TABLE 11. Whole farm summary, Cibola County, Projected 2018

GROSS RETURNS				
ALFALFA HAY	4 ACRES			
CROP		$2,450		
GRAZING		$40		
PASTURE	4 ACRES			
CROP		$240		
FIELD CORN	1 ACRES			
CROP		$264		
GROSS RETURN				$2,994
CASH OPERATING EXPENSES				
SEED		$105		
FERTILIZER		$0		
CHEMICALS		$0		
CROP INSURANCE		$0		
OTHER PURCHASED INPUTS		$170		
CANAL WATER		$50		
FUEL, OIL & LUBRICANTS-EQUIPMENT		$127		
FUEL-IRRIGATION		$0		
REPAIRS		$19		
CUSTOM CHARGES		$79		
LAND TAXES		$4		
OTHER EXPENSES		$2,587		
TOTAL CASH EXPENSES			$3,141	
RETURN OVER CASH EXPENSES				($147)
FIXED EXPENSES		$1,294		
TOTAL EXPENSES			$4,436	
NET FARM INCOME				($1,441)
LABOR AND MANAGEMENT COSTS		$963		
NET OPERATING PROFIT				($2,404)
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		$10		
INTEREST ON EQUIPMENT INVESTMENT		$717		
TOTAL CAPITAL COSTS			$727	
RETURN TO LAND AND RISK				($3,131)

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
$1,000 /ACRE	($3,431)	-10.81%
$2,500 /ACRE	($3,881)	-6.45%
$4,000 /ACRE	($4,331)	-4.60%
$5,500 /ACRE	($4,781)	-3.58%
$7,000 /ACRE	($5,231)	-2.92%
$8,500 /ACRE	($5,681)	-2.47%

* 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)

TABLE 1. Acreage Summary, Cibola County, Projected 2018

BUDGET AREA.....	CIBOLA COUNTY
FARM SIZE.....	10 ACRES
IRRIGATION TYPE.....	FLOOD
NUMBER OF CROPS.....	3

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE AC.IN. PER AC.	WATER USE TOTAL AC.IN.
ALFALFA ESTABLISHMENT	0.5	18	9
ALFALFA	4.0	48	192
PASTURE ESTABLISHMENT	0.5	18	9
PASTURE	4.0	30	120
CORN	1.0	30	30
TOTAL	10.00		360
ACRE FEET PER ACRE OF WATER RIGHTS			3.00

TABLE 2. Basic cost information for Cibola County, Projected 2018

Item				
Labor Wage Rate:		$/hour		$7.50
Purchased Inputs				
Seed:				
Alfalfa		$/pound		$4.00
Oats		$/pound		$0.44
Corn		$/bag		$240.00
Wheat		$/pound		$0.44
Pasture		$/pound		$3.25
Baling wire		$/pound		$1.32
Gopher control		$/acre		$1.00
Canal water		$/acre		$5.00
Energy:				
Diesel fuel		$/gallon		$2.75
Gasoline		$/gallon		$2.40
Electricity		cents/KwHr		12.65
Employee Liability Insurance		$/$1,000 wages		$12.00
Employee Benefits		percent/wages		12.00%
Labor Downtime		percent		25.00%
Financial Rates:				
Operating Capital Interest Rate		percent		5.50%
Land Interest Rate		percent		5.00%
Equipment Interest Rate		percent		5.50%
Real Interest Rate		percent		3.00%
Land Taxes	$36.00	/acre (full value)		$0.40
Personal Property Tax Rate	- NR	$/$1,000	(Assessed	$33.20
	- R		Value)	$28.47
Supervision Factors		$/labor hour		$0.50
Management Rate		percent		4.00%

TABLE 3. Overhead cost information for Cibola County, Projected 2018

Item						
Electricity (Domestic & Shop)				$0.00	per month	$0
Telephone				$0.00	per month	$0
Accounting & Legal						$152
Misc. Supplies & Hand Tools						$298
Pickup and Auto						
miles	3,175	@	$0.500	per mile		$1,588
Insurance						
- general liability (non-employee)						$0
- fire/theft						$0
Property Taxes						
- non-planted land						$0
- other than land & machinery						$0
Building repairs and maintenance						$127
Dues, fees, publications						$127
Farmstead Equipment						$0
					Total	$2,292
			Total Per Planted Acre			$286.54

