

TABLE 1. Acreage Summary, Roosevelt County, Projected 2005.

BUDGET AREA..... PORTALES VALLEY, ROOSEVELT COUNTY			
FARM SIZE..... 320 ACRES			
IRRIGATION TYPE..... SPRINKLER			
NUMBER OF CROPS... 4			
WATER USE			
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
WHEAT	53.55	18	964
ARP	0.00		
FLEX IN WHEAT	9.45	18	170
CORN	52.70	30	1,581
ARP	0.00		
FLEX IN WHEAT	9.30	18	167
GRAIN SORGHUM	52.70	20	1,054
ARP	0.00		
FLEX IN WHEAT	9.30	18	167
PEANUTS	63.00	22	1,386
CORNERS, ROADS, HOMESTEAD	70.00		
<b>TOTAL</b>	<b>320.00</b>		<b>5,490</b>
ACRE FEET PER ACRE OF WATER RIGHTS			1.43

TABLE 2. Basic cost information for the Portales Valley, Roosevelt County, Projected 2005.

Item			
<b>Labor Wage Rate:</b>			
Equipment operators	\$/hour		\$7.45
General & Irrigators	\$/hour		\$6.65
<b>Purchased Inputs:</b>			
<b>Fertilizer:</b>			
Nitrogen (N)	\$/pound		\$0.40
Phosphate (P205)	\$/pound		\$0.31
<b>Seed:</b>			
Wheat	\$/pound		\$0.24
Corn	\$/bag		\$85.00
Grain Sorghum	\$/pound		\$1.23
Peanuts	\$/pound		\$0.40
<b>Energy:</b>			
Natural gas (Gas NM)	\$/MCF		\$3.27
Diesel fuel	\$/gallon		\$2.10
Gasoline	\$/gallon		\$2.00
Electricity (SWPS)	cents/KwHr		7.37
LP Gas	\$/gallon		\$1.70
Employee Liability Insurance	\$/ \$1,000 wages		\$20.00
Employee Benefits	percent/wages		18.00%
Labor Downtime	percent		25.00%
<b>Financial Rates:</b>			
Operating Capital Interest Rate	percent		7.00%
Land Interest Rate	percent		7.00%
Equipment Interest Rate	percent		7.00%
Real Interest Rate	percent		3.00%
Land Taxes	\$89.00 /acre (full value)		\$0.53
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value)	\$18.03 \$13.80
Supervision Factor	\$/labor hour		\$0.50
Management Rate	percent		7.00%

TABLE 3. Overhead cost information for the Portales Valley, Roosevelt County, Projected 2005.

Item			
Electricity (Domestic & Shop)		\$215.00 per month	\$2,580
Telephone		\$115.00 per month	\$1,380
Accounting & Legal			\$1,525
Misc. Supplies & Hand Tools			\$1,430
Pickup and Auto			
miles	20,021	@ \$0.365 per mile	\$7,308
<b>Insurance</b>			
- general liability (non-employee)			\$1,710
- fire/theft			\$1,525
<b>Property Taxes</b>			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,290
Dues, fees, publications			\$405
Farmstead Equipment			\$185
Total			\$25,348
Total Per Planted Acre			\$103.33

TABLE 4. Pumping costs and data for irrigation wells, Portales Valley, Roosevelt County, Projected 2005.

INPUT DATA			
DELIVERY PSI:		DEPTH CHARACTERISTICS:	
SPRINKLER	40	STATIC.....	80
		DRAW DOWN.....	20
		TOTAL HEAD.....	100
		CASING.....	120
GALLONS PER MINUTE (GPM)	400		
WORK HORSEPOWER	19		
EFFICIENCY FACTOR:			
ELECTRICITY	0.430		
NATURAL GAS	0.126		
LP GAS	0.126		
DIESEL	0.130		
FUEL COST PER HOUR:			
ELECTRICITY	7.37	CENTS/KwHr	
NATURAL GAS	\$3.27	\$/MCF	
LP GAS	\$1.70	\$/GAL	
DIESEL	\$2.10	\$/GAL	
PUMPING COSTS			
ELECTRIC WELL:			
COST PER HOUR		\$2.52	
COST PER ACRE INCH		\$2.85	
NATURAL AS WELL:			
COST PER HOUR		\$1.44	
COST PER ACRE INCH		\$1.63	
LP GAS WELL:			
COST PER HOUR		\$7.29	
COST PER ACRE INCH		\$8.25	
DIESEL WELL:			
COST PER HOUR		\$5.67	
COST PER ACRE INCH		\$6.41	

TABLE 5. Equipment summary for a 320 acre, sprinkler-irrigated farm with above average management, Portales Valley, Projected 2005.

