

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... PORTALES VALLEY, ROOSEVELT COUN' Projected 2014
FARM SIZE..... 320.00 ACRES
IRRIGATION TYPE..... FLOOD
NUMBER OF CROPS..... 5

VERSION 1.0

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TABLE 1. Acreage Summary, Roosevelt County,
Projected 2014

BUDGET AREA.....	PORTALES VALLEY, ROOSEVELT COUNTY
FARM SIZE.....	320 ACRES
IRRIGATION TYPE.....	FLOOD
NUMBER OF CROPS...	5

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC.IN. PER AC.	TOTAL AC.IN.
WHEAT	68.00	25	1,700
ARP	0.00		
FLEX IN COTTON	12.00	15	180
CORN	51.00	38	1,938
ARP	0.00		
FLEX IN COTTON	9.00	15	135
GRAIN SORGHUM	51.00	20	1,020
ARP	0.00		
FLEX IN COTTON	9.00	15	135
COTTON	34.00	15	510
ARP	0.00		
FLEX IN COTTON	6.00	15	90
PEANUTS	60.00	24	1,440
ROADS, HOMESTEAD	20.00		
TOTAL	320.00		7,148
ACRE FEET PER ACRE OF WATER RIGHTS			1.86

TABLE 2. Basic cost information for the Portales Valley, Roosevelt County,
Projected 2014

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$8.55
General & Irrigators	\$/hour		\$7.50
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		\$0.50
Phosphate (P205)	\$/pound		\$0.40
Seed:			
Wheat	\$/pound		\$0.45
Corn	\$/bag		\$261.00
Grain Sorghum	\$/pound		\$1.31
Cotton	\$/pound		\$7.55
Peanuts	\$/pound		\$0.95
Energy:			
Natural gas (Gas NM)	\$/MCF		\$3.99
Diesel fuel	\$/gallon		\$4.00
Gasoline	\$/gallon		\$3.50
Electricity (SWPS)	cents/KwHr		11.68
LP Gas	\$/gallon		\$3.05
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		5.50%
Land Interest Rate	percent		5.00%
Equipment Interest Rate	percent		5.50%
Real Interest Rate	percent		3.00%
Land Taxes	\$89.00 /acre (full value)		\$0.55
Personal Property Tax Rate	- NR	\$/ \$1,000 (Assessed Value)	\$18.44
	- R		\$18.13
Supervision Factors			
Field Crop-Irrigation	\$/labor hour		\$1.00
Field Crop-Equipment & General	\$/labor hour		\$0.50
Management Rate	percent		7.00%

TABLE 3. Overhead cost information for the Portales Valley, Roosevelt County,
Projected 2014

Item			
Electricity (Domestic & Shop)		\$242.00 per month	\$2,904
Telephone		\$121.00 per month	\$1,452
Accounting & Legal			\$1,773
Misc. Supplies & Hand Tools			\$2,668
Pickup and Auto			
miles	24,926	@ \$0.500 per mile	\$12,463
Insurance			
- general liability (non-employee)			\$1,912
- fire/theft			\$1,513
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,452
Dues, fees, publications			\$436
Farmstead Equipment			\$182
		Total	\$32,763
		Total Per Planted Acre	\$109.21

TABLE 6. Wheat, flood-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2014
 Planting Dates: August 20 - September 15
 Harvest Dates: June 1 - June 25

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$7.00	50.00 BUSHEL		\$350.00
DIRECT PAYMENT	\$0.00	50.00 BUSHEL	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			\$0.00
GRAZING	\$40.00	1.00 ACRE		\$40.00
TOTAL				\$390.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.45	60 LBS	\$27.00		\$27.00
NITROGEN (N)	\$0.50	100 LBS	\$50.00		\$50.00
PHOSPHATE (P205)	\$0.40	40 LBS	\$16.00		\$16.00
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01		\$20.01
PUMP WATER*		25 AC. IN.			
CROP INSURANCE	\$0.74		\$0.74		\$0.74
SUBTOTAL			\$113.74		\$113.74