TABLE 4. Equipment summary for a 10 acre part-time farm, Cibola County, Projected 2018

EQUIPMENT ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	VARIABLE COSTS: FUEL, OIL, LUBRICANT	VARIABLE COSTS: REPAIR	FUEL, OIL PER HR	REPAIR PER HR	FIXED COSTS: DEPRECIATION	TAXES	TOTAL PER HR
TRACTOR 40 HP	14	1	$7,000	$127.01	$15.26	$8.98	$1.08	$359.50	$99.46	$32.44
BALER 2 WIRE	8	1	$1,600		$1.25		$0.15	$385.00	$42.61	$52.63
DRAG 10 FT	1	1	$250		$0.01		$0.01	$33.33	$2.77	$46.58
DISC 6 FT	2	1	$600		$1.58		$0.74	$80.00	$6.64	$40.87
PLOW 2 BOTTOM	3	1	$250		$0.81		$0.31	$33.33	$2.77	$13.78
DRILL (BORROWE 10 FT	0	1	$1,800		$0.35		$0.86			
BORDER DISC 6 DISC	0	1	$750		$0.09		$0.93	$100.00	$8.30	$1,083.00
			$12,250	$127.01	$19.36			$991.17	$162.54	

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNIT/HR	LUBE COEF	ACCUM HOURS	AGE	INTEREST EXPENSE
TRACTOR 40 HP	17,975	7,000	50	1	800	3.40	0.10	212.25	15	494.31
BALER 2 WIRE	7,700	1,600	20	2	500			146.25	18	211.75
DRAG 10 FT	500	250	15	4	300			12.40	16	13.75
DISC 6 FT	1,200	600	15	3	300			33.92	16	33.00
PLOW 2 BOTTOM	500	250	15	3	300			41.92	16	13.75
DRILL (BORROWE 10 FT	3,600	1,800	10	8	100			5.33	13	
BORDER DISC 6 DISC	1,500	750	15	3	300			1.60	16	41.25

INTEREST PRORATION

ALFALFA EST.	LFALFA HAY	ANNUAL PASTURE	FIELD CORN
dollars per acre			
144.98	68.12	0.00	93.62
16.94	50.82	0.00	0.00
11.00	0.00	0.00	5.50
16.50	0.00	0.00	16.50
6.88	0.00	0.00	6.88
0.00	0.00	0.00	0.00
41.25	0.00	0.00	0.00
237.54	118.94	0.00	122.50

USAGE LIST

ALFALFA EST.	ALFALFA HAY	ANNUAL PASTURE EST.	ANNUAL PASTURE	FIELD CORN	PER ACRE TOTALS
hours per acre					
4.15	1.95	3.19	0.00	2.68	11.97
0.65	1.95	0.00	0.00	0.00	2.60
0.62	0.00	0.31	0.00	0.31	1.24
1.06	0.00	1.06	0.00	1.06	3.18
1.31	0.00	1.31	0.00	1.31	3.93
0.41	0.00	0.41	0.00	0.00	0.82
0.10	0.00	0.10	0.00	0.00	0.20

ALFALFA ESTABLISHMENT — ACRES: 0.5 — PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
PLOW	40 HP	1.00	1.31	1.31	
DISC (2X)	40 HP	2.00	0.53	1.06	
DRAG (2X)	40 HP	2.00	0.31	0.62	
DRILL	40 HP	1.00	0.41	0.41	
BORDER DISC	40 HP	1.00	0.10	0.10	
IRRIGATE (3X)		3.00	0.75	2.25	
SWATHER (CUSTOM) RATE PER ACRE					17.50
BALER	40 HP	1.00	0.65	0.65	

ALFALFA HAY — ACRES: 4 — PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
IRRIGATE (5X)		5.00	0.75	3.75	
SWATHER (CUSTOM) RATE PER ACRE		3			17.50
BALER (3X)	40 HP	3.00	0.65	1.95	

PERMANENT PASTURE EST. — ACRES: 0.5 — PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
PLOW	40 HP	1.00	1.31	1.31	
DISC (2X)	40 HP	2.00	0.53	1.06	
DRAG	40 HP	1.00	0.31	0.31	
DRILL	40 HP	1.00	0.41	0.41	
BORDER DISC	40 HP	1.00	0.10	0.10	
IRRIGATE (3X)		3.00	0.75	2.25	

