TABLE 1. Acreage Summary, Hidalgo County,
Actual 2014

BUDGET AREA.....VIRDEN AREA, HIDALGO COUNTY

		WATER USE		
ACREAGE SUMMARY:	LAND USE (ACRES)	AC. IN. PER ACRE	TOTAL AC. IN.	
ALFALFA ESTABLISHMENT *	15.00	20	300	
ALFALFA	45.00	54	2,430	
CORN SILAGE	25.00	50	1,250	
COTTON	68.00	36	2,448	
ARP	0.00			
FLEX IN CORN SILAGE	12.00	36	432	
GRAIN SORGHUM	34.00	40	1,360	
ARP	0.00			
FLEX IN CORN SILAGE	6.00	36	216	
ROADS, DITCHES	10.00			
TOTAL	200.00		8,436	
ACRE FEET PER ACRE OF WATER	RIGHTS		3.52	

^{*} DOUBLE-CROPPED

TABLE 2. Basic cost information for the Virden area, Hidalgo County, Actual 2014

	Item				
Labor Wa	•				
	ent operators		\$/hour		\$8.55
Genera	I & Irrigators		\$/hour		\$7.50
Purchased Fertilize					
	Nitrogen (N)		\$/pound		\$0.50
	Phosphate (P205)		\$/pound		\$0.40
Seed:					
	Alfalfa		\$/pound		\$6.00
	Upland Cotton (picker)		\$/pound		\$7.55
	Corn for Silage		\$/bag		\$261.00
	Grain Sorghum		\$/pound		\$1.31
Canal V	Vater		\$/acre		\$45.00
Wire:			\$/lb.		\$1.32
Energy:					
Diesel f	uel		\$/gallon		\$3.83
Gasolin	e		\$/gallon		\$2.55
Electrici	ity		cents/KwHr		8.45
LP Gas			\$/gallon		\$2.85
Employee	Liability Insurance		\$/\$1000 wa	ges	\$20.00
Employee	Benefits		percent/wages		18.00%
Labor Dov	vntime		percent		25.00%
Financial F	Rates:				
	g Capital Interest Rate		percent		5.50%
	erest Rate		percent		5.00%
	nt Interest Rate		percent		5.50%
Real Inte	rest Rate		percent		3.00%
Land Taxe	es	\$348.00	/acre (full va	alue)	\$2.57
Personal F	Property Tax Rate	- NR - R	\$/\$1,000	(Assessed Value)	\$22.19 \$19.60
Supervision	on Factors	11		value)	ψ13.00
Field Crop-Irrigation			\$/labor hour		\$1.00
	rop-Equipment		\$/labor hour		\$0.50
Managem	ent Rate		percent		7.00%

TABLE 3. Overhead cost information for Virden area, Hidalgo County, Actual 2014

Item					
Electricity (Domestic &	Shop)		\$181.50	per month	\$2,178
Telephone			\$96.80	per month	\$1,162
Accounting & Legal					\$1,198
Misc. Supplies & Hand	Tools				\$1,718
Pickup and Auto					
miles	18,150	@	\$0.500 per mile		\$9,075
Insurance					
- general liability (non-	employee)				\$1,452
- fire/theft					\$1,113
Property Taxes					
 non-planted land 					\$0
- other than land & ma	achinery				\$6,010
Building repairs and ma	aintenance				\$980
Dues, fees, publications	S				\$35
Farmstead Equipment					\$182
				Total	\$25,418
			Total per planted acre		\$133.78

