

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... VALENCIA AND SOUTHERN BERNALILLO COUNTIES, Projected 2010.
FARM SIZE..... 30.00 ACRES
IRRIGATION TYPE..... FLOOD
NUMBER OF CROPS.. 5

VERSION 1.0

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TABLE 1. Acreage Summary, Valencia and Southern Bernalillo Counties, Projected 2010.

BUDGET AREA..... VALENCIA AND SOUTHERN BERNALILLO COUNTIES			
FARM SIZE..... 30 ACRES			
IRRIGATION TYPE..... FLOOD			
NUMBER OF CROPS... 5			
WATER USE			
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	3.50 *	12	42
ALFALFA	20.00	44	880
OAT HAY	5.00	24	120
SORGHUM HAY	5.00 *	24	120
GREEN CHILE	1.00	48	48
JALAPENOS	1.00	48	48
DITCHES, HOMESTEAD	3.00		
TOTAL	30.00		1,258
ACRE FEET PER ACRE OF WATER RIGHTS			3.49

* DOUBLE-CROPPED

TABLE 2. Basic cost information for Valencia and Southern Bernalillo Counties, Projected 2010.

Item			
Labor Wage Rate:		\$/hour	\$7.25
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)		\$/pound	\$0.58
Phosphate (P205)		\$/pound	\$0.51
Seed:			
Alfalfa		\$/pound	\$3.75
Oats		\$/pound	\$0.32
Green Chile		\$/pound	\$35.00
Jalapenos		\$/pound	\$60.00
Sorghum		\$/pound	\$2.10
Baling wire		\$/pound	\$0.61
Chile Sacks		\$/sack	\$0.18
Canal water		\$/acre	\$28.00
Energy:			
Butane		\$/gallon	\$2.40
Diesel fuel		\$/gallon	\$2.80
Gasoline		\$/gallon	\$2.50
Electricity		cents/KwHr	11.52
Natural Gas		\$/MCF	\$5.90
Employee Liability Insurance		\$/ \$1,000 wages	\$12.00
Employee Benefits		percent/wages	12.00%
Labor Downtime		percent	25.00%
Financial Rates:			
Operating Capital Interest Rate		percent	7.50%
Land Interest Rate		percent	7.00%
Equipment Interest Rate		percent	7.50%
Real Interest Rate		percent	3.00%
Land Taxes		\$483.00 /acre (full value)	\$5.42
Personal Property Tax Rate	- NR	\$/ \$1,000 (Assessed Value)	\$33.68
	- R		\$27.87
Supervision Factors			
Field Crop-Irrigation		\$/labor hour	\$1.00
Field Crop-Equip & 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	4.00%
Vegetable Crops		percent/TOE	10.00%

TABLE 3. Overhead cost information for Valencia and Southern Bernalillo Counties, Projected 2010.

Item			
Electricity (Domestic & Shop)		\$53.10 per month	\$637
Telephone		\$41.30 per month	\$496
Accounting & Legal			\$177
Misc. Supplies & Hand Tools			\$413
Pickup and Auto			
miles	4,862	@ \$0.415 per mile	\$2,018
Insurance			
- general liability (non-employee)			\$183
- fire/theft			\$153
Property Taxes			
- non-planted land			\$78
- other than land & machinery			\$135
Building repairs and maintenance			\$212
Dues, fees, publications			\$118
Farmstead Equipment			\$177
Total			\$4,797
Total per planted acre			\$177.67

TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2010.
Planting dates: August 15 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
PURCHASED INPUTS									
ALFALFA SEED	\$3.75	20.00 LBS		\$75.00					\$75.00
CANAL WATER		12.00 AC. IN.							\$0.00
SUBTOTAL				\$75.00					\$75.00
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60	
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.45	\$47.97	
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60	
LASER PLANE (CUSTOM)			\$70.71					\$70.71	
BORDER DISC	65 HP	0.05 HR		\$0.36	\$0.61	\$0.08	\$5.75	\$6.80	
DRILL (CUSTOM)			\$32.50					\$32.50	
IRRIGATE (2X)		1.50 HR		\$10.88				\$10.88	
SUBTOTAL		3.48 HR	\$103.21	\$25.23	\$24.07	\$3.52	\$42.03	\$198.06	
OVERHEAD EXPENSES									
DOWNTIME		0.50 HR		\$3.59				\$3.59	
EMPLOYEE BENEFITS				\$3.03				\$3.03	
INSURANCE			\$0.30					\$0.30	
SUPERVISION AND MANAGEMENT				\$13.41				\$13.41	
SUBTOTAL		0.50 HR	\$0.30	\$20.03				\$20.33	
TOTAL OPERATING EXPENSES			3.98 HR	\$178.51	\$46.26	\$24.07	\$3.52	\$42.03	\$293.39