ANNUAL PERMANENT PASTURE — ACRES: 4 — PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
IRRIGATE (4X)		4.00	0.75	3.00	

FIELD CORN — ACRES: 1 — PUMP WATER:

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT RATE	TOTAL	CUSTOM
PLOW	40 HP	1.00	1.31	1.31	
DISC (2X)	40 HP	2.00	0.53	1.06	
DRAG	40 HP	1.00	0.31	0.31	
HAND RIDGE		1.00	10.00	10.00	
HAND PLANT		1.00	5.00	5.00	
HAND HOE		1.00	5.00	5.00	
IRRIGATE (3X)		3.00	0.75	2.25	
HAND PICK		1.00	25.00	25.00	

ANNUAL REPAIR COSTS AS A PERCENT OF NEW VALUE

Hours of Use	1 *	2 *	3 *	4 *	5 **	6 **	7 **	8 **	9 **
0	0.000060	0.000020	0.000620	0.000020	0.000080	0.000140	0.000040	0.000240	0.000200
50	0.000060	0.000020	0.000620	0.000020	0.000080	0.000140	0.000040	0.000240	0.000200
100	0.000060	0.000020	0.000500	0.000020	0.000140	0.000220	0.000100	0.000380	0.000300
200	0.000030	0.000030	0.000430	0.000040	0.000180	0.000260	0.000110	0.000510	0.000360
300	0.000030	0.000050	0.000390	0.000060	0.000230	0.000310	0.000140	0.000630	0.000400
400	0.000030	0.000060	0.000370	0.000090	0.000260	0.000340	0.000150	0.000710	0.000450
500	0.000030	0.000070	0.000360	0.000100	0.000280	0.000370	0.000170	0.000800	0.000630
600	0.000030	0.000090	0.000340	0.000120	0.000310	0.000390	0.000190	0.000860	0.000530
700	0.000030	0.000100	0.000340	0.000130	0.000330	0.000410	0.000200	0.000910	0.000560
800	0.000030	0.000110	0.000320	0.000150	0.000350	0.000430	0.000210	0.000980	0.000590
900	0.000030	0.000120	0.000320	0.000160	0.000370	0.000450	0.000230	0.001020	0.000600
1000	0.000090	0.000130	0.000310	0.000180	0.000380	0.000460	0.000230	0.001070	0.000630
1200	0.000045	0.000145	0.000305	0.000205	0.000405	0.000480	0.000245	0.001135	0.000710
1400	0.000045	0.000170	0.000300	0.000230	0.000435	0.000510	0.000410	0.001260	0.000765
1500	0.000150	0.000170	0.000300	0.000230	0.000435	0.000510	0.000410	0.001260	0.000765
1600	0.000150	0.000190	0.000285	0.000255	0.000465	0.000525	0.000135	0.001235	0.000805
1800	0.000075	0.000170	0.000285	0.000285	0.000485	0.000550	0.000295		
2000	0.000110	0.000265	0.000280	0.000305	0.000505	0.000565	0.000310		
2500	0.000056								
3000	0.000070								
3500	0.000082								
4000	0.000096								
4500	0.000108								
5000	0.000122								
5500	0.000136								
6000	0.000148								
6500	0.000162								
7000	0.000176								
7500	0.000188								
8000	0.000204								

* Based on unpublished data of D. R. Hunt, Department of Agricultural Engineering, University of Illinois.

** Based on "Agricultural Machinery Data" in Agricultural Engineers Yearbook, 1983.

Codes

1 tractors
2 balers, combines, forage harvesters, windrowers, pickups
3 rotary hoe, disks, moldboard plows, chisels, field cultivators row cultivators, laser plane
4 harrows, wagons, floats, roto buck, drag, roller, water furrow, bed shaper
5 balewagons, cotton pickers, cotton strippers, corn pickers corn heads, forage equipment, rotary mowers, stalk choppers, feed wagons, farm trucks
6 rakes, cutterbar mower
7 baler w/ engine, manure spreader
8 planters, drills, seeding equipment, mounted sprayers
9 fertilizer distributing equipment

TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2018
Planting Dates: May 15 - July 1
Harvest Dates: August 20 - September 10

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
OAT HAY	$175.00	2.00 TONS (IN FIELD)	$350.00
TOTAL			$350.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
ALFALFA SEED	$4.00	20 LBS	$80.00		$80.00
OAT SEED	$0.44	50 LBS	$22.00		$22.00
WIRE	$1.32	17 LBS	$22.62		$22.62
CANAL WATER		18 AC. IN.	$5.00		$5.00
SUBTOTAL			$129.62		$129.62