The content of the	T-GELS 4. Pumping-comm and dates for Impation wells, Virtain away, Heldigo Champ, Actual 2014.	
Series		
Series	GALLONG PER MINUTE (SPM) 1,000 WORK HORSEPOWER 28	
Series		
The content	ELICIPACITY 8.45 CENTRALVE LPGAS 52.65 SGAL DESSEL 53.80 SGAL	
The content	ELECTRIC WELL: COST FOR MOUSE COST FOR MOUSE COST FOR MOUSE ROW 30 de	
The content of the co	COST PER ACRE INCH \$4.40	
The column	COST FOR HOLE \$12.54 COST FOR HOLE \$12.54 COST FOR HOLE \$12.64	
The content of the	EN IDNENT VARIABLE COSTS	FRED COSTS
The column		RECIATION TAKES TOTAL PER HR
The column	TRACTOR 66 PP 197.85 1 4,660.00 2,463.72 2,055.97 12.85 1.39 TRACTOR 136 PP 283.52 1 3,2464.60 8,867.97 1,152.85 1.39 1.39 1.39 1.39 1.39 1.39 1.39 1.39	539.13 78.75 3.12 246740 24477 19.20 3800.00 140.54 5.88 5860.00 200.82 76.60
The column	\$\frac{2}{2}\$\text{\$\texititt{\$\text{\$\texitientit{\$\text{\$\text{\$\text{\$\texitt{\$\text{\$\texititt{\$\	1.4500 107.25 43.26 285.00 28.46 875 480.00 25.15 18.27 150.00 18.26 7.41 200.00 18.46 5.75
The column	FLOAT 0 FT 3824 1 460,00 0.664 0.61 ROTOBLOCK 1 1641 1 1,000,00 0.66 0.66 MALCHER 4 80,00 42,00 1 1,000,00 136,81 4.65 LISTER 4 80,00 42,00 1 1,000,00 146,81 5.66	6617 259 1.22 13232 7.40 9.77 50000 2274 1326 23232 1136 5.31
The content of the	SHECKDER 2 POW 1972 1 1,500.00 334 5.25 COTTONTHEES 8 BALE 1930.0 3,600.00 3.64 6.26 FEFTLEXENSECTION 1 1,500.00 11.18 6.36 FEFTLEXENSECTION 1 1,500.00 11.18 6.36 FEFTLEXENSECTION 1 1,7 2,360 1 1,300.00 11.57 6.46 6.46	16647 855 839 16647 855 839 16600 2648 2.27 16644 15223 15.17 8.15 16670 16870 109
Column	111,822 19,349 3,060	
The content of the	EQUIPMENT LIST	NTOREST
The content of the	FEAR VALUE UPE COOK MADRS MATTER COEF MADRS TRACTOR 65 MP 21855 6600 40 1 500 42 0.31 961542 TRACTOR 15 MP 66165 28677 25 1 800 7.50 0.31 503338 TRACTOR 15 MP 66165 28677 25 1 800 7.50 0.31 503338 TRACTOR 15 MP 66165 28677 25 1 800 600 600 200 200 2000 TRACTOR 15 MP 66165 28677 25 1 800 7.50 0.31 203338	AGE EXPENSE 21 983.54 18 1,500.09 13 1,566.00
The content of the	COLTEGERAN 2 AUGUST BRIGHT STATE AND	72 2,48550 14 29735 18 29175 13 18720 16 6600
The content of the	TAIL THROUGH 4 FOOT 3000 150 3 500 88138 C 1000 1000 1000 1000 1000 1000 1000 1	** V22/9 14 82.50 15 19.25 14 65.00 15 200.25
The content of the	TOTAL TRANSPORTER AND TRANSPOR	
Note		15 66000
The content of the	USAGE LIST	
Marie Mari		
Marie Mari		
Marie Mari	0.00 - 0.	
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Mary	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
Mary	2.77 - 1.04 404 10.0 10.0 10.0 10.0 10.0 10.0	
## Company Com		
Marie Mari	ALFALFA SSTABLISHMENT ACRES: 15 PLMP WATER: 5.00	
### APPLICATION PAGE 18	POWER TMES	
### APPLICATION PAGE 18	DEGC 1650 100 127 127 127 127 127 127 127 127 127 127	
MAINTALA AND A SAEL	SECURION 65-0P 1-00 0.05 0.05 MALCHER 166-0P 1.00 0.15 0.15 LITTLE 66-0P 1.00 0.16 0.16 MINISTRUCTURE (MG 40 0.00 1.15 1.15	
Post		
Control Cont	ANNUM, M.P. MET. ACCESS: 6F PLANFWITTER 10.0 POWER TIMES ACCOMPRESIMENT 10.0 MACHINE TOTAL CUSTOM	
Companies	860GAT (89) 840 0.30 5.43	
March Marc	286/ZN4 ER (SIQ) 14.6T 5.00 0.16 0.00 BALER, PTO (DQ) 166HP 5.00 0.21 1.55	
March Marc	CORNISIAGE ACRES: 63 PUMPWATER 14.00	
ACRES (170) ACRES	POWER TIMES ACCOMPLISHMENT	
ACRES (170) ACRES	FEFTLES 65-9P 1-00 0.05 0.055 CDGC 166-4P 1-00 0.37 0.17 CJGGEL 166-4P 1-00 0.20 0.20 CJGGEL 166-4P 1-00 0.20 0.20 CJGGEL 166-4P 1-00 0.20 0.20 CJGGEL 166-4P 1-00 0.20 0.20 CJGGEL 166-4P 1-00 0.20 CJGGEL 166-4P 1-0	
Company Comp	ISTER 0.09 100 100 100 100 100 100 100 100 100 1	
Marie Mari	BOTDBALDC/(III) 1661P 3.00 0.00 0.00 BRIGATE (79) 7.00 0.36 3.70	
ANCHE STORY 10 10 10 10 10 10 10 10 10 10 10 10 10		
ANCHE STORY 10 10 10 10 10 10 10 10 10 10 10 10 10	MACHBE LWT OVER TAKE BATE TOTAL CLISTOM SETTLES 66-9P 1.00 0.65 0.05 DSCT 166-9P 1.00 0.05 0.05 0.07 0.77	
ANCHE STORY 10 10 10 10 10 10 10 10 10 10 10 10 10	100 100	
### CONTINE PROCESSES PAPE 20 100 120 101 #### CONTINE PROCESSES PAPE VIDE 100 101 #### CONTINE PROCESSES PAPE VIDE 100 101 #### CONTINE PROCESSES PAPE VIDE 100 101 #### CONTINE PROCESSES PAPE VIDE VIDE	T00-147 T00 0.14 0.14	
MATE 10 10 10 10 10 10 10 1		
ACCOUNT ACCO	COTTON (PECES (20) 3 FOOM 2.00 0.60 1.54 COTTON (PECES (20) 1.00 1.00 1.20 2.00 0.11 (COTTON (PECES (20) FEE (1.00 1.00 1.00 1.20 0.11 0.11 0.11 0.11	
ACCOUNT ACCO	\$49CCDGR 66.9P 1.80 0.29 0.29	
Marie Mari		
ALACIS 1-1	POWER TMES	
ALACIS 1-1	PERTILEC: 66:4P 1:00 0:15 0:15 0:15 0:15 0:05 0:15 0:15	
AMERICAN STORY COST - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FLOAT 1661P 1.00 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0	
AMERICAN STORY COST - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PLANTER 1661P 100 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.	
MANUAL SEPTION COST SIA A FRICTION OF SIGN VALUE No. 1 9 9 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9		
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1 2002 2002 2002 2002 2002 2003 2004 2004 2004 2005 200		
		** Sased on "Agricultural Machinery Data" in Agricultural Continues Venetoral, 1989
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700 63008 600 63008	DESCRIPTION	

