TABLE 6. WHEAT, SPRINKLER IRRIGATED, BUDGETED PER ACRE COSTS AND RETURNS FOR A 700 ACRE FARM WITH ABOVE AVERAGE MANAGEMENT, COTTON CITY-ANIMAS AREA, HIDALGO COUNTY PLANTING DATES: DECEMBER 10 - DECEMBER 20

Projected 2015 HARVEST DATES: JUNE 15 - JULY 1

STATE   STAT	ITEM	PRICE		YIELD							TOTAL
TOTAL  PURCHASED INPUTS  PRICE  QUANTITY  SEED  \$0.45  ANHYDROUS AMMONIA (NH3) \$0.33  \$250 LBS \$45.00  ANHYDROUS MIMONIA (NH3) \$0.33  \$250 LBS \$31.25  NITROGEN (N) \$0.45  30 LBS \$31.50  PHOSPHATE (P205) \$0.40  80 LBS \$32.00  PUMP WATER' CROP INSURANCE SUBTOTAL  PREHARVEST OPERATIONS  DISC  185 HP  0.14 HR  \$1.20  \$1		\$7.00		50	CWT						\$350.00
PURCHASED INPUTS PRICE QUANTITY  SEED \$0.45   100 LBS \$45.00   100 LBS \$45		Ψ1.00		00	0111					-	
PURCHASED INPUTS PRICE QUANTITY  SEED \$0.45   100 LBS \$45.00   100 LBS \$45	TOTAL					PRICED					\$350.00
ANHYDROUS AMMONIA (NH3) \$0.33 250 LBS \$1.25 NITROGEN (N) \$0.45 30 LBS \$13.50 PHOSPHATE (P205) \$0.40 80 LBS \$32.00 PUMP WATER* 24 ACRE IN. CROP INSURANCE SUBTOTAL PWER ACCOMPLISHME NT RATE INPUTS LABOR LUBE REPAIRS COSTS TO SUBTOTAL PRINCIPLE 185 HP 0.14 HR \$1.20 \$5.16 \$1.13 \$3.85 PERTILIZE 185 HP 0.05 HR \$0.43 \$1.84 \$0.40 \$1.37 DRAG (2X) 96 HP 0.2 HR \$1.71 \$2.69 \$2.38 \$1.08 ANHYDROUS KNIVES 185 HP 0.18 HR \$0.48 \$1.71 \$2.69 \$2.38 \$1.08 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 DRILL 96 HP 0.25 HR \$1.54 \$2.42 \$2.13 \$0.00 DRILL 96 HP 0.25 HR \$1.54 \$2.42 \$2.13 \$0.00 SIRRIGATE (4X) DISC 96 HP 0.25 HR \$1.27 \$2.50 \$3.37 \$2.95 \$0.00 \$33.75 SIRRIGATE (AX) SUBTOTAL \$1.52 HR \$1.23 \$2.22 HARVEST OPERATIONS  COMBINE (CUSTOM) \$2.2.50 S0.00 \$3.2.50 SUBTOTAL \$3.2.22 S0.00 SIRRIGATE (CUSTOM) \$2.2.50 S0.00 \$3.2.50 SIRRIGATE (CUSTOM) \$2.2.50 S0.00 SIRRIGATE (CUST	PURCHASED INPUTS	PRICE		QUANTITY		INPUTS					TOTAL
ANHYDROUS AMMONIA (NH3) \$0.33 250 LBS \$1.25 NITROGEN (N) \$0.45 30 LBS \$13.50 PHOSPHATE (P205) \$0.40 80 LBS \$32.00 PUMP WATER* 24 ACRE IN. CROP INSURANCE SUBTOTAL PWER ACCOMPLISHME NT RATE INPUTS LABOR LUBE REPAIRS COSTS TO SUBTOTAL PRINCIPLE 185 HP 0.14 HR \$1.20 \$5.16 \$1.13 \$3.85 PERTILIZE 185 HP 0.05 HR \$0.43 \$1.84 \$0.40 \$1.37 DRAG (2X) 96 HP 0.2 HR \$1.71 \$2.69 \$2.38 \$1.08 ANHYDROUS KNIVES 185 HP 0.18 HR \$0.48 \$1.71 \$2.69 \$2.38 \$1.08 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 DRILL 96 HP 0.25 HR \$1.54 \$2.42 \$2.13 \$0.00 DRILL 96 HP 0.25 HR \$1.54 \$2.42 \$2.13 \$0.00 SIRRIGATE (4X) DISC 96 HP 0.25 HR \$1.27 \$2.50 \$3.37 \$2.95 \$0.00 \$33.75 SIRRIGATE (AX) SUBTOTAL \$1.52 HR \$1.23 \$2.22 HARVEST OPERATIONS  COMBINE (CUSTOM) \$2.2.50 S0.00 \$3.2.50 SUBTOTAL \$3.2.22 S0.00 SIRRIGATE (CUSTOM) \$2.2.50 S0.00 \$3.2.50 SIRRIGATE (CUSTOM) \$2.2.50 S0.00 SIRRIGATE (CUST	SEED	<b>\$</b> 0.45		100	I RQ	\$45.00					\$45.00
PHOSPHATE (P205)	ANHYDROUS AMMONIA (NH3)	\$0.33		250	LBS	\$81.25					\$81.25
SUBTOTAL   POWER   ACCOMPLISHME   PURCHASED   INPUTS   LABOR   FUEL & FIXED   FIXED   INPUTS   LABOR   FUEL & FIXED   FIXED   INPUTS   LABOR   FUEL & FIXED   FIXED   INPUTS   LABOR   FUEL & FIXED   INPUTS   INPU	PHOSPHATE (P2O5)			80	LBS						\$13.50 \$32.00
POWER   ACCOMPLISHME   PURCHASED   INPUTS   LABOR   LUBE   REPAIRS   COSTS   TOTAL				24	ACRE IN.						
DISC	SUBTOTAL					\$171.75				•	\$171.75
DISC 185 HP 0.14 HR \$1.20 \$5.16 \$1.13 \$3.85 FERTILIZE 185 HP 0.05 HR \$0.43 \$1.84 \$0.40 \$1.37 DRAG (2X) 96 HP 0.2 HR \$1.71 \$2.69 \$2.38 \$1.08 ANHYDROUS KNIVES 185 HP 0.1 HR \$0.86 \$3.68 \$0.81 \$0.00 DRILL 96 HP 0.18 HR \$1.71 \$2.69 \$2.38 \$1.08 ANHYDROUS KNIVES 185 HP 0.1 HR \$0.86 \$3.68 \$0.81 \$0.00 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 DRICC 96 HP 0.25 HR \$4.50 \$4.50 \$0.00 \$33.75 \$1.00 DRICC 96 HP 0.25 HR \$4.50 \$4.50 \$0.00 \$33.75 \$1.00 DRICC 96 HP 0.25 HR \$4.50 \$4.50 \$0.00 \$33.75 \$1.00 DRICC 96 HP 0.25 HR \$12.37 \$23.67 \$9.80 \$40.05 \$1.00 DRICC 96 HP 0.25 HR \$12.37 \$23.67 \$9.80 \$40.05 \$1.00 DRICC 96 HP 0.25 HR \$12.37 \$23.67 \$9.80 \$40.05 \$1.00 DRICC 96 HP 9.50 DR		POWER		ACCOMPLISHME		PURCHASED		FUEL &		FIXED	
