

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... DEMING AREA, LUNA COUNTProjected 2009.
FARM SIZE..... 640 ACRES
IRRIGATION TYPE.....FLOOD
NUMBER OF CROPS.....10

VERSION 1.0

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TABLE 1. Acreage Summary, Luna County, Projected 2009.

BUDGET AREA.....DEMING AREA, LUNA COUNTY			
FARM SIZE.....640 ACRES ACRES			
IRRIGATION TYPE.....FLOOD			
NUMBER OF CROPS.....10			
		WATER USE	
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
WHEAT	68.00	20	1,360
ARP	0.00		
FLEX IN COTTON	12.00	26	312
GRAIN SORGHUM	93.50	30	2,805
ARP	0.00		
FLEX IN COTTON	16.50	26	429
COTTON	272.00	26	7,072
ARP	0.00		
FLEX IN COTTON	48.00	26	1,248
GREEN CHILE	40.00	54	2,160
RED CHILE	40.00	48	1,920
FALL ONIONS	10.00	56	560
MIDSEASON YELLOW	10.00	48	480
LATE SEASON ONIONS	10.00	48	480
SPRING LETTUCE	10.00	24	240
FALL LETTUCE	10.00*	40	400
ROADS, DITCHES, HOMESTEAD	10.00		
TOTAL	640.00		19,466
ACRE FEET PER ACRE OF WATER RIGHTS			2.53

*DOUBLE-CROPPED

TABLE 2. Basic cost information for the Deming area, Projected 2009.

Item			
Labor Wage Rate:		\$/hour	\$7.25
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)		\$/pound	\$0.62
Phosphate (P205)		\$/pound	\$0.58
Anhydrous Ammonia (NH3)		\$/ton	\$755.00
Seed:			
Wheat		\$/pound	\$0.26
Chile			
green		\$/pound	\$22.00
red		\$/pound	\$22.00
Grain Sorghum		\$/pound	\$1.69
Cotton		\$/pound	\$1.86
Lettuce			
spring		\$/pound	\$160.00
fall		\$/pound	\$1.15
Energy:			
Natural gas (Gas Co. of NM)		\$/MCF	\$5.90
Diesel fuel		\$/gallon	\$2.80
Gasoline		\$/gallon	\$2.50
Electricity (Columbus)		cents/KwHr	8.41
LP Gas		\$/gallon	\$2.55
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	7.50%
Land Interest Rate		percent	7.25%
Equipment Interest Rate		percent	7.50%
Real Interest Rate		percent	3.00%
Land Taxes		\$223.00 /acre (full value)	\$1.55
Personal Property Tax Rate	- NR - R	\$/1,000 (Assessed Value)	\$20.84 \$24.62
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%

TABLE 3. Overhead cost information for Deming area, Projected 2009.

Item			
Electricity (Domestic & Shop)		\$232.00 per month	\$2,784
Telephone		\$150.80 per month	\$1,810
Accounting & Legal			\$16,217
Misc. Supplies & Hand Tools			\$2,546
Pickup and Auto			
miles	23,896	@ \$0.415 per mile	\$9,917
Insurance			
- general liability (non-employee)			\$1,781
- fire/theft			\$1,409
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,351
Dues, fees, publications			\$394
Farmstead Equipment			\$180
Total			\$44,399
Total Per Planted Acre			\$69.37

TABLE 4. Pumping costs and data for irrigation wells, Deming area, Luna County,
Projected 2009.

INPUT DATA

		DEPTH CHARACTERISTICS:	
		STATIC.....	140
		DRAW DOWN.....	60
		TOTAL HEAD.....	200
		CASING.....	225
GALLONS PER MINUTE (GPM)	600		
WORK HORSEPOWER	30		
EFFICIENCY FACTOR:			
ELECTRICITY	0.501		
NATURAL GAS	0.098		
LP GAS	0.098		
DIESEL	0.102		
FUEL COST PER UNIT:			
ELECTRICITY	8.41	CENTS/KwHr	
NATURAL GAS	\$5.90	\$/MCF	
LP GAS	\$2.55	\$/GAL	
DIESEL	\$2.80	\$/GAL	

FUEL PUMPING COSTS:

ELECTRIC WELL:		
COST PER HOUR		\$3.83
COST PER ACRE INCH		\$2.89
NATURAL GAS WELL:		
COST PER HOUR		\$5.12
COST PER ACRE INCH		\$3.86
LP GAS WELL:		
COST PER HOUR		\$21.88
COST PER ACRE INCH		\$16.50
DIESEL WELL:		
COST PER HOUR		\$14.98
COST PER ACRE INCH		\$11.30

TABLE 6. Wheat, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.
 Planting dates: January 1 - February 10
 Harvest dates: June 15 - July 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
WHEAT	\$10.00	50 CWT	\$500.00
DIRECT PAYMENT	\$0.00	50 CWT	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00		\$0.00
TOTAL			\$500.00

ED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.26	100 LBS	\$26.00		\$26.00
ANHYDROUS AMMONIA (NH3)	\$0.38	250 LBS	\$94.38		\$94.38
NITROGEN (N)	\$0.62	30 LBS	\$18.60		\$18.60
PHOSPHATE (P2O5)	\$0.58	80 LBS	\$46.40		\$46.40
PUMP WATER*		20 ACRE IN.			
CROP INSURANCE	\$0.74		\$0.74		\$0.74
SUBTOTAL			\$186.11		\$186.11

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	185 HP	0.28 HR		\$2.03	\$7.25	\$2.08	\$4.20	\$15.57
LISTER	140 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
DRILL	140 HP	0.18 HR		\$1.31	\$3.52	\$0.97	\$8.91	\$14.70
IRRIGATE (4X)		2 HR		\$14.50	\$57.73	\$1.47	\$17.94	\$91.63
SUBTOTAL		2.63 HR		\$19.07	\$71.81	\$5.58	\$33.73	\$130.19

HARVEST OPERATIONS

COMBINE (CUSTOM)			\$26.00					\$26.00
HAUL (CUSTOM)			\$9.50					\$9.50
SUBTOTAL		0.00 HR	\$35.50	\$0.00	\$0.00	\$0.00	\$0.00	\$35.50