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2010.
Harvesting dates: June 1 - October 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
ALFALFA HAY	\$130.00	4.00 TONS (IN FIELD)	\$520.00
GRAZING	\$10.00	1.00 ACRE	\$10.00
TOTAL			\$530.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
PHOSPHATE (P2O5)	\$0.51	90 LBS	\$45.90		\$45.90
WIRE	\$0.61	30 LBS	\$18.30		\$18.30
ESTABLISHMENT: Principal		6 YEARS		\$48.90	\$48.90
: Interest				\$11.66	\$11.66
CANAL WATER		44 AC. IN.	\$28.00		\$28.00
SUBTOTAL			\$92.20	\$60.56	\$152.76

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (8X)		6.00 HR		\$43.50				\$43.50

HARVEST OPERATIONS								
SWATHER (CUSTOM)			\$23.33					\$23.33
BALER, PTO (4X)	65 HP	1.08 HR		\$7.83	\$13.13	\$1.56	\$33.05	\$55.57
SUBTOTAL		1.08 HR	\$23.33	\$7.83	\$13.13	\$1.56	\$33.05	\$78.90

OVERHEAD EXPENSES								
DOWNTIME		0.27 HR		\$1.96				\$1.96
EMPLOYEE BENEFITS				\$0.94				\$0.94
INSURANCE			\$0.09					\$0.09
LAND TAXES							\$5.42	\$5.42
SUPERVISION AND MANAGEMENT				\$27.74				\$27.74
OTHER EXPENSES			\$177.67					\$177.67
SUBTOTAL		0.27 HR	\$177.76	\$30.64			\$5.42	\$213.82

TOTAL OPERATING EXPENSES		1.35 HR	\$293.29	\$81.97	\$13.13	\$1.56	\$99.03	\$488.98
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NET OPERATING PROFIT								\$41.02
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INTEREST ON OPERATING CAPITAL		(\$49.27 @ 7.50%)						\$3.70
INTEREST ON EQUIPMENT								\$30.01

RETURN TO LAND AND RISK								\$7.32
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BUDGET SUMMARY

GROSS RETURN		\$530.00	
VARIABLE OPERATING EXPENSES	\$307.98		
RETURN OVER VARIABLE EXPENSES	\$222.02	(GROSS MARGIN)	
FIXED EXPENSES	\$99.03		
NET FARM INCOME	\$122.99	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$81.97		
NET OPERATING PROFIT	\$41.02	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$33.70		
RETURN TO LAND AND RISK		\$7.32	

