

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... DONA ANA COUNTY, Projected 2008.
FARM SIZE..... 500.00 Acres
IRRIGATION TYPE..... FLOOD
NUMBER OF CROPS..... 12

VERSION 1.0

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TABLE 1. Acreage Summary, Dona Ana & Sierra Counties, Projected 2008.

BUDGET AREA..... DONA ANA AND SIERRA COUNTIES			
FARM SIZE..... 500 ACRES			
IRRIGATION TYPE..... FLOOD			
NUMBER OF CROPS.. 12			
ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC. IN. PER ACRE	TOTAL AC. IN.
ALFALFA ESTABLISHMENT *	40.00	12	480
ALFALFA	160.00	60	9,600
PIMA COTTON	17.00	33	561
ARP	0.00		
FLEX IN UPLAND COTTON	3.00	33	99
UPLAND COTTON	119.00	33	3,927
ARP	0.00		
FLEX IN PIMA COTTON	21.00	33	693
GRAIN SORGHUM	17.00	24	408
ARP	0.00		
FLEX IN UPLAND COTTON	3.00	33	99
SPRING LETTUCE	10.00	30	300
FALL LETTUCE *	50.00	40	2,000
WHEAT	17.00	36	612
ARP	0.00		
FLEX IN UPLAND COTTON	3.00	33	99
FALL ONIONS	20.00	56	1,120
MIDSEASON YELLOW ONIONS	20.00	48	960
SWEET SPANISH ONIONS	20.00	56	1,120
GREEN CHILE	15.00	55	825
RED CHILE	15.00	60	900
ROADS, DITCHES, HOMESTEAD	40.00		
TOTAL	500.00		23,803
ACRE FEET PER ACRE OF WATER RIGHTS			3.97

* DOUBLE-CROPPED

TABLE 2. Basic cost information for Dona Ana and Sierra Counties, Projected 2008.

Item		
Labor Wage Rate:		
Equipment operators	\$/hour	\$6.35
General & Irrigators	\$/hour	\$6.35
Purchased Inputs:		
Nitrogen (N)	\$/pound	\$0.63
Phosphate (P205)	\$/pound	\$0.55
Canal water	\$/acre	\$75.00
Additional Water (over 2 acft)	\$/ac ft	\$16.00
Baling Wire	\$/lb	\$0.55
Energy:		
Butane	\$/MCF	\$2.60
Diesel fuel	\$/gallon	\$3.05
Gasoline	\$/gallon	\$2.80
Electricity (El Paso Elec)	cents/KwHr	0.00
Natural gas (Rio Grande)	\$/MCF	\$3.78
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	7.75%
Land Interest Rate	percent	7.75%
Equipment Interest Rate	percent	7.75%
Real Interest Rate	percent	3.00%
Land Taxes	\$900.00 /acre (full value)	\$8.54
Personal Property Tax Rate	- NR - R	-\$1,000 (Assessed Value) \$28.45 \$24.19
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 Dona Ana and Sierra Counties, Projected 2008.

Item		
Electricity (Domestic & Shop)		\$268.80 per month \$3,226
Telephone		\$196.00 per month \$2,352
Accounting & Legal		\$2,962
Misc. Supplies & Hand Tools		\$3,786
Pickup and Auto		
miles	22,400 @	\$0.415 per mile \$9,296
Insurance		
- general liability (non-employee)		\$1,669
- fire/theft		\$2,514
Property Taxes		
- non-planted land		\$0
- other than land & machinery		\$0
Fixed Costs - Pump		\$3,915
Building repairs and maintenance		\$1,266
Dues, fees, publications		\$381
Farmstead Equipment		\$162
Total		\$31,529
Total Per Planted Acre		\$73.06

Kontingenzplan	
Maßnahme	Wahrscheinlichkeit
Maßnahme 1	0,1
Maßnahme 2	0,2
Maßnahme 3	0,3
Maßnahme 4	0,4
Maßnahme 5	0,5
Maßnahme 6	0,6
Maßnahme 7	0,7
Maßnahme 8	0,8
Maßnahme 9	0,9
Maßnahme 10	1,0

Maßnahme	Wahrscheinlichkeit	Erwarteter Schaden
Maßnahme 1	0,1	1000
Maßnahme 2	0,2	2000
Maßnahme 3	0,3	3000
Maßnahme 4	0,4	4000
Maßnahme 5	0,5	5000
Maßnahme 6	0,6	6000
Maßnahme 7	0,7	7000
Maßnahme 8	0,8	8000
Maßnahme 9	0,9	9000
Maßnahme 10	1,0	10000

Maßnahme	Wahrscheinlichkeit	Erwarteter Schaden	Erwarteter Nutzen
Maßnahme 1	0,1	1000	1000
Maßnahme 2	0,2	2000	2000
Maßnahme 3	0,3	3000	3000
Maßnahme 4	0,4	4000	4000
Maßnahme 5	0,5	5000	5000
Maßnahme 6	0,6	6000	6000
Maßnahme 7	0,7	7000	7000
Maßnahme 8	0,8	8000	8000
Maßnahme 9	0,9	9000	9000
Maßnahme 10	1,0	10000	10000

Maßnahme	Wahrscheinlichkeit	Erwarteter Schaden	Erwarteter Nutzen
Maßnahme 1	0,1	1000	1000
Maßnahme 2	0,2	2000	2000
Maßnahme 3	0,3	3000	3000
Maßnahme 4	0,4	4000	4000
Maßnahme 5	0,5	5000	5000
Maßnahme 6	0,6	6000	6000
Maßnahme 7	0,7	7000	7000
Maßnahme 8	0,8	8000	8000
Maßnahme 9	0,9	9000	9000
Maßnahme 10	1,0	10000	10000

Maßnahme	Wahrscheinlichkeit	Erwarteter Schaden	Erwarteter Nutzen
Maßnahme 1	0,1	1000	1000
Maßnahme 2	0,2	2000	2000
Maßnahme 3	0,3	3000	3000
Maßnahme 4	0,4	4000	4000
Maßnahme 5	0,5	5000	5000
Maßnahme 6	0,6	6000	6000
Maßnahme 7	0,7	7000	7000
Maßnahme 8	0,8	8000	8000
Maßnahme 9	0,9	9000	9000
Maßnahme 10	1,0	10000	10000

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Population	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Urban	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Rural	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Male	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Female	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Age 0-14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Age 15-64	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Age 65+	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Population Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Urban Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rural Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age 0-14 Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age 15-64 Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age 65+ Growth Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: UN Population Division, World Population Prospects 2023, Medium Variant.

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
Planting Dates: August 1 - October 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS		TOTAL			
PURCHASED INPUTS								
SEED	\$3.45	25.00 LBS	\$86.25		\$86.25			
PHOSPHATE (P2O5)	\$0.55	90.00 LBS	\$49.50		\$49.50			
HERBICIDE	\$26.84	1.00 X/ACRE	\$26.84		\$26.84			
PUMP WATER*		6 AC. IN.						
CANAL WATER		6.00 AC. IN.						
SUBTOTAL			\$162.59		\$162.59			
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$0.89	\$4.42	\$1.33	\$2.36	\$9.00
CHISEL	185 HP	0.20 HR		\$1.27	\$6.32	\$1.57	\$3.53	\$12.69
FLOW	185 HP	0.38 HR		\$2.41	\$12.01	\$4.60	\$7.61	\$26.63
DISC (2X)	185 HP	0.28 HR		\$1.78	\$8.85	\$2.66	\$4.71	\$18.00
LASER PLANE (CUSTOM)			\$73.33					\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$5.37	\$1.80	\$3.53	\$11.78
BORDER DISC	40 HP	0.05 HR		\$0.32	\$0.52	\$0.10	\$1.93	\$2.87
DRILL	140 HP	0.21 HR		\$1.33	\$4.60	\$1.14	\$10.04	\$17.10
IRRIGATE (2X)		1.50 HR		\$9.53	\$0.05	\$0.00	\$8.10	\$17.68
SUBTOTAL		2.98 HR	\$73.33	\$18.92	\$43.23	\$13.41	\$42.28	\$191.17
OVERHEAD EXPENSES								
DOWNTIME		1.17 HR		\$7.45				\$7.45
EMPLOYEE BENEFITS				\$3.41				\$3.41
INSURANCE			\$0.38					\$0.38
SUPERVISION AND MANAGEMENT				\$27.00				\$27.00
SUBTOTAL		1.17 HR	\$0.38	\$37.86				\$38.23
TOTAL OPERATING EXPENSES		4.15 HR	\$236.30	\$56.78	\$43.23	\$13.41	\$42.28	\$392.00