EQUIPMENT					VARIABLE COSTS				FIXED COSTS		
ITEM & SIZE		ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL, LUBRICANT	REPAIR	FUEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR
TRACTOR	126 HP	150	1	\$19,725	\$2,475	\$460	\$16.50	\$3.06	\$2,043	\$153	\$14.64
TRACTOR	185 HP	274	1	\$44,016	\$5,952	\$1,583	\$21.75	\$5.79	\$6,428	\$290	\$24.55
PLANTER	6 ROW	29	1	\$4,250		\$58		\$2.04	\$850	\$26	\$30.58
CULTIVATOR	6 ROW	44	1	\$2,500		\$136		\$3.10	\$333	\$15	\$7.96
DISC	14 FT	99	1	\$3,000		\$367		\$3.72	\$400	\$18	\$4.24
DRILL	13 FT	15	1	\$2,150		\$15		\$1.03	\$430	\$13	\$30.16
LISTER	6 ROW	20	1	\$2,150		\$54		\$2.67	\$287	\$13	\$14.83
PLOW (MOLDBOARD)	4-14 IN	81	1	\$4,000		\$401		\$4.96	\$533	\$24	\$6.90
SPRAYER (MTD)		29	1	\$1,400		\$19		\$0.67	\$187	\$8	\$6.81
DIG AND INVERT	2 ROW	15	1	\$625		\$0		\$0.03	\$83	\$4	\$5.76
ROD WEEDER	6 ROW	8	1	\$625		\$7		\$0.78	\$83	\$4	\$10.33
FERT SPREADER	DEALER FURNISHED	13	1								
PEANUT THRASHER		50	1	\$29,000		\$58		\$1.16	\$3,867	\$174	\$80.18
PEANUT TRAILER		50	1	\$3,500		\$7		\$0.14	\$467	\$21	\$9.68
CENTER PIVOT SPRINKLER		6,211	1	\$15,000	\$0	\$0	\$0.00	\$0.00	\$2,000	\$90	\$0.34
ELECTRIC WELL		6,211	1	\$8,400	\$15,628	\$0	\$2.52	\$0.00	\$672	\$50	\$0.12
				\$140,340	\$24,055	\$3,165			\$18,663	\$904	

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2005.  
 Planting Dates: August 20 - September 15  
 Harvest Dates: June 1 - June 25