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	40 HP	1.31 HR		$9.83	$11.76	$1.82	$60.54	$83.94
DISC (2X)	40 HP	1.06 HR		$7.95	$9.51	$1.93	$77.70	$97.10
DRAG (2X)	40 HP	0.62 HR		$4.65	$5.57	$0.67	$48.99	$59.88
DRILL	40 HP	0.41 HR		$3.08	$3.68	$0.80	$13.30	$20.85
BORDER DISC	40 HP	0.10 HR		$0.75	$0.90	$0.20	$111.54	$113.39
IRRIGATE (3X)		2.25 HR		$16.88				$16.88
SUBTOTAL		5.75 HR		$43.13	$31.42	$5.42	$312.07	$392.04
HARVEST OPERATIONS								
SWATHER (CUSTOM)			$17.50					$17.50
BALER	40 HP	0.65 HR		$4.88	$5.83	$0.80	$55.29	$66.80
SUBTOTAL		0.65 HR	$17.50	$4.88	$5.83	$0.80	$55.29	$84.30
OVERHEAD EXPENSES								
DOWNTIME		2.19 HR		$16.41				$16.41
EMPLOYEE BENEFITS				$5.76				$5.76
INSURANCE			$0.58					$0.58
LAND TAXES							$0.40	$0.40
SUPERVISION AND MANAGEMENT				$24.07				$24.07
SUBTOTAL		2.19 HR	$0.58	$46.23			$0.40	$47.21
TOTAL OPERATING EXPENSES		8.59 HR	$147.70	$94.23	$37.25	$6.22	$367.76	$653.17
NET OPERATING PROFIT								($303.17)
INTEREST ON OPERATING CAPITAL		($76.03 @	5.50%)					$4.18
INTEREST ON EQUIPMENT INVESTMENT								$237.54
RETURN TO LAND AND RISK								($544.89)

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2018
Harvest Dates: June 15 - September 15

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
ALFALFA HAY	$175.00	3.50	TONS (IN FIELD)	$612.50
GRAZING	$10.00	1.00	ACRE	$10.00
TOTAL				$622.50

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
WIRE	$1.32	30	LBS	$39.59		$39.59
ESTABLISHMENT: Principal		10	YEARS		$54.49	$54.49
: Interest					$29.81	$29.81
CANAL WATER		48	AC. IN.	$5.00		$5.00
SUBTOTAL				$44.59	$84.30	$128.90

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (6X)		3.75	HR		$28.13				$28.13
SUBTOTAL		3.75	HR		$28.13	$0.00	$0.00	$0.00	$28.13
HARVEST OPERATIONS									
SWATHER (CUSTOM) (3X)				$17.50					$17.50
BALER (3X)	40 HP	1.95	HR		$14.63	$17.50	$2.40	$165.87	$200.41
SUBOTOTAL		1.95	HR	$17.50	$14.63	$17.50	$2.40	$165.87	$217.91
OVERHEAD EXPENSES									
DOWNTIME		0.49	HR		$3.66				$3.66
EMPLOYEE BENEFITS					$5.13				$5.13
INSURANCE				$0.51					$0.51
LAND TAXES								$0.40	$0.40
SUPERVISION AND MANAGEMENT					$27.75				$27.75
OTHER EXPENSES				$286.54					$286.54
SUBTOTAL		0.49	HR	$287.06	$36.54			$0.40	$323.99
TOTAL OPERATING EXPENSES		6.19	HR	$349.15	$79.29	$17.50	$2.40	$250.58	$698.92
NET OPERATING PROFIT									($76.42)
INTEREST ON OPERATING CAPITAL		($25.41	@	5.50%)					$1.40
INTEREST ON EQUIPMENT INVESTMENT									$118.94
RETURN TO LAND AND RISK									($196.76)

BUDGET SUMMARY

GROSS RETURN		$622.50	
VARIABLE OPERATING EXPENSES	$369.06		
RETURN OVER VARIABLE EXPENSES		$253.44	(GROSS MARGIN)
FIXED EXPENSES	$250.58		
NET FARM INCOME		$2.87	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$79.29		
NET OPERATING PROFIT		($76.42)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$120.34		
RETURN TO LAND AND RISK		($196.76)	