TABLE 6. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Virden area, Hidalgo County, Actual 2014

Planting dates: August 15 - October 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED	\$6.00	25 LBS	\$150.00					\$150.00
NITROGEN (N)	\$0.50	20 LBS	\$10.00					\$10.00
PHOSPHATE (P2O5)	\$0.40	50 LBS	\$20.00					\$20.00
PUMP WATER*		5 AC. IN.						
CANAL WATER		15 AC. IN.						\$0.00
SUBTOTAL			\$180.00				=	\$180.00
	POWER	ACCOMPLISHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT	RATE	INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
DISC	145 HP	0.17 HR		\$1.45	\$5.37	\$1.15	\$2.71	\$10.69
PLOW	145 HP	0.67 HR		\$5.73	\$21.17	\$5.44	\$12.51	\$44.86
DISC	145 HP	0.17 HR		\$1.45	\$5.37	\$1.15	\$2.71	\$10.69
FLOAT	145 HP	0.24 HR		\$2.05	\$7.58	\$0.96	\$2.75	\$13.34
FERTILIZE	65 HP	0.05 HR		\$0.43	\$0.62	\$0.11	\$1.49	\$2.65
LISTER	65 HP	0.18 HR		\$1.54	\$2.23	\$0.59	\$1.52	\$5.88
MULCHER	145 HP	0.15 HR		\$1.28	\$4.74	\$1.29	\$4.43	\$11.75
SEEDER	65 HP	0.05 HR		\$0.43	\$0.62	\$0.11	\$1.49	\$2.65
MULCHER	145 HP	0.15 HR		\$1.28	\$4.74	\$1.29	\$4.43	\$11.75
LISTER	65 HP	0.18 HR		\$1.54	\$2.23	\$0.59	\$1.52	\$5.88
IRRIGATE (4X)		2.00 HR		\$15.00	\$5.05	\$0.00	\$1.93	\$21.98
SUBTOTAL		4.01 HR		\$32.19	\$59.72	\$12.69	\$37.51	\$142.10
OVERHEAD EXPENSES								
DOWNTIME		0.50 HR		\$4.30				\$4.30
EMPLOYEE BENEFITS		0.00 1.11		\$5.79				\$5.79
INSURANCE			\$0.64	ψο σ				\$0.64
SUPERVISION AND MANAGEMENT			ψ0.04	\$25.26				\$25.26
SUBTOTAL		0.50 HR	\$0.64	\$35.35				\$36.00
TOTAL OPERATING EXPENSES		4.51 HR	\$180.64	\$67.54	\$59.72	\$12.69	\$37.51	\$358.10

^{*} Pump water costs are shown under irrigation in the preharvest operation section.