ITEM	PRICE	YIELD	BASE						TOTAL
<b>GROSS RETURNS</b>									
WHEAT	\$3.75	60.00 BUSHELS							\$225.00
DIRECT PAYMENT	\$0.00	60.00 BUSHELS	0.85						\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00								\$0.00
GRAZING	\$40.00	1.00 ACRE							\$40.00
<b>TOTAL</b>									<b>\$265.00</b>
<b>PURCHASED INPUTS</b>									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
SEED	\$0.24	60 LBS	\$14.40						\$14.40
NITROGEN (N)	\$0.40	120 LBS	\$48.00						\$48.00
PHOSPHATE (P205)	\$0.31	40 LBS	\$12.40						\$12.40
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01						\$20.01
PUMP WATER*		18 AC. IN.							
CROP INSURANCE	\$0.61		\$0.61						\$0.61
<b>SUBTOTAL</b>									<b>\$95.42</b>
<b>PREHARVEST OPERATIONS</b>									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC (2X)	185 HP	0.28 HR		\$2.09	\$6.09	\$2.66	\$8.06		\$18.90
FERT SPREADER	126 HP	0.05 HR		\$0.37	\$0.82	\$0.15	\$0.73		\$2.08
DRILL	126 HP	0.18 HR		\$1.34	\$2.97	\$0.74	\$8.06		\$13.11
IRRIGATE (6X)		0.60 HR		\$3.99	\$51.24	\$0.00	\$9.22		\$64.45
<b>SUBTOTAL</b>		<b>1.11 HR</b>		<b>\$7.79</b>	<b>\$61.13</b>	<b>\$3.55</b>	<b>\$26.08</b>		<b>\$98.55</b>
<b>HARVEST OPERATIONS</b>									
COMBINE (CUSTOM)			\$22.30						\$22.30
HAUL (CUSTOM)			\$9.60						\$9.60
<b>SUBTOTAL</b>			<b>\$31.90</b>						<b>\$31.90</b>
<b>OVERHEAD EXPENSES</b>									
DOWNTIME		0.13 HR		\$0.95					\$0.95
EMPLOYEE BENEFITS				\$1.40					\$1.40
INSURANCE			\$0.16						\$0.16
LAND TAXES							\$0.53		\$0.53
SUPERVISION AND MANAGEMENT				\$19.11					\$19.11
OTHER EXPENSES			\$103.33						\$103.33
<b>SUBTOTAL</b>		<b>0.13 HR</b>	<b>\$103.49</b>	<b>\$21.46</b>			<b>\$0.53</b>		<b>\$125.48</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>1.24 HR</b>	<b>\$230.81</b>	<b>\$29.25</b>	<b>\$61.13</b>	<b>\$3.55</b>	<b>\$26.61</b>		<b>\$351.35</b>
<b>NET OPERATING PROFIT</b>									<b>(\$86.35)</b>
INTEREST ON OPERATING CAPITAL		( \$66.54 @	7.00%	)					\$4.66
INTEREST ON EQUIPMENT INVESTMENT									\$14.01
<b>RETURN TO LAND AND RISK</b>									<b>(\$105.01)</b>

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

**BUDGET SUMMARY**

GROSS RETURN		\$265.00	
VARIABLE OPERATING EXPENSES	\$295.49		
RETURN OVER VARIABLE EXPENSES		(\$30.49)	(GROSS MARGIN)
FIXED EXPENSES	\$26.61		
NET FARM INCOME		(\$57.10)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$29.25		
NET OPERATING PROFIT		(\$86.35)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$18.66		
RETURN TO LAND AND RISK		(\$105.01)	

TABLE 7. Corn for grain, sprinkler-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County Projected 2005.  
 Planting Dates: April 25 - May 30  
 Harvest Dates: November 1 - November 30

ITEM	PRICE	YIELD	BASE	TOTAL
<b>GROSS RETURNS</b>				
CORN FOR GRAIN	\$4.02	70.00 CWT		\$281.25
DIRECT PAYMENT	\$0.00	70.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$15.00	1.00 ACRE		\$15.00
<b>TOTAL</b>				<b>\$296.25</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.06	28 000	\$29.75		\$29.75
NITROGEN (N)	\$0.40	150 LBS	\$60.00		\$60.00
PHOSPHATE (P205)	\$0.31	60 LBS	\$18.60		\$18.60
HERBICIDE	\$16.96	1 X/ACRE	\$16.96		\$16.96
INSECTICIDE (CUSTOM)	\$20.01	2 X/ACRE	\$40.01		\$40.01
PUMP WATER*		30 AC. IN.			
CROP INSURANCE	\$0.95		\$0.95		\$0.95
<b>SUBTOTAL</b>			<b>\$166.27</b>		<b>\$166.27</b>