TABLE 7. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2018

Planting Dates: May 15 - July 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS	TOTAL
PURCHASED INPUTS				
GRASS SEED	$3.25	15 LBS	$48.75	$48.75
CANAL WATER		18 AC. IN.	$5.00	$5.00
SUBTOTAL			$53.75	$53.75

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	40 HP	1.31 HR		$9.83	$11.76	$1.82	$60.54	$83.94
DISC (2X)	40 HP	1.06 HR		$7.95	$9.51	$1.93	$77.70	$97.10
DRAG	40 HP	0.31 HR		$2.33	$2.78	$0.34	$24.49	$29.94
DRILL	40 HP	0.41 HR		$3.08	$3.68	$0.80	$13.30	$20.85
BORDER DISC	40 HP	0.10 HR		$0.75	$0.90	$0.20	$111.54	$113.39
IRRIGATE (3X)		2.25 HR		$16.88				$16.88
SUBTOTAL		5.44 HR		$40.80	$28.63	$5.09	$287.58	$362.10
OVERHEAD EXPENSES								
DOWNTIME		0.80 HR		$5.98				$5.98
EMPLOYEE BENEFITS				$4.90				$4.90
INSURANCE			$0.49					$0.49
LAND TAXES							$0.40	$0.40
SUPERVISION AND MANAGEMENT				$19.35				$19.35
SUBTOTAL		0.80 HR	$0.49	$30.23			$0.40	$31.12
TOTAL OPERATING EXPENSES		6.24 HR	$54.24	$71.03	$28.63	$5.09	$287.98	$446.97

TABLE 8. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2018
Harvest Dates: Year-round

ITEM	PRICE	YIELD		TOTAL
GROSS RETURNS				
PASTURE	$12.00	5.00	AUMS	$60.00
TOTAL				$60.00

PURCHASED INPUTS	PRICE	QUANTITY		PURCHASED INPUTS	FIXED COST	TOTAL
ESTABLISHMENT: Principal		20	YEARS		$22.35	$22.35
: Interest					$5.35	$5.35
CANAL WATER		30	AC. IN.	$5.00		$5.00
SUBTOTAL				$5.00	$27.70	$32.70

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (4X)		3.00	HR		$22.50				$22.50
SUBTOTAL		3.00	HR		$22.50				$22.50
OVERHEAD EXPENSES									
DOWNTIME		0.00	HR		$0.00				$0.00
EMPLOYEE BENEFITS					$2.70				$2.70
INSURANCE				$0.27					$0.27
LAND TAXES								$0.40	$0.40
SUPERVISION AND MANAGEMENT					$3.90				$3.90
OTHER EXPENSES				$286.54					$286.54
SUBTOTAL		0.00	HR	$286.81	$6.60			$0.40	$293.81
TOTAL OPERATING EXPENSES		3.00	HR	$291.81	$29.10	$0.00	$0.00	$28.10	$349.02
NET OPERATING PROFIT									($289.02)
INTEREST ON OPERATING CAPITAL		($2.50	@	5.50%)					$0.14
INTEREST ON EQUIPMENT INVESTMENT									$0.00
RETURN TO LAND AND RISK									($289.15)

BUDGET SUMMARY

GROSS RETURN		$60.00	
VARIABLE OPERATING EXPENSES	$291.81		
RETURN OVER VARIABLE EXPENSES		($231.81)	(GROSS MARGIN)
FIXED EXPENSES	$28.10		
NET FARM INCOME		($259.92)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$29.10		
NET OPERATING PROFIT		($289.02)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$0.14		
RETURN TO LAND AND RISK		($289.15)	

TABLE 9. Field corn, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2018
Planting Dates: May 25 - June 25
Harvest Dates: October 15 - November 20

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
CORN	$6.61	40.00 CWT	$264.29
TOTAL			$264.29

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
CORN SEED	$3.00	10 000	$30.00		$30.00
CANAL WATER		30 AC. IN.	$5.00		$5.00
SUBTOTAL			$35.00		$35.00