FERTILIZE 185 HP 0.05 HR \$0.43 \$1.84 \$0.40 \$1.37 DRAG (2X) 96 HP 0.2 HR \$1.71 \$2.69 \$2.38 \$1.08 ANHYDROUS KNIVES 185 HP 0.1 HR \$0.86 \$3.68 \$0.81 \$0.00 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 IRRIGATE (4X) 0.6 HR \$4.50 \$4.50 \$0.00 \$33.75 INSURANCE LAND TAXES \$0.25 \$0.25 LAND TAXES	PREHARVEST OPERATIONS	UNIT		NT RATE		INPUTS	LABOR	LUBE	REPAIRS	COSTS	TOTAL
DRAG (2X) 96 HP 0.2 HR \$1.71 \$2.69 \$2.38 \$1.08 ANHYDROUS KNIVES 185 HP 0.1 HR \$0.66 \$3.68 \$0.81 \$0.00 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 IRRIGATE (4X) 0.6 HR \$4.50 \$4.50 \$0.00 \$33.75 : 0.00 DISC 96 HP 0.25 HR \$2.14 \$3.37 \$2.95 \$0.00 SUBTOTAL 1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 : 0.00 DISC SUBTOTAL 1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 : 0.00 DISC SUBTOTAL \$1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 : 0.00 DISC SUBTOTAL \$1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 : 0.00 DISC SUBTOTAL \$1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 : 0.00 DISC SUBTOTAL \$1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 : 0.00 DISC SUBTOTAL \$32.22 SUBTOTAL \$32.22 SUBTOTAL \$32.25 SUBTOTAL \$32.25 SUBTOTAL \$40.05 SUBTOTAL											\$11.34
ANHYDROUS KNIVES 185 HP 0.1 HR \$0.86 \$3.68 \$0.81 \$0.00 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 S1.55 HR \$1.54 \$2.42 \$2.13 \$0.00 S1.55 HR \$1.52 HR \$1.54 \$2.42 \$2.13 \$0.00 S1.55 HR \$1.52 HR \$1.53 \$2.67 \$9.80 \$40.05 \$1.55 HR \$1.55 HR \$1.33 \$2.25 \$1.55 \$1.											\$4.05 \$7.86
DRILL 96 HP 0.18 HR \$1.54 \$2.42 \$2.13 \$0.00 IRRIGATE (4X) 0.6 HR \$4.50 \$4.50 \$0.00 \$33.75 INSURANCE LAND TAXES \$0.25 HR \$1.33 \$0.00 \$1.52 HR \$1.33											\$5.35
DISC 96 HP 0.25 HR \$2.14 \$3.37 \$2.95 \$0.00  SUBTOTAL 1.52 HR \$12.37 \$23.67 \$9.80 \$40.05 :  HARVEST OPERATIONS  COMBINE (CUSTOM) \$32.22 : HAUL TO STORAGE (CUSTOM) \$9.50		96 HP		0.18	HR					\$0.00	\$6.09
SUBTOTAL   1.52 HR   \$12.37 \$23.67 \$9.80 \$40.05											\$42.75
HARVEST OPERATIONS   \$32.22   \$32.22   \$32.22   \$33.22	DISC	96 HP		0.25	HR		\$2.14	\$3.37	\$2.95	\$0.00	\$8.46
COMBINE (CUSTOM)   \$32.22	SUBTOTAL			1.52	HR		\$12.37	\$23.67	\$9.80	\$40.05	\$85.89
HAUL TO STORAGE (CUSTOM) HAUL TO MARKET (CUSTOM)  SUBTOTAL  OVERHEAD EXPENSES  DOWNTIME DOWNT	HARVEST OPERATIONS										
SUBTOTAL   \$22.50   SUBTOTAL   \$64.22   SUBT	COMBINE (CUSTOM)					\$32.22					\$32.22
SUBTOTAL     \$64.22       OVERHEAD EXPENSES     ***       DOWNTIME     0.155 HR     \$1.33       EMPLOYEE BENEFITS     \$2.23       INSURANCE     \$0.25       LAND TAXES     \$2.57		)									\$9.50
OVERHEAD EXPENSES         0.155 HR         \$1.33           DOWNTIME         0.155 HR         \$1.33           EMPLOYEE BENEFITS         \$2.23           INSURANCE         \$0.25           LAND TAXES         \$2.57	HAUL TO MARKET (CUSTOM)					\$22.50					\$22.50
DOWNTIME 0.155 HR \$1.33 EMPLOYEE BENEFITS \$2.23 INSURANCE \$0.25 LAND TAXES \$0.25	SUBTOTAL					\$64.22					\$64.22
EMPLOYEE BENEFITS \$2.23 INSURANCE \$0.25 LAND TAXES \$2.57	OVERHEAD EXPENSES	-									
INSURANCE \$0.25 LAND TAXES \$2.57	DOWNTIME			0.155	HR		\$1.33				\$1.33
LAND TAXES \$2.57						***	\$2.23				\$2.23
· · · · · · · · · · · · · · · · · · ·						\$0.25				¢2 57	\$0.25 \$2.57
		ENT					\$25.51			Ψ2.57	\$25.51
						\$75.69					\$75.69
SUBTOTAL 0.155 HR \$75.93 \$29.06 \$2.57 \$	SUBTOTAL			0.155	HR	\$75.93	\$29.06			\$2.57	\$107.57
TOTAL OPERATING EXPENSES 1.675 HR \$311.90 \$41.43 \$23.67 \$9.80 \$42.63 \$	TOTAL OPERATING EXPENSES			1.675	HR	\$311.90	\$41.43	\$23.67	\$9.80	\$42.63	\$429.43
NET OPERATING PROFIT	NET OPERATING PROFIT										-\$79.43
INTEREST ON OPERATING CAPITAL ( \$99.59 @ 5.50%) INTEREST ON EQUIPMENT INVESTMENT			(	\$99.59	@	5.50%)					\$5.48 \$6.48
RETURN TO LAND AND RISK	RETURN TO LAND AND RISK										-\$91.39