TABLE 7. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
Harvest Dates: June 1 - October 1

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
ALFALFA HAY	\$140.00	8.00 TONS (STACKED)						\$1,120.00	
TOTAL								\$1,120.00	
<hr/>									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
NITROGEN (N)	\$0.63	35 LBS	\$22.05					\$22.05	
PHOSPHATE (P2O5)	\$0.55	90 LBS	\$49.50					\$49.50	
INSECTICIDE (CUSTOM)	\$14.40	1 X/ACRE	\$14.40					\$14.40	
WIRE	\$0.55	69 LBS	\$37.71					\$37.71	
ESTABLISHMENT: Principal		4 YEARS					\$98.00	\$98.00	
: Interest							\$17.57	\$17.57	
PUMP WATER*		0 AC. IN.							
CANAL WATER		60 AC. IN.	\$123.00					\$123.00	
SUBTOTAL			\$246.66				\$115.57	\$362.23	
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PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
SPRAYER	140 HP	0.11 HR		\$0.70	\$2.41	\$0.60	\$1.45	\$5.16	
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09	
IRRIGATE (10X)		5.00 HR		\$31.75	\$0.00	\$0.00	\$0.00	\$31.75	
SUBTOTAL		5.16 HR		\$32.77	\$3.50	\$0.81	\$1.92	\$39.00	
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HARVEST OPERATIONS									
SWATHER (5X)	14 FT	0.55 HR		\$3.49	\$6.28	\$0.80	\$24.77	\$35.34	
BALER, PTO (5X)	140 HP	1.05 HR		\$6.67	\$22.98	\$4.73	\$12.40	\$46.77	
BALELOADER (CUSTOM)	0		\$60.80					\$60.80	
SUBTOTAL		1.60 HR	\$60.80	\$10.16	\$29.26	\$5.53	\$37.17	\$142.91	
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OVERHEAD EXPENSES									
DOWNTIME		0.43 HR		\$2.71				\$2.71	
EMPLOYEE BENEFITS				\$7.73				\$7.73	
INSURANCE			\$0.86					\$0.86	
LAND TAXES							\$8.54	\$8.54	
SUPERVISION AND MANAGEMENT				\$84.28				\$84.28	
OTHER EXPENSES			\$73.06					\$73.06	
SUBTOTAL		0.43 HR	\$73.92	\$94.72				\$8.54	\$177.17
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TOTAL OPERATING EXPENSES		7.03 HR	\$381.38	\$137.65	\$32.76	\$6.34	\$163.19	\$721.32	
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NET OPERATING PROFIT								\$398.68	
INTEREST ON OPERATING CAPITAL		(\$127.31 @ 7.75%)						\$9.87	
INTEREST ON EQUIPMENT INVESTMENT								\$25.74	
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RETURN TO LAND AND RISK								\$363.08	

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

GROSS RETURN		\$1,120.00	
VARIABLE OPERATING EXPENSES	\$420.47		
RETURN OVER VARIABLE EXPENSES	\$699.53	(GROSS MARGIN)	
FIXED EXPENSES	\$163.19		
NET FARM INCOME	\$536.33	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$137.65		
NET OPERATING PROFIT	\$398.68	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$35.61		
RETURN TO LAND AND RISK		\$363.08	

TABLE 8. Pima cotton, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.

Planting Dates: April 15 - April 30
Harvest Dates: November 15 - November 30

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
LINT	\$1.00	750.00 LBS						\$750.00
SEED	\$0.07	1,200.00 LBS						\$84.00
DIRECT PAYMENT	\$0.00	750.00 LBS						\$0.00
TOTAL							\$834.00	
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$0.91	25 LBS	\$22.75					\$22.75
NITROGEN (N)	\$0.63	120 LBS	\$75.60					\$75.60
PHOSPHATE (P2O5)	\$0.55	50 LBS	\$27.50					\$27.50
HERBICIDE	\$33.37	1 X/ACRE	\$33.37					\$33.37
CROP INSURANCE	\$2.94		\$2.94					\$2.94
PUMP WATER*		0 AC. IN.						
CANAL WATER		33 AC. IN.	\$87.00					\$87.00
SUBTOTAL							\$249.16	
PREHARVEST OPERATIONS								
OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	140 HP	0.14 HR		\$0.89	\$4.42	\$1.33	\$2.36	\$9.00
CHISEL	140 HP	0.20 HR		\$1.27	\$6.32	\$1.57	\$3.53	\$12.69
PLOW	140 HP	0.38 HR		\$2.41	\$12.01	\$4.60	\$7.61	\$26.63
DISC	140 HP	0.14 HR		\$0.89	\$4.42	\$1.33	\$2.36	\$9.00
DISC & SPRAY	140 HP	0.15 HR		\$0.95	\$4.74	\$1.59	\$3.11	\$10.39
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09
LISTER	140 HP	0.18 HR		\$1.14	\$5.69	\$1.40	\$3.32	\$11.55
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.00	\$4.76
HARROW	40 HP	0.32 HR		\$2.03	\$3.35	\$0.35	\$0.41	\$6.15
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80
PLANTER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.56	\$6.31	\$15.20
HARROW	40 HP	0.32 HR		\$2.03	\$3.35	\$0.35	\$0.41	\$6.15
ROLLING CULT (3X)	140 HP	0.63 HR		\$4.00	\$13.79	\$4.30	\$6.77	\$28.86
ROTO BUCK (2X)	40 HP	0.03 HR		\$0.19	\$0.31	\$0.03	\$0.21	\$0.75
ROPEWICK	40 HP	0.10 HR		\$0.64	\$1.05	\$0.11	\$0.23	\$2.02
IRRIGATE (4X)		2.00 HR		\$12.70	\$0.00	\$0.00	\$0.00	\$12.70
SUBTOTAL		5.86 HR		\$37.21	\$68.43	\$19.48	\$37.63	\$162.75
HARVEST OPERATIONS								
COTTON PICKER (2X)	2-ROW	1.24 HR		\$7.87	\$22.87	\$8.87	\$38.46	\$78.07
COTTON TRAILER (2X)	HALF TON	1.00 HR		\$6.35	\$0.00	\$0.69	\$24.94	\$31.98
GIN COTTON (CUSTOM)			\$116.03					\$116.03
SUBTOTAL		2.24 HR	\$116.03	\$14.22	\$22.87	\$9.56	\$63.40	\$226.08
POSTHARVEST OPERATION								
SHREDDER	40 HP	0.29 HR		\$1.84	\$3.04	\$0.37	\$1.07	\$6.32
OVERHEAD EXPENSES								
DOWNTIME		1.41 HR		\$8.95				\$8.95
EMPLOYEE BENEFITS				\$6.70				\$6.70
INSURANCE			\$1.07					\$1.07
LAND TAXES						\$8.54		\$8.54
SUPERVISION AND MANAGEMENT				\$63.95				\$63.95
OTHER EXPENSES			\$73.06					\$73.06
SUBTOTAL		1.41 HR	\$74.12	\$79.60			\$8.54	\$162.26
TOTAL OPERATING EXPENSES		9.80 HR	\$439.31	\$132.88	\$94.34	\$29.40	\$110.64	\$806.57
NET OPERATING PROFIT							\$27.43	
INTEREST ON OPERATING CAPITAL (\$228.26 @ 7.75%)							\$17.69	
INTEREST ON EQUIPMENT INVESTMENT							\$50.23	
RETURN TO LAND AND RISK							(\$40.49)	

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

BUDGET SUMMARY

GROSS RETURN		\$834.00	
VARIABLE OPERATING EXPENSES	\$563.05		
RETURN OVER VARIABLE EXPENSES	\$270.95	(GROSS MARGIN)	
FIXED EXPENSES	\$110.64		
NET FARM INCOME	\$160.31	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$132.88		
NET OPERATING PROFIT	\$27.43	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$67.92		
RETURN TO LAND AND RISK		(\$40.49)	

TABLE 9. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.