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	40 HP	1.31 HR		$9.83	$11.76	$1.82	$60.54	$83.94
DISC (2X)	40 HP	1.06 HR		$7.95	$9.51	$1.93	$77.70	$97.10
DRAG	40 HP	0.31 HR		$2.33	$2.78	$0.34	$24.49	$29.94
HAND RIDGE		10.00 HR		$75.00				$75.00
HAND PLANT		5.00 HR		$37.50				$37.50
HAND HOE		5.00 HR		$37.50				$37.50
IRRIGATE (3X)		2.25 HR		$16.88				$16.88
SUBTOTAL		24.93 HR		$186.98	$24.06	$4.09	$162.74	$377.86
HARVEST OPERATIONS								
HAND PICK		25.00 HR		$187.50				$187.50
SUBTOTAL		25.00 HR		$187.50	$0.00	$0.00	$0.00	$187.50
OVERHEAD EXPENSES								
DOWNTIME		0.67 HR		$5.03				$5.03
EMPLOYEE BENEFITS				$44.94				$44.94
INSURANCE			$4.49					$4.49
LAND TAXES							$0.40	$0.40
SUPERVISION AND MANAGEMENT				$22.51				$22.51
OTHER EXPENSES			$286.54					$286.54
SUBTOTAL		0.67 HR	$291.04	$72.47			$0.40	$363.90
TOTAL OPERATING EXPENSES		50.60 HR	$326.04	$446.94	$24.06	$4.09	$163.14	$964.26
NET OPERATING PROFIT								($699.97)
INTEREST ON OPERATING CAPITAL		($24.54 @	5.50%)					$1.35
INTEREST ON EQUIPMENT INVESTMENT								$122.50
RETURN TO LAND AND RISK								($823.82)

BUDGET SUMMARY

GROSS RETURN		$264.29	
VARIABLE OPERATING EXPENSES	$354.18		
RETURN OVER VARIABLE EXPENSES		($89.90)	(GROSS MARGIN)
FIXED EXPENSES	$163.14		
NET FARM INCOME		($253.03)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	$446.94		
NET OPERATING PROFIT		($699.97)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	$123.85		
RETURN TO LAND AND RISK		($823.82)	

TABLE 10. Summary of per acre costs and returns, 10 acre part-time farm, Cibola County, Projected 2018

	ALFALFA ESTABLISHMENT	ALFALFA HAY	PERMANENT PASTURE ESTABLISHMENT	PERMANENT PASTURE	FIELD CORN
	TONS	TONS		AUMS	CWT
PRIMARY YIELD	2.00	3.50		5.00	40.00
PRIMARY PRICE	$175.00	$175.00		$12.00	$6.61
GOVERNMENT PAYMENTS	$0.00	$0.00		$0.00	$0.00
SECOND INCOME	$0.00	$10.00		$0.00	$0.00
GROSS RETURN	$350.00	$622.50		$60.00	$264.29
CASH OPERATING EXPENSES					
SEED	$102.00		$48.75		$30.00
FERTILIZER					
CHEMICALS					
CROP INSURANCE					
OTHER PURCHASED INPUTS	$22.62	$39.59			
CANAL WATER	$5.00	$5.00	$5.00	$5.00	$5.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	$37.25	$17.50	$28.63	$0.00	$24.06
FUEL-IRRIGATION					
REPAIRS	$6.22	$2.40	$5.09	$0.00	$4.09
CUSTOM CHARGES	$17.50	$17.50			
LAND TAXES	$0.40	$0.40	$0.40	$0.40	$0.40
OTHER EXPENSES	$0.58	$287.06	$0.49	$286.81	$291.04
TOTAL CASH EXPENSES	$191.57	$369.46	$88.36	$292.21	$354.58
RETURN OVER CASH EXPENSES	$158.43	$253.04	($88.36)	($232.21)	($90.29)
FIXED EXPENSES	$367.37	$250.18	$287.58	$27.70	$162.74
TOTAL EXPENSES	$558.94	$619.63	$375.94	$319.92	$517.32
NET FARM INCOME	($208.94)	$2.87	($375.94)	($259.92)	($253.03)
LABOR AND MANAGEMENT COSTS	$94.23	$79.29	$71.03	$29.10	$446.94
NET OPERATING PROFIT	($303.17)	($76.42)	($446.97)	($289.02)	($699.97)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL	$4.18	$1.40		$0.14	$1.35
INTEREST ON EQUIPMENT INVESTMENT	$237.54	$118.94		$0.00	$122.50
TOTAL CAPITAL COSTS	$241.72	$120.34	$0.00	$0.14	$123.85
RETURN TO LAND AND RISK	($544.89)	($196.76)	($446.97)	($289.15)	($823.82)