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
ROD WEEDER	126 HP	0.08 HR		\$0.68	\$2.31	\$0.38	\$0.95	\$4.32
PLOW	185 HP	0.48 HR		\$4.10	\$17.22	\$4.97	\$9.24	\$35.53
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
FERT SPREADER	126 HP	0.05 HR		\$0.43	\$1.44	\$0.20	\$0.41	\$2.48
DRILL	126 HP	0.18 HR		\$1.54	\$5.20	\$0.90	\$8.00	\$15.64
IRRIGATE (5X)		2.50 HR		\$18.75	\$58.78	\$0.00	\$2.53	\$80.06
SUBTOTAL		3.43 HR		\$26.70	\$89.97	\$7.72	\$23.80	\$148.19

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$20.20					\$20.20
HAUL (CUSTOM)			\$8.00					\$8.00
SUBTOTAL			\$28.20					\$28.20

OVERHEAD EXPENSES								
DOWNTIME		0.23 HR		\$1.99				\$1.99
EMPLOYEE BENEFITS				\$4.81				\$4.81
INSURANCE			\$0.53					\$0.53
LAND TAXES							\$0.55	\$0.55
SUPERVISION AND MANAGEMENT				\$30.27				\$30.27
OTHER EXPENSES			\$109.21					\$109.21
SUBTOTAL		0.23 HR	\$109.74	\$37.06			\$0.55	\$147.35

TOTAL OPERATING EXPENSES 3.66 HR \$251.69 \$63.76 \$89.97 \$7.72 \$24.35 \$437.48

NET OPERATING PROFIT (\$47.48)

INTEREST ON OPERATING CAPITAL (\$83.64 @ 5.50%) \$4.60
 INTEREST ON EQUIPMENT INVESTMENT \$9.80

RETURN TO LAND AND RISK (\$61.88)

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

GROSS RETURN		\$390.00	
VARIABLE OPERATING EXPENSES	\$349.37		
RETURN OVER VARIABLE EXPENSES		\$40.63	(GROSS MARGIN)
FIXED EXPENSES	\$24.35		
NET FARM INCOME		\$16.28	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$63.76		
NET OPERATING PROFIT		(\$47.48)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$14.40		
RETURN TO LAND AND RISK		(\$61.88)	

TABLE 7. Corn for grain, flood-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2014
 Planting Dates: April 15 - May 15
 Harvest Dates: November 1 - November 30

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
CORN FOR GRAIN	\$7.68	65.00 CWT		\$499.11
DIRECT PAYMENT	\$0.00	65.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$15.00	1.00 ACRE		\$15.00
TOTAL				\$514.11

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$3.26	28 000	\$91.35		\$91.35
NITROGEN (N)	\$0.50	150 LBS	\$75.00		\$75.00
PHOSPHATE (P205)	\$0.40	60 LBS	\$24.00		\$24.00
HERBICIDE	\$15.88	1 X/ACRE	\$15.88		\$15.88
INSECTICIDE (CUSTOM)	\$16.96	2 X/ACRE	\$33.92		\$33.92
PUMP WATER*		38 AC. IN.			
CROP INSURANCE	\$0.98		\$0.98		\$0.98
SUBTOTAL			\$241.14		\$241.14

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
PLOW	185 HP	0.48 HR		\$4.10	\$17.22	\$4.97	\$9.24	\$35.53
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
FERT SPREADER	126 HP	0.05 HR		\$0.43	\$1.44	\$0.20	\$0.41	\$2.48
SPRAY & DISC	185 HP	0.17 HR		\$1.45	\$6.10	\$1.66	\$4.08	\$13.29
LISTER	126 HP	0.12 HR		\$1.03	\$3.46	\$0.80	\$2.02	\$7.30
TRACK	126 HP	0.40 HR		\$3.42	\$11.55	\$1.59	\$3.30	\$19.86
PRE-IRRIGATE		0.75 HR		\$6.41	\$14.89	\$0.00	\$0.64	\$21.94
ROD WEED	185 HP	0.08 HR		\$0.68	\$2.87	\$0.49	\$1.52	\$5.57
PLANTER	185 HP	0.17 HR		\$1.45	\$6.10	\$1.26	\$6.39	\$15.20
CULTIVATOR (2X)	126 HP	0.26 HR		\$2.22	\$7.51	\$2.00	\$3.95	\$15.68
IRRIGATE (5X)		2.50 HR		\$18.75	\$74.45	\$0.00	\$3.21	\$96.41
SUBTOTAL		5.26 HR		\$42.35	\$155.63	\$15.52	\$40.09	\$253.58