Planting Dates: April 15 - April 30
Harvest Dates: November 15 - November 30

ITEM	PRICE	YIELD	BASE						TOTAL	
GROSS RETURNS										
LINT	\$0.80	1,000 LBS							\$800.00	
SEED	\$0.07	1,600 LBS							\$112.00	
DIRECT PAYMENT	\$0.0000	1,000 LBS	0.85						\$0.00	
COUNTER CYCLICAL PAYMENT	\$0.1373	1,230 LBS	0.85						\$143.55	
TOTAL									\$1,055.55	
PURCHASED INPUTS										
	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL	
SEED	\$1.93	25 LBS	\$48.25						\$48.25	
NITROGEN (N)	\$0.63	120 LBS	\$75.60						\$75.60	
PHOSPHATE (P2O5)	\$0.55	50 LBS	\$27.50						\$27.50	
HERBICIDE	\$33.37	1 X/ACRE	\$33.37						\$33.37	
INSECTICIDE	\$64.72	1 X/ACRE	\$64.72						\$64.72	
CROP INSURANCE	\$0.34		\$0.34						\$0.34	
PUMP WATER*		0 AC. IN.								
CANAL WATER		33 AC. IN.	\$87.00						\$87.00	
SUBTOTAL			\$336.77						\$336.77	
PREHARVEST OPERATIONS										
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL		
DISC	140 HP	0.14 HR		\$0.89	\$4.42	\$1.33	\$2.36	\$9.00		
CHISEL	140 HP	0.20 HR		\$1.27	\$6.32	\$1.57	\$3.53	\$12.69		
PLOW	140 HP	0.38 HR		\$2.41	\$12.01	\$4.60	\$7.61	\$26.63		
DISC	140 HP	0.14 HR		\$0.89	\$4.42	\$1.33	\$2.36	\$9.00		
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$5.37	\$1.80	\$3.53	\$11.78		
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09		
LISTER	140 HP	0.18 HR		\$1.14	\$5.69	\$1.40	\$3.32	\$11.55		
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.00	\$4.76		
HARROW	40 HP	0.32 HR		\$2.03	\$3.35	\$0.35	\$0.41	\$6.15		
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80		
PLANTER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.56	\$6.31	\$15.20		
HARROW	40 HP	0.32 HR		\$2.03	\$3.35	\$0.35	\$0.41	\$6.15		
ROLLING CULT (3X)	140 HP	0.63 HR		\$4.00	\$13.79	\$4.30	\$6.77	\$28.86		
ROTO BUCK (2X)	40 HP	0.03 HR		\$0.19	\$0.31	\$0.03	\$0.21	\$0.75		
ROPEWICK	40 HP	0.10 HR		\$0.64	\$1.05	\$0.11	\$0.23	\$2.02		
IRRIGATE (4X)		2.00 HR		\$12.70	\$0.00	\$0.00	\$0.00	\$12.70		
SUBTOTAL		5.88 HR		\$37.34	\$69.06	\$19.69	\$38.05	\$164.13		
HARVEST OPERATIONS										
COTTON PICKER (2X)	2-ROW	1.24 HR		\$7.87	\$22.87	\$8.87	\$38.46	\$78.07		
COTTON TRAILER (2X)	HALF TON	1.00 HR		\$6.35	\$0.00	\$0.69	\$24.94	\$31.98		
GIN COTTON (CUSTOM)			\$128.30							
SUBTOTAL		2.24 HR	\$128.30	\$14.22	\$22.87	\$9.56	\$63.40	\$238.35		
POSTHARVEST OPERATIONS										
SHREDDER	40 HP	0.29 HR		\$1.84	\$3.04	\$0.37	\$1.07	\$6.32		
OVERHEAD EXPENSES										
DOWNTIME		1.42 HR		\$8.99					\$8.99	
EMPLOYEE BENEFITS				\$9.61					\$9.61	
INSURANCE			\$1.07					\$1.07		
LAND TAXES								\$8.54		
SUPERVISION AND MANAGEMENT				\$79.47					\$79.47	
OTHER EXPENSES			\$73.06					\$73.06		
SUBTOTAL		1.42 HR	\$74.13	\$98.07				\$8.54	\$180.73	
TOTAL OPERATING EXPENSES		9.83 HR	\$539.20	\$151.47	\$94.97	\$29.62	\$111.05	\$926.31		
NET OPERATING PROFIT									\$129.24	
INTEREST ON OPERATING CAPITAL		(	\$204.82	@	7.75%	)			\$15.87
INTEREST ON EQUIPMENT INVESTMENT									\$50.46	
RETURN TO LAND AND RISK									\$62.91	

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

GROSS RETURN		\$1,055.55	
VARIABLE OPERATING EXPENSES	\$663.78		
RETURN OVER VARIABLE EXPENSES		\$391.76	(GROSS MARGIN)
FIXED EXPENSES	\$111.05		
NET FARM INCOME		\$280.71	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$151.47		
NET OPERATING PROFIT		\$129.24	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$66.33		
RETURN TO LAND AND RISK		\$62.91	

TABLE 10. Grain sorghum (short season), flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: July 1 - July 15
 Harvest Dates: September 1 - October 30

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GRAIN SORGHUM	\$7.70	40.00	CWT					\$308.00
DIRECT PAYMENT	\$0.00	40.00	CWT					\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00	CWT					\$0.00
TOTAL								\$308.00
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$0.89	10 LBS	\$8.90					\$8.90
HERBICIDE	\$22.23	1 X/ACRE	\$22.23					\$22.23
INSECTICIDE	\$33.37	1 X/ACRE	\$33.37					\$33.37
PUMP WATER*		0 AC. IN.						
CANAL WATER		24 AC. IN.	\$75.00					\$75.00
CROP INSURANCE	\$2.94		\$2.94					\$2.94
SUBTOTAL								\$142.44
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58
PLANTER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.56	\$6.31	\$15.20
ROTO BUCK (3X)	40 HP	0.05 HR		\$0.29	\$0.47	\$0.05	\$0.31	\$1.12
ROLLING CULT (2X)	40 HP	0.42 HR		\$2.67	\$4.40	\$1.49	\$1.04	\$9.60
IRRIGATE (4X)		2.00 HR		\$12.70	\$0.00	\$0.00	\$0.00	\$12.70
SUBTOTAL								\$72.26
HARVEST OPERATIONS								
COMBINE (CUSTOM)				\$9.60				\$9.60
HAUL (CUSTOM)				\$7.20				\$7.20
SUBTOTAL								\$16.80
POSTHARVEST OPERATIONS								
SHREDDER	40 HP	0.29 HR		\$1.84	\$3.04	\$0.37	\$1.07	\$6.32
OVERHEAD EXPENSES								
DOWNTIME		0.43 HR		\$2.71				\$2.71
EMPLOYEE BENEFITS				\$4.23				\$4.23
INSURANCE				\$0.47				\$0.47
LAND TAXES							\$8.54	\$8.54
SUPERVISION AND MANAGEMENT				\$17.88				\$17.88
OTHER EXPENSES				\$73.06				\$73.06
SUBTOTAL								\$106.89
TOTAL OPERATING EXPENSES								\$344.71
NET OPERATING PROFIT								(\$36.71)
INTEREST ON OPERATING CAPITAL		(\$81.94 @ 7.75%)						\$6.35
INTEREST ON EQUIPMENT INVESTMENT								\$11.61
RETURN TO LAND AND RISK								(\$54.67)

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

BUDGET SUMMARY

GROSS RETURN		\$308.00	
VARIABLE OPERATING EXPENSES	\$270.04		
RETURN OVER VARIABLE EXPENSES		\$37.96	(GROSS MARGIN)
FIXED EXPENSES	\$26.32		
NET FARM INCOME		\$11.64	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$48.35		
NET OPERATING PROFIT		(\$36.71)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$17.96		
RETURN TO LAND AND RISK		(\$54.67)	

TABLE 11. Spring lettuce, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
Planting Dates: January 1 - February 1
Harvest Dates: May 1 - May 31