TABLE 7. Small grain hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2010.
 Planting dates: March 1 - May 1
 Harvesting dates: June 15 - July 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
SMALL GRAIN HAY	\$120.00	2.50 VS (IN FIELD)						\$300.00
TOTAL								\$300.00
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS		FIXED COST			TOTAL
SEED	\$0.32	100 LBS	\$32.00					\$32.00
WIRE	\$0.61	25 LBS	\$15.25					\$15.25
CANAL WATER		24 AC. IN.	\$28.00					\$28.00
SUBTOTAL			\$75.25					\$75.25
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.45	\$47.97
DISC (2X)	65 HP	0.62 HR		\$4.50	\$7.54	\$1.34	\$15.83	\$29.20
BORDER DISC	65 HP	0.05 HR		\$0.36	\$0.61	\$0.08	\$5.75	\$6.80
DRILL (CUSTOM)			\$7.53					\$7.53
IRRIGATE (4X)		3.00 HR		\$21.75				\$21.75
SUBTOTAL		4.98 HR	\$7.53	\$36.11	\$24.07	\$3.52	\$42.03	\$113.26
HARVEST OPERATIONS								
SWATHER (CUSTOM)			\$23.33					\$23.33
BALER, PTO	65 HP	0.27 HR		\$1.96	\$3.28	\$0.39	\$8.26	\$13.89
SUBTOTAL		0.27 HR	\$23.33	\$1.96	\$3.28	\$0.39	\$8.26	\$37.22
OVERHEAD EXPENSES								
DOWNTIME		0.56 HR		\$4.08				\$4.08
EMPLOYEE BENEFITS				\$4.57				\$4.57
INSURANCE			\$0.46					\$0.46
LAND TAXES							\$2.71	\$2.71
SUPERVISION AND MANAGEMENT				\$16.13				\$16.13
OTHER EXPENSES			\$88.83					\$88.83
SUBTOTAL		0.56 HR	\$89.29	\$24.77			\$2.71	\$116.77
TOTAL OPERATING EXPENSES		5.81 HR	\$195.40	\$62.83	\$27.35	\$3.92	\$53.00	\$342.50
NET OPERATING PROFIT								(\$42.50)
INTEREST ON OPERATING CAPITAL		(\$46.77	@	7.50%)		\$3.51
INTEREST ON EQUIPMENT								\$47.46
RETURN TO LAND AND RISK								(\$93.46)
BUDGET SUMMARY								
GROSS RETURN			\$300.00					
VARIABLE OPERATING EXPENSES	\$226.67							
RETURN OVER VARIABLE EXPENSES	\$73.33	(GROSS MARGIN)						
FIXED EXPENSES	\$53.00							
NET FARM INCOME	\$20.33	(RETURN TO CAPITAL, LABOR, LAND & RISK)						
LABOR AND MANAGEMENT COST	\$62.83							
NET OPERATING PROFIT	(\$42.50)	(RETURN TO CAPITAL, LAND & RISK)						
CAPITAL COSTS	\$50.96							
RETURN TO LAND AND RISK	(\$93.46)							

TABLE 8. Sorghum hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2010.
 Planting dates: July 1 - July 31
 Harvesting dates: August 10 - September 30

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
SORGHUM HAY	\$98.00	2.00 TONS (IN FIELD)						\$196.00
GRAZING	\$5.00	1.00 ACRE						\$5.00
TOTAL								\$201.00
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$2.10	35 LBS	\$73.50					\$73.50
WIRE	\$0.61	17 LBS	\$10.37					\$10.37
CANAL WATER		24 AC. IN.	\$28.00					\$28.00
SUBTOTAL			\$111.87					\$111.87
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60
DRILL (CUSTOM)			\$7.53					\$7.53
IRRIGATE (4X)		3.00 HR		\$21.75				\$21.75
SUBTOTAL		3.31 HR	\$7.53	\$24.00	\$3.77	\$0.67	\$7.92	\$43.88
HARVEST OPERATIONS								
SWATHER (CUSTOM) (2X)			\$23.33					\$23.33
BALER, PTO (2X)	65 HP	0.27 HR		\$1.96	\$3.28	\$0.39	\$8.26	\$13.89
SUBTOTAL		0.27 HR	\$23.33	\$1.96	\$3.28	\$0.39	\$8.26	\$37.22
OVERHEAD EXPENSES								
DOWNTIME		0.15 HR		\$1.05				\$1.05
EMPLOYEE BENEFITS				\$3.11				\$3.11
INSURANCE			\$0.31					\$0.31
LAND TAXES							\$2.71	\$2.71
SUPERVISION AND MANAGEMENT				\$11.33				\$11.33
OTHER EXPENSES			\$88.83					\$88.83
SUBTOTAL		0.15 HR	\$89.15	\$15.50			\$2.71	\$107.35
TOTAL OPERATING EXPENSES		3.73 HR	\$231.88	\$41.45	\$7.05	\$1.06	\$18.89	\$300.33
NET OPERATING PROFIT								(\$99.33)
INTEREST ON OPERATING CAPITAL		(\$59.29 @	7.50%)				\$4.45
INTEREST ON EQUIPMENT								\$14.45
RETURN TO LAND AND RISK								(\$118.22)
BUDGET SUMMARY								
GROSS RETURN		\$201.00						
VARIABLE OPERATING EXPENSES	\$239.99							
RETURN OVER VARIABLE EXPENSES		(\$38.99)	(GROSS MARGIN)					
FIXED EXPENSES	\$18.89							
NET FARM INCOME		(\$57.88)	(RETURN TO CAPITAL, LABOR, LAND & RISK)					
LABOR AND MANAGEMENT COST	\$41.45							
NET OPERATING PROFIT		(\$99.33)	(RETURN TO CAPITAL, LAND & RISK)					
CAPITAL COSTS	\$18.90							
RETURN TO LAND AND RISK		(\$118.22)						