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.04	\$3.05	\$1.33	\$4.03	\$9.45
PLOW	185 HP	0.48 HR		\$3.58	\$10.44	\$5.16	\$15.09	\$34.27
DISC	185 HP	0.14 HR		\$1.04	\$3.05	\$1.33	\$4.03	\$9.45
FERT SPREADER	126 HP	0.05 HR		\$0.37	\$0.82	\$0.15	\$0.73	\$2.08
SPRAY & DISC	185 HP	0.17 HR		\$1.27	\$3.70	\$1.73	\$6.05	\$12.75
PRE-IRRIGATE		0.10 HR		\$0.67	\$6.57	\$0.00	\$1.18	\$8.42
LISTER	126 HP	0.12 HR		\$0.89	\$1.98	\$0.69	\$3.54	\$7.10
ROD WEED	126 HP	0.08 HR		\$0.60	\$1.32	\$0.31	\$2.00	\$4.22
PLANT ER	185 HP	0.17 HR		\$1.27	\$3.70	\$1.33	\$9.37	\$15.67
CULTIVATOR (2X)	126 HP	0.26 HR		\$1.94	\$4.29	\$1.60	\$5.87	\$13.70
IRRIGATE (12X)		1.20 HR		\$7.98	\$78.83	\$0.00	\$14.19	\$101.00
<b>SUBTOTAL</b>		<b>2.91 HR</b>		<b>\$20.64</b>	<b>\$117.75</b>	<b>\$13.63</b>	<b>\$66.09</b>	<b>\$218.11</b>

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$24.50					\$24.50
HAUL (CUSTOM)			\$12.60					\$12.60
<b>SUBTOTAL</b>			<b>\$37.10</b>					<b>\$37.10</b>

OVERHEAD EXPENSES								
DOWNTIME		0.20 HR		\$1.45				\$1.45
EMPLOYEE BENEFITS				\$3.72				\$3.72
INSURANCE			\$0.41					\$0.41
LAND TAXES						\$0.53		\$0.53
SUPERVISION AND MANAGEMENT				\$21.86				\$21.86
OTHER EXPENSES			\$103.33					\$103.33
<b>SUBTOTAL</b>		<b>0.20 HR</b>		<b>\$103.75</b>	<b>\$27.03</b>		<b>\$0.53</b>	<b>\$131.31</b>

<b>TOTAL OPERATING EXPENSES</b>		<b>3.11 HR</b>		<b>\$307.12</b>	<b>\$47.66</b>	<b>\$117.75</b>	<b>\$13.63</b>	<b>\$66.63</b>	<b>\$552.79</b>
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<b>NET OPERATING PROFIT</b>									<b>(\$256.54)</b>
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INTEREST ON OPERATING CAPITAL	(	\$119.07	@	7.00%	)				\$8.34
INTEREST ON EQUIPMENT INVESTMENT									\$35.91

<b>RETURN TO LAND AND RISK</b>									<b>(\$300.78)</b>
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\* Pump water costs are shown under irrigation in the preharvest operations section  
**BUDGET SUMMARY**

GROSS RETURN		\$296.25			
VARIABLE OPERATING EXPENSES	\$438.49				
RETURN OVER VARIABLE EXPENSES		(\$142.24)	(GROSS MARGIN)		
FIXED EXPENSES	\$66.63				
NET FARM INCOME		(\$208.87)	(RETURN TO CAPITAL, LABOR, LAND & RISK)		
LABOR AND MANAGEMENT COST	\$47.66				
NET OPERATING PROFIT		(\$256.54)	(RETURN TO CAPITAL, LAND & RISK)		
CAPITAL COSTS	\$44.25				
RETURN TO LAND AND RISK		(\$300.78)			

TABLE 8. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County  
 Projected 2005.  
 Planting Dates: May 15 - June 10  
 Harvest Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
<b>GROSS RETURNS</b>				
GRAIN SORGHUM	\$3.70	65.00 CWT		\$240.27
DIRECT PAYMENT	\$0.00	65.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$9.00	1.00 ACRE		\$9.00
<b>TOTAL</b>				<b>\$249.27</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.23	6 LBS	\$7.38		\$7.38
NITROGEN (N)	\$0.40	150 LBS	\$60.00		\$60.00
PHOSPHATE (P205)	\$0.31	40 LBS	\$12.40		\$12.40
HERBICIDE	\$16.96	1 ACRE	\$16.96		\$16.96
INSECTICIDE (CUSTOM)	\$20.01	1 ACRE	\$20.01		\$20.01
PUMP WATER*		20 AC. IN.			
CROP INSURANCE	\$0.95		\$0.95		\$0.95
<b>SUBTOTAL</b>			<b>\$117.70</b>		<b>\$117.70</b>