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
SPRING LETTUCE	\$5.12	475 CARTONS						\$2,432.00	
TOTAL							\$2,432.00		
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$140.00	4 LBS	\$560.00					\$560.00	
NITROGEN (N)	\$0.63	250 LBS	\$157.50					\$157.50	
PHOSPHATE (P205)	\$0.55	175 LBS	\$96.25					\$96.25	
INSECTICIDE	\$37.03	3 X/ACRE	\$111.09					\$111.09	
PUMP WATER*		16 AC. IN.							
CANAL WATER		14 AC. IN.	\$75.00					\$75.00	
SUBTOTAL			\$999.84					\$999.84	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69	
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39	
PLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36	
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38	
LASER PLANE (CUSTOM)			\$73.33					\$73.33	
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09	
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69	
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58	
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.02	\$0.00	\$2.40	\$7.18	
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80	
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17	
CULT & SIDEDRESS (2X)	140 HP	0.66 HR		\$4.19	\$14.44	\$4.71	\$7.66	\$31.00	
ROLLING CULT (3X)	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80	
THIN & HOE (CUSTOM)			\$120.00					\$120.00	
DUSTER (CUSTOM)			\$5.00					\$5.00	
ROTO BUCK (8X)	40 HP	0.12 HR		\$0.76	\$1.26	\$0.13	\$0.83	\$2.98	
IRRIGATE (8X)		4.00 HR		\$25.40	\$0.13	\$0.00	\$19.19	\$44.72	
SUBTOTAL		7.58 HR	\$198.33	\$48.13	\$55.91	\$18.87	\$52.93	\$374.16	
HARVEST OPERATIONS									
HARVEST (CUSTOM)			\$878.75					\$878.75	
CARTONS (CUSTOM)			\$403.75					\$403.75	
HAUL (CUSTOM)			\$142.50					\$142.50	
BROKERAGE (CUSTOM)			\$224.96					\$224.96	
SUBTOTAL		0.00 HR	\$1,649.96	\$0.00	\$0.00	\$0.00	\$0.00	\$1,649.96	
OVERHEAD EXPENSES									
DOWNTIME		0.71 HR		\$4.49				\$4.49	
EMPLOYEE BENEFITS				\$8.66				\$8.66	
INSURANCE			\$0.96					\$0.96	
LAND TAXES							\$8.54	\$8.54	
SUPERVISION AND MANAGEMENT				\$163.58				\$163.58	
OTHER EXPENSES			\$73.06					\$73.06	
SUBTOTAL		0.71 HR	\$74.02	\$176.73				\$8.54	\$259.29
TOTAL OPERATING EXPENSES		8.29 HR	\$2,922.15	\$224.87	\$55.91	\$18.87	\$61.46	\$3,283.25	
NET OPERATING PROFIT							(\$851.25)		
INTEREST ON OPERATING CAPITAL		(\$705.69 @	7.75%	)				\$54.69
INTEREST ON EQUIPMENT INVESTMENT							\$39.32		
RETURN TO LAND AND RISK							(\$945.27)		

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

BUDGET SUMMARY

GROSS RETURN		\$2,432.00	
VARIABLE OPERATING EXPENSES	\$2,996.93		
RETURN OVER VARIABLE EXPENSES	(\$564.93)	(GROSS MARGIN)	
FIXED EXPENSES	\$61.46		
NET FARM INCOME	(\$626.39)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$224.87		
NET OPERATING PROFIT	(\$851.25)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$94.01		
RETURN TO LAND AND RISK		(\$945.27)	

TABLE 12. Fall lettuce, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: August 1 - August 15
 Harvest Dates: October 15 - November 10

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
FALL LETTUCE	\$5.47	500 CARTONS	\$2,735.00
TOTAL			\$2,735.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.10	4 LBS	\$4.40		\$4.40
NITROGEN (N)	\$0.63	250 LBS	\$157.50		\$157.50
PHOSPHATE (P205)	\$0.55	150 LBS	\$82.50		\$82.50
HERBICIDE	\$18.55	1 X/ACRE	\$18.55		\$18.55
INSECTICIDE	\$231.73	1 X/ACRE	\$231.73		\$231.73
PUMP WATER*		0 AC. IN.			
CANAL WATER		40 AC. IN.	\$46.67		\$46.67
SUBTOTAL			\$541.35		\$541.35

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39
FLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38
LASER PLANE (CUSTOM)			\$72.50					\$72.50
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.00	\$4.76
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80
VEG-PLANT SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17
CULT & SIDEDRESS (2X)	140 HP	0.66 HR		\$4.19	\$14.44	\$4.71	\$7.66	\$31.00
ROLLING CULT (3X)	40 HP	0.63 HR		\$4.00	\$6.60	\$2.24	\$1.56	\$14.40
THIN & HOE (CUSTOM)			\$160.00					\$160.00
DUSTER (CUSTOM)			\$15.00					\$15.00
ROTO BUCK (8X)	40 HP	0.12 HR		\$0.76	\$1.26	\$0.13	\$0.83	\$2.98
IRRIGATE (8X)		4.00 HR		\$25.40	\$0.00	\$0.00	\$0.00	\$25.40
SUBTOTAL		8.03 HR	\$247.50	\$50.99	\$60.82	\$20.79	\$33.39	\$413.48

HARVEST OPERATIONS				
HARVEST (CUSTOM)			\$925.00	\$925.00
CARTONS (CUSTOM)			\$425.00	\$425.00
HAUL (CUSTOM)			\$150.00	\$150.00
BROKERAGE (CUSTOM)			\$252.99	\$252.99
SUBTOTAL			\$1,752.99	\$1,752.99

OVERHEAD EXPENSES				
DOWNTIME		0.82 HR	\$5.21	\$5.21
EMPLOYEE BENEFITS			\$9.18	\$9.18
INSURANCE			\$1.02	\$1.02
LAND TAXES				\$8.54
SUPERVISION AND MANAGEMENT			\$68.10	\$68.10
OTHER EXPENSES			\$73.06	\$73.06
SUBTOTAL		0.82 HR	\$74.08	\$82.49

TOTAL OPERATING EXPENSES	8.85 HR	\$2,615.91	\$133.48	\$60.82	\$20.79	\$41.92	\$2,872.91
NET OPERATING PROFIT							(\$137.91)
INTEREST ON OPERATING CAPITAL	(	\$499.03	@	7.75%	)		\$38.67
INTEREST ON EQUIPMENT INVESTMENT							\$22.10
RETURN TO LAND AND RISK							(\$198.69)

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

BUDGET SUMMARY

GROSS RETURN		\$2,735.00	
VARIABLE OPERATING EXPENSES	\$2,697.51		
RETURN OVER VARIABLE EXPENSES		\$37.49	(GROSS MARGIN)
FIXED EXPENSES	\$41.92		
NET FARM INCOME		(\$4.44)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$133.48		
NET OPERATING PROFIT		(\$137.91)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$60.77		
RETURN TO LAND AND RISK		(\$198.69)	

TABLE 13. Corn Silage, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: January 1 - January 15
 Harvest Dates: July 1 - July 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
CORN SILAGE	\$32.00	30.00 TONS	\$960.00
TOTAL			\$960.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.44	22 LBS	\$31.76		\$31.76
NITROGEN (N)	\$0.63	300 LBS	\$189.00		\$189.00
PHOSPHATE (P205)	\$0.55	0 LBS	\$0.00		\$0.00
ROUNDUP	\$15.00	2 X/ACRE	\$30.00		\$30.00
PUMP WATER*		6 AC. IN.			
CANAL WATER		30 AC. IN.	\$83.00		\$83.00
CROP INSURANCE	\$2.94		\$2.94		\$2.94
SUBTOTAL			\$336.70		\$336.70

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09
DISC	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97
BORDER DISC	40 HP	0.05 HR		\$0.32	\$0.52	\$0.10	\$1.93	\$2.87
DRILL	140 HP	0.21 HR		\$1.33	\$4.60	\$1.14	\$10.04	\$17.10
IRRIGATE (4X)		2.00 HR		\$12.70	\$0.05	\$0.00	\$8.10	\$20.85
SUBTOTAL		2.82 HR		\$17.91	\$17.43	\$5.42	\$27.22	\$67.97

