

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... VALENCIA & SOUTHERN BERNALILLO COUNT Projected 2011.  
FARM SIZE..... 100.00 ACRES  
IRRIGATION TYPE..... FLOOD  
NUMBER OF CROPS..... 4

VERSION 1.0

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TABLE 1. Acreage Summary, Valencia and Souther Bernalillo Counties, Projected 2011.

BUDGET AREA.....	VALENCIA & SOUTHERN BERNALILLO COUNTIES
FARM SIZE.....	100 ACRES
IRRIGATION TYPE.....	FLOOD
NUMBER OF CROPS....	4

ACREAGE SUMMARY:	WATER USE		
	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	12.00 *	12	144
ALFALFA	71.00	44	3,124
SMALL GRAIN HAY	10.00	24	240
SORGHUM HAY	10.00 *	24	240
CORN SILAGE	10.00	42	420
ROADS, HOMESTEAD	9.00		
<b>TOTAL</b>	<b>100.00</b>		<b>4,168</b>
<b>ACRE FEET PER ACRE OF WATER RIGHTS</b>			<b>3.47</b>

\* DOUBLE-CROPPED

TABLE 2. Basic cost information for Valencia and Southern Bernalillo Counties, Projected 2011.

Item		
Labor Wage Rate:	\$/hour	\$7.25
Purchased Inputs:		
Fertilizer:		
Nitrogen (N)	\$/pound	\$0.71
Phosphate (P205)	\$/pound	\$0.65
Anhydrous Ammonia (NH3)	\$/ton	\$625.00
Seed:		
Alfalfa	\$/pound	\$3.30
Oats	\$/pound	\$0.34
Corn	\$/bag	\$216.50
Sorghum	\$/pound	\$1.78
Baling Wire	\$/pound	\$0.61
Canal water	\$/acre	\$28.00
Energy:		
Butane	\$/gallon	\$2.40
Diesel fuel	\$/gallon	\$2.95
Gasoline	\$/gallon	\$3.05
Electricity	Cents/KwHr	11.98
Natural Gas	\$/MCF	\$3.76
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	7.00%
Land Interest Rate	percent	6.00%
Equipment Interest Rate	percent	7.00%
Real Interest Rate	percent	3.00%
Land Taxes	\$483.00 /acre (full value)	\$5.42
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value) \$33.64 \$28.14
Supervision Factors		
Irrigation	\$/labor hour	\$1.00
Equipment & General	\$/labor hour	\$0.50
Management Rate	percent	7.00%

TABLE 3. Overhead cost information for Valencia and Southern Bernalillo Counties, Projected 2011.

Item			
Electricity (Domestic & Shop)		\$133.10 per month	\$1,597
Telephone		\$96.80 per month	\$1,162
Accounting & Legal			\$581
Misc. Supplies & Hand Tools			\$587
Pickup and Auto			
miles	12,463 @	\$0.500 per mile	\$6,232
Insurance			
- general liability (non-employee)			\$1,228
- fire/theft			\$823
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$617
Dues, fees, publications			\$327
Farmstead Equipment			\$200
Total			\$19,362
Total per planted acre			\$212.77



TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, Valencia and Southern Bernalillo Counties, Projected 2011.