TABLE 7. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Virden area, Hidalgo County, Actual 2014

Harvest dates: June 1 - October 10

ber 10									
PRICE		YIEL	D						TOTAL
\$235.00 \$15.00				N FIELD)					\$1,410.00 \$15.00
									\$1,425.00
PRICE		QUANT	TTY	PURCHASED INPUTS				FIXED COST	TOTAL
1.32		3	YEARS	\$67.87				\$119.37 \$11.96 \$45.00	\$67.87 \$119.37 \$11.96 \$45.00
								•	•
			•	\$67.87				\$176.33	\$244.21
POWER UNIT				PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
		4.50	HR		\$33.75	\$18.18	\$0.00	\$6.96	\$58.90
		4.50	HR		\$33.75	\$18.18	\$0.00	\$6.96	\$58.90
14 FT 145 HP					\$6.84 \$8.98	\$11.47 \$33.17	\$0.46 \$4.33	\$34.61 \$19.90	\$53.38 \$66.38
		1.85	HR		\$15.82	\$44.65	\$4.80	\$54.50	\$119.76
		0.46	HR	\$0.99 \$133.78	\$3.95 \$8.92 \$105.18			\$2.57	\$3.95 \$8.92 \$0.99 \$2.57 \$105.18 \$133.78
		0.46	HR	\$134.77	\$118.05			\$2.57	\$255.40
		6.81	HR	\$202.65	\$167.62	\$62.83	\$4.80	\$240.37	\$678.26
									\$746.74
NT		(\$42.60	@	5.50%)				\$2.34 \$19.71
									\$724.69
ation in the preh									
	\$270.27 \$240.37	\$1,425.00 \$1,154.73 \$914.36			LABOR, LA	ND & RISK)			
	\$167.62 \$22.05	\$746.74							
	PRICE \$235.00 \$15.00 PRICE 1.32 POWER UNIT 14 FT 145 HP	PRICE \$235.00 \$15.00 PRICE 1.32 POWER UNIT 14 FT 145 HP NT ation in the preharvest ope BUDGET \$270.27 \$240.37 \$167.62	PRICE YIEL \$235.00	PRICE YIELD \$235.00	PRICE YIELD \$235.00	PRICE YIELD \$235.00	PRICE YIELD \$235.00	PRICE YIELD \$235.00	PRICE YIELD \$235.00

TABLE 8. Corn silage, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Virden area, Hidalgo County, Actual 2014
Planting dates: April 15 - May 31
Harvest dates: August 15 - October 15

