## MICROCOMPUTER CROP COST AND RETURN GENERATOR

VERSION 1.0

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\* YOU MAY ENTER DATA IN ANY INPUT TABLE WITH HIGHLIGHTED CELLS OR YOU MAY STRIKE [ENTER] AND RETURN TO THE MENU

\*\* BE SURE PRINTER IS ON AND PAPER IS ALIGNED BEFORE YOU PRINT

Flex Computation

108.61 669.53 90.86 -40.91 590.25

TABLE 1. Acreage Summary, Chaves County, Roswell-Hagerman Area, Projected 2014

			WATER	USE
ACREAGE SUMMARY:			AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMEN ALFALFA WHEAT ARP FLEX IN OAT HAY OAT HAY PICKER COTTON ARP FLEX IN OAT HAY STRIPPER COTTON ARP	iΤ	60.00 * 300.00 51.00 0.00 9.00 60.00 51.00 0.00 9.00 51.00 0.00 9.00 51.00 0.00	16 54 28 28 21 28 28 28	960 16,200 1,428 252 1,260 1,428 252 1,428
CORN SILAGE ROADS, DITCHES, HOMESTEAD		60.00	48	2,880
HOWLOTEAD	TOTAL	640.00	_	26,340
	ACRE FEE	T PER ACRE OF WATER RIGH	TS	3.43

<sup>\*</sup> DOUBLE-CROPPED

TABLE 2. Basic cost information for the Roswell-Hagerman area, Chaves County, Projected 2014

ltem		
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:		
Alfalfa	\$/pound	\$6.00
Wheat	\$/pound	\$0.45
Cotton	•	
picker	\$/pound	\$7.55
stripper	\$/pound	\$7.55
Oat	\$/pound	\$0.64
Corn	\$/bag	\$261.00
	_	
Plastic Twine:	\$/roll	\$0.72
Natural gas	\$/MCF	\$4.00
(service charge)	\$/month	\$8.00
Diesel fuel	\$/gallon	\$4.00
Gasoline	\$/gallon	\$3.50
Electricity	cents/KwHr	7.84
LP Gas	\$/gallon	\$2.80
Employee Liability Insurance	\$/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	\$185.00 /acre (full value)	\$1.45
December 1 December 1 Town December 1 ND	£/£4.000 /A	COO 40
Personal Property Tax Rate - NR - R	\$/\$1,000 (Assessed Value)	\$23.49 \$19.21
IX.	: aluc)	ψ.υ. <u>Σ</u> 1
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 Roswell-Hagerman area, Chaves County,

Projected 2014				
Item				
Electricity (Domestic & Sho Telephone	op)		\$237.16 per month \$118.58 per month	\$2,846 \$1,423
Accounting & Legal			\$116.56 per monur	\$1,68
Misc. Supplies & Hand Too	ale			\$2,530
Pickup and Auto	713			Ψ2,00
miles	24,200	@	\$0.500 per mile	\$12,100
Insurance			•	
- general liability (non-em	ployee)			\$1,83
- fire/theft				\$1,45
Property Taxes				
- non-planted land				\$1
- other than land & machi				\$1
Building repairs and mainte	enance			\$1,389
Dues, fees, publications				\$424
Farmstead Equipment				\$18
			Total	\$25,864
			Total Per Planted Acre	\$43.1

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Page 1981	0.140		
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NE OFFEET			195	- 1	\$5.750		E740		87.73	EN7	145	17
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TRACTOR.	-	we	10 750	17330	30		800	0.00	410	#700 TB	11	411.71
COTTON STREPER MED			11,000	2,860	16		300	0.00	0.00	800.12	13	316.20
THE PARTY NAMED IN	146		77.410	11 360	9.9		800	9.19	436	1071 811		1 884 %
		TOW	87.770	18745	**		mon			70.00		13075
DISC OFFEST	14		11,000	5.790	16	3	300			1680.00	16	316.20
Name :	17		4300	3180	8.9		1000			200.00	110	118 %
TO AND THE PERSON NAMED IN	11		F-000	7.800	**		940			400.00	14	177.60
FLOW MOLDBOWIO			10,200	5.100	16	3	300			2096.66	16	280.50
NAME OF BRIDE		-	1.650	7000	**		1180			70.4 70.		41.70
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ner	No. of Lot	1.00	017	0.17	
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PRINCIPLE CO.O.		3.00	034	0.00	
COTTON PROMIN GIN	2809	2.00	042	124	
					0.14
URL BATT COTTON OTTONOMEN					78.00
			ACCOUNT.		
	PONTE	7165			
MATERIAL STREET, STREE	- No. of	~**	81/78	TOTAL	-
ner	No. of Lot	1.00		0.17	
m res	140.00	1.00	0.48	0.00	

THE REST CONTRACT CONTRACTOR	4798				78.00
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COTTON ETRIPPER MAIN ONLY CONTON CLUTTERA EL RICHA	NEHP THIS	280	042	124	410
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rown.	-	- m			40.00