TABLE 9. Green chile, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time Valencia and Southern Bernalillo Counties,
 Projected 2010.
 Planting dates: April 10 - May 1
 Harvesting dates: August 1 - October 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GREEN CHILE	\$7.50	275.00	BUSHELS (22 LBS PER BUSHEL)					\$2,062.50
RED CHILE	\$1.50	400.00	LBS					\$600.00
TOTAL								\$2,662.50
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS		FIXED COST			TOTAL
CHILE SEED	\$35.00	7	LBS					\$245.00
NITROGEN (N)	\$0.58	130	LBS					\$75.40
HERBICIDE (GRANULAR)	\$35.06	1	X/ACRE					\$35.06
INSECTICIDE (GRANULAR)	\$19.65	1	X/ACRE					\$19.65
SACKS	\$0.18	375	EACH					\$67.50
CANAL WATER		48	AC. IN.					\$28.00
SUBTOTAL								\$470.61
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.45	\$47.97
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60
LASER PLANE (CUSTOM)			\$70.71					\$70.71
LISTER	65 HP	0.54 HR		\$3.92	\$6.56	\$0.87	\$25.08	\$36.42
PLANT/BED SHAPE		32.00 HR		\$232.00				\$232.00
CULTIVATOR (3X)	65 HP	1.62 HR		\$11.75	\$19.69	\$2.60	\$39.10	\$73.13
THIN & HOE		30.00 HR		\$217.50				\$217.50
IRRIGATE (16X)		12.00 HR		\$87.00				\$87.00
SUBTOTAL		78.09 HR	\$70.71	\$566.15	\$49.71	\$6.91	\$100.46	\$793.94
HARVEST OPERATIONS								
HARVEST		100.00 HR		\$725.00				\$725.00
HAUL & SELL	HALF TON	20.00 HR		\$145.00	\$315.00	\$12.80	\$97.96	\$570.76
SUBTOTAL		120.00 HR		\$870.00	\$315.00	\$12.80	\$97.96	\$1,295.76
OVERHEAD EXPENSES								
DOWNTIME		6.02 HR		\$43.66				\$43.66
EMPLOYEE BENEFITS				\$172.34				\$172.34
INSURANCE			\$17.23					\$17.23
LAND TAXES						\$5.42		\$5.42
SUPERVISION AND MANAGEMENT				\$269.55				\$269.55
OTHER EXPENSES			\$177.67					\$177.67
SUBTOTAL		6.02 HR	\$194.90	\$485.55			\$5.42	\$685.88
TOTAL OPERATING EXPENSES		204.11 HR	\$736.22	\$1,921.71	\$364.71	\$19.71	\$203.84	\$3,246.18
NET OPERATING PROFIT								(\$583.68)
INTEREST ON OPERATING CAPITAL		(\$276.78 @ 7.50%)						\$20.76
INTEREST ON EQUIPMENT								\$1,133.08
RETURN TO LAND AND RISK								(\$1,737.53)

BUDGET SUMMARY			
GROSS RETURN		\$2,662.50	
VARIABLE OPERATING EXPENSES	\$1,120.64		
RETURN OVER VARIABLE EXPENSES		\$1,541.86	(GROSS MARGIN)
FIXED EXPENSES	\$203.84		
NET FARM INCOME		\$1,338.02	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$1,921.71		
NET OPERATING PROFIT		(\$583.68)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$1,153.84		
RETURN TO LAND AND RISK		(\$1,737.53)	