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

## BUDGET SUMMARY

GROSS RETURN VARIABLE OPERATING EXPENSES	\$345.38	\$350.00	
RETURN OVER VARIABLE EXPENSES	φο 10.00	\$4.62	(GROSS MARGIN)
FIXED EXPENSES	\$42.63		
NET FARM INCOME		-\$38.00	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$41.43		
NET OPERATING PROFIT		-\$79.43	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$11.96		
RETURN TO LAND AND RISK		-\$91.39	

TABLE 7. CORN FOR GRAIN, SPRINKLER IRRIGATED, BUDGETED PER ACRE COSTS AND RETURNS FOR A 700 ACRE FARM WITH AVERAGE MANAGEMENT, COTTON CITY-ANIMAS AREA, HIDALGO COUNTY Projected 2015
PLANTING DATES: APRIL 1 - MAY 15
HARVEST DATES: SEPTEMBER 15 - NOVEMBER 1

HARVEST DATES	: SEPTEME	BER 15 - NO	OVEMBER	1						
ITEM	PRICE		YIELD							TOTAL
GROSS RETURNS CORN FOR GRAIN	\$4.30		85	CWT					-	\$365.50
TOTAL										\$365.50
					PURCHASE					
PURCHASED INPUT:	PRICE		QUA	YTITY	D INPUTS					TOTAL
SEED ANHYDROUS AMMONIA (NH NITROGEN (N) PHOSPHATE (P205) HERBICIDE PUMP WATER* CROP INSURANCE	\$0.91 \$0.33 \$0.45 \$0.40 \$7.83		250 80 100 1	000 LBS LBS LBS ACRE AC. IN.	\$29.00 \$81.25 \$36.00 \$40.00 \$7.83					\$29.00 \$81.25 \$36.00 \$40.00 \$7.83
SUBTOTAL					\$194.08					\$194.08
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPL RA		PURCHASE D INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COSTS	TOTAL
RIPPER DISC & SPRAY FERTILIZE ANHYDROUS KNIVES PLANTER CULTIVATOR (2X) IRRIGATE (12X)	185 HP 185 HP 185 HP 185 HP 185 HP 96 HP		0.15 0.05 0.1 0.26 0.42	HR HR HR		\$1.71 \$1.28 \$0.43 \$0.86 \$2.22 \$3.59 \$13.50	\$7.37 \$1.28 \$1.84 \$3.68 \$9.58 \$5.65 \$24.24	\$1.78 \$0.00 \$0.40 \$0.81 \$2.10 \$4.96 \$24.34	\$6.29 \$10.97 \$1.37 \$2.75 \$3.45 \$2.63 \$16.70	\$17.15 \$13.53 \$4.05 \$8.10 \$17.36 \$16.84 \$78.78
SUBTOTAL			2.98	HR		\$23.59	\$53.65	\$34.40	\$44.17	\$155.80
HARVEST OPERATIONS	_									
COMBINE (CUSTOM) HAUL TO STORAGE (CUSTO HAUL TO MARKET (CUSTOM					\$30.60 \$17.00 \$38.25					\$30.60 \$17.00 \$38.25
SUBTOTAL					\$85.85	\$0.00	\$0.00	\$0.00	\$0.00	\$85.85
POSTHARVEST OPERATIONS	<u>-</u>									
SHREDDER	80 HP		0.14	HR		\$1.20	\$1.88	\$1.91	\$1.62	\$6.62
OVERHEAD EXPENSES	-									
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGE OTHER EXPENSES	EMENT		0.33	HR	\$0.50 \$75.69	\$2.82 \$4.46 \$28.05			\$2.57	\$2.82 \$4.46 \$0.50 \$2.57 \$28.05 \$75.69
SUBTOTAL			0.33	HR	\$76.18	\$35.33			\$2.57	\$114.08
TOTAL OPERATING EXPENSES	6		3.45	HR	\$356.12	\$60.11	\$55.53	\$36.31	\$48.37	\$556.43
NET OPERATING PROFIT										-\$190.93
INTEREST ON OPERATING O		( NT	\$127.16	@	5.50%)					\$6.99 \$11.71
RETURN TO LAND AND RISK										-\$209.64
* Pump water costs are shown	under irriga				ection.					•
GROSS RETURN VARIABLE OPERATING EXPEI RETURN OVER VARIABLE EXP FIXED EXPENSES NET FARM INCOME LABOR AND MANAGEMENT C NET OPERATING PROFIT	ENSES	\$447.95 \$48.37 \$60.11	\$365.50 -\$82.45 -\$130.82 -\$190.93	(GROS:	S MARGIN) RN TO CAPITAL, RN TO CAPITAL,			SK)		
CAPITAL COSTS RETURN TO LAND AND RISK		\$18.71	-\$209.64				-			