Planting dates: August 15 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
<b>PURCHASED INPUTS</b>								
SEED	\$3.30	20 LBS		\$66.00				\$66.00
PHOSPHATE (P2O5)	\$0.65	90 LBS		\$58.50				\$58.50
NITROGEN (N)	\$0.71	35 LBS		\$24.85				\$24.85
CANAL WATER		12 AC. IN.						
SUBTOTAL				\$149.35				\$149.35
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	96 HP	0.17 HR		\$1.23	\$3.16	\$0.83	\$9.92	\$15.13
PLOW	96 HP	0.67 HR		\$4.86	\$12.44	\$4.17	\$36.89	\$58.37
DISC	96 HP	0.17 HR		\$1.23	\$3.16	\$0.83	\$9.92	\$15.13
LASER PLANE (CUSTOM)			\$70.71					\$70.71
BORDER DISC	50 HP	0.05 HR		\$0.36	\$0.57	\$0.10	\$5.56	\$6.59
DRILL	50 HP	0.25 HR		\$1.81	\$2.85	\$0.49	\$15.03	\$20.18
IRRIGATE (2X)		1.00 HR		\$7.25				\$7.25
SUBTOTAL		2.31 HR	\$70.71	\$16.75	\$22.18	\$6.41	\$77.32	\$193.37
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.33 HR		\$2.37				\$2.37
EMPLOYEE BENEFITS				\$3.01				\$3.01
INSURANCE			\$0.33					\$0.33
SUPERVISION AND MANAGEMENT				\$25.65				\$25.65
SUBTOTAL		0.33 HR	\$0.33	\$31.03				\$31.37
<b>TOTAL OPERATING EXPENSES</b>		2.64 HR	\$220.39	\$47.78	\$22.18	\$6.41	\$77.32	\$374.09

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, Valencia and Southern Bernalillo Counties, Projected 2011.  
Harvesting dates: June 1 - October 15

ITEM	PRICE	YIELD							TOTAL
<b>GROSS RETURNS</b>									
ALFALFA HAY	\$165.00	5.00 TONS (STACKED)							\$825.00
GRAZING	\$10.00	1.00 ACRE							\$10.00
<b>TOTAL</b>									<b>\$835.00</b>
<b>PURCHASED INPUTS</b>									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
PHOSPHATE (P2O5)	\$0.65	90 LBS	\$58.50					\$58.50	
INSECTICIDE (CUSTOM)	\$21.71	1 X/ACRE	\$21.71					\$21.71	
WIRE	\$0.36	43 LBS	\$15.39					\$15.39	
ESTABLISHMENT: Principal		6 YEARS					\$62.35	\$62.35	
: Interest							\$12.80	\$12.80	
CANAL WATER		44 AC. IN.	\$28.00					\$28.00	
<b>SUBTOTAL</b>			<b>\$123.60</b>				<b>\$75.15</b>	<b>\$198.75</b>	
<b>PREHARVEST OPERATIONS</b>									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
IRRIGATE (8X)		4.00 HR		\$29.00				\$29.00	
<b>HARVEST OPERATIONS</b>									
SWATHER (4X)	14 FT.	0.64 HR		\$4.64	\$7.07	\$0.37	\$20.54	\$32.62	
BALER, PTO (4X)	50 HP	0.84 HR		\$6.09	\$9.58	\$1.04	\$16.05	\$32.76	
BALE WAGON (CUSTOM) (2X)			\$23.40					\$23.40	
<b>SUBTOTAL</b>		<b>1.48 HR</b>	<b>\$23.40</b>	<b>\$10.73</b>	<b>\$16.65</b>	<b>\$1.41</b>	<b>\$36.59</b>	<b>\$88.78</b>	
<b>OVERHEAD EXPENSES</b>									
DOWNTIME		0.37 HR		\$2.68				\$2.68	
EMPLOYEE BENEFITS				\$7.15				\$7.15	
INSURANCE			\$0.79					\$0.79	
LAND TAXES							\$5.42	\$5.42	
SUPERVISION AND MANAGEMENT				\$63.19				\$63.19	
OTHER EXPENSES			\$212.77					\$212.77	
<b>SUBTOTAL</b>		<b>0.37 HR</b>	<b>\$213.57</b>	<b>\$73.02</b>				<b>\$5.42</b>	<b>\$292.01</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>5.85 HR</b>	<b>\$360.57</b>	<b>\$112.75</b>	<b>\$16.65</b>	<b>\$1.41</b>	<b>\$117.16</b>	<b>\$608.54</b>	
<b>NET OPERATING PROFIT</b>								<b>\$226.46</b>	
INTEREST ON OPERATING CAPITAL		(	\$65.26	@	7.00%	)			\$4.57
INTEREST ON EQUIPMENT INVESTMENT								\$23.03	
<b>RETURN TO LAND AND RISK</b>								<b>\$198.86</b>	
<b>BUDGET SUMMARY</b>									
GROSS RETURN		\$835.00							
VARIABLE OPERATING EXPENSES	\$378.63								
RETURN OVER VARIABLE EXPENSES	\$456.37	(GROSS MARGIN)							
FIXED EXPENSES	\$117.16								
NET FARM INCOME	\$339.22	(RETURN TO CAPITAL, LABOR, LAND & RISK)							
LABOR AND MANAGEMENT COST	\$112.75								
NET OPERATING PROFIT	\$226.46	(RETURN TO CAPITAL, LAND & RISK)							
CAPITAL COSTS	\$27.60								
RETURN TO LAND AND RISK	\$198.86								