TABLE 10. Jalapenos, flood-irrigated, budgeted per acre costs and returns for a 30 acre, part-time Valencia and Southern Bernalillo Counties, Projected 2010.
 Planting dates: April 10 - May 1
 Harvesting dates: August 1 - October 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
JALAPENOS	\$300.00	11.00 TONS						\$3,300.00
TOTAL							\$3,300.00	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
JALAPENO SEED	\$60.00	3 LBS	\$180.00					\$180.00
NITROGEN (N)	\$0.58	150 LBS	\$87.00					\$87.00
PHOSPHATE (P205)	\$0.51	75 LBS	\$38.25					\$38.25
HERBICIDE (GRANULAR)	\$35.06	1 X/ACRE	\$35.06					\$35.06
INSECTICIDE (GRANULAR)	\$19.65	1 X/ACRE	\$19.65					\$19.65
SACKS	\$1.00	10 EACH	\$10.00					\$10.00
CANAL WATER		48 AC. IN.	\$28.00					\$28.00
SUBTOTAL			\$397.96					\$397.96
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.45	\$47.97
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.92	\$14.60
LASER PLANE (CUSTOM)			\$70.71					\$70.71
LISTER	65 HP	0.54 HR		\$3.92	\$6.56	\$0.87	\$25.08	\$36.42
PLANT/BED SHAPE	65 HP	2.00 HR		\$14.50	\$24.31	\$2.73	\$57.64	\$99.19
CULTIVATOR (3X)	65 HP	1.62 HR		\$11.75	\$19.69	\$2.60	\$39.10	\$73.13
THIN & HOE		25.00 HR		\$181.25				\$181.25
IRRIGATE (16X)		12.00 HR		\$87.00				\$87.00
SUBTOTAL		43.09 HR	\$70.71	\$312.40	\$74.02	\$9.64	\$158.10	\$624.87
HARVEST OPERATIONS								
HARVEST (CUSTOM)				\$1,980.00				\$1,980.00
HAUL & SELL	HALF TON	3.00 HR		\$21.75	\$47.25	\$1.92	\$14.69	\$85.61
SUBTOTAL		3.00 HR		\$2,001.75	\$47.25	\$1.92	\$14.69	\$2,065.61
OVERHEAD EXPENSES								
DOWNTIME		1.77 HR		\$12.85				\$12.85
EMPLOYEE BENEFITS				\$277.70				\$277.70
INSURANCE			\$27.77					\$27.77
LAND TAXES						\$5.42		\$5.42
SUPERVISION AND MANAGEMENT				\$424.26				\$424.26
OTHER EXPENSES			\$177.67					\$177.67
SUBTOTAL		1.77 HR	\$205.44	\$714.80			\$5.42	\$925.67
TOTAL OPERATING EXPENSES		47.86 HR	\$674.11	\$3,028.96	\$121.27	\$11.56	\$178.22	\$4,014.11
NET OPERATING PROFIT								
							(\$714.11)	
INTEREST ON OPERATING CAPITAL		(\$223.99 @ 7.50%)						\$16.80
INTEREST ON EQUIPMENT								\$257.38
RETURN TO LAND AND RISK							-988.29	

BUDGET SUMMARY			
GROSS RETURN		\$3,300.00	
VARIABLE OPERATING EXPENSES	\$806.94		
RETURN OVER VARIABLE EXPENSES	\$2,493.06		(GROSS MARGIN)
FIXED EXPENSES	\$178.22		
NET FARM INCOME	\$2,314.85		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$3,028.96		
NET OPERATING PROFIT		(\$714.11)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$274.18		
RETURN TO LAND AND RISK		(\$988.29)	