TABLE 8. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County Projected 2015

ITEM	PRICE	YIELD							
IIEW	PRICE	YIELD							TOTA
GROSS RETURNS									
GRAIN SORGHUM	\$7.06	62	CWT						\$437.99
ASCS DIVERSION	\$0.00	0	CWT						\$0.00
ASCS DEFICIENCY	\$0.00	0	CWT						\$0.00
TOTAL								-	\$437.9
PURCHASED INPUTS	PRICE	QUANT	ITV	INPUTS					TOTAI
SEED	\$1.31		LBS	\$10.48					\$10.4
ANHYDROUS AMMONIA (NH			LBS	\$58.50					\$58.5
HERBICIDE	\$9.46		ACRE	\$9.46					\$9.4
INSECTICIDE (CUSTOM)	\$10.07		ACRE	\$10.07					\$10.0
PUMP WATER*		30	AC. IN.						
CROP INSURANCE SUBTOTAL	\$0.37			\$0.37 \$88.87				-	\$0.3° \$88.8°
	DOWER	ACCOMP	ICHMEN			ELIEL 0		EIVED	
PREHARVEST OPERATIONS	POWER UNIT		TE TE	T PURCHASE D INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COSTS	TOTAL
RIPPER	185 HP	0.2	HR		\$1.71	\$7.37	\$1.78	\$6.29	\$17.1
DISC	185 HP		HR		\$1.20	\$5.16	\$1.70	\$4.47	\$12.2
FERTILIZE	185 HP		HR		\$0.43	\$1.84	\$0.40	\$1.37	\$4.0
DRAG (2X)	96 HP		HR		\$1.71	\$2.69	\$2.38	\$1.08	\$7.8
DISC & SPRAY	185 HP		HR		\$1.28	\$5.53	\$1.87	\$5.42	\$14.1
LISTER		0.13							\$14.1 \$15.4
	185 HP				\$1.54	\$6.63	\$1.64	\$5.66	\$15.4 \$15.0
PRE-IRRIGATE	00.110		HR		\$5.63	\$6.27	\$0.29	\$2.87	*
ROLLING CULT	96 HP	0.21			\$1.80	\$2.83	\$2.74	\$1.91	\$9.2
PLANTER	96 HP		HR		\$2.22	\$3.50	\$5.08	\$3.70	\$14.5
CULTIVATOR (2X)	96 HP		HR		\$3.59	\$5.65	\$4.96	\$2.63	\$16.8
ROTO BUCK (7X)	96 HP	0.105			\$0.90	\$1.41	\$1.27	\$0.94	\$4.5
IRRIGATE (5X)		2.5	HR		\$18.75	\$31.34	\$1.46	\$14.35	\$65.9
SUBTOTAL		5.165	HR		\$40.75	\$80.22	\$25.25	\$50.70	\$196.9
HARVEST OPERATIONS									
COMBINE (CUSTOM)				\$22.94					\$22.9
HAUL TO STORAGE (CUSTO	M)			\$11.78					\$11.7
SUBTOTAL				\$34.72	\$0.00	\$0.00	\$0.00	\$0.00	\$34.7
POST HARVEST OPERATIONS									
SHREDDER	80 HP	0.14	HR		\$1.20	\$1.88	\$1.91	\$1.62	\$6.6
OVERHEAD EXPENSES	<u>.</u>								
DOWNTIME		0.51375	HR		\$4.39				\$4.3
EMPLOYEE BENEFITS					\$7.55				\$7.5
INSURANCE				\$0.84					\$0.8
LAND TAXES								\$2.57	\$2.5
SUPERVISION AND MANAGE	EMENT				\$34.94				\$34.9
OTHER EXPENSES				\$75.69	• • • •				\$75.6
SUBTOTAL		0.51375	HR	\$76.53	\$46.88			\$2.57	\$125.9
TOTAL OPERATING EXPENSES	3	5.81875	HR	\$200.11	\$88.82	\$82.10	\$27.16	\$54.90	\$453.1
NET OPERATING PROFIT									-\$15.1
INTEREST ON OPERATING ( INTEREST ON EQUIPMENT I		\$74.64	@	5.50%)					\$4.1 \$18.5
RETURN TO LAND AND RISK									-\$37.8
* Pump water costs are shown		the preharvest DGET SUMMA		s section.					
GROSS RETURN		\$437.99							
VARIABLE OPERATING EXPE RETURN OVER VARIABLE EXP				SS MARGIN)					