OVERHEAD EXPENSES

DOWNTIME		0.16 HR		\$1.14				\$1.14
EMPLOYEE BENEFITS				\$3.43				\$3.43
INSURANCE			\$0.38					\$0.38
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$37.32				\$37.32
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.16 HR	\$69.75	\$41.89		\$1.55		\$113.19

TOTAL OPERATING EXPENSES 2.79 HR \$291.37 \$60.96 \$71.81 \$5.58 \$35.28 \$465.00

NET OPERATING PROFIT \$35.00

INTEREST ON OPERATING CAPITAL (\$115.36 @ 7.50%) \$8.65
 INTEREST ON EQUIPMENT INVESTMENT \$9.03

RETURN TO LAND AND RISK \$17.32

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

GROSS RETURN		\$500.00	
VARIABLE OPERATING EXPENSES	\$368.76		
RETURN OVER VARIABLE EXPENSES		\$131.24	(GROSS MARGIN)
FIXED EXPENSES	\$35.28		
NET FARM INCOME		\$95.96	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$60.96		
NET OPERATING PROFIT		\$35.00	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$17.69		
RETURN TO LAND AND RISK		\$17.32	

TABLE 7. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.
 Planting dates: May 10 - July 10
 Harvest dates: October 15 - November 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
GRAIN SORGHUM	\$7.70	70.00 CWT	\$539.00
DIRECT PAYMENT	\$0.00	70.00 CWT	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT	\$0.00
TOTAL			\$539.00

ED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.69	8 LBS	\$13.52		\$13.52
ANHYDROUS AMMONIA (NH3)	\$0.38	200 LBS	\$75.50		\$75.50
NITROGEN (N)	\$0.62	30 LBS	\$18.60		\$18.60
PHOSPHATE (P2O5)	\$0.58	70 LBS	\$40.60		\$40.60
HERBICIDE	\$15.54	1 ACRE	\$15.54		\$15.54
INSECTICIDE (AERIAL)	\$18.95	1 ACRE	\$18.95		\$18.95
INSECTICIDE	\$11.16	1 DOLLARS	\$11.16		\$11.16
PUMP WATER*		30 AC. IN.			
CROP INSURANCE	\$0.53		\$0.53		\$0.53
SUBTOTAL			\$194.41		\$194.41

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
DRAG	80 HP	0.2 HR		\$1.45	\$3.04	\$0.42	\$0.53	\$5.44
LISTER & SPRAY	140 HP	0.13 HR		\$0.94	\$2.54	\$1.00	\$2.54	\$7.02
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
PRE-IRRIGATE		0.75 HR		\$5.44	\$14.43	\$0.37	\$4.48	\$24.72
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
PLANTER	140 HP	0.17 HR		\$1.23	\$3.32	\$1.09	\$3.92	\$9.56
CULTIVATOR (2X)	80 HP	0.26 HR		\$1.89	\$3.96	\$1.34	\$0.96	\$8.15
ROTO BUCK (6X)	140 HP	0.18 HR		\$1.31	\$3.52	\$0.79	\$2.62	\$8.24
IRRIGATE (5X)		2.5 HR		\$18.13	\$72.16	\$1.84	\$22.42	\$114.54
SUBTOTAL		5.13 HR		\$37.19	\$125.61	\$13.76	\$50.64	\$227.20

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$15.00					\$15.00
HAUL (CUSTOM)			\$13.30					\$13.30
SUBTOTAL		0.00 HR	\$28.30	\$0.00	\$0.00	\$0.00	\$0.00	\$28.30

POST HARVEST OPERATIONS								
SHREDDER	126 HP	0.14 HR		\$1.02	\$2.74	\$0.67	\$2.42	\$6.83

OVERHEAD EXPENSES								
DOWNTIME		0.51 HR		\$3.66				\$3.66
EMPLOYEE BENEFITS				\$6.88				\$6.88
INSURANCE			\$0.76					\$0.76
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$41.99				\$41.99
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.51 HR	\$70.14	\$52.53		\$1.55		\$124.22

TOTAL OPERATING EXPENSES		5.78 HR	\$292.84	\$90.74	\$128.34	\$14.42	\$54.61	\$580.95
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NET OPERATING PROFIT								(\$41.95)
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INTEREST ON OPERATING CAPITAL		(\$135.25	@	7.50%)		\$10.14
INTEREST ON EQUIPMENT INVESTMENT								\$17.32

RETURN TO LAND AND RISK								(\$69.41)
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* Pump water costs are shown under irrigation in the preharvest operations section.
 BUDGET SUMMARY

GROSS RETURN		\$539.00	
VARIABLE OPERATING EXPENSES	\$435.61		
RETURN OVER VARIABLE EXPENSES	\$103.39	(GROSS MARGIN)	
FIXED EXPENSES	\$54.61		
NET FARM INCOME	\$48.79	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$90.74		
NET OPERATING PROFIT	(\$41.95)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$27.46		
RETURN TO LAND AND RISK	(\$69.41)		

TABLE 8. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.

Planting dates: April 1 - May 15
Harvest dates: October 1 - December 20

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
LINT	\$0.80	750 LBS	\$600.00
SEED	\$0.07	1200 LBS	\$84.00
DIRECT PAYMENT	\$0.00	1080 LBS	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.09	0 LBS	\$0.00
TOTAL			\$684.00

ED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.86	18 LBS	\$33.48		\$33.48
ANHYDROUS AMMONIA (NH3)	\$0.38	150 LBS	\$56.63		\$56.63
NITROGEN (N)	\$0.62	30 LBS	\$18.60		\$18.60
PHOSPHATE (P2O5)	\$0.58	80 LBS	\$46.40		\$46.40
HERBICIDE	\$15.54	1 ACRE	\$15.54		\$15.54
INSECTICIDE	\$11.16	1 ACRE	\$11.16		\$11.16
CROP INSURANCE	\$0.18	FCIC	\$0.18		\$0.18
PUMP WATER*		26 AC. IN.			
SUBTOTAL			\$181.99		\$181.99