	82000	****	ACCOUNTS.		
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ner	140.40	1.00	017	0.17	

	-	 	-	100	

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Projected 2014

Projected 2014
Planting dates: September 1 - September 31 PURCHASED PRICE QUANTITY TOTAL INPUTS PURCHASED INPUTS 30.00 LBS 1 ACRE 16.00 AC. IN. SEED \$6.00 \$180.00 \$180.00 INSECTICIDE (CUSTOM)
PUMP WATER\* \$13.38 \$13.38 \$13.38 SUBTOTAL \$193.38 \$193.38 ACCOMPLISHMENT PURCHASED POWER FUEL & FIXED PREHARVEST OPERATIONS LABOR LUBE REPAIRS TOTAL 0.17 HR 0.48 HR 0.34 HR 0.48 HR 0.21 HR DISC PLOW 145 HP 145 HP \$1.45 \$11.22 \$4.10 \$2.91 \$4.10 \$1.80 \$6.68 \$5.49 \$13.01 \$2.58 \$15.84 \$11.22 \$4.94 \$3.77 \$31.56 DISC (2X) \$23.39 \$1.95 \$0.41 PLANE (2X) DRILL 130 HP 96 HP \$15.84 \$4.48 \$34.91 \$9.27 DITCHER (2X) IRRIGATE (2X) 0.10 HR 1.00 HR \$0.86 \$7.50 \$0.40 \$0.00 \$2.04 \$2.17 \$6.60 \$33.74 130 HP \$3.30 \$24.07 SUBTOTAL 2.78 HR \$156.76 \$22.72 \$85.96 \$13.37 \$34.71 OVERHEAD EXPENSES DOWNTIME 0.45 HR \$3.80 \$3.80 EMPLOYEE BENEFITS
INSURANCE
SUPERVISION AND MANAGEMENT \$4.09 \$4.09 \$0.45 \$26.35 \$0.45 \$26.35 \$34.70 SUBTOTAL 0.45 HR \$0.45 \$34.24 TOTAL OPERATING EXPENSES 3.23 HR \$384.84 \$193.83 \$56.96 \$85.96 \$13.37 \$34.71

TABLE 7. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Projected 2014

Harvesting dates: May 20 - October 15 YIELD TOTAL PRICE GROSS RETURNS 6.5 TONS (DELIVERED) \$255.00 \$1.657.50 ALFALFA HAY \$1,657.50 TOTAL PURCHASED INPUTS FIXED TOTAL QUANTITY PURCHASED INPUTS PRICE COST FERTILIZER (10-26-10) INSECTICIDE (CUSTOM) \$0.41 200 LBS \$82.00 \$82.00 1 ACRE \$44.48 \$44.48 \$44.48 HERBICIDE (CUSTOM) \$28.11 ACRE \$28.11 \$28.11 PLASTIC TWINE 170 FT/TON \$0.72 \$0.20 \$0.20 ESTABLISHMENT: Principal 5 YEARS \$76.97 : Interest \$11.97 \$11.97 PUMP WATER\* 54 AC. IN. SUBTOTAL \$154.79 \$88.93 \$243.72 **POWER** ACCOMPLISHMENT PURCHASED FUEL & FIXED TOTAL PREHARVEST OPERATIONS UNIT LABOR LUBE REPAIRS RATE **INPUTS** COST IRRIGATE (6X) 3.00 HR \$22.50 \$81.23 \$0.00 \$7.32 \$111.06 SUBTOTAL 3.00 HR \$22.50 \$81.23 \$0.00 \$7.32 \$111.06 HARVEST OPERATIONS SWATHER (5X) 14 FT 0.55 HR \$4.70 \$8.24 \$0.80 \$12.00 \$25.74 RAKE (5X) BALER (5X) 96 HP 145 HP 0.25 HR 0.35 HR \$2.14 \$2.99 \$5.33 \$11.55 \$0.47 \$2.00 \$1.54 \$22.64 \$9.48 \$39.18 FRONT END LOADER (5X) HAUL 130 HP 0.25 HR \$2.14 \$8.25 \$1.78 \$4.58 \$16.75 SEMI 0.50 HR \$9.40 \$15.07 \$4.28 \$0.00 \$1.40 SUBTOTAL 1.90 HR \$6.45 \$50.16 \$106.22 \$16.25 \$33.36 OVERHEAD EXPENSES DOWNTIME 0.48 HR \$4.06 \$4.06 EMPLOYEE BENEFITS INSURANCE \$6.97 \$0.77 \$6.97 \$0.77 LAND TAXES \$1.45 \$1.45 SUPERVISION AND MANAGEMENT \$119.98 \$119.98 OTHER EXPENSES \$43.11 SUBTOTAL 0.48 HR \$43.88 \$131.01 \$1.45 \$176.34 TOTAL OPERATING EXPENSES 5.38 HR \$198.67 \$169.76 \$114.60 \$6.45 \$147.86 \$637.34 NET OPERATING PROFIT \$1,020.16 INTEREST ON OPERATING CAPITAL \$101.02 @ 5.50% \$5.56 INTEREST ON EQUIPMENT INVESTMENT \$23.06 RETURN TO LAND AND RISK \$991.55 \* Pump water costs are shown under irrigation in the preharvest operations section.

