

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... VALENCIA AND SOUTHERN BERNALILLO COUNTY Projected 2009.
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 2009.

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 2009.

Item		
Labor Wage Rate:	\$/hour	\$7.25
Purchased Inputs:		
Fertilizer:		
Nitrogen (N)	\$/pound	\$0.62
Phosphate (P205)	\$/pound	\$0.58
Seed:		
Alfalfa	\$/pound	\$4.00
Oats	\$/pound	\$0.42
Green Chile	\$/pound	\$22.00
Jalapenos	\$/pound	\$40.00
Sorghum	\$/pound	\$1.69
Baling wire	\$/pound	\$0.55
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	11.63
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	7.25%
Equipment Interest Rate	percent	7.50%
Real Interest Rate	percent	3.00%
Land Taxes	\$483.00 /acre (full value)	\$5.16
Personal Property Tax Rate	- NR - R	\$/(\$1,000 (Assessed Value)) \$29.68
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 2009.

Item		
Electricity (Domestic & Shop)		\$52.20 per month \$626
Telephone		\$40.60 per month \$487
Accounting & Legal		\$174
Misc. Supplies & Hand Tools		\$406
Pickup and Auto		
miles	4,779 @	\$0.415 per mile \$1,983
Insurance		
- general liability (non-employee)		\$180
- fire/theft		\$151
Property Taxes		
- non-planted land		\$78
- other than land & machinery		\$135
Building repairs and maintenance		\$209
Dues, fees, publications		\$116
Farmstead Equipment		\$174
Total		\$4,719
Total per planted acre		\$174.79

TABLE 4. Equipment summary for a 30 acre, part-time farm, Valencia and Southern Bernalillo Counties,
Projected 2009.

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	51	1	\$5,662	\$618	\$66	\$12.16	\$1.29	\$539	\$115	\$12.87
PICKUP	1/2 TON	23	1	\$16,000	\$362	\$15	\$15.75	\$0.64	\$3,200	\$171	\$146.57
BALER, PTO	2 WIRE	24	1	\$1,600	\$0	\$4	\$0.00	\$0.15	\$385	\$41	\$17.54
CULTIVATOR	2 ROW	3	1	\$250	\$0	\$1	\$0.00	\$0.31	\$33	\$3	\$11.11
DISC	8 FT	8	1	\$700	\$0	\$7	\$0.00	\$0.87	\$93	\$7	\$12.51
LISTER	2 ROW	1	1	\$250	\$0	\$0	\$0.00	\$0.31	\$33	\$3	\$33.34
PLOW (FLIP)	2 WAY	14	1	\$250	\$0	\$4	\$0.00	\$0.31	\$33	\$3	\$2.62
BORDER DISC	6 DISC	0	1	\$300	\$0	\$0	\$0.00	\$0.37	\$40	\$3	\$101.66
BED PLANTER		2	1	\$150	\$0	\$0	\$0.00	\$0.07	\$30	\$2	\$15.80
				\$25,162	\$980	\$97			\$4,387	\$348	

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 2009.
Planting dates: August 15 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL	
PURCHASED INPUTS									
ALFALFA SEED	\$4.00	20.00 LBS		\$80.00				\$80.00	
CANAL WATER		12.00 AC. IN.						\$0.00	
SUBTOTAL				\$80.00				\$80.00	
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	\$7.87	\$14.55	
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.28	\$47.81	
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.87	\$14.55	
LASER PLANE (CUSTOM)			\$70.71					\$70.71	
BORDER DISC	65 HP	0.05 HR		\$0.36	\$0.61	\$0.08	\$5.73	\$6.78	
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	\$41.74	\$197.77	
OVERHEAD EXPENSES									
DOWNTIME		0.50 HR		\$3.59				\$3.59	
EMPLOYEE BENEFITS				\$3.03				\$3.03	
INSURANCE			\$0.30					\$0.30	
SUPERVISION AND MANAGEMENT				\$13.60				\$13.60	
SUBTOTAL		0.50 HR	\$0.30	\$20.22				\$20.52	
TOTAL OPERATING EXPENSES			3.98 HR	\$183.51	\$45.45	\$24.07	\$3.52	\$41.74	\$298.29

