			
ELECTRICITY	\$4.59	CENTS/KwHr	
NATURAL GAS	\$3.29	\$/MCF	
LP GAS	\$1.70	\$/GAL	
DIESEL	\$2.10	\$/GAL	
PUMPING COSTS			
ELECTRIC WELL:			
COST PER HOUR		\$1.63	
COST PER ACRE INCH		\$1.48	
NATURAL GAS WELL:			
COST PER HOUR		\$1.54	
COST PER ACRE INCH		\$1.39	
LP GAS WELL:			
COST PER HOUR		\$7.75	
COST PER ACRE INCH		\$7.02	
DIESEL WELL:			
COST PER HOUR		\$5.98	
COST PER ACRE INCH		\$5.41	

TABLE 5. Equipment summary for a 160 acre flood-irrigated, part-time farm, Estancia Basin,  
Projected 2005.

EQUIPMENT		ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	VARIABLE COSTS				FIXED COSTS		
ITEM & SIZE	FUEL, OIL, LUBRICANT				REPAIR	FUEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR	
TRACTOR	65 HP	110	1	\$4,701	\$1,065	\$142	\$9.72	\$1.29	\$539	\$87	\$5.72
TRACTOR	96 HP	141	1	\$9,473	\$1,802	\$292	\$12.79	\$2.07	\$1,152	\$139	\$9.16
TRUCK	1 TON	26	1	\$20,000	\$463	\$143	\$18.15	\$5.60	\$2,667	\$161	\$110.89
COMBINE		36	1	\$17,648	\$898	\$62	\$24.85	\$1.73	\$2,161	\$348	\$69.43
CORN HEAD		18	1	\$1,300		\$6		\$0.34	\$283	\$17	\$16.83
BEAN HEAD		18	1	\$1,200		\$6		\$0.32	\$267	\$16	\$15.46
BEAN KNIVES		30	1	\$800		\$29		\$0.99	\$107	\$6	\$3.83
SWATHER, PTO	14 FT	19	1	\$2,100		\$5		\$0.28	\$700	\$56	\$39.40
BALER, PTO	2 WIRE	25	1	\$1,600		\$4		\$0.15	\$385	\$31	\$16.51
RAKE		14	1	\$750		\$3		\$0.21	\$75	\$6	\$5.72
PLANTER	4 ROW	29	1	\$3,400		\$47		\$1.63	\$680	\$27	\$24.73
CHISEL 12 FT	12 FT	12	1	\$1,200		\$18		\$1.49	\$160	\$10	\$14.38
CULTIVATOR	4 ROW	59	1	\$2,000		\$145		\$2.48	\$267	\$16	\$4.83
DISC	18 FT	34	1	\$5,400		\$228		\$6.70	\$720	\$44	\$22.46
FLOAT		2	1	\$500		\$0		\$0.02	\$53	\$3	\$37.21
DRILL	12 FT	2	1	\$2,200		\$2		\$1.06	\$440	\$18	\$272.46
LISTER	4 ROW	21	1	\$1,600		\$42		\$1.98	\$213	\$13	\$10.65
FERT SPREADER	DEALER FURNISHED	5	1								
WELL NATURAL GAS		4,187	1	\$8,750	\$6,428	\$0	\$1.54	\$0.00	\$700	\$70	\$0.21
				\$84,622	\$10,656	\$1,174			\$11,568	\$1,070	