HARVEST OPERATIONS								
COMBINE (CUSTOM)				\$22.75				\$22.75
HAUL (CUSTOM)				\$11.70				\$11.70
SUBTOTAL				\$34.45				\$34.45

OVERHEAD EXPENSES								
DOWNTIME		0.36 HR		\$3.06				\$3.06
EMPLOYEE BENEFITS				\$7.62				\$7.62
INSURANCE				\$0.85				\$0.85
LAND TAXES							\$0.55	\$0.55
SUPERVISION AND MANAGEMENT				\$39.33				\$39.33
OTHER EXPENSES				\$109.21				\$109.21
SUBTOTAL		0.36 HR		\$110.06	\$50.01		\$0.55	\$160.62

TOTAL OPERATING EXPENSES 5.62 HR \$385.64 \$92.36 \$155.63 \$15.52 \$40.63 \$689.78

NET OPERATING PROFIT (\$175.68)

INTEREST ON OPERATING CAPITAL (\$166.23 @ 5.50%) \$9.14
 INTEREST ON EQUIPMENT INVESTMENT \$17.94

RETURN TO LAND AND RISK (\$202.76)

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

BUDGET SUMMARY

GROSS RETURN		\$514.11	
VARIABLE OPERATING EXPENSES	\$556.79		
RETURN OVER VARIABLE EXPENSES		(\$42.68)	(GROSS MARGIN)
FIXED EXPENSES	\$40.63		
NET FARM INCOME		(\$83.32)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$92.36		
NET OPERATING PROFIT		(\$175.68)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$27.08		
RETURN TO LAND AND RISK		(\$202.76)	

TABLE 8. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2014
 Planting Dates: May 15 - June 10
 Harvest Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
GRAIN SORGHUM	\$7.06	55.00 CWT		\$388.54
DIRECT PAYMENT	\$0.00	55.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$9.00	1.00 ACRE		\$9.00
TOTAL				\$397.54

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.31	6 LBS	\$7.86		\$7.86
NITROGEN (N)	\$0.50	100 LBS	\$50.00		\$50.00
PHOSPHATE (P205)	\$0.40	40 LBS	\$16.00		\$16.00
HERBICIDE	\$15.88	1 ACRE	\$15.88		\$15.88
INSECTICIDE (CUSTOM)	\$20.01	1 ACRE	\$20.01		\$20.01
PUMP WATER*		20 AC. IN.			
CROP INSURANCE	\$0.98		\$0.98		\$0.98
SUBTOTAL			\$110.73		\$110.73

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
PLOW	185 HP	0.48 HR		\$4.10	\$17.22	\$4.97	\$9.24	\$35.53
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
FERT SPREADER	126 HP	0.05 HR		\$0.43	\$1.44	\$0.20	\$0.41	\$2.48
DISC & SPRAY	185 HP	0.17 HR		\$1.45	\$6.10	\$1.66	\$4.08	\$13.29
LISTER	126 HP	0.12 HR		\$1.03	\$3.46	\$0.80	\$2.02	\$7.30
TRACK	126 HP	0.40 HR		\$3.42	\$11.55	\$1.59	\$3.30	\$19.86
PRE-IRRIGATE		0.75 HR		\$5.63	\$11.76	\$0.00	\$0.51	\$17.89
ROD WEED	126 HP	0.08 HR		\$0.68	\$2.31	\$0.38	\$0.95	\$4.32
PLANTER	185 HP	0.17 HR		\$1.45	\$6.10	\$1.26	\$6.39	\$15.20
CULTIVATOR (2X)	126 HP	0.26 HR		\$2.22	\$7.51	\$2.00	\$3.95	\$15.68
IRRIGATE (3X)		1.50 HR		\$11.25	\$35.27	\$0.00	\$1.52	\$48.04
SUBTOTAL		4.26 HR		\$34.06	\$112.75	\$15.40	\$37.69	\$199.91