3	BUDGET	SUMMARY	
GROSS RETURN		\$1,657.50	
VARIABLE OPERATING EXPENSES	\$319.72		
RETURN OVER VARIABLE EXPENSES		\$1,337.78	(GROSS MARGIN)
FIXED EXPENSES	\$147.86		
NET FARM INCOME		\$1,189.92	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$169.76		
NET OPERATING PROFIT		\$1,020.16	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$28.61		
RETURN TO LAND AND RISK		\$991.55	

TABLE 8. Wheat, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Projected 2014
Planting dates: August 15 - November 1
Harvesting dates: June 15 - July 1

Harvesting dates: June 15 - July	y 1								
ITEM	PRICE	YIELD		BASE					TOTAL
GROSS RETURNS WHEAT DIRECT PAYMENT COUNTER CYCLICAL PAYMENT GRAZING	\$11.67 \$0.00 \$0.00 \$44.00	40.00 C 40.00 C	CWT	0.85					\$466.67 \$0.00 \$0.00 \$44.00
TOTAL								-	\$510.67
TOTAL									ψο 10.07
PURCHASED INPUTS	PRICE	QUANTIT	ГΥ	PURCHASED INPUTS				FIXED COST	TOTAL
SEED NITROGEN (N) PHOSPHATE (P205) INSECTICIDE PUMP WATER*	\$0.45 \$0.50 \$0.40 \$19.17		_BS	\$45.00 \$75.00 \$20.00 \$19.17					\$45.00 \$75.00 \$20.00 \$19.17
CROP INSURANCE SUBTOTAL	\$0.98	20 F	-10. IIV.	\$0.98 \$160.15				-	\$0.98 \$160.15
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISH RATE	HMENT	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW DISC (2X) FERTILIZE	145 HP 145 HP DEALER APPLIED	0.48 H 0.34 H			\$4.10 \$2.91	\$15.84 \$11.22	\$4.94 \$3.77	\$6.68 \$5.49	\$31.56 \$23.39
DRILL DITCHER (2X) IRRIGATE (4X)	96 HP 130 HP	0.21 F 0.10 F 2.00 F	⊣R		\$1.80 \$0.86 \$15.00	\$4.48 \$3.30 \$42.12	\$0.41 \$0.40 \$0.00	\$2.58 \$2.04 \$3.80	\$9.27 \$6.60 \$60.92
SUBTOTAL		3.13 H	HR	_	\$24.66	\$76.95	\$9.53	\$20.58	\$131.73
HARVEST OPERATIONS									
COMBINE (CUSTOM) HAUL (CUSTOM)				\$28.04 \$6.80					\$28.04 \$6.80
SUBTOTAL			•	\$34.84				-	\$34.84
OVERHEAD EXPENSES									
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT		0.28 H	HR	\$0.49	\$2.42 \$4.44 \$38.26			\$1.45	\$2.42 \$4.44 \$0.49 \$1.45 \$38.26
OTHER EXPENSES				\$43.11					\$43.11
SUBTOTAL		0.28 H	⊣R	\$43.60	\$45.12			\$1.45	\$90.16
TOTAL OPERATING EXPENSES		3.41 H	HR	\$238.59	\$69.78	\$76.95	\$9.53	\$22.03	\$416.89
NET OPERATING PROFIT									\$93.77
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		\$104.60	@	5.50%	)				\$5.75 \$9.13
RETURN TO LAND AND RISK									\$78.89
* Pump water costs are shown under irrigati		ations section.							
GROSS RETURN VARIABLE OPERATING EXPENSES	\$325.08	\$510.67							

,	BUDGET S	SUMMARY	
GROSS RETURN		\$510.67	
VARIABLE OPERATING EXPENSES	\$325.08		
RETURN OVER VARIABLE EXPENSES		\$185.59	(GROSS MARGIN)
FIXED EXPENSES	\$22.03		
NET FARM INCOME		\$163.55	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$69.78		
NET OPERATING PROFIT		\$93.77	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$14.88		
RETURN TO LAND AND RISK		\$78.89	

TABLE 9. Oat hay, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Projected 2014
Planting dates: February 15 - April 1
Harvesting dates: June 15 - July 1