HARVEST OPERATIONS								
CUT AND HAUL (DAIRY OWNED)			\$10.00					\$10.00
SUBTOTAL			\$10.00					\$10.00

POSTHARVEST OPERATIONS

OVERHEAD EXPENSES

DOWNTIME	0.21 HR		\$1.30					\$1.30
EMPLOYEE BENEFITS			\$3.22					\$3.22
INSURANCE			\$0.36					\$0.36
LAND TAXES						\$8.54		\$8.54
SUPERVISION AND MANAGEMENT			\$69.61					\$69.61
OTHER EXPENSES			\$73.06					\$73.06
SUBTOTAL	0.21 HR		\$73.42	\$74.14			\$8.54	\$156.09

TOTAL OPERATING EXPENSES 3.03 HR \$420.12 \$92.04 \$17.43 \$5.42 \$35.75 \$570.76

NET OPERATING PROFIT \$389.24

INTEREST ON OPERATING CAPITAL (\$174.90 @ 7.75%) \$13.55
 INTEREST ON EQUIPMENT INVESTMENT \$18.41

RETURN TO LAND AND RISK \$357.27

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

BUDGET SUMMARY

GROSS RETURN		\$960.00	
VARIABLE OPERATING EXPENSES	\$442.96		
RETURN OVER VARIABLE EXPENSES	\$517.04	(GROSS MARGIN)	
FIXED EXPENSES	\$35.75		
NET FARM INCOME	\$481.28	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$92.04		
NET OPERATING PROFIT	\$389.24	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$31.97		
RETURN TO LAND AND RISK		\$357.27	

TABLE 14. Fall onions, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: October 1 - October 15
 Harvesting Dates: June 1 - July 15

K03-09-05

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
FALL ONIONS	\$6.81	1,200.00 SACKS	\$8,172.00
TOTAL			\$8,172.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$67.50	6 LBS	\$405.00		\$405.00
NITROGEN (N)	\$0.63	600 LBS	\$378.00		\$378.00
PHOSPHATE (P2O5)	\$0.55	250 LBS	\$137.50		\$137.50
HERBICIDE	\$22.23	2 X/ACRE	\$44.47		\$44.47
INSECTICIDE	\$75.83	2 X/ACRE	\$151.65		\$151.65
PUMP WATER*		6 AC. IN.			
CANAL WATER		50 AC. IN.	\$109.67		\$109.67
SUBTOTAL			\$1,226.29		\$1,226.29

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39
PLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38
LASER PLANE (CUSTOM)			\$73.33					\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.58	\$5.34
ROD WEEDER	40 HP	0.08 HR		\$0.51	\$0.84	\$0.15	\$1.57	\$3.06
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80
VEG PLANT-SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17
CULT & SIDEDRESS (4X)	140 HP	1.32 HR		\$8.38	\$28.88	\$9.41	\$15.31	\$61.99
ROLLING CULT (2X)	40 HP	0.42 HR		\$2.67	\$4.40	\$1.49	\$1.04	\$9.60
THIN & HOE (CUSTOM)			\$120.00					\$120.00
ROTO BUCK (9X)	40 HP	0.14 HR		\$0.86	\$1.41	\$0.15	\$0.94	\$3.36
IRRIGATE (13X)		6.50 HR		\$41.28	\$0.05	\$0.00	\$7.52	\$48.84
SUBTOTAL		11.08 HR	\$193.33	\$70.33	\$74.11	\$24.91	\$50.29	\$412.97

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
ONION KNIVES	80 HP	0.27 HR		\$1.71	\$5.91	\$1.43	\$4.30	\$13.34
HARVEST & HAUL (CUSTOM)			\$1,320.00					\$1,320.00
BAG RENTAL			\$120.00					\$120.00
FIELD LOAD (CUSTOM)			\$0.00					\$0.00
PROCESSING (CUSTOM)			\$2,280.00					\$2,280.00
CONTAINER CHARGE			\$480.00					\$480.00
BROKERAGE (CUSTOM)			\$735.48					\$735.48
SUBTOTAL		0.27 HR	\$4,935.48	\$1.71	\$5.91	\$1.43	\$4.30	\$4,948.82

OVERHEAD EXPENSES	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME		1.02 HR		\$6.50				\$6.50
EMPLOYEE BENEFITS				\$12.66				\$12.66
INSURANCE			\$1.41					\$1.41
LAND TAXES							\$8.54	\$8.54
SUPERVISION AND MANAGEMENT				\$200.60				\$200.60
OTHER EXPENSES			\$73.06					\$73.06
SUBTOTAL		1.02 HR	\$74.46	\$219.76			\$8.54	\$302.75

TOTAL OPERATING EXPENSES		12.37 HR	\$6,429.56	\$291.80	\$80.02	\$26.34	\$63.12	\$6,890.84
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NET OPERATING PROFIT								\$1,281.16
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INTEREST ON OPERATING CAPITAL	(\$1,097.52	@	7.75%)			\$85.06
INTEREST ON EQUIPMENT INVESTMENT								\$35.92

RETURN TO LAND AND RISK								\$1,160.18
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*Pump water costs are shown under irrigation in the preharvest operation section.
 BUDGET SUMMARY

GROSS RETURN		\$8,172.00	
VARIABLE OPERATING EXPENSES	\$6,535.92		
RETURN OVER VARIABLE EXPENSES		\$1,636.08	(GROSS MARGIN)
FIXED EXPENSES	\$63.12		
NET FARM INCOME		\$1,572.96	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$291.80		
NET OPERATING PROFIT		\$1,281.16	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$120.98		
RETURN TO LAND AND RISK		\$1,160.18	

TABLE 15. Midseason yellow onions, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: January 1 - January 31
 Harvest Dates: July 1 - July 31

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
MIDSEASON YELLOWS	\$7.21	675.00 SACKS						\$4,866.75	
TOTAL								\$4,866.75	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$165.00	4 LBS	\$660.00					\$660.00	
NITROGEN (N)	\$0.63	450 LBS	\$283.50					\$283.50	
PHOSPHATE (P205)	\$0.55	180 LBS	\$99.00					\$99.00	
HERBICIDE	\$64.72	1 X/ACRE	\$64.72					\$64.72	
INSECTICIDE	\$75.87	1 X/ACRE	\$75.87					\$75.87	
PUMP WATER*		6 AC. IN.							
CANAL WATER		42 AC. IN.	\$99.00					\$99.00	
SUBTOTAL			\$1,282.08					\$1,282.08	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69	
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39	
PLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36	
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38	
LASER PLANE (CUSTOM)			\$73.33					\$73.33	
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09	
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97	
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58	
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.67	\$5.44	
ROD WEEDER	40 HP	0.08 HR		\$0.51	\$0.84	\$0.15	\$1.57	\$3.06	
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.22	\$4.50	
VEG PLANT-SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17	
CULT & SIDEDRESS (3X)	140 HP	0.99 HR		\$6.29	\$21.66	\$7.06	\$11.49	\$46.49	
ROLLING CULT (2X)	40 HP	0.42 HR		\$2.67	\$4.40	\$1.49	\$1.04	\$9.60	
HOE (CUSTOM)			\$120.00					\$120.00	
ROTO BUCK (9X)	40 HP	0.14 HR		\$0.86	\$1.41	\$0.15	\$0.94	\$3.36	
IRRIGATE (11X)		5.50 HR		\$34.93	\$0.05	\$0.00	\$7.42	\$42.40	
SUBTOTAL		9.75 HR	\$193.33	\$61.88	\$66.89	\$22.56	\$46.16	\$390.82	
HARVEST OPERATIONS									
ONION KNIVES	140 HP	0.27 HR		\$1.71	\$5.91	\$1.43	\$4.30	\$13.34	
HARVEST & HAUL (CUSTOM)			\$742.50					\$742.50	
BAG RENTAL			\$67.50					\$67.50	
FIELD LOAD			\$0.00					\$0.00	
PROCESSING			\$1,282.50					\$1,282.50	
CONTAINER CHARGE			\$270.00					\$270.00	
BROKERAGE (CUSTOM)			\$438.01					\$438.01	
SUBTOTAL		0.27 HR	\$2,800.51	\$1.71	\$5.91	\$1.43	\$4.30	\$2,813.85	
OVERHEAD EXPENSES									
DOWNTIME		0.40 HR		\$2.52				\$2.52	
EMPLOYEE BENEFITS				\$11.45				\$11.45	
INSURANCE			\$1.27					\$1.27	
LAND TAXES							\$8.54	\$8.54	
SUPERVISION AND MANAGEMENT				\$200.20				\$200.20	
OTHER EXPENSES			\$73.06					\$73.06	
SUBTOTAL		0.40 HR	\$74.33	\$214.17				\$8.54	\$297.03
TOTAL OPERATING EXPENSES		10.41 HR	\$4,350.25	\$277.76	\$72.80	\$23.98	\$58.99	\$4,783.78	
NET OPERATING PROFIT								\$82.97	
INTEREST ON OPERATING CAPITAL		(\$945.11 @ 7.75%)						\$73.25	
INTEREST ON EQUIPMENT INVESTMENT								\$33.98	
RETURN TO LAND AND RISK								(\$24.26)	