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 2009.
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)	\$0.58	90 LBS	\$52.20					\$52.20
WIRE	\$0.55	30 LBS	\$16.50					\$16.50
ESTABLISHMENT: Principal		6 YEARS					\$49.72	\$49.72
: Interest							\$11.90	\$11.90
CANAL WATER		44 AC. IN.	\$28.00					\$28.00
SUBTOTAL			\$96.70				\$61.61	\$158.31
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	\$32.84	\$55.36
SUBTOTAL			\$23.33	\$7.83	\$13.13	\$1.56	\$32.84	\$78.69
OVERHEAD EXPENSES								
DOWNTIME		0.27 HR		\$1.96				\$1.96
EMPLOYEE BENEFITS				\$0.94				\$0.94
INSURANCE			\$0.09					\$0.09
LAND TAXES							\$5.16	\$5.16
SUPERVISION AND MANAGEMENT				\$27.74				\$27.74
OTHER EXPENSES			\$174.79					\$174.79
SUBTOTAL			\$174.89	\$30.64			\$5.16	\$210.69
TOTAL OPERATING EXPENSES		1.35 HR	\$294.92	\$81.97	\$13.13	\$1.56	\$99.61	\$491.19
NET OPERATING PROFIT								\$38.81
INTEREST ON OPERATING CAPITAL		(\$51.52	@	7.50%)		\$3.86
INTEREST ON EQUIPMENT								\$30.01
RETURN TO LAND AND RISK								\$4.94
BUDGET SUMMARY								
GROSS RETURN		\$530.00						
VARIABLE OPERATING EXPENSES	\$309.61							
RETURN OVER VARIABLE EXPENSES		\$220.39	(GROSS MARGIN)					
FIXED EXPENSES	\$99.61							
NET FARM INCOME		\$120.78	(RETURN TO CAPITAL, LABOR, LAND & RISK)					
LABOR AND MANAGEMENT COST	\$81.97							
NET OPERATING PROFIT		\$38.81	(RETURN TO CAPITAL, LAND & RISK)					
CAPITAL COSTS	\$33.87							
RETURN TO LAND AND RISK		\$4.94						

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 2009.
 Planting dates: March 1 - May 1
 Harvesting dates: June 15 - July 15

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
SMALL GRAIN HAY	\$120.00	2.50NS (IN FIELD)						\$300.00	
TOTAL							\$300.00		
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PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$0.42	100 LBS	\$42.00					\$42.00	
WIRE	\$0.55	25 LBS	\$13.75					\$13.75	
CANAL WATER		24 AC. IN.	\$28.00					\$28.00	
SUBTOTAL			\$83.75					\$83.75	
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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	\$20.28	\$47.81	
DISC (2X)	65 HP	0.62 HR		\$4.50	\$7.54	\$1.34	\$15.73	\$29.10	
BORDER DISC	65 HP	0.05 HR		\$0.36	\$0.61	\$0.08	\$5.73	\$6.78	
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	\$41.74	\$112.97	
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HARVEST OPERATIONS									
SWATHER (CUSTOM)			\$23.33					\$23.33	
BALER, PTO	65 HP	0.27 HR		\$1.96	\$3.28	\$0.39	\$8.21	\$13.84	
SUBTOTAL		0.27 HR	\$23.33	\$1.96	\$3.28	\$0.39	\$8.21	\$37.17	
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OVERHEAD EXPENSES									
DOWNTIME		0.56 HR		\$4.08				\$4.08	
EMPLOYEE BENEFITS				\$4.57				\$4.57	
INSURANCE			\$0.46					\$0.46	
LAND TAXES							\$2.58	\$2.58	
SUPERVISION AND MANAGEMENT				\$16.13				\$16.13	
OTHER EXPENSES			\$87.40					\$87.40	
SUBTOTAL		0.56 HR	\$87.85	\$24.77			\$2.58	\$115.20	
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TOTAL OPERATING EXPENSES		5.81 HR	\$202.46	\$62.83	\$27.35	\$3.92	\$52.53	\$349.09	
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NET OPERATING PROFIT								(\$49.09)	
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INTEREST ON OPERATING CAPITAL		(\$51.02 @	7.50%)				\$3.83	
INTEREST ON EQUIPMENT								\$47.46	
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RETURN TO LAND AND RISK								(\$100.38)	
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BUDGET SUMMARY									
GROSS RETURN			\$300.00						
VARIABLE OPERATING EXPENSES	\$233.73								
RETURN OVER VARIABLE EXPENSES	\$66.27	(GROSS MARGIN)							
FIXED EXPENSES	\$52.53								
NET FARM INCOME	\$13.74	(RETURN TO CAPITAL, LABOR, LAND & RISK)							
LABOR AND MANAGEMENT COST	\$62.83								
NET OPERATING PROFIT	(\$49.09)	(RETURN TO CAPITAL, LAND & RISK)							
CAPITAL COSTS	\$51.28								
RETURN TO LAND AND RISK								(\$100.38)	