TABLE 11. Summary of per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2010.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	SMALL GRAIN HAY	SORGHUM HAY	GREEN CHILE	JALAPENOS
		TONS	TONS	TONS	BU/LB	TONS
PRIMARY YIELD		4.00	2.50	2.00	275.00	11.00
PRIMARY PRICE		\$130.00	\$120.00	\$98.00	\$7.50	\$300.00
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME		\$10.00	\$0.00	\$5.00	\$600.00	\$0.00
GROSS RETURN		\$530.00	\$300.00	\$201.00	\$2,662.50	\$3,300.00
CASH OPERATING EXPENSES						
SEED	\$75.00		\$32.00	\$73.50	\$245.00	\$180.00
FERTILIZER		\$45.90			\$75.40	\$125.25
CHEMICALS					\$54.71	\$54.71
CROP INSURANCE						
OTHER PURCHASED INPUTS		\$18.30	\$15.25	\$10.37	\$67.50	\$10.00
CANAL WATER		\$28.00	\$28.00	\$28.00	\$28.00	\$28.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$24.07	\$13.13	\$27.35	\$7.05	\$364.71	\$121.27
FUEL-IRRIGATION						
REPAIRS	\$3.52	\$1.56	\$3.92	\$1.06	\$19.71	\$11.56
CUSTOM CHARGES	\$103.21	\$23.33	\$30.86	\$30.86	\$70.71	\$70.71
LAND TAXES		\$5.42	\$2.71	\$2.71	\$5.42	\$5.42
OTHER EXPENSES	\$0.30	\$177.76	\$89.29	\$89.15	\$194.90	\$205.44
TOTAL CASH EXPENSES	\$206.10	\$313.41	\$229.38	\$242.70	\$1,126.06	\$812.36
RETURN OVER CASH EXPENSES	(\$206.10)	\$216.59	\$70.62	(\$41.70)	\$1,536.44	\$2,487.64
FIXED EXPENSES	\$42.03	\$93.61	\$50.29	\$16.18	\$198.42	\$172.79
TOTAL EXPENSES	\$248.13	\$407.01	\$279.67	\$258.88	\$1,324.48	\$985.15
NET FARM INCOME	(\$248.13)	\$122.99	\$20.33	(\$57.88)	\$1,338.02	\$2,314.85
LABOR AND MANAGEMENT COSTS	\$45.26	\$81.97	\$62.83	\$41.45	\$1,921.71	\$3,028.96
NET OPERATING PROFIT	(\$293.39)	\$41.02	(\$42.50)	(\$99.33)	(\$583.68)	(\$714.11)
CAPITAL COSTS						
INTEREST ON OPERATING CAPITAL		\$3.70	\$3.51	\$4.45	\$20.76	\$16.80
INTEREST ON EQUIPMENT INVESTMENT		\$30.01	\$47.46	\$14.45	\$1,133.08	\$257.38
TOTAL CAPITAL COSTS	\$0.00	\$33.70	\$50.96	\$18.90	\$1,153.84	\$274.18
RETURN TO LAND AND RISK	(\$293.39)	\$7.32	(\$93.46)	(\$118.22)	(\$1,737.53)	(\$988.29)

TABLE 12. Whole farm summary, Valencia and Southern Bernalillo Counties,
Projected 2010.

GROSS RETURNS		
ALFALFA HAY	20.00 ACRES	
CROP		\$10,400
GRAZING		\$200
SMALL GRAIN HAY	5.00 ACRES	
CROP		\$1,500
SORGHUM HAY	5.00 ACRES	
CROP		\$980
GRAZING		\$25
GREEN CHILE	1.00 ACRES	
GREEN		\$2,063
RED		\$600
JALPENOS	1.00 ACRES	
CROP		\$3,300
GROSS RETURN		<u>\$19,068</u>
CASH OPERATING EXPENSES		
SEED		\$1,215
FERTILIZER		\$1,119
CHEMICALS		\$109
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$572
CANAL WATER		\$896
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$1,005
FUEL-IRRIGATION		\$0
REPAIRS		\$100
CUSTOM CHARGES		\$1,278
LAND TAXES		\$146
OTHER EXPENSES		\$4,849
TOTAL CASH EXPENSES		<u>\$11,288</u>
RETURN OVER CASH EXPENSES		\$7,779
FIXED EXPENSES		\$1,745
TOTAL EXPENSES		\$13,033
NET FARM INCOME		\$6,034
LABOR AND MANAGEMENT COSTS		\$7,270
NET OPERATING PROFIT		(\$1,235)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$151
INTEREST ON EQUIPMENT INVESTMENT		\$2,300
TOTAL CAPITAL COSTS		<u>\$2,451</u>
RETURN TO LAND AND RISK		<u>(\$3,687)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$5,000 /ACRE	(\$8,187)	-0.71%
\$6,500 /ACRE	(\$9,537)	-0.56%
\$8,000 /ACRE	(\$10,887)	-0.47%
\$9,500 /ACRE	(\$12,237)	-0.40%
\$11,000 /ACRE	(\$13,587)	-0.35%
\$12,500 /ACRE	(\$14,937)	-0.31%

* 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)