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	185 HP	0.28 HR		\$2.03	\$7.25	\$2.08	\$4.20	\$15.57
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
DRAG (2X)	80 HP	0.2 HR		\$1.45	\$3.04	\$0.42	\$0.53	\$5.44
LISTER & SPRAY	140 HP	0.13 HR		\$0.94	\$2.54	\$1.00	\$2.54	\$7.02
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
PRE-IRRIGATE		0.75 HR		\$5.44	\$15.01	\$0.38	\$4.66	\$25.49
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
PLANTER	140 HP	0.17 HR		\$1.23	\$3.32	\$1.09	\$3.92	\$9.56
CULTIVATOR (3X)	80 HP	0.39 HR		\$2.83	\$5.94	\$2.02	\$1.44	\$12.23
HAND HOE (CUSTOM) (2X)			\$50.00					\$50.00
ROTO BUCK (5X)	140 HP	0.15 HR		\$1.09	\$2.93	\$0.66	\$2.19	\$6.86
IRRIGATE (4X)		2 HR		\$14.50	\$60.03	\$1.53	\$18.66	\$94.72
SUBTOTAL		4.87 HR	\$50.00	\$35.31	\$119.08	\$15.04	\$49.20	\$268.63

HARVEST OPERATIONS

COTTON PICKER (2X)	2 ROW	1.24 HR		\$8.99	\$18.75	\$0.04	\$35.99	\$63.76
COTTON TRAILER (2X)	HALF TON	1 HR		\$7.25	\$15.75	\$0.69	\$9.69	\$33.38
GIN COTTON (CUSTOM)			\$139.20					\$139.20
SUBTOTAL		2.24 HR	\$139.20	\$16.24	\$34.50	\$0.73	\$45.68	\$236.34

POST HARVEST OPERATIONS

SHREDDER	126 HP	0.14 HR		\$1.02	\$2.74	\$0.67	\$2.42	\$6.83
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OVERHEAD EXPENSES

DOWNTIME		1.03 HR		\$7.49				\$7.49
EMPLOYEE BENEFITS				\$9.46				\$9.46
INSURANCE			\$1.05					\$1.05
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$52.88				\$52.88
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		1.03 HR	\$70.42	\$69.83		\$1.55		\$141.80

TOTAL OPERATING EXPENSES		8.28 HR	\$441.61	\$122.39	\$156.31	\$16.44	\$98.85	\$835.59
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NET OPERATING PROFIT								(\$151.59)
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INTEREST ON OPERATING CAPITAL	(\$139.91	@	7.50%)			\$10.49
INTEREST ON EQUIPMENT INVESTMENT								\$31.68

RETURN TO LAND AND RISK								(\$193.76)
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* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$684.00	
VARIABLE OPERATING EXPENSES	\$614.36		
RETURN OVER VARIABLE EXPENSES		\$69.64	(GROSS MARGIN)
FIXED EXPENSES	\$98.85		
NET FARM INCOME		(\$29.20)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$122.39		
NET OPERATING PROFIT		(\$151.59)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$42.17		
RETURN TO LAND AND RISK		(\$193.76)	

TABLE 9. Green chile, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.
 Planting dates: March 15 - May 1
 Harvesting dates: August 15 - September 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
GREEN CHILE	\$475.00	11.00 TONS	\$5,225.00
RED CHILE	\$0.00	0.00 LBS	\$0.00
TOTAL			\$5,225.00

ED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$22.00	4 LBS	\$88.00		\$88.00
ANHYDROUS AMMONIA (NH3)	\$0.38	300 LBS	\$113.25		\$113.25
NITROGEN (N)	\$0.62	60 LBS	\$37.20		\$37.20
PHOSPHATE (P2O5)	\$0.58	150 LBS	\$87.00		\$87.00
HERBICIDE	\$15.54	1 ACRE	\$15.54		\$15.54
INSECTICIDE	\$15.54	1 ACRE	\$15.54		\$15.54
CROP INSURANCE	\$72.58	1 DOLLARS	\$72.58		\$72.58
PUMP WATER*		54 AC. IN.			
SUBTOTAL			\$429.10		\$429.10

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
LASER (CUSTOM)			\$73.33					\$73.33
LISTER & SPRAY	140 HP	0.13 HR		\$0.94	\$2.54	\$1.00	\$2.54	\$7.02
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
PRE-IRRIGATE		0.75 HR		\$5.44	\$10.39	\$0.26	\$3.23	\$19.32
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
PLANTER	140 HP	0.17 HR		\$1.23	\$3.32	\$1.09	\$3.92	\$9.56
CULTIVATOR (5X)	80 HP	0.65 HR		\$4.71	\$9.90	\$3.36	\$2.41	\$20.38
THIN & HOE (CUSTOM)			\$90.00					\$90.00
ROTO BUCK (7X)	140 HP	0.21 HR		\$1.52	\$4.10	\$0.92	\$3.06	\$9.61
IRRIGATE (14X)		7 HR		\$50.75	\$145.47	\$3.71	\$45.21	\$245.13
SUBTOTAL		9.85 HR	\$163.33	\$71.41	\$198.35	\$17.25	\$73.52	\$523.88

HARVEST OPERATIONS

HARVEST GREEN (CUSTOM)			\$1,089.00					\$1,089.00
HARVEST RED (CUSTOM)			\$0.00					\$0.00
HAUL	3/4 TON	6 HR		\$43.50	\$94.50	Err:502	\$32.06	Err:502
SUBTOTAL		6.00 HR	\$1,089.00	\$43.50	\$94.50	Err:502	\$32.06	Err:502

POST HARVEST OPERATIONS

SHREDDER	80 HP	0.29 HR		\$2.10	\$4.41	\$1.68	\$2.17	\$10.37
SUBTOTAL		0.29 HR	\$0.00	\$2.10	\$4.41	\$1.68	\$2.17	\$10.37

OVERHEAD EXPENSES

DOWNTIME		0.57 HR		\$4.10				\$4.10
EMPLOYEE BENEFITS				\$13.23				\$13.23
INSURANCE			\$1.47					\$1.47
LAND TAXES							\$1.55	\$1.55
SUPERVISION AND MANAGEMENT				Err:502				Err:502
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.57 HR	\$70.84	Err:502			\$1.55	Err:502

TOTAL OPERATING EXPENSES		16.71 HR	\$1,752.28	Err:502	\$297.27	Err:502	\$109.30	Err:502
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NET OPERATING PROFIT								Err:502
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INTEREST ON OPERATING CAPITAL		(Err:502	@	7.50%)		Err:502
INTEREST ON EQUIPMENT INVESTMENT								\$46.67