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

BUDGET SUMMARY

GROSS RETURN		\$4,866.75	
VARIABLE OPERATING EXPENSES	\$4,447.03		
RETURN OVER VARIABLE EXPENSES		\$419.72	(GROSS MARGIN)
FIXED EXPENSES	\$58.99		
NET FARM INCOME		\$360.73	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$277.76		
NET OPERATING PROFIT		\$82.97	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$107.22		
RETURN TO LAND AND RISK		(\$24.26)	

TABLE 16. Sweet Spanish onions, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: January 15 - February 15
 Harvest Dates: August 1 - August 15

ITEM	PRICE	YIELD							TOTAL	
GROSS RETURNS										
SWEET SPANISH	\$6.97	825.00	SACKS						\$5,750.25	
TOTAL									\$5,750.25	
<hr/>										
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS						FIXED COST	TOTAL
SEED	\$165.00	4 LBS	\$660.00						\$660.00	
NITROGEN (N)	\$0.63	450 LBS	\$283.50						\$283.50	
PHOSPHATE (P2O5)	\$0.55	180 LBS	\$99.00						\$99.00	
HERBICIDE	\$64.72	1 X/ACRE	\$64.72						\$64.72	
INSECTICIDE	\$75.79	1 X/ACRE	\$75.79						\$75.79	
PUMP WATER*		6 AC. IN.								
CANAL WATER		50 AC. IN.	\$109.67						\$109.67	
SUBTOTAL			\$1,292.67						\$1,292.67	
<hr/>										
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL		
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69		
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39		
PLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36		
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38		
LASER PLANE (CUSTOM)			\$73.33					\$73.33		
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09		
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97		
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58		
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.58	\$5.34		
ROD WEEDER	40 HP	0.08 HR		\$0.51	\$0.84	\$0.15	\$1.57	\$3.06		
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80		
VEG PLANT-SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17		
CULT & SIDEDRESS (3X)	140 HP	0.99 HR		\$6.29	\$21.66	\$7.06	\$11.49	\$46.49		
ROLLING CULT (2X)	40 HP	0.42 HR		\$2.67	\$4.40	\$1.49	\$1.04	\$9.60		
THIN & HOE (CUSTOM)			\$120.00					\$120.00		
ROTO BUCK (9X)	40 HP	0.14 HR		\$0.86	\$1.41	\$0.15	\$0.94	\$3.36		
IRRIGATE (13X)		6.50 HR		\$41.28	\$0.05	\$0.00	\$7.52	\$48.84		
SUBTOTAL		10.75 HR	\$193.33	\$68.23	\$66.89	\$22.56	\$46.47	\$397.47		
<hr/>										
HARVEST OPERATIONS										
ONION KNIVES	140 HP	0.27 HR		\$1.71	\$5.91	\$1.43	\$4.30	\$13.34		
HARVEST & HAUL (CUSTOM)			\$907.50					\$907.50		
BAG RENTAL			\$82.50					\$82.50		
FIELD LOAD			\$0.00					\$0.00		
PROCESSING			\$1,567.50					\$1,567.50		
CONTAINER CHARGE			\$330.00					\$330.00		
BROKERAGE (CUSTOM)			\$517.52					\$517.52		
SUBTOTAL		0.27 HR	\$3,405.02	\$1.71	\$5.91	\$1.43	\$4.30	\$3,418.37		
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OVERHEAD EXPENSES										
DOWNTIME		0.62 HR		\$3.95				\$3.95		
EMPLOYEE BENEFITS				\$12.59				\$12.59		
INSURANCE			\$1.40					\$1.40		
LAND TAXES							\$8.54	\$8.54		
SUPERVISION AND MANAGEMENT				\$205.09				\$205.09		
OTHER EXPENSES			\$73.06					\$73.06		
SUBTOTAL		0.62 HR	\$74.46	\$221.64			\$8.54	\$304.63		
<hr/>										
TOTAL OPERATING EXPENSES		11.64 HR	\$4,965.48	\$291.58	\$72.80	\$23.98	\$59.30	\$5,413.14		
<hr/>										
NET OPERATING PROFIT								\$337.11		
INTEREST ON OPERATING CAPITAL			(\$1,000.78 @	7.75%)			\$77.56		
INTEREST ON EQUIPMENT INVESTMENT								\$33.98		
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RETURN TO LAND AND RISK								\$225.58		

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

BUDGET SUMMARY

GROSS RETURN		\$5,750.25	
VARIABLE OPERATING EXPENSES	\$5,062.26		
RETURN OVER VARIABLE EXPENSES	\$687.99	(GROSS MARGIN)	
FIXED EXPENSES	\$59.30		
NET FARM INCOME	\$628.69	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$291.58		
NET OPERATING PROFIT	\$337.11	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$111.54		
RETURN TO LAND AND RISK		\$225.58	

TABLE 1. Green chile, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
Planting Dates: March 15 - April 10
Harvest Dates: August 15 - November 30

ITEM	PRICE	YIELD							TOTAL
GROSS RETURNS									
GREEN	\$380.00	11.00 TONS							\$4,180.00
RED	\$0.00	0.00 LBS							\$0.00
TOTAL									\$4,180.00
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$18.00	5 LBS	\$90.00						\$90.00
NITROGEN (N)	\$0.63	300 LBS	\$189.00						\$189.00
PHOSPHATE (P205)	\$0.55	70 LBS	\$38.50						\$38.50
HERBICIDE	\$74.10	1 X/ACRE	\$74.10						\$74.10
INSECTICIDE	\$46.16	1 X/ACRE	\$46.16						\$46.16
NEMATOCIDE (CUSTOM)	\$45.54	1 X/ACRE	\$45.54						\$45.54
CROP INSURANCE		600 DOLLAR	\$40.00						\$40.00
PUMP WATER*		0 AC. IN.							
CANAL WATER		55 AC. IN.	\$116.33						\$116.33
SUBTOTAL									\$639.63
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69	
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39	
PLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36	
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38	
LASER PLANE (CUSTOM)			\$73.33						\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09	
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97	
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58	
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.00	\$4.76	
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80	
VEG PLANT-SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17	
ROLLING CULT (2X)	40 HP	0.42 HR		\$2.67	\$4.40	\$1.49	\$1.04	\$9.60	
CULTIVATOR (3X)	40 HP	0.63 HR		\$4.00	\$6.60	\$2.24	\$1.56	\$14.40	
CULT & SIDEDRESS (2X)	140 HP	0.66 HR		\$4.19	\$14.44	\$4.71	\$7.66	\$31.00	
THINNING (CUSTOM)			\$70.00						\$70.00
HOEING (CUSTOM)			\$80.00						\$80.00
ROTO BUCK (7X)	40 HP	0.11 HR		\$0.67	\$1.10	\$0.12	\$0.73	\$2.61	
IRRIGATE (10X)		5.00 HR		\$31.75	\$0.00	\$0.00	\$0.00	\$31.75	
SUBTOTAL									\$404.89
HARVEST OPERATIONS									
HARVEST GREEN (CUSTOM)			\$990.00						\$990.00
HARVEST RED (CUSTOM)			\$0.00						\$0.00
HAUL (TRAILER) (3X)	40 HP	2.40 HR		\$15.24	\$25.13	\$2.66	\$13.96	\$56.99	
FORK LIFT (3X)	RENTAL	1.05 HR	\$10.00	\$6.67					\$16.67
HAUL (CUSTOM)			\$137.50						\$137.50
SUBTOTAL									\$1,201.16
POSTHARVEST OPERATIONS									
SHREDDER	40 HP	0.29 HR		\$1.84	\$3.04	\$0.37	\$1.07	\$6.32	
OVERHEAD EXPENSES									
DOWNTIME		1.86 HR		\$11.79					\$11.79
EMPLOYEE BENEFITS				\$15.06					\$15.06
INSURANCE			\$1.67					\$1.67	
LAND TAXES								\$8.54	
SUPERVISION AND MANAGEMENT				\$146.56					\$146.56
OTHER EXPENSES			\$73.06						\$73.06
SUBTOTAL									\$256.67
TOTAL OPERATING EXPENSES		15.03 HR	\$2,075.19	\$257.07	\$93.23	\$25.29	\$57.89	\$2,508.67	
NET OPERATING PROFIT									\$1,671.33
INTEREST ON OPERATING CAPITAL		(	\$494.87	@	7.75%	)			\$38.35
INTEREST ON EQUIPMENT INVESTMENT									\$30.32
RETURN TO LAND AND RISK									\$1,602.65
*Pump water costs are shown under irrigation in the preharvest operation section.									
BUDGET SUMMARY									
GROSS RETURN		\$4,180.00							
VARIABLE OPERATING EXPENSES	\$2,193.71								
RETURN OVER VARIABLE EXPENSES	\$1,986.29	(GROSS MARGIN)							
FIXED EXPENSES	\$57.89								
NET FARM INCOME	\$1,928.40	(RETURN TO CAPITAL, LABOR, LAND & RISK)							
LABOR AND MANAGEMENT COST	\$257.07								
NET OPERATING PROFIT	\$1,671.33	(RETURN TO CAPITAL, LAND & RISK)							
CAPITAL COSTS	\$68.68								
RETURN TO LAND AND RISK	\$1,602.65								