Harvest dates: August 15 - Oc			VIE	D.						TOTAL
GROSS RETURNS	PRICE		YIEI							TOTA
CORN SILAGE	\$55.00		25.00	TONS (S	TANDING)					\$1,375.00
TOTAL										\$1,375.00
					PURCHASED				FIXED	
PURCHASED INPUTS	PRICE		QUAN	TITY	INPUTS				COST	TOTA
SEED	\$3.26			000	\$97.88					\$97.88
NITROGEN (N) PHOSPHATE (P205)	\$0.50 \$0.40			LBS LBS	\$16.00 \$16.00					\$16.00 \$16.00
CANAL WATER	ψο. 10			AC. IN.	ψ.0.00				\$45.00	\$45.00
PUMP WATER*			14	AC. IN.						
SUBTOTAL					\$129.88				\$45.00	\$174.88
	POWER		ACCOMPLI	SHMENIT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT		RA1		INPUTS	LABOR	LUBE	REPAIRS	COST	TOTA
FERTILIZE	65 HP		0.05	HR		\$0.43	\$0.62	\$0.11	\$1.49	\$2.65
DISC	145 HP		0.17			\$1.45	\$5.37	\$1.15	\$2.71	\$10.69
CHISEL	145 HP			HR		\$1.71	\$6.32	\$1.09	\$3.56	\$12.68
DISC	145 HP		0.17 0.24	HR		\$1.45	\$5.37	\$1.15	\$2.71	\$10.69
FLOAT LISTER	65 HP 65 HP		0.24			\$2.05 \$1.54	\$2.98 \$2.23	\$0.31 \$0.59	\$1.06 \$1.52	\$6.40 \$5.88
PRE-IRRIGATE	03 111			HR		\$5.63	\$1.77	\$0.00	\$0.68	\$8.07
MULCHER	145 HP			HR		\$1.28	\$4.74	\$1.29	\$4.43	\$11.75
PLANTER	145 HP		0.26			\$2.22	\$8.21	\$1.46	\$7.56	\$19.45
CULTIVATOR (2X)	65 HP		0.42			\$3.59	\$5.21	\$1.32	\$2.24	\$12.36
ROTOBUCK (3X)	145 HP			HR		\$0.77	\$2.84	\$0.36	\$1.80	\$5.77
IRRIGATE (7X)			3.50	HR		\$26.25	\$12.37	\$0.00	\$4.74	\$43.36
SUBTOTAL			6.18	HR		\$48.38	\$58.03	\$8.84	\$34.50	\$149.75
OVERHEAD EXPENSES										
DOWNTIME			0.46	HR		\$3.93				\$3.93
EMPLOYEE BENEFITS						\$8.71				\$8.71
INSURANCE					\$0.97					\$0.97
LAND TAXES						.			\$2.57	\$2.57
SUPERVISION AND MANAGEMENT					£400.70	\$101.42				\$101.42
OTHER EXPENSES					\$133.78					\$133.78
SUBTOTAL			0.46	HR	\$134.75	\$114.06			\$2.57	\$251.38
TOTAL OPERATING EXPENSES			6.64	HR	\$264.62	\$162.44	\$58.03	\$8.84	\$82.07	\$576.00
NET OPERATING PROFIT										\$799.00
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMEN	Т		\$81.66	@	5.50%)				\$4.49 \$18.27
RETURN TO LAND AND RISK										\$776.24
* Pump water costs are shown under irrigat	ion in the preh		ation section.							
GROSS RETURN			\$1,375.00							
VARIABLE OPERATING EXPENSES		\$331.50	ψ1,010.00							
RETURN OVER VARIABLE EXPENSES			\$1,043.50	(GROS	S MARGIN)					
FIXED EXPENSES		\$82.07								
NET FARM INCOME		0465 1:	\$961.43	(RETU	RN TO CAPITAL, L	ABOR, LANI	0 & RISK)			
LABOR AND MANAGEMENT COST NET OPERATING PROFIT		\$162.44	\$799.00	(RETU	RN TO CAPITAL, L	AND & RISK)			
CAPITAL COSTS		\$22.76	7. 55.66	,			,			
RETURN TO LAND AND RISK			\$776.24							

TABLE 9. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with average management, Virden area, Hidalgo County, Actual 2014