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 2009.
 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	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.69	35 LBS	\$59.15		\$59.15
WIRE	\$0.55	17 LBS	\$9.35		\$9.35
CANAL WATER		24 AC. IN.	\$28.00		\$28.00
SUBTOTAL			\$96.50		\$96.50

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	\$7.87	\$14.55
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	\$7.87	\$43.83

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWATHER (CUSTOM) (2X)			\$23.33					\$23.33
BALER, PTO (2X)	65 HP	0.27 HR		\$1.96	\$3.28	\$0.39	\$8.21	\$13.84
SUBTOTAL		0.27 HR	\$23.33	\$1.96	\$3.28	\$0.39	\$8.21	\$37.17

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.15 HR		\$1.05				\$1.05
EMPLOYEE BENEFITS			\$3.11				\$3.11
INSURANCE		\$0.31					\$0.31
LAND TAXES						\$2.58	\$2.58
SUPERVISION AND MANAGEMENT			\$11.33				\$11.33
OTHER EXPENSES		\$87.40					\$87.40
SUBTOTAL	0.15 HR	\$87.71	\$15.50			\$2.58	\$105.78

TOTAL OPERATING EXPENSES	3.73 HR	\$215.07	\$41.45	\$7.05	\$1.06	\$18.66	\$283.29
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NET OPERATING PROFIT (\$82.29)

INTEREST ON OPERATING CAPITAL	(\$51.61 @ 7.50%)	\$3.87
INTEREST ON EQUIPMENT		\$14.45

RETURN TO LAND AND RISK (\$100.61)

BUDGET SUMMARY

GROSS RETURN		\$201.00
VARIABLE OPERATING EXPENSES	\$223.18	
RETURN OVER VARIABLE EXPENSES	(\$22.18)	(GROSS MARGIN)
FIXED EXPENSES	\$18.66	
NET FARM INCOME	(\$40.84)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$41.45	
NET OPERATING PROFIT	(\$82.29)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$18.32	
RETURN TO LAND AND RISK		(\$100.61)