TABLE 7. Small grain hay, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, Valencia and Southern Bernalillo Counties, Projected 2011.  
 Planting dates: March 1 - May 1  
 Harvesting dates: June 15 - July 15

ITEM	PRICE	YIELD						TOTAL	
<b>GROSS RETURNS</b>									
SMALL GRAIN HAY	\$155.00	2.50 TONS (STACKED)						\$387.50	
<b>TOTAL</b>							<b>\$387.50</b>		
<b>PURCHASED INPUTS</b>									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$0.34	80 LBS	\$27.20						\$27.20
WIRE	\$0.36	26 LBS	\$9.31						\$9.31
CANAL WATER		24 AC. IN.	\$28.00						\$28.00
<b>SUBTOTAL</b>			<b>\$64.51</b>						<b>\$64.51</b>
<b>PREHARVEST OPERATIONS</b>									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
PLOW	96 HP	0.67 HR		\$4.86	\$12.44	\$4.17	\$36.89	\$58.37	
DISC (2X)	96 HP	0.34 HR		\$2.47	\$6.31	\$1.65	\$19.83	\$30.27	
PLANE	96 HP	0.24 HR		\$1.74	\$4.46	\$0.52	\$25.86	\$32.58	
BORDER DISC	50 HP	0.05 HR		\$0.36	\$0.57	\$0.10	\$5.56	\$6.59	
DRILL	50 HP	0.25 HR		\$1.81	\$2.85	\$0.49	\$15.03	\$20.18	
IRRIGATE (4X)		2.00 HR		\$14.50				\$14.50	
<b>SUBTOTAL</b>		<b>3.55 HR</b>		<b>\$25.74</b>	<b>\$26.64</b>	<b>\$6.93</b>	<b>\$103.18</b>	<b>\$162.49</b>	
<b>HARVEST OPERATIONS</b>									
SWATHER	14 FT.	0.16 HR		\$1.16	\$1.77	\$0.09	\$5.14	\$8.16	
BALER, PTO	50 HP	0.21 HR		\$1.52	\$2.40	\$0.26	\$4.01	\$8.19	
BALEWAGON				\$27.30				\$27.30	
<b>SUBTOTAL</b>		<b>0.37 HR</b>		<b>\$2.68</b>	<b>\$4.16</b>	<b>\$0.35</b>	<b>\$9.15</b>	<b>\$43.64</b>	
<b>OVERHEAD EXPENSES</b>									
DOWNTIME		0.48 HR		\$3.48				\$3.48	
EMPLOYEE BENEFITS				\$5.12				\$5.12	
INSURANCE			\$0.57					\$0.57	
LAND TAXES						\$2.71		\$2.71	
SUPERVISION AND MANAGEMENT				\$30.09				\$30.09	
OTHER EXPENSES			\$106.39					\$106.39	
<b>SUBTOTAL</b>		<b>0.48 HR</b>	<b>\$106.95</b>	<b>\$38.68</b>			<b>\$2.71</b>	<b>\$148.34</b>	
<b>TOTAL OPERATING EXPENSES</b>		<b>4.40 HR</b>	<b>\$171.46</b>	<b>\$67.10</b>	<b>\$30.80</b>	<b>\$7.28</b>	<b>\$115.04</b>	<b>\$418.99</b>	
<b>NET OPERATING PROFIT</b>								<b>(\$31.49)</b>	
INTEREST ON OPERATING CAPITAL		(	\$41.02	@	7.00%	)		\$2.87	
INTEREST ON EQUIPMENT INVESTMENT								\$24.53	
<b>RETURN TO LAND AND RISK</b>								<b>(\$58.89)</b>	