HARVEST OPERATIONS								
COMBINE (CUSTOM)				\$26.18				\$26.18
HAUL (CUSTOM)				\$10.45				\$10.45
SUBTOTAL				\$36.63				\$36.63

OVERHEAD EXPENSES								
DOWNTIME		0.66 HR		\$5.60				\$5.60
EMPLOYEE BENEFITS				\$6.13				\$6.13
INSURANCE				\$0.68				\$0.68
LAND TAXES							\$0.55	\$0.55
SUPERVISION AND MANAGEMENT				\$30.64				\$30.64
OTHER EXPENSES				\$109.21				\$109.21
SUBTOTAL		0.66 HR		\$109.89	\$42.37		\$0.55	\$152.81

TOTAL OPERATING EXPENSES		4.92 HR		\$257.26	\$76.43	\$112.75	\$15.40	\$38.24	\$500.08
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NET OPERATING PROFIT									(\$102.54)
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INTEREST ON OPERATING CAPITAL	(\$90.46	@	5.50%)				\$4.98
INTEREST ON EQUIPMENT INVESTMENT									\$16.71

RETURN TO LAND AND RISK									(\$124.23)
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* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$397.54			
VARIABLE OPERATING EXPENSES	\$385.41				
RETURN OVER VARIABLE EXPENSES	\$12.13	(GROSS MARGIN)			
FIXED EXPENSES	\$38.24				
NET FARM INCOME		(\$26.11)	(RETURN TO CAPITAL, LABOR, LAND & RISK)		
LABOR AND MANAGEMENT COST	\$76.43				
NET OPERATING PROFIT		(\$102.54)	(RETURN TO CAPITAL, LAND & RISK)		
CAPITAL COSTS	\$21.68				
RETURN TO LAND AND RISK		(\$124.23)			

TABLE 9. Upland cotton (stripper), flood-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2014
 Planting Dates: May 1 - May 15
 Harvest Dates: November 15 - December 30