Planting dates: April 10 - April 30

Harvest	dates:	October	15 - December	15

Harvest dates: October 1	5 - December 15									
ITEM	PRICE		YIEL	.D	BASE					TOTAL
GROSS RETURNS										
LINT	\$0.90		600.00							\$540.00
SEED	\$0.09		960.00							\$86.40
DIRECT PAYMENT	\$0.0000 \$0.0667		600.00		0.85					\$0.00
COUNTER CYCLICAL PAYMENT	\$0.0007		1,060.00	LBS	0.85					\$60.10
TOTAL									-	\$686.50
					PURCHASED				FIXED	
PURCHASED INPUTS	PRICE		QUAN	TITY	INPUTS				COST	TOTAL
SEED	\$7.55		17	LBS	\$128.35					\$128.35
NITROGEN (N)	\$0.50			LBS	\$40.00					\$40.00
PHOSPHATE (P205)	\$0.40		60	LBS	\$24.00					\$24.00
HERBICIDE	\$14.08		1		\$14.08					\$14.08
CANAL WATER				AC. IN.	\$0.00				\$45.00	\$45.00
PUMP WATER*	CO 74		12	AC. IN.	CO 74					CO 74
CROP INSURANCE SUBTOTAL	\$0.74				\$0.74 \$207.17				\$45.00	\$0.74 \$252.17
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZE	65 HP		0.05	HR		\$0.43	\$0.62	\$0.11	\$1.49	\$2.65
DISC	145 HP		0.17			\$1.45	\$5.37	\$1.15	\$2.71	\$10.69
PLOW	145 HP		0.67			\$5.73	\$21.17	\$5.44	\$12.51	\$44.86
DISC & SPRAY	145 HP		0.15	HR		\$1.28	\$4.74	\$1.11	\$3.61	\$10.75
FLOAT	65 HP		0.24			\$2.05	\$2.98	\$0.31	\$1.06	\$6.40
LISTER	145 HP		0.18			\$1.54	\$5.69	\$1.07	\$2.79	\$11.09
PRE-IRRIGATE	44=115		0.75			\$5.63	\$1.35	\$0.00	\$0.52	\$7.49
MULCHER	145 HP		0.14			\$1.20	\$4.42	\$1.21	\$4.14	\$10.96
PLANTER	145 HP 65 HP		0.26 0.84			\$2.22 \$7.18	\$8.21 \$10.41	\$1.46 \$2.65	\$7.56 \$4.48	\$19.45 \$24.73
CULTIVATOR (4X) HOEING (CUSTOM)	03 FF		0.04	пк	\$24.00	φ1.10	\$10.41	φ2.05	ф4.40	\$24.73
ROTOBUCK (3X)	145 HP		0.03	HR	Ψ24.00	\$0.26	\$0.95	\$0.12	\$0.60	\$1.92
IRRIGATE (8X)			4.00			\$30.00	\$10.77	\$0.00	\$4.13	\$44.90
SUBTOTAL		•	7.48	HR	\$24.00	\$58.97	\$76.68	\$14.64	\$45.60	\$219.88
HARVEST OPERATIONS										
COTTON PICKER (2X)	2 ROW		1.24	HR		\$10.60	\$28.72	\$8.87	\$92.51	\$140.70
COTTON TRAILER (2X)	HALF TON		2.50			\$21.38	\$40.16	\$2.02	\$20.39	\$83.95
GIN COTTON (CUSTOM)					\$68.52	•		•	,	\$68.52
SUBTOTAL		;	3.74	HR	\$68.52	\$31.98	\$68.89	\$10.89	\$112.90	\$293.17
POSTHARVEST OPERATIONS										
SHREDDER	65 HP		0.29	HR		\$2.48	\$3.60	\$0.43	\$3.49	\$10.00
SUBTOTAL		,	0.29	HR		\$2.48	\$3.60	\$0.43	\$3.49	\$10.00
OVERHEAD EXPENSES										
DOWNTIME			1.56	HR		\$13.32				\$13.32
EMPLOYEE BENEFITS			1.00	1111		\$16.82				\$16.82
INSURANCE					\$1.87	*				\$1.87
LAND TAXES									\$2.57	\$2.57
SUPERVISION AND MANAGEMENT						\$55.17				\$55.17
OTHER EXPENSES					\$133.78					\$133.78
SUBTOTAL			1.56	HR	\$135.65	\$85.30			\$2.57	\$223.53
TOTAL OPERATING EXPENSES			13.07	HR	\$435.33	\$178.73	\$149.16	\$25.96	\$209.56	\$998.74
NET OPERATING PROFIT										(\$312.25)
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTM		(\$139.78	@	5.50%)				\$7.69 \$78.58
RETURN TO LAND AND RISK										(\$398.52)
* Pump water costs are shown under in	rigation in the preha		on section. SUMMARY							
CDOCC DETURN		PODGET								
GROSS RETURN VARIABLE OPERATING EXPENSES		\$610.46	\$686.50							
RETURN OVER VARIABLE EXPENSES		ψυ (0.40	\$76.04	(GRO	SS MARGIN)					
FIXED EXPENSES		\$209.56		, 23	,					
NET FARM INCOME			(\$133.52)	(RETU	JRN TO CAPITAL,	LABOR, LAI	ND & RISK)			

\$178.73

\$86.27

(\$398.52)

(\$133.52) (RETURN TO CAPITAL, LABOR, LAND & RISK)

(\$312.25) (RETURN TO CAPITAL, LAND & RISK)

NET FARM INCOME

CAPITAL COSTS

LABOR AND MANAGEMENT COST NET OPERATING PROFIT

RETURN TO LAND AND RISK

TABLE 10. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 200 acre farm with above average management, Virden area, Hidalgo County, Actual 2014

Planting dates: May 1 - June 15

Harvesting dates: Octo	ber 15 - November 15			
ITEM	PRICE	YIELD	BASE	
TIDNIC				

TOTAL

\$3.48

\$29.42

(\$146.20)

GROSS RETURNS GRAIN SORGHUM 60.00 CWT \$7.06 \$423.86 60.00 CWT 0.00 CWT DIRECT PAYMENT 0.85 \$0.00 \$0.00 COUNTER CYCLICAL PAYMENT \$0.63 \$0.00 1.00 ACRE GRAZING \$10.00 \$10.00 TOTAL \$433.86