Harvesting dates: June 15 - Ju	ly 1									
ITEM	PRICE		YIEL	_D						TOTA
GROSS RETURNS OAT HAY	\$195.00		5.00	TONS (DI	ELIVERED)					\$975.00
TOTAL									-	\$975.00
DUDQUAQED INDUTO	PDIOF		OLIAN	TITY.	PURCHASED				FIXED	TOT4
PURCHASED INPUTS	PRICE		QUAN	IIIY	INPUTS				COST	TOTA
SEED NITROGEN (N) PUMP WATER*	\$0.64 \$0.50		85	LBS LBS AC. IN.	\$51.20 \$42.50					\$51.20 \$42.50
SUBTOTAL					\$93.70				-	\$93.70
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTA
DISC (2X)	145 HP		0.34	HR		\$2.91	\$11.22	\$3.77	\$5.49	\$23.39
DRILL	96 HP 130 HP		0.21 0.05			\$1.80 \$0.43	\$4.48 \$1.65	\$0.41 \$0.20	\$2.58 \$1.02	\$9.27 \$3.30
DITCHER (2X) IRRIGATE (3X)	130 HP		1.50			\$11.25	\$31.59	\$0.20	\$2.85	\$3.30 \$45.69
SUBTOTAL		-	2.10	HR		\$16.38	\$48.94	\$4.39	\$11.94	\$81.64
HARVEST OPERATIONS										
SWATHER	14 FT		0.16	HR		\$1.37	\$2.40	\$0.23	\$3.49	\$7.49
RAKE	96 HP		0.05			\$0.43	\$1.07	\$0.09	\$0.31	\$1.90
BALER FRONT END LOADER	145 HP 130 HP		0.05 0.05			\$0.43 \$0.43	\$1.65 \$1.65	\$0.29 \$0.36	\$3.23 \$0.92	\$5.60 \$3.38
HAUL	SEMI		0.50			\$4.28	\$0.00	\$1.40	\$9.40	\$15.07
SUBTOTAL		-	0.81	HR		\$6.93	\$6.76	\$2.37	\$17.35	\$33.40
OVERHEAD EXPENSES										
DOWNTIME			0.35	HR		\$3.01				\$3.01
EMPLOYEE BENEFITS INSURANCE					\$0.47	\$4.19				\$4.19 \$0.47
LAND TAXES SUPERVISION AND MANAGEMENT						\$70.43			\$1.45	\$1.45 \$70.43
OTHER EXPENSES					\$43.11	\$70.43				\$43.11
SUBTOTAL		-	0.35	HR	\$43.57	\$77.64			\$1.45	\$122.66
OTAL OPERATING EXPENSES			3.26	HR	\$137.27	\$100.94	\$55.70	\$6.76	\$30.73	\$331.4
NET OPERATING PROFIT										\$643.59
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMEN	т	(	\$60.94	@	5.50%	)				\$3.35 \$11.07
RETURN TO LAND AND RISK										\$629.17
* Pump water costs are shown under irriga	tion in the preham	vest operatio								
GROSS RETURN		DODGET	\$975.00							
VARIABLE OPERATING EXPENSES		\$199.73	φυι υ.υυ							
DETUDN OVER VARIABLE EVDENOED			<b>6775 07</b>	(0000	O MAN DOINI)					

Pump water costs are snown under imgation in	BUDGET S		
GROSS RETURN		\$975.00	
VARIABLE OPERATING EXPENSES	\$199.73		
RETURN OVER VARIABLE EXPENSES		\$775.27	(GROSS MARGIN)
FIXED EXPENSES	\$30.73		
NET FARM INCOME		\$744.54	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$100.94		
NET OPERATING PROFIT		\$643.59	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$14.42		
RETURN TO LAND AND RISK		\$629.17	