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 160 acre part-time farm, Estancia Basin,  
 Projected 2005  
 Planting dates: August 1 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
<b>PURCHASED INPUTS</b>								
SEED	\$2.88	20 LBS	\$57.60					\$57.60
PUMP WATER*		6 AC. IN.						
SUBTOTAL			\$57.60					\$57.60
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	96 HP	0.34 HR		\$2.26	\$4.35	\$2.98	\$10.75	\$20.34
CHISEL	96 HP	0.20 HR		\$1.33	\$2.56	\$0.71	\$4.71	\$9.31
FLOAT	65 HP	0.19 HR		\$1.26	\$1.85	\$0.25	\$8.16	\$11.52
LISTER	96 HP	0.18 HR		\$1.20	\$2.30	\$0.73	\$3.57	\$7.79
FERT SPREADER	65 HP	0.05 HR		\$0.33	\$0.49	\$0.06	\$0.29	\$1.17
DRILL	65 HP	0.21 HR		\$1.40	\$2.04	\$0.49	\$58.42	\$62.35
IRRIGATE		0.75 HR		\$4.76	\$8.34	\$0.00	\$1.15	\$14.25
SUBTOTAL		1.92 HR		\$12.54	\$21.92	\$5.23	\$87.03	\$126.73
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.48 HR		\$3.19				\$3.19
EMPLOYEE BENEFITS				\$1.51				\$1.51
INSURANCE			\$0.15					\$0.15
SUPERVISION AND MANAGEMENT				\$8.71				\$8.71
SUBTOTAL		0.48 HR	\$0.15	\$13.41				\$13.56
<b>TOTAL OPERATING EXPENSES</b>		2.40 HR	\$57.75	\$25.95	\$21.92	\$5.23	\$87.03	\$197.89

TABLE 7. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 160 acre part-time farm, Estancia Basin, Projected 2005.  
Harvesting dates: June 15 - October 15

ITEM	PRICE	YIELD	TOTAL
<b>GROSS RETURNS</b>			
ALFALFA HAY	\$120.00	4.00 TONS (IN FIELD)	\$480.00
GRAZING	\$10.00	1.00 ACRE	\$10.00
<b>TOTAL</b>			<b>\$490.00</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
NITROGEN (N)	\$0.40	22 LBS	\$8.80		\$8.80
PHOSPHATE (P205)	\$0.31	123 LBS	\$38.13		\$38.13
INSECTICIDE (CUSTOM)	\$23.14	1 ACRE	\$23.14		\$23.14
LIVESTOCK FAC & EQUIP				\$5.00	\$5.00
WIRE	\$0.37	34 LBS	\$12.74		\$12.74
ESTABLISHMENT: Principal		5 YEARS		\$39.58	\$39.58
: Interest				\$4.87	\$4.87
PUMP WATER*		42 AC. IN.			
<b>SUBTOTAL</b>			<b>\$82.81</b>	<b>\$49.44</b>	<b>\$132.25</b>

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERT SPREADER	65 HP	0.05 HR		\$0.33	\$0.49	\$0.06	\$0.29	\$1.17
IRRIGATE (7X)		3.50 HR		\$22.23	\$58.36	\$0.00	\$8.08	\$88.67
<b>SUBTOTAL</b>		<b>3.55 HR</b>		<b>\$22.56</b>	<b>\$58.85</b>	<b>\$0.06</b>	<b>\$8.37</b>	<b>\$89.84</b>

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWATHER (3X)	96 HP	0.48 HR		\$3.19	\$6.14	\$1.13	\$23.31	\$33.77
BALER (3X)	96 HP	0.63 HR		\$4.19	\$8.06	\$1.40	\$16.17	\$29.82
<b>SUBTOTAL</b>		<b>1.11 HR</b>		<b>\$7.38</b>	<b>\$14.19</b>	<b>\$2.53</b>	<b>\$39.48</b>	<b>\$63.59</b>

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.29 HR		\$1.93				\$1.93
EMPLOYEE BENEFITS			\$3.59				\$3.59
INSURANCE		\$0.36					\$0.36
LAND TAXES						\$0.81	\$0.81
SUPERVISION AND MANAGEMENT			\$23.68				\$23.68
OTHER EXPENSES		\$169.01					\$169.01
<b>SUBTOTAL</b>	<b>0.29 HR</b>	<b>\$169.37</b>	<b>\$29.20</b>			<b>\$0.81</b>	<b>\$199.37</b>

TOTAL OPERATING EXPENSES 4.95 HR \$252.17 \$59.14 \$73.04 \$2.60 \$98.10 \$485.05

NET OPERATING PROFIT \$4.95

INTEREST ON OPERATING CAPITAL ( \$59.96 @ 7.00% ) \$4.20  
 INTEREST ON EQUIPMENT INVESTMENT \$34.42

RETURN TO LAND AND RISK (\$33.66)

\* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$490.00	
VARIABLE OPERATING EXPENSES	\$327.81		
RETURN OVER VARIABLE EXPENSES		\$162.19	(GROSS MARGIN)
FIXED EXPENSES	\$98.10		
NET FARM INCOME		\$64.09	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$59.14		
NET OPERATING PROFIT		\$4.95	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$38.61		
RETURN TO LAND AND RISK		(\$33.66)	

TABLE 8. Corn for grain, flood-irrigated, budgeted per acre costs and returns for a 160 acre part-time farm, Estancia Basin,  
 Projected 2005  
 Planting dates: May 1 - May 20  
 Harvesting dates: November 1 - November 30

ITEM	PRICE	YIELD	BASE	TOTAL
<b>GROSS RETURN</b>				
CORN FOR GRAIN	\$2.25	120.00 BUSHEL		\$270.00
DIRECT PAYMENT	\$0.00	120.00 BUSHEL	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 BUSHEL		\$0.00
GRAZING	\$12.00	1.00 ACRE		\$12.00
<b>TOTAL</b>				<b>\$282.00</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.06	25 000	\$26.56		\$26.56
ANHYDROUS AMMONIA (NH3)	\$0.20	200 LBS	\$40.00		\$40.00
NITROGEN (N)	\$0.40	20 LBS	\$8.00		\$8.00
PHOSPHATE (P205)	\$0.31	44 LBS	\$13.64		\$13.64
INSECTICIDE	\$16.99	1 ACRE	\$16.99		\$16.99
HERBICIDE	\$16.99	1 ACRE	\$16.99		\$16.99
LIVESTOCK FAC & EQUIP				\$5.00	\$5.00
PUMP WATER*		36 AC. IN.			
CROP INSURANCE	\$0.98				\$0.98
<b>SUBTOTAL</b>			<b>\$122.17</b>	<b>\$5.00</b>	<b>\$128.15</b>

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	96 HP	0.22 HR		\$1.46	\$2.81	\$1.93	\$6.96	\$13.16
CHISEL	96 HP	0.20 HR		\$1.33	\$2.56	\$0.71	\$4.71	\$9.31
FERT SPREADER	65 HP	0.05 HR		\$0.33	\$0.49	\$0.06	\$0.29	\$1.17
LISTER	96 HP	0.18 HR		\$1.20	\$2.30	\$0.73	\$3.57	\$7.79
PRE IRRIGATE		0.75 HR		\$4.76	\$8.34	\$0.00	\$1.15	\$14.25
PLANTER	65 HP	0.26 HR		\$1.73	\$2.53	\$0.76	\$7.92	\$12.94
CULTIVATOR (2X)	65 HP	0.42 HR		\$2.79	\$4.08	\$1.59	\$4.43	\$12.89
IRRIGATE (5X)		2.50 HR		\$15.88	\$41.69	\$0.00	\$5.77	\$63.34
<b>SUBTOTAL</b>		<b>4.58 HR</b>		<b>\$29.48</b>	<b>\$64.79</b>	<b>\$5.78</b>	<b>\$34.79</b>	<b>\$134.85</b>

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
COMBINE	4-ROW	0.35 HR		\$2.33	\$8.70	\$0.72	\$30.19	\$41.94
HAUL	1-TON	0.50 HR		\$3.33	\$9.08	\$2.80	\$55.45	\$70.65
<b>SUBTOTAL</b>		<b>0.85 HR</b>		<b>\$5.65</b>	<b>\$17.77</b>	<b>\$3.52</b>	<b>\$85.64</b>	<b>\$112.59</b>

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.55 HR		\$3.62				\$3.62
EMPLOYEE BENEFITS			\$4.22				\$4.22
INSURANCE		\$0.42					\$0.42
LAND TAXES						\$0.81	\$0.81
SUPERVISION AND MANAGEMENT			\$17.75				\$17.75
OTHER EXPENSES		\$169.01					\$169.01
<b>SUBTOTAL</b>	<b>0.55 HR</b>	<b>\$169.43</b>	<b>\$25.59</b>			<b>\$0.81</b>	<b>\$195.82</b>

TOTAL OPERATING EXPENSES 5.98 HR \$291.60 \$60.72 \$82.57 \$9.31 \$126.23 \$571.41

NET OPERATING PROFIT (\$289.41)