ITEM	PRICE	YIELD	BASE					TOTAL	
GROSS RETURNS									
LINT	\$0.85	500.00 LBS						\$425.00	
SEED	\$0.09	800 LBS						\$72.00	
DIRECT PAYMENT	\$0.0000	500.00 LBS	0.85					\$0.00	
COUNTER CYCLICAL PAYMENT	\$0.1373	500.00 LBS	0.85					\$58.35	
TOTAL								\$555.35	
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$7.55	25 LB	\$188.75						\$188.75
NITROGEN (N)	\$0.50	80 LB	\$40.00						\$40.00
PHOSPHATE (P205)	\$0.40	60 LB	\$24.00						\$24.00
HERBICIDE	\$15.88	1 X/ACRE	\$15.88						\$15.88
INSECTICIDE	\$10.28	1 X/ACRE	\$10.28						\$10.28
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01						\$20.01
PUMP WATER*		15 AC. IN.							
CROP INSURANCE	\$0.71		\$0.71						\$0.71
SUBTOTAL			\$299.63						\$299.63
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16	
PLOW	185 HP	0.48 HR		\$4.10	\$17.22	\$4.97	\$9.24	\$35.53	
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16	
FERT SPREADER	126 HP	0.05 HR		\$0.43	\$1.44	\$0.20	\$0.41	\$2.48	
DISC & SPRAY	185 HP	0.17 HR		\$1.45	\$6.10	\$1.66	\$4.08	\$13.29	
LISTER	126 HP	0.12 HR		\$1.03	\$3.46	\$0.80	\$2.02	\$7.30	
TRACK	126 HP	0.40 HR		\$3.42	\$11.55	\$1.59	\$3.30	\$19.86	
PRE-IRRIGATE		0.75 HR		\$5.63	\$11.76	\$0.00	\$0.51	\$17.89	
ROD WEED	126 HP	0.08 HR		\$0.68	\$2.31	\$0.38	\$0.95	\$4.32	
PLANTER	185 HP	0.17 HR		\$1.45	\$6.10	\$1.26	\$6.39	\$15.20	
CULTIVATOR (2X)	126 HP	0.26 HR		\$2.22	\$7.51	\$2.00	\$3.95	\$15.68	
HAND HOE (CUSTOM)			\$10.00					\$10.00	
IRRIGATE (2X)		1.00 HR		\$7.50	\$23.51	\$0.00	\$1.01	\$32.02	
SUBTOTAL		3.76 HR	\$10.00	\$30.31	\$100.99	\$15.40	\$37.19	\$193.90	
HARVEST OPERATIONS									
COTTON STRIPPER MTD	126 HP	0.62 HR		\$5.30	\$22.24	\$3.91	\$20.99	\$52.44	
HAUL	126 HP	0.75 HR		\$6.41	\$21.65	\$3.01	\$9.83	\$40.91	
GIN COTTON (CUSTOM)			\$82.70					\$82.70	
SUBTOTAL		1.37 HR	\$82.70	\$11.71	\$43.89	\$6.92	\$30.81	\$176.04	
POSTHARVEST OPERATIONS									
SHREDDER	126 HP	0.14 HR		\$1.20	\$4.04	\$0.61	\$6.14	\$11.99	
OVERHEAD EXPENSES									
DOWNTIME		0.92 HR		\$7.84				\$7.84	
EMPLOYEE BENEFITS				\$7.78				\$7.78	
INSURANCE			\$0.86					\$0.86	
LAND TAXES							\$0.55	\$0.55	
SUPERVISION AND MANAGEMENT				\$41.77				\$41.77	
OTHER EXPENSES			\$109.21					\$109.21	
SUBTOTAL		0.92 HR	\$110.07	\$57.39			\$0.55	\$168.02	
TOTAL OPERATING EXPENSES		6.19 HR	\$502.41	\$100.62	\$148.93	\$22.94	\$74.69	\$849.58	
NET OPERATING PROFIT								(\$294.22)	
INTEREST ON OPERATING CAPITAL		(\$191.21 @ 5.50%)						\$10.52	
INTEREST ON EQUIPMENT INVESTMENT								\$32.26	
RETURN TO LAND AND RISK								(\$337.00)	

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

BUDGET SUMMARY

GROSS RETURN		\$555.35	
VARIABLE OPERATING EXPENSES	\$674.28		
RETURN OVER VARIABLE EXPENSES		(\$118.92)	(GROSS MARGIN)
FIXED EXPENSES	\$74.69		
NET FARM INCOME		(\$193.61)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$100.62		
NET OPERATING PROFIT		(\$294.22)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$42.77		
RETURN TO LAND AND RISK		(\$337.00)	

TABLE 10. Peanuts, flood-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2014
 Planting Dates: May 10 - June 10
 Harvest Dates: October 10 - November 10

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
PEANUTS	\$0.15	2,600.00 LBS	\$393.90
TOTAL			\$393.90

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.95	100 LB	\$95.00		\$95.00
NITROGEN (N)	\$0.50	50 LB	\$25.00		\$25.00
PHOSPHATE (P205)	\$0.40	80 LB	\$32.00		\$32.00
HERBICIDE	\$16.96	1 X/ACRE	\$16.96		\$16.96
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01		\$20.01
FUNGICIDE	\$37.67	1 X/ACRE	\$37.67		\$37.67
TRACE ELEMENTS	\$11.92	1 X/ACRE	\$11.92		\$11.92
PUMP WATER*		24 AC. IN.			
SUBTOTAL			\$238.55		\$238.55