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.04	\$3.05	\$1.33	\$4.03	\$9.45
PLOW	185 HP	0.48 HR		\$3.58	\$10.44	\$5.16	\$15.09	\$34.27
DISC	185 HP	0.14 HR		\$1.04	\$3.05	\$1.33	\$4.03	\$9.45
FERT SPREADER	126 HP	0.05 HR		\$0.37	\$0.82	\$0.15	\$0.73	\$2.08
DISC & SPRAY	185 HP	0.17 HR		\$1.27	\$3.70	\$1.73	\$6.05	\$12.75
LISTER	126 HP	0.12 HR		\$0.89	\$1.98	\$0.69	\$3.54	\$7.10
PRE-IRRIGATE		0.10 HR		\$0.67	\$5.18	\$0.00	\$0.93	\$6.77
ROD WEED	126 HP	0.08 HR		\$0.60	\$1.32	\$0.31	\$2.00	\$4.22
PLANTER	185 HP	0.17 HR		\$1.27	\$3.70	\$1.33	\$9.37	\$15.67
CULTIVATOR (2X)	126 HP	0.26 HR		\$1.94	\$4.29	\$1.60	\$5.87	\$13.70
IRRIGATE (10X)		1.00 HR		\$6.65	\$51.76	\$0.00	\$9.32	\$67.73
<b>SUBTOTAL</b>		<b>2.71 HR</b>		<b>\$19.31</b>	<b>\$89.28</b>	<b>\$13.63</b>	<b>\$60.97</b>	<b>\$183.19</b>

HARVEST OPERATIONS								
COMBINE (CUSTOM)				\$29.28				\$29.28
HAUL (CUSTOM)				\$12.35				\$12.35
<b>SUBTOTAL</b>				<b>\$41.63</b>				<b>\$41.63</b>

OVERHEAD EXPENSES								
DOWNTIME		0.39 HR		\$2.92				\$2.92
EMPLOYEE BENEFITS				\$3.48				\$3.48
INSURANCE			\$0.39					\$0.39
LAND TAXES						\$0.53		\$0.53
SUPERVISION AND MANAGEMENT				\$18.73				\$18.73
OTHER EXPENSES			\$103.33					\$103.33
<b>SUBTOTAL</b>		<b>0.39 HR</b>		<b>\$103.72</b>	<b>\$25.13</b>		<b>\$0.53</b>	<b>\$129.39</b>

<b>TOTAL OPERATING EXPENSES</b>		<b>3.10 HR</b>		<b>\$263.05</b>	<b>\$44.44</b>	<b>\$89.28</b>	<b>\$13.63</b>	<b>\$61.50</b>	<b>\$471.90</b>
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<b>NET OPERATING PROFIT</b>									<b>(\$222.63)</b>
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INTEREST ON OPERATING CAPITAL	(	\$88.04	@	7.00%	)				\$6.16
INTEREST ON EQUIPMENT INVESTMENT									\$32.93

<b>RETURN TO LAND AND RISK</b>									<b>(\$261.73)</b>
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\* Pump water costs are shown under irrigation in the preharvest operations section  
 BUDGET SUMMARY

GROSS RETURN		\$249.27			
VARIABLE OPERATING EXPENSES	\$365.96				
RETURN OVER VARIABLE EXPENSES		(\$116.69)	(GROSS MARGIN)		
FIXED EXPENSES	\$61.50				
NET FARM INCOME		(\$178.19)	(RETURN TO CAPITAL, LABOR, LAND & RISK)		
LABOR AND MANAGEMENT COST	\$44.44				
NET OPERATING PROFIT		(\$222.63)	(RETURN TO CAPITAL, LAND & RISK)		
CAPITAL COSTS	\$39.09				
RETURN TO LAND AND RISK		(\$261.73)			

TABLE 9. Peanuts, sprinkler-irrigated, budgeted per acre costs and returns for a 320 acre farm with above average management, Portales Valley, Roosevelt County, Projected 2005.  
 Planting Dates: May 10 - June 10  
 Harvest Dates: October 10 - November 10