RETURN TO LAND AND RISK								Err:502
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* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$5,225.00	
VARIABLE OPERATING EXPENSES	Err:502		
RETURN OVER VARIABLE EXPENSES	Err:502	(GROSS MARGIN)	
FIXED EXPENSES	\$109.30		
NET FARM INCOME	Err:502	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	Err:502		
NET OPERATING PROFIT	Err:502	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	Err:502		
RETURN TO LAND AND RISK	Err:502		

TABLE 10. Red chile, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.
 Planting dates: March 15 - May 1
 Harvesting dates: September 15 - January 31

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
RED CHILE	\$1.00	4,000.00 LBS	\$4,000.00
TOTAL			\$4,000.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$22.00	4 LBS	\$88.00		\$88.00
ANHYDROUS AMMONIA (NH3)	\$0.38	230 LBS	\$86.83		\$86.83
NITROGEN (N)	\$0.62	60 LBS	\$37.20		\$37.20
PHOSPHATE (P2O5)	\$0.58	150 LBS	\$87.00		\$87.00
HERBICIDE	\$15.54	1 ACRE	\$15.54		\$15.54
INSECTICIDE	\$15.54	1 ACRE	\$15.54		\$15.54
CROP INSURANCE	\$76.22	1 DOLLARS	\$76.22		\$76.22
PUMP WATER*		48 AC. IN.			
SUBTOTAL			\$406.33		\$406.33

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
DRAG (2X)	80 HP	0.2 HR		\$1.45	\$3.04	\$0.42	\$0.07	\$4.98
LISTER	140 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
PRE-IRRIGATE		0.75 HR		\$5.44	\$11.55	\$0.29	\$3.59	\$20.86
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
PLANTER	140 HP	0.17 HR		\$1.23	\$3.32	\$1.09	\$3.92	\$9.56
CULTIVATOR (5X)	80 HP	0.65 HR		\$4.71	\$9.90	\$3.36	\$2.41	\$20.38
THIN & HOE (CUSTOM)			\$90.00					\$90.00
ROTO BUCK (7X)	140 HP	0.21 HR		\$1.52	\$4.10	\$0.92	\$3.06	\$9.61
IRRIGATE (11X)		5.5 HR		\$39.88	\$127.00	\$3.24	\$39.47	\$209.57
SUBTOTAL		8.54 HR	\$90.00	\$61.92	\$183.89	\$17.07	\$67.70	\$420.57

HARVEST OPERATIONS

HARVEST (CUSTOM)			\$880.00					\$880.00
HAUL	3/4 TON	3 HR		\$21.75	\$47.25	Err:502	\$16.03	Err:502
SUBTOTAL		3.00 HR	\$880.00	\$21.75	\$47.25	Err:502	\$16.03	Err:502

POST HARVEST OPERATIONS

SHREDDER	80 HP	0.29 HR		\$2.10	\$4.41	\$2.24	\$3.43	\$12.18
SUBTOTAL		0.29 HR	\$0.00	\$2.10	\$4.41	\$2.24	\$3.43	\$12.18

OVERHEAD EXPENSES

DOWNTIME		1.4 HR		\$10.11				\$10.11
EMPLOYEE BENEFITS				\$15.06				\$15.06
INSURANCE			\$1.67					\$1.67
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				Err:502				Err:502
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		1.40 HR	\$71.05	Err:502		\$1.55		Err:502

TOTAL OPERATING EXPENSES 13.23 HR \$1,447.37 Err:502 \$235.55 Err:502 \$88.71 Err:502

NET OPERATING PROFIT Err:502

INTEREST ON OPERATING CAPITAL (Err:502 @ 7.50%) Err:502
 INTEREST ON EQUIPMENT INVESTMENT Err:502 \$33.08

RETURN TO LAND AND RISK Err:502

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

GROSS RETURN		\$4,000.00
VARIABLE OPERATING EXPENSES	Err:502	
RETURN OVER VARIABLE EXPENSES	Err:502	(GROSS MARGIN)
FIXED EXPENSES	\$88.71	
NET FARM INCOME	Err:502	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	Err:502	
NET OPERATING PROFIT	Err:502	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	Err:502	
RETURN TO LAND AND RISK	Err:502	

TABLE 11. Spring lettuce, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.

Planting dates: January 1 - February 5
Harvesting dates: May 15 - June 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
SPRING LETTUCE	\$5.91	475.00 CARTONS	\$2,807.25
TOTAL			\$2,807.25

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$180.00	4 LBS	\$720.00		\$720.00
ANHYDROUS AMMONIA (NH3)	\$0.38	250 LBS	\$94.38		\$94.38
NITROGEN (N)	\$0.62	50 LBS	\$31.00		\$31.00
PHOSPHATE (P2O5)	\$0.58	150 LBS	\$87.00		\$87.00
INSECTICIDE	\$92.45	1 X/ACRE	\$92.45		\$92.45
PUMP WATER*		24 AC. IN.			
SUBTOTAL			\$1,024.83		\$1,024.83

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
LASER PLANE (CUSTOM)			\$73.33	\$0.00	\$0.00	\$0.00	\$0.00	\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
DISC & SPRAY	185 HP	0.17 HR		\$1.23	\$4.40	\$1.38	\$3.01	\$10.02
LISTER	140 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
PRE-IRRIGATE		0.75 HR		\$5.44	\$11.55	\$0.29	\$3.59	\$20.86
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.89	\$5.08	\$1.32	\$9.62	\$17.91
CULT & SIDEDRESS (2X)	80 HP	0.66 HR		\$4.79	\$10.05	\$3.61	\$4.55	\$22.99
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
THIN & HOE (CUSTOM)			\$120.00					\$120.00
SPRAY	80 HP	0.11 HR		\$0.80	\$1.67	\$0.30	\$0.54	\$3.32
DUSTER (CUSTOM)			\$5.00					\$5.00
ROTO BUCK (5X)	140 HP	0.15 HR		\$1.09	\$2.93	\$0.66	\$2.19	\$6.86
IRRIGATE (5X)		2.5 HR		\$18.13	\$57.73	\$1.47	\$17.94	\$95.26
SUBTOTAL		5.79 HR	\$198.33	\$41.98	\$120.37	\$17.54	\$57.60	\$435.81