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
PLOW	185 HP	0.48 HR		\$4.10	\$17.22	\$4.97	\$9.24	\$35.53
DISC	185 HP	0.14 HR		\$1.20	\$5.02	\$1.27	\$2.67	\$10.16
FERT SPREADER	126 HP	0.05 HR		\$0.43	\$1.44	\$0.20	\$0.41	\$2.48
SPRAY & DISC	185 HP	0.17 HR		\$1.45	\$6.10	\$1.66	\$4.08	\$13.29
LISTER	126 HP	0.12 HR		\$1.03	\$3.46	\$0.80	\$2.02	\$7.30
TRACK	126 HP	0.40 HR		\$3.42	\$11.55	\$1.59	\$3.30	\$19.86
PRE-IRRIGATE		0.75 HR		\$5.63	\$14.11	\$0.00	\$0.61	\$20.34
LISTER	126 HP	0.12 HR		\$1.03	\$3.46	\$0.80	\$2.02	\$7.30
ROD WEEDER	126 HP	0.08 HR		\$0.68	\$2.31	\$0.38	\$0.95	\$4.32
PLANTER	185 HP	0.17 HR		\$1.45	\$6.10	\$1.26	\$6.39	\$15.20
CULTIVATOR (2X)	126 HP	0.26 HR		\$2.22	\$7.51	\$2.00	\$3.95	\$15.68
HAND HOE (CUSTOM)			\$12.00					\$12.00
IRRIGATE (3X)		1.50 HR		\$11.25	\$42.32	\$0.00	\$1.82	\$55.39
SUBTOTAL		4.38 HR	\$12.00	\$35.09	\$125.62	\$16.20	\$40.12	\$229.02

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DIG AND INVERT	185 HP	0.24 HR		\$2.05	\$8.61	\$1.30	\$5.14	\$17.10
COMBINE PEANUTS	185 HP	0.80 HR		\$6.84	\$28.69	\$5.24	\$79.71	\$120.48
HAUL	126 HP	0.80 HR		\$6.84	\$23.10	\$3.29	\$14.74	\$47.96
SUBTOTAL		1.84 HR	\$0.00	\$15.73	\$60.40	\$9.82	\$99.59	\$185.55

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.81 HR		\$6.90				\$6.90
EMPLOYEE BENEFITS			\$9.15				\$9.15
INSURANCE		\$1.02					\$1.02
LAND TAXES						\$0.55	\$0.55
SUPERVISION AND MANAGEMENT			\$33.03				\$33.03
OTHER EXPENSES		\$109.21					\$109.21
SUBTOTAL	0.81 HR	\$110.23	\$49.08			\$0.55	\$159.86

TOTAL OPERATING EXPENSES	7.03 HR	\$360.78	\$99.90	\$186.02	\$26.03	\$140.26	\$812.98
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NET OPERATING PROFIT							(\$419.08)
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INTEREST ON OPERATING CAPITAL	(\$160.58 @ 5.50%)						\$8.83
INTEREST ON EQUIPMENT INVESTMENT							\$58.89

RETURN TO LAND AND RISK							(\$486.80)
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* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$393.90		
VARIABLE OPERATING EXPENSES	\$572.82			
RETURN OVER VARIABLE EXPENSES		(\$178.92)	(GROSS MARGIN)	
FIXED EXPENSES	\$140.26			
NET FARM INCOME		(\$319.18)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$99.90			
NET OPERATING PROFIT		(\$419.08)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$67.72			
RETURN TO LAND AND RISK		(\$486.80)		

TABLE 11. Summary of per acre costs and returns for a 320 acre farm with above average management, Roosevelt County, New Mexico, Projected 2014