PURCHASED FIXED PURCHASED INPUTS PRICE QUANTITY INPUTS COST TOTAL SEED \$1.31 8 LBS \$10.48 NITROGEN (N) \$0.50 32 LBS \$16.00 \$16.00 PHOSPHATE (P205) \$0.40 40 LBS \$16.00 \$16.00 HERBICIDE \$14.08 1 ACRE \$14.08 \$14.08 INSECTICIDE \$11.30 1 ACRE \$11.30 \$11.30 CANAL WATER 28 AC. IN. \$45.00 \$45.00 PUMP WATER* 12 AC. IN. CROP INSURANCE \$1.47 \$1.47 \$1.47 \$45.00 SUBTOTAL \$69.33 \$114.33

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZER	65 HP	0.15 HR		\$1.28	\$1.86	\$0.33	\$4.47	\$7.94
DISC	145 HP	0.20 HR		\$1.71	\$6.32	\$1.35	\$3.19	\$12.57
CHISEL	145 HP	0.40 HR		\$3.42	\$12.64	\$2.18	\$7.12	\$25.36
DISC	145 HP	0.20 HR		\$1.71	\$6.32	\$1.35	\$3.19	\$12.57
FLOAT	145 HP	0.25 HR		\$2.14	\$7.90	\$1.00	\$2.87	\$13.90
SPRAYER	65 HP	0.20 HR		\$1.71	\$2.48	\$0.39	\$2.25	\$6.83
LISTER	65 HP	0.50 HR		\$4.28	\$6.20	\$1.64	\$4.22	\$16.33
PRE-IRRIGATE		0.75 HR		\$5.63	\$2.02	\$0.00	\$0.77	\$8.42
MULCHER	145 HP	0.20 HR		\$1.71	\$6.32	\$1.72	\$5.91	\$15.66
PLANTER	145 HP	0.25 HR		\$2.14	\$7.90	\$1.40	\$7.27	\$18.71
SPRAYER	65 HP	0.20 HR		\$1.71	\$2.48	\$0.39	\$2.25	\$6.83
CULTIVATOR (2X)	65 HP	0.60 HR		\$5.13	\$7.44	\$1.89	\$3.20	\$17.66
ROTOBUCK (3X)	145 HP	0.25 HR		\$2.14	\$7.90	\$1.00	\$4.99	\$16.03
IRRIGATE (5X)		2.50 HR		\$18.75	\$10.10	\$0.00	\$3.87	\$32.72
SUBTOTAL		6.65 HR		\$53.45	\$87.87	\$14.66	\$55.58	\$211.55
HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$25.20					\$25.20
HAUL (CUSTOM)			\$11.40					\$11.40
SUBTOTAL		0.00 HR	\$36.60					\$36.60
OVERHEAD EXPENSES								
DOWNTIME		0.61 HR		\$5.24				\$5.24
EMPLOYEE BENEFITS				\$9.62				\$9.62
INSURANCE			\$1.07					\$1.07
LAND TAXES							\$2.57	\$2.57
SUPERVISION AND MANAGEMENT				\$32.40				\$32.40
OTHER EXPENSES			\$133.78					\$133.78
SUBTOTAL		0.61 HR	\$134.85	\$47.25			\$2.57	\$184.68
TOTAL OPERATING EXPENSES		7.26 HR	\$240.78	\$100.70	\$87.87	\$14.66	\$103.15	\$547.16
NET OPERATING PROFIT								(\$113.30)

INTEREST ON OPERATING CAPITAL

RETURN TO LAND AND RISK

INTEREST ON EQUIPMENT INVESTMENT

BUDGET SUMMARY

\$63.35

@

5.50%

)

GROSS RETURN VARIABLE OPERATING EXPENSES	#242.24	\$433.86	
	\$343.31	***	(
RETURN OVER VARIABLE EXPENSES		\$90.55	(GROSS MARGIN)
FIXED EXPENSES	\$103.15		
NET FARM INCOME		(\$12.60)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$100.70		
NET OPERATING PROFIT		(\$113.30)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$32.91		
RETURN TO LAND AND RISK		(\$146.20)	

^{*} Pump water costs are shown under irrigation in the preharvest operation section.