GROSS RETURN VARIABLE OPERATING EXPENSES	\$309.38	\$437.99	
RETURN OVER VARIABLE EXPENSES	\$309.36	\$128.61	(GROSS MARGIN)
FIXED EXPENSES	\$54.90		
NET FARM INCOME		\$73.71	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$88.82		
NET OPERATING PROFIT		-\$15.11	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$22.69		
RETURN TO LAND AND RISK		-\$37.81	

TABLE 9. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County Projected 2015

Planting dates: April 15 - May 15

Planting dates: October 15 - January 1

Harvesting dates:	PRICE	January I	YIELD							
IIEM	PRICE		TIELD							TOTAL
GROSS RETURNS COTTON LINT	\$0.90		1060	I DC						\$954.00
COTTON SEED	\$0.90		1696							\$82.68
TOTAL									-	\$1,036.68
TOTAL					B. (B. C. ( ) C. (					ψ1,030.00
PURCHASED INPUTS	PRICE		QU	ANTITY	PURCHASE D INPUTS					TOTAL
SEED	\$7.55		25	LBS	\$188.75					\$188.75
NITROGEN (N)	\$0.45		32	LBS	\$14.40					\$14.40
PHOSPHATE (P2O5) HERBICIDE	\$0.40 \$9.46		40 1	LBS ACRE	\$16.00 \$9.46					\$16.00 \$9.46
CROP INSURANCE	\$0.00		1	DOLLARS						\$0.00
PUMP WATER*			28	AC. IN.						
SUBTOTAL					\$228.61				-	\$228.61
	POWER				PURCHASE		FUEL		FIXED	
PREHARVEST OPERATIONS	UNIT		RA	TE	D INPUTS	LABOR	& LUBE	REPAIRS	COST	TOTAL
RIPPER DISC	185 HP 185 HP		0.1 0.14	HR HR		\$0.86 \$1.20	\$3.68 \$5.16	\$0.89 \$1.37	\$3.15 \$4.47	\$8.58 \$12.20
FERTILIZE	185 HP 185 HP		0.14			\$1.20 \$0.43	\$5.16 \$1.84	\$1.37 \$0.40	\$4.47 \$1.37	\$12.20
DRAG (2X)	96 HP			HR		\$1.71	\$2.69	\$2.38	\$1.08	\$7.86
DISC & SPRAY LISTER	185 HP 185 HP		0.15 0.18			\$1.28 \$1.54	\$5.53 \$6.63	\$1.87 \$1.64	\$5.42 \$5.66	\$14.11 \$15.46
PRE-IRRIGATE	100111			HR		\$7.50	\$7.02	\$0.33	\$3.21	\$18.06
ROLLING CULT.	96 HP		0.21			\$1.80	\$2.83	\$2.74	\$1.91	\$9.28
PLANTER CULTIVATOR (2X)	96 HP 96 HP		0.26 0.42			\$2.22 \$3.59	\$3.50 \$5.65	\$5.08 \$4.96	\$3.70 \$2.63	\$14.50 \$16.84
HAND HOE (CUSTOM)	001				\$15.00	ψ0.00	ψ0.00	ψσσ	Ψ2.00	\$15.00
ROTO BUCK (5X) IRRIGATE (4X)	96 HP		0.075 4	HR HR		\$0.64 \$30.00	\$1.01 \$28.08	\$0.90 \$1.31	\$0.67 \$12.86	\$3.23 \$72.24
SUBTOTAL			6.785		\$15.00	\$52.76	\$73.62	\$23.88	\$46.14	\$211.40
HARVEST OPERATIONS					******	**	*****	<b>V</b>	*	*=
	_									
COTTON PICKER (2X) COTTON TRAILER (2X)	2 ROW HALF TON		1.24	HR HR		\$10.60 \$8.55	\$26.62 \$15.75	\$57.35 \$2.79	\$41.12 \$8.41	\$135.69 \$35.50
GIN COTTON (CUSTOM)	TIALF TON		'	TIK	\$115.75	φ0.55	\$15.75	φ2.79	φο.41	\$115.75
SUBTOTAL			2.24	HR	\$115.75	\$19.15	\$42.37	\$60.14	\$49.52	\$286.94
POSTHARVEST OPERATIONS	_									
SHREDDER	80 HP		0.14	HR		\$1.20	\$1.88	\$1.91	\$1.62	\$6.62
OVERHEAD EXPENSES										
DOWNTIME	_		1.04125	ШΒ		\$8.90				\$8.90
EMPLOYEE BENEFITS			1.04123	TIIX		\$13.16				\$13.16
INSURANCE					\$1.46				<b>60.57</b>	\$1.46
LAND TAXES SUPERVISION AND MANAG	EMENT					\$79.65			\$2.57	\$2.57 \$79.65
OTHER EXPENSES					\$75.69	,				\$75.69
SUBTOTAL			1.04125	HR	\$77.15	\$101.71			\$2.57	\$181.44
TOTAL OPERATING EXPENSE	S		10.20625	HR	\$436.51	\$174.82	\$117.88	\$85.93	\$99.86	\$915.00
NET OPERATING PROFIT										\$121.68
INTEREST ON OPERATING INTEREST ON EQUIPMENT		Г (	\$157.82	@	5.50% )	)				\$8.68 \$35.66
RETURN TO LAND AND RISK										\$77.34
* Pump water costs are show	n under irrigat	ion in the	preharvest	operations :	section.					
		BUDGE	T SUMMA	RY						
GROSS RETURN			\$1,036.68							
VARIABLE OPERATING EXPERETURN OVER VARIABLE EXI		\$640.32	\$396.36	(GPOSS	MARGINI)					
FIXED EXPENSES	LINOLO	\$99.86	ψυσυ.30	(GROS	S MARGIN)					
NET FARM INCOME	COST	\$174 00	\$296.50	(RETUR	N TO CAPITAL	., LABOR, I	LAND & RIS	SK)		
LABOR AND MANAGEMENT ( NET OPERATING PROFIT	5031	\$174.82	\$121.68	(RETUR	N TO CAPITAL	., LAND & I	RISK)			
CAPITAL COSTS		\$44.34								