	WHEAT	CORN	GRAIN SORGHUM	STRIPPER COTTON	PEANUTS
	BU	CWT	CWT	LBS	LBS
PRIMARY YIELD	50.00	65.00	55.00	500.00	2,600.00
PRIMARY PRICE	\$7.00	\$7.68	\$7.06	\$0.85	\$0.15
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$40.00	\$15.00	\$9.00	\$72.00	\$0.00
GROSS RETURN	\$390.00	\$514.11	\$397.54	\$555.35	\$393.90
CASH OPERATING EXPENSES					
SEED	\$27.00	\$91.35	\$7.86	\$188.75	\$95.00
FERTILIZER	\$66.00	\$99.00	\$66.00	\$64.00	\$57.00
CHEMICALS	\$20.01	\$49.80	\$35.89	\$46.17	\$74.64
CROP INSURANCE	\$0.74	\$0.98	\$0.98	\$0.71	
OTHER PURCHASED INPUTS					\$11.92
CANAL WATER					
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$31.19	\$66.29	\$65.73	\$113.66	\$129.59
FUEL-IRRIGATION	\$58.78	\$89.35	\$47.02	\$35.27	\$56.43
REPAIRS	\$7.72	\$15.52	\$15.40	\$22.94	\$26.03
CUSTOM CHARGES	\$28.20	\$34.45	\$36.63	\$92.70	\$12.00
LAND TAXES	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55
OTHER EXPENSES	\$109.74	\$110.06	\$109.89	\$110.07	\$110.23
TOTAL CASH EXPENSES	\$349.92	\$557.34	\$385.96	\$674.82	\$573.37
RETURN OVER CASH EXPENSES	\$40.08	(\$43.23)	\$11.58	(\$119.47)	(\$179.47)
FIXED EXPENSES	\$23.80	\$40.09	\$37.69	\$74.14	\$139.71
TOTAL EXPENSES	\$373.72	\$597.42	\$423.65	\$748.96	\$713.08
NET FARM INCOME	\$16.28	(\$83.32)	(\$26.11)	(\$193.61)	(\$319.18)
LABOR AND MANAGEMENT COSTS	\$63.76	\$92.36	\$76.43	\$100.62	\$99.90
NET OPERATING PROFIT	(\$47.48)	(\$175.68)	(\$102.54)	(\$294.22)	(\$419.08)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL	\$4.60	\$9.14	\$4.98	\$10.52	\$8.83
INTEREST ON EQUIPMENT INVESTMENT	\$9.80	\$17.94	\$16.71	\$32.26	\$58.89
TOTAL CAPITAL COSTS	\$14.40	\$27.08	\$21.68	\$42.77	\$67.72
RETURN TO LAND AND RISK	(\$61.88)	(\$202.76)	(\$124.23)	(\$337.00)	(\$486.80)
Flex Computation	-28.28	-144.73	-69.83	-230.60	-288.21

TABLE 12. Whole farm summary, Portales Valley, Roosevelt County,
Projected 2014

GROSS RETURNS		
WHEAT	68.00 ACRES	
CROP		\$23,800
GRAZING		\$2,720
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
CORN FOR GRAIN	51.00 ACRES	
CROP		\$25,454
GRAZING		\$765
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	51.00 ACRES	
CROP		\$19,815
GRAZING		\$459
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
UPLAND COTTON	70.00 ACRES	
LINT		\$29,750
SEED		\$5,040
DIRECT PAYMENT		\$0
PEANUTS	60.00 ACRES	
CROP		\$23,634
GROSS RETURN		<u>\$131,438</u>
CASH OPERATING EXPENSES		
SEED		\$25,808
FERTILIZER		\$20,803
CHEMICALS		\$13,441
CROP INSURANCE		\$200
OTHER PURCHASED INPUTS		\$715
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$24,585
FUEL-IRRIGATION		\$16,806
REPAIRS		\$5,269
CUSTOM CHARGES		\$12,752
LAND TAXES		\$164
OTHER EXPENSES		\$32,999
TOTAL CASH EXPENSES		<u>\$153,542</u>
RETURN OVER CASH EXPENSES		(\$22,105)
FIXED EXPENSES		\$19,158
TOTAL EXPENSES		\$172,700
NET FARM INCOME		(\$41,262)
LABOR AND MANAGEMENT COSTS		\$25,981
NET OPERATING PROFIT		(\$67,243)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$2,299
INTEREST ON EQUIPMENT INVESTMENT		\$8,224
TOTAL CAPITAL COSTS		<u>\$10,523</u>
RETURN TO LAND AND RISK		<u>(\$77,766)</u>
LAND VALUE		
	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$82,566)	-22.07%
\$750 /ACRE	(\$84,966)	-17.48%
\$1,000 /ACRE	(\$87,366)	-14.47%
\$1,250 /ACRE	(\$89,766)	-12.34%
\$1,500 /ACRE	(\$92,166)	-10.76%
\$1,750 /ACRE	(\$94,566)	-9.54%
\$2,000 /ACRE	(\$96,966)	-8.57%

* 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)