HARVEST OPERATIONS

HARVEST (CUSTOM)			\$878.75					\$878.75
CARTONS (CUSTOM)			\$403.75					\$403.75
HAUL (CUSTOM)			\$142.50					\$142.50
BROKERAGE (CUSTOM)			\$259.67					\$259.67
SUBTOTAL		0.00 HR	\$1,684.67	\$0.00	\$0.00	\$0.00	\$0.00	\$1,684.67

OVERHEAD EXPENSES

DOWNTIME		0.5 HR		\$3.64				\$3.64
EMPLOYEE BENEFITS				\$7.56				\$7.56
INSURANCE			\$0.84					\$0.84
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$165.80				\$165.80
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.50 HR	\$70.21	\$176.99			\$1.55	\$248.76

TOTAL OPERATING EXPENSES 6.29 HR \$2,978.04 \$218.97 \$120.37 \$17.54 \$59.15 \$3,394.07

NET OPERATING PROFIT (\$586.82)

INTEREST ON OPERATING CAPITAL (\$687.28 @ 7.50%) \$51.55
INTEREST ON EQUIPMENT INVESTMENT \$22.11

RETURN TO LAND AND RISK (\$660.48)

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

BUDGET SUMMARY

GROSS RETURN		\$2,807.25	
VARIABLE OPERATING EXPENSES	\$3,115.95		
RETURN OVER VARIABLE EXPENSES		(\$308.70)	(GROSS MARGIN)
FIXED EXPENSES	\$59.15		
NET FARM INCOME		(\$367.85)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$218.97		
NET OPERATING PROFIT		(\$586.82)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$73.66		
RETURN TO LAND AND RISK		(\$660.48)	

TABLE 12. Fall lettuce, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.

Planting dates: July 20 - August 10
Harvesting dates: October 1 - October 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
FALL LETTUCE	\$5.78	500.00 CARTONS	\$2,890.00
TOTAL			\$2,890.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.15	4 LBS	\$4.60		\$4.60
ANHYDROUS AMMONIA (NH3)	\$0.38	250 LBS	\$94.38		\$94.38
NITROGEN (N)	\$0.62	50 LBS	\$31.00		\$31.00
PHOSPHATE (P2O5)	\$0.58	150 LBS	\$87.00		\$87.00
HERBICIDE	\$18.56	1 X/ACRE	\$18.56		\$18.56
INSECTICIDE	\$92.58	1 X/ACRE	\$92.58		\$92.58
PUMP WATER*		40 AC. IN.			
SUBTOTAL			\$328.12		\$328.12

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
LASER PLANE (CUSTOM)			\$73.33	\$0.00	\$0.00	\$0.00	\$0.00	\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
DISC & SPRAY	185 HP	0.17 HR		\$1.23	\$4.40	\$1.38	\$3.01	\$10.02
LISTER	140 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
PRE-IRRIGATE		0.75 HR		\$5.44	\$14.43	\$0.37	\$4.48	\$24.72
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.89	\$5.08	\$1.32	\$9.62	\$17.91
CULT & SIDEDRESS (2X)	80 HP	0.66 HR		\$4.79	\$10.05	\$3.61	\$4.55	\$22.99
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
THIN & HOE (CUSTOM)			\$180.00					\$180.00
SPRAY	80 HP	0.11 HR		\$0.80	\$1.67	\$0.30	\$0.54	\$3.32
DUSTER (CUSTOM)			\$15.00					\$15.00
ROTO BUCK (7X)	140 HP	0.21 HR		\$1.52	\$4.10	\$0.92	\$3.06	\$9.61
IRRIGATE (7X)		3.5 HR		\$25.38	\$101.02	\$2.57	\$31.39	\$160.36
SUBTOTAL		6.85 HR	\$268.33	\$49.66	\$167.72	\$18.98	\$72.82	\$577.52

HARVEST OPERATIONS

HARVEST (CUSTOM)			\$925.00					\$925.00
CARTONS (CUSTOM)			\$425.00					\$425.00
HAUL (CUSTOM)			\$150.00					\$150.00
BROKERAGE (CUSTOM)			\$267.33					\$267.33
SUBTOTAL		0.00 HR	\$1,767.33	\$0.00	\$0.00	\$0.00	\$0.00	\$1,767.33

OVERHEAD EXPENSES

DOWNTIME		0.52 HR		\$3.75				\$3.75
EMPLOYEE BENEFITS				\$8.94				\$8.94
INSURANCE			\$0.99					\$0.99
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$113.95				\$113.95
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.52 HR	\$70.37	\$126.64		\$1.55		\$198.56

TOTAL OPERATING EXPENSES 7.37 HR \$2,434.14 \$176.30 \$167.72 \$18.98 \$74.37 \$2,871.51

NET OPERATING PROFIT \$18.49

INTEREST ON OPERATING CAPITAL (\$358.01 @ 7.50%) \$26.85

INTEREST ON EQUIPMENT INVESTMENT \$23.95

RETURN TO LAND AND RISK (\$32.32)

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

BUDGET SUMMARY

GROSS RETURN		\$2,890.00	
VARIABLE OPERATING EXPENSES	\$2,620.84		
RETURN OVER VARIABLE EXPENSES		\$269.16	(GROSS MARGIN)
FIXED EXPENSES	\$74.37		
NET FARM INCOME		\$194.79	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$176.30		
NET OPERATING PROFIT		\$18.49	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$50.80		
RETURN TO LAND AND RISK		(\$32.32)	

TABLE 13. Fall onions, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.
 Planting dates: October 1 - October 31
 Harvesting dates: June 1 - July 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
FALL ONIONS	\$7.64	820.00 SACKS	\$6,264.80
TOTAL			\$6,264.80

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$75.00	4 LBS	\$300.00		\$300.00
ANHYDROUS AMMONIA (NH3)	\$0.38	450 LBS	\$169.88		\$169.88
NITROGEN (N)	\$0.62	75 LBS	\$46.50		\$46.50
PHOSPHATE (P2O5)	\$0.58	180 LBS	\$104.40		\$104.40
HERBICIDE	\$22.26	1 X/ACRE	\$22.26		\$22.26
INSECTICIDE	\$84.85	1 X/ACRE	\$84.85		\$84.85
PUMP WATER*		56 AC. IN.			
SUBTOTAL			\$727.89		\$727.89