TABLE 9. Green chile, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time Valencia and Southern Bernalillo Counties, Projected 2009.
 Planting dates: April 10 - May 1
 Harvesting dates: August 1 - October 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GREEN CHILE	\$7.50	275.00 BUSHEL (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	\$22.00	7 LBS	\$154.00					\$154.00
NITROGEN (N)	\$0.62	130 LBS	\$80.60					\$80.60
HERBICIDE (GRANULAR)	\$35.06	1 X/ACRE	\$35.06					\$35.06
INSECTICIDE (GRANULAR)	\$19.65	1 X/ACRE	\$19.65					\$19.65
SACKS	\$0.18	375 EACH	\$67.50					\$67.50
CANAL WATER		48 AC. IN.	\$28.00					\$28.00
SUBTOTAL			\$384.81					\$384.81
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	\$7.87	\$14.55
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.28	\$47.81
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.87	\$14.55
LASER PLANE (CUSTOM)			\$70.71					\$70.71
LISTER	65 HP	0.54 HR		\$3.92	\$6.56	\$0.87	\$24.95	\$36.30
PLANT/BED SHAPE		32.00 HR		\$232.00				\$232.00
CULTIVATOR (3X)	65 HP	1.62 HR		\$11.75	\$19.69	\$2.60	\$38.85	\$72.88
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	\$99.81	\$793.30
HARVEST OPERATIONS								
HARVEST		100.00 HR		\$725.00				\$725.00
HAUL & SELL	HALF TON	20.00 HR		\$145.00	\$315.00	\$12.80	\$97.71	\$570.51
SUBTOTAL		120.00 HR		\$870.00	\$315.00	\$12.80	\$97.71	\$1,295.51
OVERHEAD EXPENSES								
DOWNTIME		6.02 HR		\$43.66				\$43.66
EMPLOYEE BENEFITS				\$172.34				\$172.34
INSURANCE			\$17.23					\$17.23
LAND TAXES							\$5.16	\$5.16
SUPERVISION AND MANAGEMENT				\$260.57				\$260.57
OTHER EXPENSES			\$174.79					\$174.79
SUBTOTAL		6.02 HR	\$192.03	\$476.57			\$5.16	\$673.76
TOTAL OPERATING EXPENSES		204.11 HR	\$647.54	\$1,912.72	\$364.71	\$19.71	\$202.69	\$3,147.38
NET OPERATING PROFIT							(\$484.88)	
INTEREST ON OPERATING CAPITAL		(\$233.88	@	7.50%)	\$17.54	
INTEREST ON EQUIPMENT							\$1,133.08	
RETURN TO LAND AND RISK							(\$1,635.50)	
BUDGET SUMMARY								
GROSS RETURN			\$2,662.50					
VARIABLE OPERATING EXPENSES	\$1,031.96							
RETURN OVER VARIABLE EXPENSES		\$1,630.54	(GROSS MARGIN)					
FIXED EXPENSES	\$202.69							
NET FARM INCOME		\$1,427.85	(RETURN TO CAPITAL, LABOR, LAND & RISK)					
LABOR AND MANAGEMENT COST	\$1,912.72							
NET OPERATING PROFIT		(\$484.88)	(RETURN TO CAPITAL, LAND & RISK)					
CAPITAL COSTS	\$1,150.63							
RETURN TO LAND AND RISK		(\$1,635.50)						

TABLE 10. Jalapenos, flood-irrigated, budgeted per acre costs and returns for a 30 acre, part-time Valencia and Southern Bernalillo Counties,
 Projected 2009.
 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								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
JALAPENO SEED	\$40.00	3 LBS	\$120.00					\$120.00
NITROGEN (N)	\$0.62	150 LBS	\$93.00					\$93.00
PHOSPHATE (P205)	\$0.58	75 LBS	\$43.50					\$43.50
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			\$349.21					\$349.21
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	\$7.87	\$14.55
PLOW	65 HP	1.31 HR		\$9.50	\$15.92	\$2.10	\$20.28	\$47.81
DISC	65 HP	0.31 HR		\$2.25	\$3.77	\$0.67	\$7.87	\$14.55
LASER PLANE (CUSTOM)			\$70.71					\$70.71
LISTER	65 HP	0.54 HR		\$3.92	\$6.56	\$0.87	\$24.95	\$36.30
PLANT/BED SHAPE	65 HP	2.00 HR		\$14.50	\$24.31	\$2.73	\$57.34	\$98.88
CULTIVATOR (3X)	65 HP	1.62 HR		\$11.75	\$19.69	\$2.60	\$38.85	\$72.88
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	\$157.15	\$623.92
HARVEST OPERATIONS								
HARVEST (CUSTOM)				\$1,980.00				\$1,980.00
HAUL & SELL	HALF TON	3.00 HR		\$21.75	\$47.25	\$1.92	\$14.66	\$85.58
SUBTOTAL		3.00 HR		\$2,001.75	\$47.25	\$1.92	\$14.66	\$2,065.58
OVERHEAD EXPENSES								
DOWNTIME		1.77 HR		\$12.85				\$12.85
EMPLOYEE BENEFITS				\$277.70				\$277.70
INSURANCE			\$27.77					\$27.77
LAND TAXES						\$5.16		\$5.16
SUPERVISION AND MANAGEMENT				\$418.97				\$418.97
OTHER EXPENSES			\$174.79					\$174.79
SUBTOTAL		1.77 HR	\$202.56	\$709.52			\$5.16	\$917.24
TOTAL OPERATING EXPENSES		47.86 HR	\$622.48	\$3,023.67	\$121.27	\$11.56	\$176.97	\$3,955.95
NET OPERATING PROFIT								(\$655.95)
INTEREST ON OPERATING CAPITAL		(\$199.62 @ 7.50%)						\$14.97
INTEREST ON EQUIPMENT								\$257.38
RETURN TO LAND AND RISK								-928.30