INTEREST ON OPERATING CAPITAL ( \$81.00 @ 7.00% ) \$5.67  
 INTEREST ON EQUIPMENT INVESTMENT \$82.60

RETURN TO LAND AND RISK (\$377.68)

\* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$282.00	
VARIABLE OPERATING EXPENSES	\$383.47		
RETURN OVER VARIABLE EXPENSES	(\$101.47)	(GROSS MARGIN)	
FIXED EXPENSES	\$126.23		
NET FARM INCOME	(\$227.71)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$60.72		
NET OPERATING PROFIT	(\$288.43)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$88.27		
RETURN TO LAND AND RISK	(\$376.70)		

TABLE 9. Pinto beans, flood-irrigated, budgeted per acre costs and returns for a 160 acre part-time farm, Estancia Basin, Projected 2005.  
 Planting dates: May 15 - June 10  
 Harvesting dates: September 1 - October 31

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
PINTO BEANS	\$16.00	20.00 CWT (BAGGED, CLEANED)						\$320.00
TOTAL								\$320.00

  

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$0.65	60 LBS	\$39.00					\$39.00
INSECTICIDE (FLY-ON)	\$11.85	1 ACRE	\$11.85					\$11.85
HERBICIDE	\$16.99	1 ACRE	\$16.99					\$16.99
PUMP WATER*		18 AC. IN.						
SUBTOTAL			\$67.84					\$67.84

  

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	96 HP	0.34 HR		\$2.26	\$4.35	\$2.98	\$10.75	\$20.34
LISTER	96 HP	0.18 HR		\$1.20	\$2.30	\$0.73	\$3.57	\$7.79
PRE-IRRIGATE		0.75 HR		\$4.76	\$8.34	\$0.00	\$1.15	\$14.25
PLANTER	65 HP	0.26 HR		\$1.73	\$2.53	\$0.76	\$7.92	\$12.94
CULTIVATOR (3X)	65 HP	0.63 HR		\$4.00	\$6.13	\$2.38	\$6.64	\$19.15
IRRIGATE (2X)		1.00 HR		\$6.35	\$16.67	\$0.00	\$2.31	\$25.33
SUBTOTAL		3.16 HR		\$20.30	\$40.32	\$6.85	\$32.34	\$99.81

  

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
CUT	96 HP	0.50 HR		\$3.33	\$6.39	\$1.53	\$6.50	\$17.75
RAKE	65 HP	0.24 HR		\$1.60	\$2.33	\$0.36	\$2.75	\$7.04
COMBINE		0.31 HR		\$2.06	\$7.70	\$0.64	\$26.32	\$36.71
CLEANING & BAGGING			\$60.00					\$60.00
SUBTOTAL		1.05 HR	\$60.00	\$6.98	\$16.43	\$2.53	\$35.56	\$121.50

  

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.62 HR		\$4.09				\$4.09
EMPLOYEE BENEFITS			\$3.27				\$3.27
INSURANCE		\$0.33					\$0.33
LAND TAXES						\$0.81	\$0.81
SUPERVISION AND MANAGEMENT			\$15.93				\$15.93
OTHER EXPENSES		\$169.01					\$169.01
SUBTOTAL	0.62 HR	\$169.33	\$23.29			\$0.81	\$193.43

  

TOTAL OPERATING EXPENSES	4.83 HR	\$297.17	\$50.58	\$56.75	\$9.38	\$68.70	\$482.58
NET OPERATING PROFIT							(\$162.58)
INTEREST ON OPERATING CAPITAL	( \$52.29 @ 7.00% )						\$3.66
INTEREST ON EQUIPMENT INVESTMENT							\$57.48
RETURN TO LAND AND RISK							(\$223.72)

\* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN	\$320.00	
VARIABLE OPERATING EXPENSES	\$363.30	
RETURN OVER VARIABLE EXPENSES	(\$43.30)	(GROSS MARGIN)
FIXED EXPENSES	\$68.70	
NET FARM INCOME	(\$112.00)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$50.58	
NET OPERATING PROFIT	(\$162.58)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$61.14	
RETURN TO LAND AND RISK	(\$223.72)	