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
LASER PLANE (CUSTOM)			\$73.33	\$0.00	\$0.00	\$0.00	\$0.00	\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
DISC & SPRAY	185 HP	0.17 HR		\$1.23	\$4.40	\$1.38	\$3.01	\$10.02
LISTER	140 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
PRE-IRRIGATE		0.75 HR		\$5.44	\$11.55	\$0.29	\$3.59	\$20.86
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.89	\$5.08	\$1.32	\$9.62	\$17.91
CULT & SIDEDRESS (2X)	80 HP	0.66 HR		\$4.79	\$10.05	\$3.61	\$4.55	\$22.99
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
THIN & HOE (CUSTOM)			\$120.00					\$120.00
ROTO BUCK (9X)	140 HP	0.27 HR		\$1.96	\$5.27	\$1.19	\$3.94	\$12.35
IRRIGATE (13X)		6.5 HR		\$47.13	\$150.09	\$3.82	\$46.64	\$247.68
SUBTOTAL		9.80 HR	\$193.33	\$71.05	\$213.40	\$20.12	\$87.50	\$585.40

HARVEST OPERATIONS

ONION KNIVES	80 HP	0.27 HR		\$1.96	\$4.11	\$0.81	\$4.12	\$11.00
HARVEST & HAUL (CUSTOM)			\$902.00					\$902.00
BAG RENTAL			\$82.00					\$82.00
FIELD LOAD (CUSTOM)			\$0.00					\$0.00
PROCESSING (CUSTOM)			\$1,558.00					\$1,558.00
CONTAINER CHARGE			\$328.00					\$328.00
BROKERAGE (CUSTOM)			\$563.83					\$563.83
SUBTOTAL		0.27 HR	\$3,433.83	\$1.96	\$4.11	\$0.81	\$4.12	\$3,444.83

OVERHEAD EXPENSES

DOWNTIME		0.6 HR		\$4.35				\$4.35
EMPLOYEE BENEFITS				\$13.14				\$13.14
INSURANCE			\$1.46					\$1.46
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$165.26				\$165.26
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.60 HR	\$70.83	\$182.75		\$1.55		\$255.14

TOTAL OPERATING EXPENSES 10.67 HR \$4,425.88 \$255.76 \$217.51 \$20.93 \$93.17 \$5,013.25

NET OPERATING PROFIT \$1,251.55

INTEREST ON OPERATING CAPITAL (\$708.88 @ 7.50%) \$53.17
 INTEREST ON EQUIPMENT INVESTMENT \$27.99

RETURN TO LAND AND RISK \$1,170.39

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

BUDGET SUMMARY

GROSS RETURN		\$6,264.80
VARIABLE OPERATING EXPENSES	\$4,664.32	
RETURN OVER VARIABLE EXPENSES	\$1,600.48	(GROSS MARGIN)
FIXED EXPENSES	\$93.17	
NET FARM INCOME	\$1,507.31	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$255.76	
NET OPERATING PROFIT	\$1,251.55	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$81.16	
RETURN TO LAND AND RISK		\$1,170.39

TABLE 14. Midseason yellow onions, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2005
 Planting dates: January 15 - February 15
 Harvesting dates: June 1 - July 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
MIDSEASON YELLOW ONIONS	\$7.98	670.00 SACKS	\$5,346.60
TOTAL			\$5,346.60

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$185.00	4 LBS	\$740.00		\$740.00
ANHYDROUS AMMONIA (NH3)	\$0.38	450 LBS	\$169.88		\$169.88
NITROGEN (N)	\$0.62	75 LBS	\$46.50		\$46.50
PHOSPHATE (P2O5)	\$0.58	180 LBS	\$104.40		\$104.40
HERBICIDE	\$64.72	1 X/ACRE	\$64.72		\$64.72
INSECTICIDE	\$76.22	1 X/ACRE	\$76.22		\$76.22
PUMP WATER*		48 AC. IN.			
SUBTOTAL			\$1,201.72		\$1,201.72

OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
LASER PLANE (CUSTOM)			\$73.33	\$0.00	\$0.00	\$0.00	\$0.00	\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
DISC & SPRAY	185 HP	0.17 HR		\$1.23	\$4.40	\$1.38	\$3.01	\$10.02
LISTER	126 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
PRE-IRRIGATE		0.75 HR		\$5.44	\$9.90	\$0.25	\$3.08	\$18.66
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.89	\$5.08	\$1.32	\$9.62	\$17.91
CULT & SIDEDRESS (2X)	80 HP	0.66 HR		\$4.79	\$10.05	\$3.61	\$4.55	\$22.99
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
THIN & HOE (CUSTOM)			\$120.00					\$120.00
ROTO BUCK (9X)	140 HP	0.27 HR		\$1.96	\$5.27	\$1.19	\$3.94	\$12.35
IRRIGATE (13X)		6.5 HR		\$47.13	\$128.64	\$3.28	\$39.98	\$219.03
SUBTOTAL		9.80 HR	\$193.33	\$71.05	\$190.31	\$19.53	\$80.33	\$554.55

HARVEST OPERATIONS

ONION KNIVES	80 HP	0.27 HR		\$1.96	\$4.11	\$0.81	\$4.12	\$11.00
HARVEST & HAUL (CUSTOM)			\$737.00					\$737.00
BAG RENTAL			\$67.00					\$67.00
FIELD LOAD (CUSTOM)			\$0.00					\$0.00
PROCESSING (CUSTOM)			\$1,273.00					\$1,273.00
CONTAINER CHARGE			\$268.00					\$268.00
BROKERAGE (CUSTOM)			\$481.19					\$481.19
SUBTOTAL		0.27 HR	\$2,826.19	\$1.96	\$4.11	\$0.81	\$4.12	\$2,837.19

OVERHEAD EXPENSES

DOWNTIME		0.6 HR		\$4.35				\$4.35
EMPLOYEE BENEFITS				\$13.14				\$13.14
INSURANCE			\$1.46					\$1.46
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$209.56				\$209.56
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.60 HR	\$70.83	\$227.05			\$1.55	\$299.43