TABLE 10. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area,

ITEM	DD105	VIELD		B 1 0 E					
ITEM	PRICE	YIELD		BASE					TOT
GROSS RETURNS COTTON LINT	\$0.90	750 L	BS						\$675.0
COTTON SEED	\$0.09	1,200 L							\$108.0
DIRECT PAYMENT	\$0.0000	750 L	BS	0.85					\$0.0
COUNTER CYCLICAL PAYMENT	\$0.1373	750 L	BS	0.85					\$87.5
TOTAL								-	\$870.5
PURCHASED INPUTS	PRICE	QUANTIT	Υ	PURCHASED INPUTS				FIXED COST	тот
	\$7.FF			\$151.00					6151
SEED NITROGEN (N)	\$7.55 \$0.50	20 L 32 L		\$16.00					\$151.0 \$16.0
PHOSPHATE (P205)	\$0.40	40 L		\$16.00					\$16.0
HERBICIDE	\$15.88	1 A	ACRE	\$15.88					\$15.
HERBICIDE (CUSTOM)	\$16.96		ACRE	\$16.96					\$16.
INSECTICIDE (CUSTOM) 2X	\$37.15	1 A	ACRE	\$37.15					\$37.
CROP INSURANCE PUMP WATER*		28 Δ	AC. IN.	\$0.98					\$0.
		20 7						_	
SUBTOTAL				\$253.97					\$253.
REHARVEST OPERATIONS	POWER UNIT	ACCOMPLISH RATE	MENT	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOT
DISC	145 HP	0.17 H	4R		\$1.45	\$5.61	\$1.89	\$2.74	\$11.
PLOW	145 HP	0.48 H			\$4.10	\$15.84	\$4.94	\$6.68	\$31.
FLOAT	130 HP	0.16 H	HR		\$1.37	\$5.28	\$0.64	\$2.77	\$10.
FERTILIZE	DEALER APPLIED								
LISTER	130 HP	0.18 H			\$1.54	\$5.94	\$1.07	\$4.07	\$12.
PRE-IRRIGATE	96 HP	0.75 H			\$5.63	\$10.53	\$0.00	\$0.95	\$17
CULT & SPRAY PLANTER	96 HP 130 HP	0.26 H 0.26 H			\$2.22 \$2.22	\$5.54 \$8.58	\$1.06 \$1.46	\$2.16 \$8.22	\$10 \$20
CULTIVATOR (3X)	96 HP	0.63 H			\$5.39	\$13.43	\$2.16	\$2.32	\$23
HAND HOE (CUSTOM)				\$20.00					\$20.
DITCHER (2X)	130 HP	0.10 H			\$0.86	\$3.30	\$0.40	\$2.04	\$6.
IRRIGATE (3X)		1.50 H	HR		\$11.25	\$31.59	\$0.00	\$2.85	\$45.
SUBTOTAL		4.49 H	·IR	\$20.00	\$36.03	\$105.64	\$13.62	\$34.80	\$210.
HARVEST OPERATIONS									
COTTON PICKER (2X)	2-ROW	1.24 H	HR.		\$10.60	\$30.00	\$8.87	\$123.73	\$173.
HAUL (2X)	65 HP	1.00 H	HR.		\$8.55	\$21.31	\$0.99	\$7.63	\$38.
GIN COTTON (CUSTOM)				\$123.60					\$123.
SUBTOTAL		2.24 H	HR	\$123.60	\$19.15	\$51.31	\$9.86	\$131.36	\$335.
POSTHARVEST OPERATIONS									
SHREDDER	96 HP	0.14 H	HR		\$1.20	\$4.62	\$0.60	\$3.12	\$9.
SUBTOTAL		0.14 H	-IR	-	\$1.20	\$4.62	\$0.60	\$3.12	\$9.
OVERHEAD EXPENSES									
DOWNTIME		1.16 H	HR.		\$9.88				\$9.
EMPLOYEE BENEFITS					\$10.15				\$10
INSURANCE				\$1.13				4	\$1.
LAND TAXES SUPERVISION AND MANAGEMENT					\$65.45			\$1.45	\$1. \$65.
OTHER EXPENSES				\$43.11					\$43.
SUBTOTAL		1.16 H		\$44.23	\$85.47			\$1.45	\$131.
OTAL OPERATING EXPENSES		8.03 H	·IR	\$441.80	\$141.85	\$161.57	\$24.08	\$170.72	\$940.
NET OPERATING PROFIT									(\$69.
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		( \$162.33	@	5.50%	)				\$8. \$11.
RETURN TO LAND AND RISK									(\$89.
* Pump water costs are shown under irrigation		ons section. ET SUMMARY							
GROSS RETURN		\$870.53							
VARIABLE OPERATING EXPENSES	\$627.4	5							
ETURN OVER VARIABLE EXPENSES	A	\$243.08	(GROS	S MARGIN)					
FIXED EXPENSES	\$170.7	4							
IET FARM INCOME		\$72.36	(RFTI II	RN TO CAPITAL, I	ABOR LAND	) & RISK)			

FIXED EXPENSES
NET FARM INCOME
LABOR AND MANAGEMENT COST
NET OPERATING PROFIT
CAPITAL COSTS
RETURN TO LAND AND RISK \$72.36 (RETURN TO CAPITAL, LABOR, LAND & RISK) \$141.85 (\$69.49) (RETURN TO CAPITAL, LAND & RISK) \$20.00 (\$89.49)

TABLE 11. Upland cotton (stripper), flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Projected 2014
Planting dates: April 15 - June 1
Harvesting dates: October 1 - December 31