BUDGET SUMMARY		
GROSS RETURN	\$3,300.00	
VARIABLE OPERATING EXPENSES	\$755.31	
RETURN OVER VARIABLE EXPENSES	\$2,544.69	(GROSS MARGIN)
FIXED EXPENSES	\$176.97	
NET FARM INCOME	\$2,367.72	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$3,023.67	
NET OPERATING PROFIT	(\$655.95)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$272.35	
RETURN TO LAND AND RISK	(\$928.30)	

TABLE 11. Summary of per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2009.

	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	\$80.00		\$42.00	\$59.15	\$154.00	\$120.00
FERTILIZER		\$52.20			\$80.60	\$136.50
CHEMICALS					\$54.71	\$54.71
CROP INSURANCE						
OTHER PURCHASED INPUTS		\$16.50	\$13.75	\$9.35	\$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		\$5.16	\$2.58	\$2.58	\$5.16	\$5.16
OTHER EXPENSES	\$0.30	\$174.89	\$87.85	\$87.71	\$192.03	\$202.56
TOTAL CASH EXPENSES	\$211.10	\$314.77	\$236.31	\$225.76	\$1,037.13	\$760.47
RETURN OVER CASH EXPENSES	(\$211.10)	\$215.23	\$63.69	(\$24.76)	\$1,625.37	\$2,539.53
FIXED EXPENSES	\$41.74	\$94.45	\$49.95	\$16.08	\$197.53	\$171.81
TOTAL EXPENSES	\$252.85	\$409.22	\$286.26	\$241.84	\$1,234.65	\$932.28
NET FARM INCOME	(\$252.85)	\$120.78	\$13.74	(\$40.84)	\$1,427.85	\$2,367.72
LABOR AND MANAGEMENT COSTS	\$45.45	\$81.97	\$62.83	\$41.45	\$1,912.72	\$3,023.67
NET OPERATING PROFIT	(\$298.29)	\$38.81	(\$49.09)	(\$82.29)	(\$484.88)	(\$655.95)
CAPITAL COSTS						
INTEREST ON OPERATING CAPITAL		\$3.86	\$3.83	\$3.87	\$17.54	\$14.97
INTEREST ON EQUIPMENT INVESTMENT		\$30.01	\$47.46	\$14.45	\$1,133.08	\$257.38
TOTAL CAPITAL COSTS	\$0.00	\$33.87	\$51.28	\$18.32	\$1,150.63	\$272.35
RETURN TO LAND AND RISK	(\$298.29)	\$4.94	(\$100.38)	(\$100.61)	(\$1,635.50)	(\$928.30)

TABLE 12. Whole farm summary, Valencia and Southern Bernalillo Counties,
Projected 2009.

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		\$1,060
FERTILIZER		\$1,261
CHEMICALS		\$109
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$523
CANAL WATER		\$896
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$1,005
FUEL-IRRIGATION		\$0
REPAIRS		\$100
CUSTOM CHARGES		\$1,278
LAND TAXES		\$139
OTHER EXPENSES		\$4,771
TOTAL CASH EXPENSES		<u>\$11,142</u>
RETURN OVER CASH EXPENSES		\$7,925
FIXED EXPENSES		\$1,740
TOTAL EXPENSES		\$12,882
NET FARM INCOME		\$6,185
LABOR AND MANAGEMENT COSTS		\$7,256
NET OPERATING PROFIT		(\$1,071)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$148
INTEREST ON EQUIPMENT INVESTMENT		\$2,300
TOTAL CAPITAL COSTS		<u>\$2,448</u>
RETURN TO LAND AND RISK		<u>(\$3,520)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$5,000 /ACRE	(\$8,020)	-0.61%
\$6,500 /ACRE	(\$9,370)	-0.49%
\$8,000 /ACRE	(\$10,720)	-0.40%
\$9,500 /ACRE	(\$12,070)	-0.35%
\$11,000 /ACRE	(\$13,420)	-0.30%
\$12,500 /ACRE	(\$14,770)	-0.27%

* 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)