TOTAL OPERATING EXPENSES 10.67 HR \$4,292.07 \$300.06 \$194.42 \$20.34 \$86.00 \$4,892.89

NET OPERATING PROFIT \$453.71

INTEREST ON OPERATING CAPITAL (\$889.24 @ 7.50%) \$66.69
 INTEREST ON EQUIPMENT INVESTMENT \$27.30

RETURN TO LAND AND RISK \$359.71

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

GROSS RETURN		\$5,346.60	
VARIABLE OPERATING EXPENSES	\$4,506.83		
RETURN OVER VARIABLE EXPENSES	\$839.77	(GROSS MARGIN)	
FIXED EXPENSES	\$86.00		
NET FARM INCOME	\$753.77	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$300.06		
NET OPERATING PROFIT	\$453.71	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$94.00		
RETURN TO LAND AND RISK		\$359.71	

TABLE 15. Late season onions, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.
 Planting dates: January 15 - February 15
 Harvesting dates: August 1 - August 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
LATE SEASON ONIONS	\$7.15	820.00 SACKS						\$5,863.00
TOTAL							\$5,863.00	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$185.00	4 LBS	\$740.00					\$740.00
ANHYDROUS AMMONIA (NH3)	\$0.38	400 LBS	\$151.00					\$151.00
NITROGEN (N)	\$0.62	75 LBS	\$46.50					\$46.50
PHOSPHATE (P2O5)	\$0.58	180 LBS	\$104.40					\$104.40
HERBICIDE	\$64.72	1 X/ACRE	\$64.72					\$64.72
INSECTICIDE	\$76.22	1 X/ACRE	\$76.22					\$76.22
PUMP WATER*		48 AC. IN.						
SUBTOTAL			\$1,182.84					\$1,182.84
OPERATIONS								
OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
PLOW	185 HP	0.48 HR		\$3.48	\$12.43	\$3.86	\$7.33	\$27.10
DISC	185 HP	0.14 HR		\$1.02	\$3.63	\$1.04	\$2.10	\$7.78
LASER PLANE (CUSTOM)			\$73.33	\$0.00	\$0.00	\$0.00	\$0.00	\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.36	\$0.98	\$0.22	\$0.66	\$2.21
DISC & SPRAY	185 HP	0.17 HR		\$1.23	\$4.40	\$1.38	\$3.01	\$10.02
LISTER	140 HP	0.12 HR		\$0.87	\$2.34	\$0.84	\$2.02	\$6.08
PRE-IRRIGATE		0.75 HR		\$5.44	\$9.90	\$0.25	\$3.08	\$18.66
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.89	\$5.08	\$1.32	\$9.62	\$17.91
CULT & SIDEDRESS (2X)	80 HP	0.66 HR		\$4.79	\$10.05	\$3.61	\$4.55	\$22.99
ROLLING CULT	80 HP	0.13 HR		\$0.94	\$1.98	\$0.75	\$0.97	\$4.65
THIN & HOE (CUSTOM)			\$120.00					\$120.00
ROTO BUCK (9X)	140 HP	0.27 HR		\$1.96	\$5.27	\$1.19	\$3.94	\$12.35
IRRIGATE (13X)		6.5 HR		\$47.13	\$128.64	\$3.28	\$39.98	\$219.03
SUBTOTAL		9.80 HR	\$193.33	\$71.05	\$190.31	\$19.53	\$80.33	\$554.55
HARVEST OPERATIONS								
ONION KNIVES	80 HP	0.27 HR		\$1.96	\$4.11	\$0.81	\$4.12	\$11.00
HARVEST & HAUL (CUSTOM)			\$902.00					\$902.00
BAG RENTAL			\$82.00					\$82.00
FIELD LOAD (CUSTOM)			\$0.00					\$0.00
PROCESSING (CUSTOM)			\$1,558.00					\$1,558.00
CONTAINER CHARGE			\$328.00					\$328.00
BROKERAGE (CUSTOM)			\$527.67					\$527.67
SUBTOTAL		0.27 HR	\$3,397.67	\$1.96	\$4.11	\$0.81	\$4.12	\$3,408.67
OVERHEAD EXPENSES								
DOWNTIME		0.6 HR		\$4.35				\$4.35
EMPLOYEE BENEFITS				\$13.14				\$13.14
INSURANCE			\$1.46					\$1.46
LAND TAXES						\$1.55		\$1.55
SUPERVISION AND MANAGEMENT				\$207.67				\$207.67
OTHER EXPENSES			\$69.37					\$69.37
SUBTOTAL		0.60 HR	\$70.83	\$225.16			\$1.55	\$297.55
TOTAL OPERATING EXPENSES		10.67 HR	\$4,844.67	\$298.17	\$194.42	\$20.34	\$86.00	\$5,443.60
NET OPERATING PROFIT							\$419.40	
INTEREST ON OPERATING CAPITAL		(\$927.43 @	7.50%)				\$69.56
INTEREST ON EQUIPMENT INVESTMENT								\$27.30
RETURN TO LAND AND RISK							\$322.54	

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

BUDGET SUMMARY

GROSS RETURN		\$5,863.00	
VARIABLE OPERATING EXPENSES	\$5,059.43		
RETURN OVER VARIABLE EXPENSES	\$803.57	(GROSS MARGIN)	
FIXED EXPENSES	\$86.00		
NET FARM INCOME	\$717.57	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$298.17		
NET OPERATING PROFIT	\$419.40	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$96.86		
RETURN TO LAND AND RISK		\$322.54	

TABLE 16. Summary of per acre costs and returns for a 640 acre farm with above average management, Deming area, Luna County, Projected 2009.