Harvesting dates: October 1 - Dec	ember 31							
ITEM	PRICE	YIELD	BASE					TOTAL
GROSS RETURNS COTTON LINT COTTON SEED DIRECT PAYMENT COUNTER CYCLICAL PAYMENT	\$0.85 \$0.09 \$0.0000 \$0.1373	750 LBS 1,200 LBS 750 LBS 750 LBS	0.85 0.85					\$637.50 \$108.00 \$0.00 \$87.53
TOTAL								\$833.03
TOTAL								\$033.03
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED NITROGEN (N) PHOSPHATE (P205) HERBICIDE HERBICIDE (CUSTOM) INSECTICIDE (CUSTOM) 2X CROP INSURANCE PUMP WATER*	\$7.55 \$0.50 \$0.40 \$15.88 \$15.82 \$35.20	25 LBS 32 LBS 40 LBS 1 ACRE 1 ACRE 1 X/ACRI	\$0.98					\$188.75 \$16.00 \$16.00 \$15.88 \$15.82 \$35.20 \$0.98
SUBTOTAL			\$288.64				•	\$288.64
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	Γ PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
	ONT		1141 010	LIDOR	LODE	ILLI AIILO	0001	101712
DISC PLOW	145 HP 145 HP	0.17 HR 0.48 HR		\$1.45 \$4.10	\$5.61 \$15.84	\$1.89 \$4.94	\$2.74 \$6.68	\$11.69 \$31.56
FLOAT	130 HP	0.46 HR 0.16 HR		\$1.37	\$5.28	\$0.64	\$2.77	\$10.05
FERTILIZE	DEALER APPLIED							
LISTER	130 HP	0.18 HR		\$1.54	\$5.94	\$1.07	\$4.07	\$12.62
PRE-IRRIGATE CULT & SPRAY	96 HP	0.75 HR 0.26 HR		\$5.63 \$2.22	\$10.53 \$5.54	\$0.00 \$1.06	\$0.95 \$2.16	\$17.10 \$10.98
PLANTER	130 HP	0.26 HR		\$2.22	\$8.58	\$1.46	\$8.22	\$20.48
CULTIVATOR (3X)	96 HP	0.63 HR		\$5.39	\$13.43	\$2.16	\$2.32	\$23.29
HAND HOE (CUSTOM)			\$20.00					\$20.00
DITCHER (2X) IRRIGATE (3X)	130 HP	0.10 HR 1.50 HR		\$0.86 \$11.25	\$3.30 \$31.59	\$0.40 \$0.00	\$2.04 \$2.85	\$6.60 \$45.69
SUBTOTAL		4.49 HR	\$20.00	\$36.03	\$105.64	\$13.62	\$34.80	\$210.08
HARVEST OPERATIONS								
COTTON STRIPPER	96 HP	1.24 HR		\$10.60	\$40.91	\$6.06	\$34.33	\$91.91
HAUL	130 HP	1.50 HR		\$12.83	\$31.97	\$1.49	\$11.45	\$57.73
GIN COTTON (CUSTOM)			\$159.08					\$159.08
SUBTOTAL		2.74 HR	\$159.08	\$23.43	\$72.88	\$7.55	\$45.78	\$308.72
POSTHARVEST OPERATIONS								
SHREDDER	130 HP	0.14 HR		\$1.20	\$4.62	\$0.60	\$3.12	\$9.53
SUBTOTAL		0.14 HR		\$1.20	\$4.62	\$0.60	\$3.12	\$9.53
OVERHEAD EXPENSES								
DOWNTIME		1.28 HR		\$10.94				\$10.94
EMPLOYEE BENEFITS				\$10.92				\$10.92
INSURANCE			\$1.21				4	\$1.21
LAND TAXES SUPERVISION AND MANAGEMENT				\$63.07			\$1.45	\$1.45 \$63.07
OTHER EXPENSES			\$43.11	φ03.07				\$43.11
SUBTOTAL		1.28 HR	\$44.32	\$84.93			\$1.45	\$130.70
TOTAL OPERATING EXPENSES		8.65 HR	\$512.03	\$145.58	\$183.14	\$21.77	\$85.15	\$947.67
NET OPERATING PROFIT								(\$114.64)
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		( \$181.27 @	5.50%	)				\$9.97 \$31.51
RETURN TO LAND AND RISK								(\$156.12)
* Pump water costs are shown under irrigation i		s section. T SUMMARY						
GROSS RETURN		\$833.03						

* Pump water costs are shown under irrigation in the	prenarvest operations s BUDGET S		
GROSS RETURN		\$833.03	
VARIABLE OPERATING EXPENSES	\$716.94	*********	
RETURN OVER VARIABLE EXPENSES		\$116.09	(GROSS MARGIN)
FIXED EXPENSES	\$85.15		
NET FARM INCOME		\$30.94	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$145.58		
NET OPERATING PROFIT		(\$114.64)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$41.48		
RETURN TO LAND AND RISK		(\$156.12)	

TABLE 12. Corn silage, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Projected 2014
Planting dates: April 1 - April 15
Harvesting dates: August 1 - August 31