TABLE 18. Red chile, flood-irrigated, budgeted per acre costs and returns for a farm with above average management, Dona Ana and Sierra Counties, Projected 2008.
 Planting Dates: March 15 - April 10
 Harvest Dates: August 15 - November 30

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
RED	\$1.00	3,500.00 LBS	\$3,500.00
TOTAL			\$3,500.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$18.00	8 LBS	\$144.00		\$144.00
NITROGEN (N)	\$0.63	250 LBS	\$157.50		\$157.50
PHOSPHATE (P205)	\$0.55	60 LBS	\$33.00		\$33.00
HERBICIDE	\$74.10	1 X/ACRE	\$74.10		\$74.10
INSECTICIDE	\$46.16	1 X/ACRE	\$46.16		\$46.16
NEMATOCIDE (CUSTOM)	\$45.54	1 X/ACRE	\$45.54		\$45.54
CROP INSURANCE		600 DOLLARS	\$40.00		\$40.00
PUMP WATER*		0 AC. IN.			
CANAL WATER		60 AC. IN.	\$123.00		\$123.00
SUBTOTAL			\$663.30		\$663.30

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	140 HP	0.14 HR		\$0.89	\$3.06	\$1.13	\$1.61	\$6.69
CHISEL	140 HP	0.20 HR		\$1.27	\$4.38	\$1.28	\$2.46	\$9.39
PLOW	140 HP	0.38 HR		\$2.41	\$8.31	\$4.06	\$5.58	\$20.36
DISC (2X)	140 HP	0.28 HR		\$1.78	\$6.13	\$2.26	\$3.21	\$13.38
LASER PLANE (CUSTOM)			\$73.33					\$73.33
FERTILIZE	140 HP	0.05 HR		\$0.32	\$1.09	\$0.22	\$0.46	\$2.09
DISC & SPRAY	140 HP	0.17 HR		\$1.08	\$3.72	\$1.56	\$2.62	\$8.97
LISTER	140 HP	0.18 HR		\$1.14	\$3.94	\$1.14	\$2.36	\$8.58
PRE-IRRIGATE		0.75 HR		\$4.76	\$0.00	\$0.00	\$0.00	\$4.76
ROLLING CULT	40 HP	0.21 HR		\$1.33	\$2.20	\$0.75	\$0.52	\$4.80
VEG PLANT-SHAPER	140 HP	0.26 HR		\$1.65	\$5.69	\$1.32	\$4.51	\$13.17
ROLLING CULT (2X)	40 HP	0.42 HR		\$2.67	\$4.40	\$1.49	\$1.04	\$9.60
CULTIVATOR (3X)	40 HP	0.63 HR		\$4.00	\$6.60	\$2.24	\$1.56	\$14.40
CULT & SIDEDRESS (2X)	140 HP	0.66 HR		\$4.19	\$14.44	\$4.71	\$7.66	\$31.00
THINNING (CUSTOM)			\$70.00					\$70.00
HOEING (CUSTOM)			\$80.00					\$80.00
ROTO BUCK (7X)	40 HP	0.11 HR		\$0.67	\$1.10	\$0.12	\$0.73	\$2.61
IRRIGATE (11X)		5.50 HR		\$34.93	\$0.00	\$0.00	\$0.00	\$34.93
SUBTOTAL		9.94 HR	\$223.33	\$63.09	\$65.06	\$22.27	\$34.32	\$408.06

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
HARVEST (CUSTOM)			\$700.00					\$700.00
HAUL (TRAILER) (3X)	40 HP	0.80 HR		\$5.08	\$8.38	\$0.89	\$4.65	\$19.00
FORK LIFT (3X)	RENTAL	0.30 HR	\$10.00	\$1.91				\$11.91
HAUL (CUSTOM)			\$105.00					\$105.00
SUBTOTAL		1.10 HR	\$815.00	\$6.99	\$8.38	\$0.89	\$4.65	\$835.90

POSTHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SHREDDER	40 HP	0.29 HR		\$1.84	\$3.04	\$0.37	\$1.07	\$6.32

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	1.27 HR		\$8.06				\$8.06
EMPLOYEE BENEFITS			\$12.94				\$12.94
INSURANCE		\$1.44					\$1.44
LAND TAXES						\$8.54	\$8.54
SUPERVISION AND MANAGEMENT			\$143.46				\$143.46
OTHER EXPENSES		\$73.06					\$73.06
SUBTOTAL	1.27 HR	\$74.50	\$164.46			\$8.54	\$247.49

TOTAL OPERATING EXPENSES	12.59 HR	\$1,776.12	\$236.38	\$76.47	\$23.52	\$48.58	\$2,161.08
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NET OPERATING PROFIT							\$1,338.92
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INTEREST ON OPERATING CAPITAL	(\$478.29 @ 7.75%)						\$37.07
INTEREST ON EQUIPMENT INVESTMENT							\$25.94

RETURN TO LAND AND RISK							\$1,275.91
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*Pump water costs are shown under irrigation in the preharvest operation section.
 BUDGET SUMMARY

GROSS RETURN		\$3,500.00	
VARIABLE OPERATING EXPENSES	\$1,876.12		
RETURN OVER VARIABLE EXPENSES	\$1,623.88	(GROSS MARGIN)	
FIXED EXPENSES	\$48.58		
NET FARM INCOME	\$1,575.30	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$236.38		
NET OPERATING PROFIT	\$1,338.92	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$63.01		
RETURN TO LAND AND RISK		\$1,275.91	