TABLE 10 Green chile, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Cotton City-Animas Area, Hidalgo County Projected 2015

Planting dates: March 15 - May 1

Harvesting dates: August 15 - September 15

Harvesting dates: Ma			r 15							
ITEM	PRICE		YIELD							TOTAL
GROSS RETURNS										
GREEN CHILE	\$475.00			TONS						\$4,750.00
RED CHILE	\$0.00		0	LBS						\$0.00
TOTAL										\$4,750.00
PURCHASED INPUT:	PRICE		QUA	ANTITY	D INPUTS					TOTAL
SEED	\$22.00		4	LBS	\$88.00					\$88.00
ANHYDROUS AMMONIA (NH				LBS	\$97.50					\$97.50
NITROGEN (N)	\$0.45			LBS	\$27.00					\$27.00
PHOSPHATE (P2O5) HERBICIDE	\$0.40 \$12.57			LBS ACRE	\$60.00 \$12.57					\$60.00 \$12.57
INSECTICIDE	\$12.57			ACRE	\$12.57					\$12.57
CROP INSURANCE PUMP WATER*	\$0.00		1	DOLLARS AC. IN.	\$0.00					\$0.00
SUBTOTAL			34	AC. IIV.	\$297.63				,	\$297.63
SOBTOTAL	POWER		ACCOMPI	ISHMENIT	PURCHASE		FUEL		FIXED	\$297.03
PREHARVEST OPERATIONS	UNIT		RA		D INPUTS	LABOR	& LUBE	REPAIRS	COST	TOTAL
DISC	185 HP		0.14			\$1.20	\$5.16	\$1.37	\$4.47	\$12.20
PLOW DISC	185 HP 185 HP		0.48 0.14			\$4.10 \$1.20	\$17.68 \$5.16	\$5.38 \$1.37	\$27.27 \$4.47	\$54.44 \$12.20
LASER (CUSTOM)	100 115		0.14	HIX	\$73.33	φ1.20	φ5.10	φ1.37	φ4.47	\$73.33
LISTER & SPRAY	185 HP		0.13	HR	ψ. σ.σσ	\$1.11	\$4.79	\$1.53	\$4.63	\$12.07
FERTILIZE	185 HP		0.05			\$0.43	\$1.84	\$0.40	\$1.37	\$4.05
PRE-IRRIGATE			0.75			\$6.41	\$33.84	\$0.07	\$0.67	\$40.99
ROLLING CULT VEGETABLE PLANTER	96 HP 96 HP		0.13 0.17			\$1.11 \$1.45	\$1.75 \$2.29	\$1.70 \$2.20	\$4.13 \$8.60	\$8.69 \$14.54
CULTIVATOR (5X)	96 HP		0.65			\$5.56	\$8.75	\$7.68	\$5.92	\$27.91
THIN & HOE (CUSTOM)					\$90.00	*****	*****	*****	*****	\$90.00
ROTO BUCK (7X) IRRIGATE (8X)	96 HP		0.21 4	HR HR		\$1.80 \$34.20	\$2.83 \$60.16	\$2.53 \$3.28	\$1.88 \$3.55	\$9.03 \$101.19
SUBTOTAL			6.85		\$163.33	\$58.57	\$144.26	\$27.51	\$66.96	\$460.63
HARVEST OPERATIONS					*	******	******	<b>*</b> =	*******	*
THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE TOTAL	-									
HARVEST GREEN (CUSTOM	l)				\$900.00					\$900.00
HARVEST RED (CUSTOM) HAUL	3/4 TON		6	HR	\$0.00	\$51.30	\$94.50	\$13.26	\$17.34	\$0.00 \$176.40
SUBTOTAL			6	HR	\$900.00	\$51.30	\$94.50	\$13.26	\$17.34	\$1,076.40
POST HARVEST OPERATIONS	<u>i</u>									
SHREDDER	80 HP		0.29	HR		\$2.48	\$3.90	\$3.96	\$3.36	\$13.71
SUBTOTAL			0.29	HR	\$0.00	\$2.48	\$3.90	\$3.96	\$3.36	\$13.71
OVERHEAD EXPENSES	_									
DOWNTIME			0.5975	HR		\$3.45				\$3.45
EMPLOYEE BENEFITS						\$20.22				\$20.22
INSURANCE					\$2.25				\$2.57	\$2.25
LAND TAXES SUPERVISION AND MANAGE	MENT					\$200.00			φ2.57	\$2.57 \$200.00
OTHER EXPENSES					\$75.69	Ψ200.00				\$75.69
SUBTOTAL			0.5975	HR	\$77.93	\$223.67			\$2.57	\$304.18
TOTAL OPERATING EXPENSE	S		13.7375	HR	\$1,438.90	\$336.02	\$242.66	\$44.73	\$90.24	\$2,152.55
NET OPERATING PROFIT										\$2,597.45
INTEREST ON OPERATING		(	\$275.74	@	5.50%	)				\$15.17
INTEREST ON EQUIPMENT I	NVESTME	NT								\$46.75
RETURN TO LAND AND RISK										\$2,535.54
* Pump water costs are shown	under irrig		preharvest		section.					
GROSS RETURN			\$4,750.00							
VARIABLE OPERATING EXPERETURN OVER VARIABLE EXP		\$1,726.29	\$3,023.71	(GROS	S MARGIN)					
FIXED EXPENSES NET FARM INCOME		\$90.24	\$2,933.47	•	RN TO CAPITA	I IAROP		ISK)		
LABOR AND MANAGEMENT (	COST	\$336.02	ψε,σσσ.41	(17510)	IO OAFIIA	L, LADUK,	בעואה מ ע	ioiv <sub>j</sub>		
NET OPERATING PROFIT			\$2,597.45	(RETUR	RN TO CAPITA	L, LAND &	RISK)			
CAPITAL COSTS		\$61.92	¢2 525 54							
RETURN TO LAND AND RISK			\$2,535.54							