ITEM YIELD PRICE TOTAL GROSS RETURNS CORN FOR SILAGE 25.0 TONS \$48.00 STANDING \$1,200.00

SEED   S3.26   32 000   \$104.40	TOTAL									\$1,200.00
NITROGEN (N)   S0.50   200 LBS   \$100.00     S100.00     S100.00   S100.00     S100.00     S100.00     S100.00     S100.00     S100.00     S100.00     S100.00     S100.00     S100.00     S100.00   S100.	PURCHASED INPUTS	PRICE	QUAN	TITY						TOTAL
PREHARVEST OPERATIONS	NITROGEN (N) INSECTICIDE (CUSTOM) 2X CROP INSURANCE	\$0.50	200 1 400	LBS ACRE OOLLARS	\$100.00 \$44.42					\$104.40 \$100.00 \$44.42 \$20.00
PREHARVEST OPERATIONS	SUBTOTAL				\$268.82					\$268.82
PLOW	PREHARVEST OPERATIONS					LABOR		REPAIRS		TOTAL
DOWNTIME	PLOW FLOAT FERTILIZE LISTER PRE-IRRIGATE CULT & SPRAY PLANTER CULTIVATOR (2X) DITCHER (2X) IRRIGATE (5X)	145 HP 130 HP DEALER APPLIED 130 HP 96 HP 130 HP 96 HP	0.48 0.16 0.18 0.75 0.26 0.26 0.42 0.10 2.50	HR HR HR HR HR HR HR		\$4.10 \$1.37 \$1.54 \$5.63 \$2.22 \$2.22 \$3.59 \$0.86 \$18.75	\$15.84 \$5.28 \$5.94 \$12.03 \$5.54 \$8.58 \$8.95 \$3.30 \$60.17	\$4.94 \$0.64 \$1.07 \$0.00 \$1.06 \$1.46 \$1.44 \$0.40	\$6.68 \$2.77 \$4.07 \$1.09 \$2.16 \$8.22 \$1.55 \$2.04 \$5.43	\$11.69 \$31.56 \$10.05 \$12.62 \$18.74 \$10.98 \$20.48 \$15.53 \$6.60 \$84.35
TOTAL OPERATING EXPENSES 5.79 HR \$312.76 \$142.03 \$131.25 \$12.90 \$38.19 \$637.1  NET OPERATING PROFIT \$562.8  INTEREST ON OPERATING CAPITAL (\$170.44 @ 5.50% ) \$9.3  INTEREST ON EQUIPMENT INVESTMENT	DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT		0.51	HR		\$7.51			\$1.45	\$4.57 \$7.51 \$0.83 \$1.45 \$88.22 \$43.11
NET OPERATING PROFIT  INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT  \$170.44 @ 5.50% )  \$9.3  INTEREST ON EQUIPMENT INVESTMENT	SUBTOTAL		0.51	HR	\$43.94	\$100.29			\$1.45	\$145.68
INTEREST ON EQUIPMENT INVESTMENT \$14.8			5.79	HR	\$312.76	\$142.03	\$131.25	\$12.90	\$38.19	\$637.11 \$562.89
RETURN TO LAND AND RISK \$538.6			( \$170.44	@	5.50%	)				\$9.37 \$14.82
	RETURN TO LAND AND RISK									\$538.69

<sup>\*</sup> Pump water costs are shown under irrigation in the preharvest operations section. BUDGET SUMMARY

GROSS RETURN
VARIABLE OPERATING EXPENSES
RETURN OVER VARIABLE EXPENSES
FIXED EXPENSES
NET FARM INCOME
LABOR AND MANAGEMENT COST
NET OPERATING PROFIT
CAPITAL COSTS
RETURN TO LAND AND RISK \$1,200.00 \$456.90 \$743.10 (GROSS MARGIN) \$38.19 \$704.91 (RETURN TO CAPITAL, LABOR, LAND & RISK) \$142.03 \$562.89 (RETURN TO CAPITAL, LAND & RISK) \$24.19 \$538.69

TABLE 13. Summary of per acre costs and returns for a 640 acre farm with above average management, Roswell-Hagerman area, Chaves County, Projected 2014

Projected 2014							
	ALFALFA ESTABLISHMENT	ALFALFA HAY	WHEAT	OAT HAY	PICKER COTTON	STRIPPER COTTON	CORN SILAGE
		TONS	CWT	TONS	LBS	LBS	TONS
PRIMARY YIELD		6.50	40.00	5.00	750.00	750.00	25.00
PRIMARY PRICE		\$255.00	\$255.00	\$195.00	\$0.90	\$0.85	\$48.00
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$87.53	\$87.53	\$0.00
SECOND INCOME		\$0.00	\$44.00	\$0.00	\$108.00	\$108.00	\$0.00
GROSS RETURN		\$1,657.50	\$510.67	\$975.00	\$870.53	\$833.03	\$1,200.00
CASH OPERATING EXPENSES							
SEED	\$180.00		\$45.00	\$51.20	\$151.00	\$188.75	\$104.40
FERTILIZER		\$82.00	\$95.00	\$42.50	\$32.00	\$32.00	\$100.00
CHEMICALS	\$13.38	\$72.59	\$19.17		\$69.99	\$66.91	\$44.42
CROP INSURANCE			\$0.98		\$0.98	\$0.98	\$20.00
OTHER PURCHASED INPUTS		\$0.20					
CANAL WATER							
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$61.89	\$33.36	\$34.83	\$24.11	\$119.44	\$141.02	\$59.04
FUEL-IRRIGATION	\$24.07	\$81.23	\$42.12	\$31.59	\$42.12	\$42.12	\$72.21
REPAIRS	\$13.37	\$6.45	\$9.53	\$6.76	\$24.08	\$21.77	\$12.90
CUSTOM CHARGES		A	\$34.84	A	\$143.60	\$179.08	
LAND TAXES		\$1.45	\$1.45	\$1.45	\$1.45	\$1.45	\$1.45
OTHER EXPENSES	\$0.45	\$43.88	\$43.60	\$43.57	\$44.23	\$44.32	\$43.94
TOTAL CASH EXPENSES	\$293.16	\$321.17	\$326.53	\$201.18	\$628.89	\$718.39	\$458.35
RETURN OVER CASH EXPENSES	(\$293.16)	\$1,336.33	\$184.14	\$773.82	\$241.63	\$114.64	\$741.65
FIXED EXPENSES	\$34.71	\$146.42	\$20.58	\$29.29	\$169.27	\$83.70	\$36.74
TOTAL EXPENSES	\$327.87	\$467.58	\$347.11	\$230.46	\$798.17	\$802.08	\$495.09
NET FARM INCOME	(\$327.87)	\$1,189.92	\$163.55	\$744.54	\$72.36	\$30.94	\$704.91
LABOR AND MANAGEMENT COSTS	\$56.96	\$169.76	\$69.78	\$100.94	\$141.85	\$145.58	\$142.03
NET OPERATING PROFIT	(\$384.84)	\$1,020.16	\$93.77	\$643.59	(\$69.49)	(\$114.64)	\$562.89
CAPITAL COSTS							
INTEREST ON OPERATING CAPITAL		\$5.56	\$5.75	\$3.35	\$8.93	\$9.97	\$9.37
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		\$23.06	\$9.13	\$3.33 \$11.07	\$11.07	\$31.51	\$14.82
WATERCOT ON EACH MENT WATERWEIT		Ψ20.00	ψ5.10	ψ11.07	φιι.σι	ψ01.01	Ψ14.02
TOTAL CAPITAL COSTS	\$0.00	\$28.61	\$14.88	\$14.42	\$20.00	\$41.48	\$24.19
RETURN TO LAND AND RISK	(\$384.84)	\$991.55	\$78.89	\$629.17	(\$89.49)	(\$156.12)	\$538.69