Table 19. Summary of per acre costs and returns for a 500 acre farm with above average management, Dona Ana and Sierra Counties, Projected 2008.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	PIMA COTTON	PICKER COTTON	GRAIN SORGHUM	SPRING LETTUCE	FALL LETTUCE	CORN SILAGE	FALL ONIONS	MIDSEASON YELLOW ONIONS	SWEET SPANISH ONIONS	GREEN CHILE	RED CHILE
		TONS	LBS	LBS	CWT	CARTONS	CARTONS	TONS	SACKS	SACKS	SACKS	TONS/LBS	LBS
PRIMARY YIELD		8.00	750.00	1,000.00	40.00	475.00	500.00	30.00	1,200.00	675.00	825.00	11.00	3,500.00
PRIMARY PRICE	\$140.00	\$1.00	\$0.80	\$7.70	\$5.12	\$5.47	\$32.00	\$6.81	\$7.21	\$6.97	\$380.00	\$1.00	\$1.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$143.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$0.00	\$84.00	\$112.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSS RETURN		\$1,120.00	\$834.00	\$1,055.55	\$308.00	\$2,432.00	\$2,735.00	\$960.00	\$8,172.00	\$4,866.75	\$5,750.25	\$4,180.00	\$3,500.00
CASH OPERATING EXPENSES													
SEED	\$86.25		\$22.75	\$48.25	\$8.90	\$560.00	\$4.40	\$31.76	\$405.00	\$660.00	\$660.00	\$90.00	\$144.00
FERTILIZER	\$49.50	\$71.55	\$103.10	\$103.10	\$28.69	\$253.75	\$240.00	\$189.00	\$515.50	\$382.50	\$382.50	\$227.50	\$190.50
CHEMICALS	\$26.84	\$14.40	\$33.37	\$98.09	\$55.60	\$111.09	\$250.28	\$30.00	\$196.12	\$140.58	\$140.51	\$165.80	\$165.80
CROP INSURANCE			\$2.94	\$0.34	\$2.94			\$2.94				\$40.00	\$40.00
OTHER PURCHASED INPUTS		\$37.71											
CANAL WATER		\$123.00	\$87.00	\$87.00	\$75.00	\$75.00	\$46.67	\$83.00	\$109.67	\$99.00	\$109.67	\$116.33	\$123.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$43.18	\$32.76	\$94.34	\$94.97	\$28.69	\$55.76	\$60.82	\$17.37	\$79.96	\$72.74	\$72.74	\$93.23	\$76.47
FUEL-IRRIGATION	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.14	\$0.00	\$0.05	\$0.05	\$0.05	\$0.05	\$0.00	\$0.00
REPAIRS	\$13.41	\$6.34	\$29.40	\$29.62	\$8.58	\$18.87	\$20.79	\$5.42	\$26.34	\$23.98	\$23.98	\$25.29	\$23.52
CUSTOM CHARGES	\$73.33	\$60.80	\$116.03	\$128.30	\$16.80	\$1,848.29	\$2,000.49	\$10.00	\$5,128.81	\$2,993.84	\$3,598.35	\$1,360.83	\$1,038.33
LAND TAXES		\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54	\$8.54
OTHER EXPENSES	\$0.38	\$73.92	\$74.12	\$74.13	\$73.53	\$74.02	\$74.08	\$73.42	\$74.46	\$74.33	\$74.46	\$74.73	\$74.50
TOTAL CASH EXPENSES	\$292.94	\$429.01	\$571.59	\$672.32	\$278.58	\$3,005.46	\$2,706.05	\$451.50	\$6,544.45	\$4,455.56	\$5,070.80	\$2,202.25	\$1,884.65
RETURN OVER CASH EXPENSES	(\$292.94)	\$690.99	\$262.41	\$383.23	\$29.42	(\$573.46)	\$28.95	\$508.50	\$1,627.55	\$411.19	\$679.45	\$1,977.75	\$1,615.35
FIXED EXPENSES	\$42.28	\$154.66	\$102.10	\$102.52	\$17.78	\$52.93	\$33.39	\$27.22	\$54.59	\$50.46	\$50.76	\$49.36	\$40.05
TOTAL EXPENSES	\$335.22	\$583.67	\$673.69	\$774.84	\$296.36	\$3,058.39	\$2,739.44	\$478.72	\$6,599.04	\$4,506.02	\$5,121.56	\$2,251.60	\$1,924.70
NET FARM INCOME	(\$335.22)	\$536.33	\$160.31	\$280.71	\$11.64	(\$626.39)	(\$4.44)	\$481.28	\$1,572.96	\$360.73	\$628.69	\$1,928.40	\$1,575.30
LABOR AND MANAGEMENT COSTS	\$56.78	\$137.65	\$132.88	\$151.47	\$48.35	\$224.87	\$133.48	\$92.04	\$291.80	\$277.76	\$291.58	\$257.07	\$236.38
NET OPERATING PROFIT	(\$392.00)	\$398.68	\$27.43	\$129.24	(\$36.71)	(\$851.25)	(\$137.91)	\$389.24	\$1,281.16	\$82.97	\$337.11	\$1,671.33	\$1,338.92
CAPITAL COSTS													
INTEREST ON OPERATING CAPITAL		\$9.87	\$17.69	\$15.87	\$6.35	\$54.69	\$38.67	\$13.55	\$85.06	\$73.25	\$77.56	\$38.35	\$37.07
INTEREST ON EQUIPMENT INVESTMENT		\$25.74	\$50.23	\$50.46	\$11.61	\$39.32	\$22.10	\$18.41	\$35.92	\$33.98	\$33.98	\$30.32	\$25.94
TOTAL CAPITAL COSTS	\$0.00	\$35.61	\$67.92	\$66.33	\$17.96	\$94.01	\$60.77	\$31.97	\$120.98	\$107.22	\$111.54	\$68.68	\$63.01
RETURN TO LAND AND RISK	(\$392.00)	\$363.08	(\$40.49)	\$62.91	(\$54.67)	(\$945.27)	(\$198.69)	\$357.27	\$1,160.18	(\$24.26)	\$225.58	\$1,602.65	\$1,275.91

Flex Computation
 111.85
 402.904718
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Table 20. Whole farm budget summary, Dona Ana and Sierra Counties,
Projected 2008.

GROSS RETURNS		
ALFALFA HAY	160 ACRES	
CROP		\$179,200
PIMA COTTON	17 ACRES	
LINT		\$12,750
SEED		\$1,428
COUNTER CYCLICAL PAYMENT		\$0
UPLAND COTTON	149.00 ACRES	
LINT		\$119,200
SEED		\$16,688
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$21,389
GRAIN SORGHUM	17 ACRES	
CROP		\$5,236
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
SPRING LETTUCE	10 ACRES	
CROP		\$24,320
FALL LETTUCE	50 ACRES	
CROP		\$136,750
WHEAT	17 ACRES	
CROP		\$16,320
DIRECT PAYMENT		\$0
FALL ONIONS	20 ACRES	
CROP		\$163,440
MIDSEASON YELLOW ONIONS	20 ACRES	
CROP		\$97,335
SWEET SPANISH ONIONS	20 ACRES	
CROP		\$115,005
GREEN CHILE	15 ACRES	
GREEN		\$62,700
RED		\$0
RED CHILE	15 ACRES	
RED		\$52,500
GROSS RETURN		<u>\$1,024,261</u>
CASH OPERATING EXPENSES		
SEED		\$55,547
FERTILIZER		\$80,173
CHEMICALS		\$48,158
CROP INSURANCE		\$1,400
OTHER PURCHASED INPUTS		\$6,033
CANAL WATER		\$49,848
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$34,159
FUEL-IRRIGATION		\$8
REPAIRS		\$10,148
CUSTOM CHARGES		\$423,121
LAND TAXES		\$4,353
OTHER EXPENSES		\$37,792
TOTAL CASH EXPENSES		<u>\$750,740</u>
RETURN OVER CASH EXPENSES		\$273,521
FIXED EXPENSES		\$35,188
TOTAL EXPENSES		<u>\$785,928</u>
NET FARM INCOME		\$238,332
LABOR AND MANAGEMENT COSTS		\$85,056
NET OPERATING PROFIT		<u>\$153,276</u>
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$12,912
INTEREST ON EQUIPMENT INVESTMENT		\$17,421
TOTAL CAPITAL COSTS		<u>\$30,333</u>
RETURN TO LAND AND RISK		<u>\$122,943</u>
LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$3,000 /ACRE	\$77,943	9.11%
\$5,000 /ACRE	\$47,943	5.71%
\$7,000 /ACRE	\$17,943	4.16%
\$9,000 /ACRE	(\$12,057)	3.27%
\$11,000 /ACRE	(\$42,057)	2.70%

* 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)