<b>BUDGET SUMMARY</b>			
GROSS RETURN		\$387.50	
VARIABLE OPERATING EXPENSES	\$209.55		
RETURN OVER VARIABLE EXPENSES		\$177.95	(GROSS MARGIN)
FIXED EXPENSES	\$115.04		
NET FARM INCOME		\$62.91	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$67.10		
NET OPERATING PROFIT		(\$4.19)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$27.40		
RETURN TO LAND AND RISK		(\$31.59)	

TABLE 8. Sorghum hay, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, Valencia and Southern Bernalillo Counties, Projected 2011.  
 Planting dates: July 1 - July 31  
 Harvesting dates: August 10 - September 30

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
SORGHUM HAY	\$140.00	2.00 TONS (STACKED)	\$280.00
GRAZING	\$5.00	1.00 ACRE	\$5.00
TOTAL			\$285.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.78	35 LBS	\$62.30		\$62.30
WIRE	\$0.36	17 LBS	\$6.09		\$6.09
CANAL WATER		24 AC. IN.	\$28.00		\$28.00
SUBTOTAL			\$96.39		\$96.39

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	96 HP	0.17 HR		\$1.23	\$3.16	\$0.83	\$9.92	\$15.13
DRILL	50 HP	0.25 HR		\$1.81	\$2.85	\$0.49	\$15.03	\$20.18
IRRIGATE (4X)		2.00 HR		\$14.50				\$14.50
SUBTOTAL		2.42 HR		\$17.55	\$6.01	\$1.31	\$24.95	\$49.82

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWATHER (2X)	14 FT.	0.32 HR		\$2.32	\$3.53	\$0.19	\$10.27	\$16.31
BALER, PTO (2X)	50 HP	0.42 HR		\$3.05	\$4.79	\$0.52	\$8.03	\$16.38
BALEWAGON			\$23.40					\$23.40
SUBTOTAL		0.74 HR		\$5.37	\$8.33	\$0.70	\$18.30	\$56.09

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.29 HR		\$2.10				\$2.10
EMPLOYEE BENEFITS			\$4.12				\$4.12
INSURANCE		\$0.46					\$0.46
LAND TAXES						\$2.71	\$2.71
SUPERVISION AND MANAGEMENT			\$22.53				\$22.53
OTHER EXPENSES		\$106.39					\$106.39
SUBTOTAL	0.29 HR	\$106.84	\$28.76			\$2.71	\$138.31

TOTAL OPERATING EXPENSES 3.45 HR \$203.23 \$51.67 \$14.33 \$2.02 \$45.96 \$340.60

NET OPERATING PROFIT (\$55.60)

INTEREST ON OPERATING CAPITAL ( \$50.78 @ 7.00% ) \$3.55  
 INTEREST ON EQUIPMENT INVESTMENT \$24.53

RETURN TO LAND AND RISK (\$83.69)

BUDGET SUMMARY

GROSS RETURN		\$285.00	
VARIABLE OPERATING EXPENSES	\$219.58		
RETURN OVER VARIABLE EXPENSES		\$65.42	(GROSS MARGIN)
FIXED EXPENSES	\$45.96		
NET FARM INCOME		\$19.46	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$51.67		
NET OPERATING PROFIT		(\$32.20)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$28.08		
RETURN TO LAND AND RISK		(\$60.29)	