TABLE 14. Whole farm summary, Roswell-Hagerman area, Chaves County, Projected 2014

Projected 2014					
GROSS RETURNS					
ALFALFA HAY	300	ACRES			
CROP	300	ACINES	\$497,250		
WHEAT	51	ACRES	φ491,230		
	51	ACRES	<b>#00.000</b>		
CROP			\$23,800		
GRAZING			\$2,244		
DIRECT PAYMENT			\$0		
COUNTER CYCLICAL PAYMENT			\$0		
SMALL GRAINS	87	ACRES			
CROP			\$84,825		
UPLAND COTTON (PICKER)	51.00	ACRES			
COTTON LINT			\$34,425		
COTTON SEED			\$5,508		
DIRECT PAYMENT			\$0		
COUNTER CYCLICAL PAYMENT			\$4,464		
UPLAND COTTON (STRIPPER)	51.00	ACRES	ψ+,+0+		
, ,	31.00	ACINES	<b>#20 E42</b>		
COTTON LINT			\$32,513		
COTTON SEED			\$5,508		
DIRECT PAYMENT			\$0		
COUNTER CYCLICAL PAYMENT			\$4,464		
CORN	60.00	ACRES			
CROP			\$72,000		
ODOGO DETUDU				-	A=======
GROSS RETURN					\$767,000
CASH OPERATING EXPENSES					
SEED SEED			¢44 444		
			\$41,141		
FERTILIZER			\$42,407		
CHEMICALS					
CROP INSURANCE			\$1,350		
OTHER PURCHASED INPUTS			\$60		
CANAL WATER			\$0		
FUEL, OIL & LUBRICANTS-EQUIPMENT			\$34,422		
FUEL-IRRIGATION			\$39,340		
REPAIRS			\$6,925		
CUSTOM CHARGES			\$18,233		
LAND TAXES			\$869		
OTHER EXPENSES			\$26,359		
5 THE TEXT EXISES			Ψ20,000		
TOTAL CASH EXPENSES			-	\$211,104	
RETURN OVER CASH EXPENSES					\$555,896
FIXED EXPENSES			\$41,621		
TOTAL EXPENSES				<b>#050 705</b>	
TOTAL EXPENSES				\$252,725	
NET FARM INCOME					\$514,276
NET I ARM INCOME					ψ514,270
LABOR AND MANAGEMENT COSTS			\$89,866		
			φου,σου		
NET OPERATING PROFIT					\$424,410
-					
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL			\$3,778		
INTEREST ON EQUIPMENT INVESTMEN	IT		\$11,407		
THE REAL PROPERTY OF THE PROPE	• •		Ψ11,+07		
TOTAL CAPITAL COSTS			-	\$15,185	
TOTAL SALTIAL GOOTS				ψ10,100	
RETURN TO LAND AND RISK					\$409,225
				=	

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$1,000 /ACRE	\$390,025	47.53%
\$3,000 /ACRE	\$351,625	19.53%
\$5,000 /ACRE	\$313,225	12.29%
\$7,000 /ACRE	\$274,825	8.97%
\$9,000 /ACRE	\$236,425	7.06%

 $<sup>^{\</sup>star}$  RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)  $^{\star\star}$  NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)