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
PEANUTS	\$0.30	2,600.00 LBS	\$780.00
TOTAL			\$780.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.40	100 LB	\$40.00		\$40.00
NITROGEN (N)	\$0.40	60 LB	\$24.00		\$24.00
PHOSPHATE (P205)	\$0.31	80 LB	\$24.80		\$24.80
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	\$11.89	1 X/ACRE	\$11.89		\$11.89
PUMP WATER*		22 AC. IN.			
SUBTOTAL			\$175.33		\$175.33

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.04	\$3.05	\$1.33	\$4.03	\$9.45
PLOW	185 HP	0.48 HR		\$3.58	\$10.44	\$5.16	\$15.09	\$34.27
DISC	185 HP	0.14 HR		\$1.04	\$3.05	\$1.33	\$4.03	\$9.45
FERT SPREADER	126 HP	0.05 HR		\$0.37	\$0.82	\$0.15	\$0.73	\$2.08
SPRAY & DISC	185 HP	0.17 HR		\$1.27	\$3.70	\$1.73	\$6.05	\$12.75
PRE-IRRIGATE		0.10 HR		\$0.67	\$5.69	\$0.00	\$1.02	\$7.38
LISTE R	126 HP	0.12 HR		\$0.89	\$1.98	\$0.69	\$3.54	\$7.10
PLANTER	126 HP	0.17 HR		\$1.27	\$3.70	\$1.33	\$9.37	\$15.67
APPLY FUNGICIDE (CUSTOM)			\$27.00					\$27.00
CULTIVATOR (2X)	126 HP	0.26 HR		\$1.94	\$4.29	\$1.60	\$5.87	\$13.70
HAND HOE (CUSTOM)			\$12.00					\$12.00
IRRIGATE (10X)		1.00 HR		\$6.65	\$56.94	\$0.00	\$10.25	\$73.83
SUBTOTAL		2.63 HR	\$39.00	\$18.71	\$93.65	\$13.32	\$60.00	\$224.69

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DIG AND INVERT	185 HP	0.24 HR		\$1.79	\$5.22	\$1.39	\$7.27	\$15.68
COMBINE PEANUTS	185 HP	0.80 HR		\$5.96	\$17.40	\$5.56	\$83.78	\$112.70
HAUL	126 HP	0.80 HR		\$5.96	\$13.20	\$2.56	\$19.45	\$41.17
SUBTOTAL		1.84 HR	\$0.00	\$13.71	\$35.82	\$9.51	\$110.51	\$169.56

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.61 HR		\$4.54				\$4.54
EMPLOYEE BENEFITS			\$5.84				\$5.84
INSURANCE		\$0.65					\$0.65
LAND TAXES						\$0.53	\$0.53
SUPERVISION AND MANAGEMENT			\$56.45				\$56.45
OTHER EXPENSES		\$103.33					\$103.33
SUBTOTAL	0.61 HR	\$103.98	\$66.83			\$0.53	\$171.35

TOTAL OPERATING EXPENSES	5.08 HR	\$318.31	\$99.25	\$129.47	\$22.84	\$171.04	\$740.92
NET OPERATING PROFIT							\$39.08
INTEREST ON OPERATING CAPITAL	( \$118.19 @ 7.00% )						\$8.27
INTEREST ON EQUIPMENT INVESTMENT							\$91.32
RETURN TO LAND AND RISK							(\$60.51)

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

BUDGET SUMMARY

GROSS RETURN	\$780.00	
VARIABLE OPERATING EXPENSES	\$470.62	
RETURN OVER VARIABLE EXPENSES	\$309.38	(GROSS MARGIN)
FIXED EXPENSES	\$171.04	
NET FARM INCOME	\$138.34	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$99.25	
NET OPERATING PROFIT	\$39.08	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$99.59	
RETURN TO LAND AND RISK	(\$60.51)	

TABLE 10. Summary of per acre costs and returns for a 320 acre farm with above average management, Roosevelt County, Projected 2005.