TABLE 9. Corn silage, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, Valencia and Southern Bernalillo Counties, Projected 2011.  
 Planting dates: May 1 - June 15  
 Harvesting dates: August 15 - September 30

ITEM	PRICE	YIELD							TOTAL
GROSS RETURNS									
CORN SILAGE	\$28.00	20.00	TONS (STANDING)						\$560.00
TOTAL									\$560.00
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$2.71	30 000		\$81.19					\$81.19
ANHYDROUS AMMONIA (NH3)	\$0.31	125 LBS		\$39.06					\$39.06
HERBICIDE (GRANULAR)	\$6.85	1 ACRE		\$6.85					\$6.85
INSECTICIDE (GRANULAR)	\$34.24	1 ACRE		\$34.24					\$34.24
CANAL WATER		42 AC. IN.		\$28.00					\$28.00
SUBTOTAL				\$189.34					\$189.34
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
PLOW	96 HP	0.67 HR		\$4.86	\$12.44	\$4.17	\$36.89	\$58.37	
DISC (2X)	96 HP	0.34 HR		\$2.47	\$6.31	\$1.65	\$19.83	\$30.27	
LAND PLANE	96 HP	0.24 HR		\$1.74	\$4.46	\$0.52	\$25.86	\$32.58	
LISTER/PLANTER	96 HP	0.26 HR		\$1.89	\$4.83	\$1.16	\$114.05	\$121.93	
CULTIVATOR (2X)	50 HP	0.42 HR		\$3.05	\$4.79	\$1.23	\$26.98	\$36.05	
IRRIGATE (8X)		4.00 HR		\$29.00				\$29.00	
SUBTOTAL		5.93 HR		\$42.99	\$32.84	\$8.74	\$223.62	\$308.20	
OVERHEAD EXPENSES									
DOWNTIME		0.48 HR		\$3.50				\$3.50	
EMPLOYEE BENEFITS				\$7.74				\$7.74	
INSURANCE			\$0.86					\$0.86	
LAND TAXES							\$5.42	\$5.42	
SUPERVISION AND MANAGEMENT				\$44.17				\$44.17	
OTHER EXPENSES			\$212.77					\$212.77	
SUBTOTAL		0.48 HR	\$213.63	\$55.40			\$5.42	\$274.45	
TOTAL OPERATING EXPENSES		6.41 HR	\$402.97	\$98.39	\$32.84	\$8.74	\$229.04	\$771.99	
NET OPERATING PROFIT								(\$211.99)	
INTEREST ON OPERATING CAPITAL		( \$105.06 @	7.00%	)				\$7.35	
INTEREST ON EQUIPMENT INVESTMENT								\$113.25	
RETURN TO LAND AND RISK								(\$332.59)	
BUDGET SUMMARY									
GROSS RETURN		\$560.00							
VARIABLE OPERATING EXPENSES	\$444.55								
RETURN OVER VARIABLE EXPENSES	\$115.45	(GROSS MARGIN)							
FIXED EXPENSES	\$229.04								
NET FARM INCOME		(\$113.59)	(RETURN TO CAPITAL, LABOR, LAND & RISK)						
LABOR AND MANAGEMENT COST	\$98.39								
NET OPERATING PROFIT		(\$211.99)	(RETURN TO CAPITAL, LAND & RISK)						
CAPITAL COSTS	\$120.61								
RETURN TO LAND AND RISK		(\$332.59)							