	WHEAT	GRAIN SORGHUM	PICKER COTTON	GREEN CHILE	RED CHILE	SPRING LETTUCE	FALL LETTUCE	FALL ONIONS	MIDSEASON ONIONS	LATE ONIONS
	CWT	CWT	LBS	TONS	LBS	CARTONS	CARTONS	SACKS	SACKS	SACKS
PRIMARY YIELD	50	70	750	11	4,000	475	500	820	670	820
PRIMARY PRICE	\$10.00	\$7.70	\$0.80	\$475.00	\$1.00	\$5.91	\$5.78	\$7.64	\$7.98	\$7.15
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$0.00	\$0.00	\$84.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSS RETURN	\$500.00	\$539.00	\$684.00	\$5,225.00	\$4,000.00	\$2,807.25	\$2,890.00	\$6,264.80	\$5,346.60	\$5,863.00
CASH OPERATING EXPENSES										
SEED	\$26.00	\$13.52	\$33.48	\$88.00	\$88.00	\$720.00	\$4.60	\$300.00	\$740.00	\$740.00
FERTILIZER	\$159.38	\$134.70	\$121.63	\$237.45	\$211.03	\$212.38	\$212.38	\$320.78	\$320.78	\$301.90
CHEMICALS		\$45.65	\$26.70	\$31.08	\$31.08	\$92.45	\$111.14	\$107.11	\$140.94	\$140.94
CROP INSURANCE	\$0.74	\$0.53	\$0.18	\$72.58	\$76.22					
OTHER PURCHASED INPUTS										
CANAL WATER										
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$14.09	\$41.75	\$81.27	\$141.41	\$97.01	\$51.10	\$52.27	\$55.88	\$55.88	\$55.88
FUEL-IRRIGATION	\$57.73	\$86.59	\$75.04	\$155.86	\$138.54	\$69.27	\$115.45	\$161.63	\$138.54	\$138.54
REPAIRS	\$5.58	\$14.42	\$16.44	Err:502	Err:502	\$17.54	\$18.98	\$20.93	\$20.34	\$20.34
CUSTOM CHARGES	\$35.50	\$28.30	\$189.20	\$1,252.33	\$970.00	\$1,883.00	\$2,035.66	\$3,627.16	\$3,019.52	\$3,591.00
LAND TAXES	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55
OTHER EXPENSES	\$69.75	\$70.14	\$70.42	\$70.84	\$71.05	\$70.21	\$70.37	\$70.83	\$70.83	\$70.83
TOTAL CASH EXPENSES	\$370.31	\$437.15	\$615.91	Err:502	Err:502	\$3,117.50	\$2,622.39	\$4,665.87	\$4,508.38	\$5,060.98
RETURN OVER CASH EXPENSES	\$129.69	\$101.85	\$68.09	Err:502	Err:502	(\$310.25)	\$267.61	\$1,598.93	\$838.22	\$802.02
FIXED EXPENSES	\$33.73	\$53.06	\$97.30	\$107.75	\$87.16	\$57.60	\$72.82	\$91.62	\$84.45	\$84.45
TOTAL EXPENSES	\$404.04	\$490.21	\$713.20	Err:502	Err:502	\$3,175.10	\$2,695.21	\$4,757.49	\$4,592.83	\$5,145.43
NET FARM INCOME	\$95.96	\$48.79	(\$29.20)	Err:502	Err:502	(\$367.85)	\$194.79	\$1,507.31	\$753.77	\$717.57
LABOR AND MANAGEMENT COSTS	\$60.96	\$90.74	\$122.39	Err:502	Err:502	\$218.97	\$176.30	\$255.76	\$300.06	\$298.17
NET OPERATING PROFIT	\$35.00	(\$41.95)	(\$151.59)	Err:502	Err:502	(\$586.82)	\$18.49	\$1,251.55	\$453.71	\$419.40
CAPITAL COSTS										
INTEREST ON OPERATING CAPITAL	\$8.65	\$10.14	\$10.49	Err:502	Err:502	\$51.55	\$26.85	\$53.17	\$66.69	\$69.56
INTEREST ON EQUIPMENT INVESTMENT	\$9.03	\$17.32	\$31.68	\$46.67	\$33.08	\$22.11	\$23.95	\$27.99	\$27.30	\$27.30
TOTAL CAPITAL COSTS	\$17.69	\$27.46	\$42.17	Err:502	Err:502	\$73.66	\$50.80	\$81.16	\$94.00	\$96.86
RETURN TO LAND AND RISK	\$17.32	(\$69.41)	(\$193.76)	Err:502	Err:502	(\$660.48)	(\$32.32)	\$1,170.39	\$359.71	\$322.54

TABLE 17. Whole farm summary, Deming area, Luna County,
Projected 2009.

GROSS RETURNS		
WHEAT	68.00 ACRES	
CROP		\$34,000
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	93.50 ACRES	
CROP		\$50,397
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
UPLAND COTTON	348.50 ACRES	
LINT		\$209,100
SEED		\$29,274
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GREEN CHILE	40.00 ACRES	
GREEN		\$209,000
RED		\$0
RED CHILE	40.00 ACRES	
CROP		\$160,000
SPRING LETTUCE	10.00 ACRES	
CROP		\$28,073
FALL LETTUCE	10.00 ACRES	
CROP		\$28,900
FALL ONIONS	10.00 ACRES	
CROP		\$62,648
MIDSEASON ONIONS	10.00 ACRES	
CROP		\$53,466
LATE SEASON ONIONS	10.00 ACRES	
CROP		\$58,630
GROSS RETURN		<u>\$923,487</u>
CASH OPERATING EXPENSES		
SEED		\$46,786
FERTILIZER		\$97,439
CHEMICALS		\$21,986
CROP INSURANCE		\$6,102
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$45,432
FUEL-IRRIGATION		\$56,184
REPAIRS		Err:502
CUSTOM CHARGES		\$301,453
LAND TAXES		\$991
OTHER EXPENSES		\$45,051
TOTAL CASH EXPENSES		<u>Err:502</u>
RETURN OVER CASH EXPENSES		Err:502
FIXED EXPENSES		\$52,868
TOTAL EXPENSES		<u>Err:502</u>
NET FARM INCOME		Err:502
LABOR AND MANAGEMENT COSTS		Err:502
NET OPERATING PROFIT		<u>Err:502</u>
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		Err:502
INTEREST ON EQUIPMENT INVESTMENT		\$17,749
TOTAL CAPITAL COSTS		<u>Err:502</u>
RETURN TO LAND AND RISK		<u>Err:502</u>
LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	Err:502	Err:502
\$700 /ACRE	Err:502	Err:502
\$900 /ACRE	Err:502	Err:502
\$1,100 /ACRE	Err:502	Err:502
\$1,300 /ACRE	Err:502	Err:502
\$1,500 /ACRE	Err:502	Err:502

* 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)