TABLE 11. Red chile, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Cotton City-Animas Area, Hidalgo County Projected 2015
Planting dates: March 15 - May 1
Harvesting dates: September 15 - January 31

Harvesting dates:		Janua	ry 31							
ITEM	PRICE		YIELD							TOTAL
GROSS RETURNS										
RED CHILE	\$1.00		3500	LBS						\$3,500.00
TOTAL									•	\$3,500.00
PURCHASED INPUTS	PRICE		QUA	ANTITY	PURCHAS ED INPUTS					TOTAL
SEED	\$18.00			LBS	\$72.00					\$72.00
ANHYDROUS AMMONIA (NH: NITROGEN (N)	\$0.33 \$0.36			LBS LBS	\$74.75 \$21.60					\$74.75 \$21.60
PHOSPHATE (P2O5)	\$0.33			LBS	\$49.50					\$49.50
HERBICIDE	\$14.11			ACRE	\$14.11					\$14.11
INSECTICIDE CROP INSURANCE	\$14.22 \$0.00			ACRE DOLLARS	\$14.22 \$0.00					\$14.22 \$0.00
PUMP WATER*	ψ0.00			AC. IN.	Ψ0.00					ψ0.00
SUBTOTAL					\$246.17				•	\$246.17
PREHARVEST OPERATIONS	POWER UNIT			LISHMEN ATE	PURCHAS ED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
					LD IIVI 010					
DISC PLOW	185 HP 185 HP		0.14 0.48			\$1.20 \$4.10	\$5.16 \$17.68	\$1.37 \$5.38	\$4.47 \$27.27	\$12.20 \$54.44
DISC	185 HP		0.48			\$1.20	\$5.16	\$1.37	\$4.47	\$12.20
DRAG (2X)	96 HP			HR		\$1.71	\$2.69	\$2.38	\$1.08	\$7.86
LISTER FERTILIZE	185 HP 185 HP		0.12 0.05			\$1.03	\$4.42	\$1.09	\$3.77	\$10.31
PRE-IRRIGATE	100 HP		0.05			\$0.43 \$6.41	\$1.84 \$30.08	\$0.40 \$0.07	\$1.37 \$0.67	\$4.05 \$37.23
ROLLING CULT	96 HP		0.13			\$1.11	\$1.75	\$1.70	\$1.18	\$5.74
VEGETABLE PLANTER	96 HP		0.17			\$1.45	\$2.29	\$2.20	\$8.60	\$14.54
CULTIVATOR (5X) THIN & HOE (CUSTOM)	96 HP		0.65	нк	\$90.00	\$5.56	\$8.75	\$7.68	\$4.07	\$26.06 \$90.00
ROTO BUCK (7X)	96 HP		0.21	HR	ψ00.00	\$1.80	\$3.31	\$2.53	\$1.88	\$9.51
IRRIGATE (11X)			5.5	HR		\$47.03	\$55.15	\$0.50	\$4.88	\$107.56
SUBTOTAL			8.54	HR	\$90.00	\$73.02	\$138.29	\$26.67	\$63.72	\$391.70
HARVEST OPERATIONS										
HARVEST (CUSTOM) HAUL	3/4 TON		3	HR	\$700.00	\$25.65	\$47.25	\$6.63	\$8.67	\$700.00 \$88.20
SUBTOTAL			3	HR	\$700.00	\$25.65	\$47.25	\$6.63	\$8.67	\$788.20
POST HARVEST OPERATIONS	•									
SHREDDER	80 HP		0.29	HR		\$2.48	\$3.90	\$3.96	\$3.36	\$13.71
SUBTOTAL			0.29	HR	\$0.00	\$2.48	\$3.90	\$3.96	\$3.36	\$13.71
OVERHEAD EXPENSES										
DOWNTIME			1.395	HR		\$11.93				\$11.93
EMPLOYEE BENEFITS						\$18.21				\$18.21
INSURANCE					\$2.02				<b>00.57</b>	\$2.02
LAND TAXES SUPERVISION AND MANAGE	MENT					\$94.06			\$2.57	\$2.57 \$94.06
OTHER EXPENSES					\$75.69	*******				\$75.69
SUBTOTAL			1.395	HR	\$77.71	\$124.19	\$0.00	\$0.00	\$2.57	\$204.48
TOTAL OPERATING EXPENSES	3		13.225	HR	\$1,113.88	\$225.34	\$189.44	\$37.26	\$78.33	\$1,644.26
NET OPERATING PROFIT										\$1,855.74
INTEREST ON OPERATING O		(	\$227.80	@	5.50%	)				\$12.53 \$37.74
RETURN TO LAND AND RISK										\$1,805.47
* Pump water costs are shown					s section.					
	I	BUDGE	ET SUMMA	RY						
GROSS RETURN VARIABLE OPERATING EXPE	NSES \$1,3	340.59	#######							
RETURN OVER VARIABLE EXP	ENSES	78.33	#######	(GROS	S MARGIN)					
	•	,, 0.00	#######	(RETUE	RN TO CAPITA	AL. LABOR	LAND & F	RISK)		
NET FARM INCOME	OST 6	25 24		(						
NET FARM INCOME LABOR AND MANAGEMENT C NET OPERATING PROFIT CAPITAL COSTS		225.34 \$50.27	#######		RN TO CAPITA		RISK)	•		