TABLE 10. Summary of per acre costs and returns for a 100 acre farm with above average average management, Projected 2011.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	SMALL GRAIN HAY	SORGHUM HAY	CORN FOR SILAGE
		TONS	TONS	TONS	TONS
PRIMARY YIELD		5.00	2.50	2.00	20.00
PRIMARY PRICE		\$165.00	\$155.00	\$140.00	\$28.00
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME		\$10.00	\$0.00	\$5.00	\$0.00
GROSS RETURN		\$835.00	\$387.50	\$285.00	\$560.00
CASH OPERATING EXPENSES					
SEED	\$66.00		\$27.20	\$62.30	\$81.19
FERTILIZER	\$83.35	\$58.50			\$39.06
CHEMICALS		\$21.71			\$41.09
CROP INSURANCE					
OTHER PURCHASED INPUTS		\$15.39	\$9.31	\$6.09	
CANAL WATER		\$28.00	\$28.00	\$28.00	\$28.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$22.18	\$16.65	\$30.80	\$14.33	\$32.84
FUEL-IRRIGATION					
REPAIRS	\$6.41	\$1.41	\$7.28	\$2.02	\$8.74
CUSTOM CHARGES	\$70.71	\$23.40			
LAND TAXES		\$5.42	\$2.71	\$2.71	\$5.42
OTHER EXPENSES	\$0.33	\$213.57	\$106.95	\$106.84	\$213.63
TOTAL CASH EXPENSES	\$248.99	\$384.04	\$212.26	\$222.29	\$449.97
RETURN OVER CASH EXPENSES	(\$248.99)	\$450.96	\$175.24	\$62.71	\$110.03
FIXED EXPENSES	\$77.32	\$111.74	\$112.33	\$43.25	\$223.62
TOTAL EXPENSES	\$326.31	\$495.78	\$324.59	\$265.54	\$673.59
NET FARM INCOME	(\$326.31)	\$339.22	\$62.91	\$19.46	(\$113.59)
LABOR AND MANAGEMENT COSTS	\$47.78	\$112.75	\$67.10	\$51.67	\$98.39
NET OPERATING PROFIT	(\$374.09)	\$226.46	(\$4.19)	(\$32.20)	(\$211.99)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL		\$4.57	\$2.87	\$3.55	\$7.35
INTEREST ON EQUIPMENT INVESTMENT		\$23.03	\$24.53	\$24.53	\$113.25
TOTAL CAPITAL COSTS	\$0.00	\$27.60	\$27.40	\$28.08	\$120.61
RETURN TO LAND AND RISK	(\$374.09)	\$198.86	(\$31.59)	(\$60.29)	(\$332.59)

TABLE 11. Whole farm summary, Valencia and Southern Bernalillo Counties,  
Projected 2011.

GROSS RETURNS		
ALFALFA HAY	71.00 ACRES	
CROP		\$58,575
GRAZING		\$710
SMALL GRAIN HAY	10.00 ACRES	
CROP		\$3,875
SORGHUM HAY	10.00 ACRES	
CROP		\$2,800
GRAZING		\$50
CORN FOR SILAGE	10.00 ACRES	
CROP		\$5,600
GROSS RETURN		<u>\$71,610</u>
CASH OPERATING EXPENSES		
SEED		\$2,499
FERTILIZER		\$5,544
CHEMICALS		\$1,952
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$1,247
CANAL WATER		\$2,828
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$2,228
FUEL-IRRIGATION		\$0
REPAIRS		\$357
CUSTOM CHARGES		\$2,510
LAND TAXES		\$493
OTHER EXPENSES		\$19,442
TOTAL CASH EXPENSES		<u>\$39,100</u>
RETURN OVER CASH EXPENSES		\$32,510
FIXED EXPENSES		\$8,227
TOTAL EXPENSES		<u>\$47,327</u>
NET FARM INCOME		\$24,283
LABOR AND MANAGEMENT COSTS		\$10,751
NET OPERATING PROFIT		\$13,533
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$462
INTEREST ON EQUIPMENT INVESTMENT		\$3,258
TOTAL CAPITAL COSTS		<u>\$3,721</u>
RETURN TO LAND AND RISK		<u>\$9,812</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$5,000 /ACRE	(\$5,188)	2.48%
\$6,500 /ACRE	(\$9,688)	1.94%
\$8,000 /ACRE	(\$14,188)	1.60%
\$9,500 /ACRE	(\$18,688)	1.36%
\$11,000 /ACRE	(\$23,188)	1.18%
\$12,500 /ACRE	(\$27,688)	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)