TABLE 10. Summary of per acre costs and returns for a 160 acre part-time, flood-irrigated farm, Estancia Basin, New Mexico, Projected 2005.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	CORN FOR GRAIN	PINTO BEANS
		TONS	BU	CWT
PRIMARY YIELD		4.00	120.00	20.00
PRIMARY PRICE		\$120.00	\$2.25	\$16.00
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00
SECOND INCOME		\$10.00	\$12.00	\$0.00
GROSS RETURN		\$490.00	\$282.00	\$320.00
CASH OPERATING EXPENSES				
SEED	\$57.60		\$26.56	\$39.00
FERTILIZER		\$46.93	\$61.64	
CHEMICALS		\$23.14	\$33.97	\$28.84
CROP INSURANCE			\$0.98	
OTHER PURCHASED INPUTS		\$12.74		
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$13.58	\$14.68	\$32.54	\$31.73
FUEL-IRRIGATION	\$8.34	\$58.36	\$50.02	\$25.01
REPAIRS	\$5.23	\$2.60	\$9.31	\$9.38
CUSTOM CHARGES				\$60.00
LAND TAXES		\$0.81	\$0.81	\$0.81
OTHER EXPENSES	\$0.15	\$169.37	\$169.43	\$169.33
TOTAL CASH EXPENSES	\$84.90	\$328.62	\$385.26	\$364.10
RETURN OVER CASH EXPENSES	(\$84.90)	\$161.38	(\$103.26)	(\$44.10)
FIXED EXPENSES	\$87.03	\$97.29	\$125.43	\$67.90
TOTAL EXPENSES	\$171.94	\$425.91	\$510.69	\$432.00
NET FARM INCOME	(\$171.94)	\$64.09	(\$228.69)	(\$112.00)
LABOR AND MANAGEMENT COSTS	\$25.95	\$59.14	\$60.72	\$50.58
NET OPERATING PROFIT	(\$197.89)	\$4.95	(\$289.41)	(\$162.58)
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		\$4.20	\$5.67	\$3.66
INTEREST ON EQUIPMENT INVESTMENT		\$34.42	\$82.60	\$57.48
TOTAL CAPITAL COSTS	\$0.00	\$38.61	\$88.27	\$61.14
RETURN TO LAND AND RISK	(\$197.89)	(\$33.66)	(\$377.68)	(\$223.72)

TABLE 11. Whole farm summary, Estancia Basin,  
Projected 2005.

GROSS RETURNS		
ALFALFA HAY	40.00 ACRES	
CROP		\$19,200
GRAZING		\$400
CORN FOR GRAIN	51.00 ACRES	
CROP		\$13,770
GRAZING		\$612
DIRECT PAYMENT		\$0
PINTO BEANS	59.00 ACRES	
CROP		\$18,880
GROSS RETURN		<u>\$52,862</u>
CASH OPERATING EXPENSES		
SEED		\$4,116
FERTILIZER		\$5,021
CHEMICALS		\$4,360
CROP INSURANCE		\$50
OTHER PURCHASED INPUTS		\$509
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$4,228
FUEL-IRRIGATION		\$6,428
REPAIRS		\$1,174
CUSTOM CHARGES		\$3,540
LAND TAXES		\$121
OTHER EXPENSES		\$25,407
TOTAL CASH EXPENSES		<u>\$54,954</u>
RETURN OVER CASH EXPENSES		(\$2,092)
FIXED EXPENSES		\$13,407
TOTAL EXPENSES		\$68,362
NET FARM INCOME		(\$15,500)
LABOR AND MANAGEMENT COSTS		\$8,654
NET OPERATING PROFIT		(\$24,154)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$673
INTEREST ON EQUIPMENT INVESTMENT		\$8,981
TOTAL CAPITAL COSTS		<u>\$9,654</u>
RETURN TO LAND AND RISK		<u>(\$33,808)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$750 /ACRE	(\$37,408)	-11.80%
\$1,000 /ACRE	(\$38,608)	-9.87%
\$1,250 /ACRE	(\$39,808)	-8.49%
\$1,500 /ACRE	(\$41,008)	-7.44%

\* 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)