TABLE 11. Summary of per acre costs and returns for a 200 acre farm with above average management, Virden area, Hidalgo County, Actual 2014

Actual 2014	ALFALFA ESTABLISHMENT	ALFALFA HAY	CORN SILAGE	PICKER COTTON	GRAIN SORGHUM
		TONS	TONS	LBS	CWT
PRIMARY YIELD		6.00	25.00	600.00	60.00
PRIMARY PRICE		\$235.00	\$55.00	\$0.90	\$7.06
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$60.10	\$0.00
SECOND INCOME		\$15.00	\$0.00	\$86.40	\$10.00
GROSS RETURN		\$1,425.00	\$1,375.00	\$686.50	\$433.86
CASH OPERATING EXPENSES					
SEED	\$150.00		\$97.88	\$128.35	\$10.48
FERTILIZER	\$30.00		\$32.00	\$64.00	\$32.00
CHEMICALS				\$14.08	\$25.38
CROP INSURANCE				\$0.74	\$1.47
OTHER PURCHASED INPUTS		\$67.87			
CANAL WATER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$54.67	\$44.65	\$43.89	\$137.04	\$75.75
FUEL-IRRIGATION	\$5.05	\$18.18	\$14.14	\$12.12	\$12.12
REPAIRS	\$12.69	\$4.80	\$8.84	\$25.96	\$14.66
CUSTOM CHARGES				\$92.52	\$36.60
LAND TAXES		\$2.57	\$2.57	\$2.57	\$2.57
OTHER EXPENSES	\$0.64	\$134.77	\$134.75	\$135.65	\$134.85
TOTAL CASH EXPENSES	\$253.06	\$272.84	\$334.07	\$613.03	\$345.88
RETURN OVER CASH EXPENSES	(\$253.06)	\$1,152.16	\$1,040.93	\$73.47	\$87.98
FIXED EXPENSES	\$37.51	\$237.80	\$79.50	\$206.99	\$100.58
TOTAL EXPENSES	\$290.56	\$510.64	\$413.57	\$820.02	\$446.46
NET FARM INCOME	(\$290.56)	\$914.36	\$961.43	(\$133.52)	(\$12.60)
LABOR AND MANAGEMENT COSTS	\$67.54	\$167.62	\$162.44	\$178.73	\$100.70
NET OPERATING PROFIT	(\$358.10)	\$746.74	\$799.00	(\$312.25)	(\$113.30)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL		\$2.34	\$4.49	\$7.69	\$3.48
INTEREST ON EQUIPMENT INVESTMENT		\$19.71	\$18.27	\$78.58	\$29.42
TOTAL CAPITAL COSTS	\$0.00	\$22.05	\$22.76	\$86.27	\$32.91
RETURN TO LAND AND RISK	(\$358.10)	\$724.69	\$776.24	(\$398.52)	(\$146.20)

TABLE 12. Whole farm summary, Virden area, Hidalgo County, Actual 2014

Actual 2014				
GROSS RETURNS ALFALFA HAY CROP GRAZING CORN SILAGE CROP UPLAND COTTON LINT SEED DIRECT PAYMENT COUNTER CYCLICAL F GRAIN SORGHUM CROP	45.00 ACRES 43.00 ACRES 68.00 ACRES PAYMENT 34.00 ACRES	\$63,450 \$675 \$59,125 \$36,720 \$5,875 \$0 \$4,087		
DIRECT PAYMENT COUNTER CYCLICAL F GRAZING	PAYMENT	\$0 \$0 \$340		
GROSS RETURN			. -	\$184,343
CASH OPERATING EXPE SEED FERTILIZER CHEMICALS CROP INSURANCE OTHER PURCHASED CANAL WATER FUEL, OIL & LUBRICA FUEL-IRRIGATION REPAIRS CUSTOM CHARGES LAND TAXES OTHER EXPENSES	INPUTS	\$15,543 \$7,266 \$1,820 \$100 \$3,054 \$0 \$16,611 \$2,738 \$3,050 \$7,536 \$489 \$25,678	\$83,885	
RETURN OVER CASH EX			\$55,000	\$100,458
FIXED EXPENSES		\$26,805		ψ100,700
TOTAL EXPE	ENSES	Ψ20,000	\$110,690	
NET FARM INCOME				\$73,653
LABOR AND MANAGEME	NT COSTS	\$31,118		
NET OPERATING PROFI	г			\$42,535
CAPITAL COSTS INTEREST ON OPERA INTEREST ON EQUIP		\$940 \$8,016		
TOTAL CAPI	TAL COSTS	-	\$8,956	
RETURN TO LAND AND F	RISK		-	\$33,579

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$700 /ACRE	\$29,379	16.89%
\$900 /ACRE	\$28,179	14.58%
\$1,100 /ACRE	\$26,979	12.82%
\$1,300 /ACRE	\$25,779	11.44%
\$1,500 /ACRE	\$24,579	10.33%
\$1,700 /ACRE	\$23,379	9.41%
\$1,900 /ACRE	\$22,179	8.65%

 $^{^{\}star}$ 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)