	WHEAT	CORN	GRAIN SORGHUM	PEANUTS
	BU	CWT	CWT	LBS
PRIMARY YIELD	60.00	70.00	65.00	2,600.00
PRIMARY PRICE	\$3.75	\$4.02	\$3.70	\$0.30
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$40.00	\$15.00	\$9.00	\$0.00
GROSS RETURN	\$265.00	\$296.25	\$249.27	\$780.00
CASH OPERATING EXPENSES				
SEED	\$14.40	\$29.75	\$7.38	\$40.00
FERTILIZER	\$60.40	\$78.60	\$72.40	\$48.80
CHEMICALS	\$20.01	\$56.97	\$36.97	\$74.64
CROP INSURANCE	\$0.61	\$0.95	\$0.95	
OTHER PURCHASED INPUTS				\$11.89
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$9.89	\$32.34	\$32.34	\$66.84
FUEL-IRRIGATION	\$51.24	\$85.40	\$56.94	\$62.63
REPAIRS	\$3.55	\$13.63	\$13.63	\$22.84
CUSTOM CHARGES	\$31.90	\$37.10	\$41.63	\$39.00
LAND TAXES	\$0.53	\$0.53	\$0.53	\$0.53
OTHER EXPENSES	\$103.49	\$103.75	\$103.72	\$103.98
TOTAL CASH EXPENSES	\$296.02	\$439.03	\$366.49	\$471.16
RETURN OVER CASH EXPENSES	(\$31.02)	(\$142.78)	(\$117.22)	\$308.84
FIXED EXPENSES	\$26.08	\$66.09	\$60.97	\$170.51
TOTAL EXPENSES	\$322.10	\$505.12	\$427.46	\$641.66
NET FARM INCOME	(\$57.10)	(\$208.87)	(\$178.19)	\$138.34
LABOR AND MANAGEMENT COSTS	\$29.25	\$47.66	\$44.44	\$99.25
NET OPERATING PROFIT	(\$86.35)	(\$256.54)	(\$222.63)	\$39.08
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL	\$4.66	\$8.34	\$6.16	\$8.27
INTEREST ON EQUIPMENT INVESTMENT	\$14.01	\$35.91	\$32.93	\$91.32
TOTAL CAPITAL COSTS	\$18.66	\$44.25	\$39.09	\$99.59
RETURN TO LAND AND RISK	(\$105.01)	(\$300.78)	(\$261.73)	(\$60.51)

TABLE 11. Whole farm summary, Portales Valley, Roosevelt County,  
Projected 2005.

GROSS RETURNS		
WHEAT	81.60 ACRES	
CROP		\$18,360
GRAZING		\$3,264
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
CORN FOR GRAIN	52.70 ACRES	
CROP		\$14,822
GRAZING		\$791
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	52.70 ACRES	
CROP		\$12,662
GRAZING		\$474
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
PEANUTS	63.00 ACRES	
CROP		\$49,140
GROSS RETURN		<u>\$99,513</u>
CASH OPERATING EXPENSES		
SEED		\$5,652
FERTILIZER		\$15,961
CHEMICALS		\$11,285
CROP INSURANCE		\$150
OTHER PURCHASED INPUTS		\$749
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$8,427
FUEL-IRRIGATION		\$15,628
REPAIRS		\$3,165
CUSTOM CHARGES		\$9,209
LAND TAXES		\$134
OTHER EXPENSES		\$25,929
TOTAL CASH EXPENSES		<u>\$96,289</u>
RETURN OVER CASH EXPENSES		\$3,224
FIXED EXPENSES		\$19,566
TOTAL EXPENSES		\$115,855
NET FARM INCOME		(\$16,343)
LABOR AND MANAGEMENT COSTS		\$13,493
NET OPERATING PROFIT		(\$29,836)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$1,665
INTEREST ON EQUIPMENT INVESTMENT		\$10,524
TOTAL CAPITAL COSTS		<u>\$12,189</u>
RETURN TO LAND AND RISK		<u>(\$42,025)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$46,825)	-9.93%
\$750 /ACRE	(\$49,225)	-7.84%
\$1,000 /ACRE	(\$51,625)	-6.48%
\$1,250 /ACRE	(\$54,025)	-5.52%
\$1,500 /ACRE	(\$56,425)	-4.81%
\$1,750 /ACRE	(\$58,825)	-4.26%
\$2,000 /ACRE	(\$61,225)	-3.82%

\* 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)