TABLE 12. Summary of per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County
Projected 2015

GRAIN PICKER GREEN SORGHUM COTTON CHILE CHILE -FLOOD-CWT LBS TONS LBS PRIMARY YIELD 62 1060 10 3500 PRIMARY PRICE \$7.06 \$0.90 \$475.00 \$1.00 GOVERNMENT PAYMENTS \$0.00 \$0.00 \$0.00 \$0.00 SECOND INCOME \$0.00 \$82.68 \$0.00 \$0.00 GROSS RETURN \$437.99 \$1,036.68 \$4,750.00 \$3,500.00 CASH OPERATING EXPENSES \$188.75 \$10.48 \$72.00 SEED \$88.00 FERTILIZER \$184.50 \$145.85 \$58.50 \$30.40 CHEMICALS \$25.13 \$19.52 \$9.46 \$28.32 CROP INSURANCE \$0.00 \$0.00 \$0.00 \$0.37 OTHER PURCHASED INPUTS CANAL WATER FUEL, OIL & LUBRICANTS-EQUIPMENT \$44.50 \$82.79 \$148.66 \$104.21 FUEL-IRRIGATION \$37.60 \$94.01 \$35.10 \$85.23 REPAIRS \$27.16 \$85.93 \$44.73 \$37.26 CUSTOM CHARGES \$34.72 \$130.75 \$1,063.33 \$790.00 LAND TAXES \$2.57 \$2.57 \$2.57 \$2.57 OTHER EXPENSES \$76.53 \$77.15 \$77.93 \$77.71 TOTAL CASH EXPENSES \$311.95 \$642.89 \$1,728.86 \$1,343.16 RETURN OVER CASH EXPENSES \$126.03 \$393.79 \$3,021.14 \$2,156.84 FIXED EXPENSES \$52.32 \$97.28 \$87.66 \$75.76 TOTAL EXPENSES \$364.27 \$740.18 \$1,816.53 \$1,418.92 NET FARM INCOME \$73.71 \$296.50 \$2.933.47 \$2.081.08 LABOR AND MANAGEMENT COSTS \$88.82 \$174.82 \$332.50 \$225.34 NET OPERATING PROFIT -\$15.11 \$121.68 \$2,600.97 \$1,855.74 CAPITAL COSTS INTEREST ON OPERATING CAPITAL \$4.11 \$8.68 \$15.17 \$12.53 INTEREST ON EQUIPMENT INVESTMENT \$18.59 \$35.66 \$46.75 \$37.74 TOTAL CAPITAL COSTS \$22.69 \$61.92 \$50.27 RETURN TO LAND AND RISK -\$37.81 \$77.34 \$2,539.05 \$1,805.47

TABLE 13. Whole farm summary, Cotton City-Animas Area, Hidalgo County, Projected 2015

Filojected 201	ວ			
GROSS RETURNS GRAIN SORGHUM CROP ASCS DEFICIENCY	136 ACRES	\$59,566 \$0		
ASCS DIVERSION UPLAND COTTON LINT	153 ACRES	\$0 \$0 \$145,962		
SEED ASCS DEFICIENCY ASCS DIVERSION		\$12,650 \$0 \$0		
GREEN CHILE GREEN RED	20 ACRES	\$95,000 \$0		
RED CHILE CROP	20 ACRES	\$70,000		
GROSS RETURN				\$383,178
CASH OPERATING EXP SEED FERTILIZER CHEMICALS CROP INSURANCE OTHER PURCHASED CANAL WATER FUEL, OIL & LUBRIC/ FUEL-IRRIGATION REPAIRS CUSTOM CHARGES LAND TAXES OTHER EXPENSES	) INPUTS	\$33,504 \$19,214 \$5,170 \$2,210 \$0 \$23,776 \$14,068 \$18,481 \$61,794 \$847 \$25,324		
TOTAL CASH			\$204,388	
RETURN OVER CASH E	XPENSES	\$25,269		\$178,790
TOTAL EXPE	NSES	\$25,209	\$229,657	
NET FARM INCOME				\$153,521
LABOR AND MANAGEM	ENT COSTS	\$49,985		
NET OPERATING PROF	IT			\$103,536
CAPITAL COSTS INTEREST ON OPER INTEREST ON EQUIF	ATING CAPITAL PMENT INVESTMENT	\$2,440 \$9,673		
TOTAL CAPIT	TAL COSTS		\$12,114	•
RETURN TO LAND AND	RISK			\$91,422

	RETURN	RETURN ON
LAND VALUE	TO RISK	INVESTMENT**
\$500.00 /ACRE	\$85,422.16	27.54%
\$700.00 /ACRE	\$83,022.16	22.71%
\$900.00 /ACRE	\$80,622.16	19.32%
\$1,100.00 /ACRE	\$78,222.16	16.81%
\$1,300.00 /ACRE	\$75,822.16	14.88%
\$1,500.00 /ACRE	\$73,422.16	13.34%

 $<sup>^\</sup>star$  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)