TABLE 1. Acreage Summary, Hidalgo County,
Projected 2016

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 F	RIGHTS		3.52

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

TABLE 2. Basic cost information for the Virden area, Hidalgo County, Projected 2016

Item				
Labor Wage Rate:				
Equipment operators		\$/hour		\$8.55
General & Irrigators		\$/hour		\$7.50
Purchased Inputs: Fertilizer:				
Nitrogen (N)		\$/pound		\$0.48
Phosphate (P205)		\$/pound		\$0.61
Seed:				
Alfalfa		\$/pound		\$6.00
Upland Cotton (picker)		\$/pound		\$7.55
Corn for Silage		\$/bag		\$300.00
Grain Sorghum		\$/pound		\$1.70
Canal Water		\$/acre		\$45.00
Wire:		\$/lb.		\$1.68
Energy:				
Diesel fuel		\$/gallon		\$2.55
Gasoline		\$/gallon		\$2.40
Electricity		cents/KwHr		8.45
LP Gas		\$/gallon		\$2.85
Employee Liability Insurance		\$/\$1000 wa	ges	\$20.00
Employee Benefits		percent/wag	jes	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	\$348.00	/acre (full va	alue)	\$2.57
Personal Property Tax Rate	- NR - R	\$/\$1,000	(Assessed Value)	\$22.19 \$19.60
Supervision Factors	- 10		value)	ψ13.00
Field Crop-Irrigation		\$/labor hour		\$1.00
Field Crop-Equipment		\$/labor hour		\$0.50
Management Rate		percent		7.00%

TABLE 3. Overhead cost information for Virden area, Hidalgo County, Projected 2016

Item					
Electricity (Domestic &	Shop)		\$159.00	per month	\$1,908
Telephone			\$84.80	per month	\$1,018
Accounting & Legal					\$1,049
Misc. Supplies & Hand	Tools				\$1,505
Pickup and Auto					
miles	15,900	@	\$0.415 per mile		\$6,599
Insurance					
- general liability (non-	-employee)				\$1,272
- fire/theft					\$975
Property Taxes					
<ul> <li>non-planted land</li> </ul>					\$0
- other than land & ma	achinery				\$6,010
Building repairs and ma	aintenance				\$859
Dues, fees, publication	S				\$307
Farmstead Equipment					\$159
				Total	\$21,661
			Total per planted acre		\$114.00

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, Projected 2016
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)	\$0.48	20 LBS	\$9.60					\$9.60
PHOSPHATE (P2O5)	\$0.61	50 LBS	\$30.50					\$30.50
PUMP WATER*		5 AC. IN.						
CANAL WATER		15 AC. IN.						\$0.00
SUBTOTAL			\$190.10				-	\$190.10
	POWER	ACCOMPLISHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT	RATE	INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
DISC	145 HP	0.17 HR		\$1.45	\$3.58	\$1.15	\$2.71	\$8.89
PLOW	145 HP	0.67 HR		\$5.73	\$14.09	\$5.44	\$12.51	\$37.78
DISC	145 HP	0.17 HR		\$1.45	\$3.58	\$1.15	\$2.71	\$8.89
FLOAT FERTILIZE	145 HP 65 HP	0.24 HR 0.05 HR		\$2.05 \$0.43	\$5.05	\$0.96	\$2.75	\$10.81
LISTER	65 HP	0.05 HR 0.18 HR		\$0.43 \$1.54	\$0.58 \$2.10	\$0.11 \$0.59	\$1.49 \$1.52	\$2.61 \$5.75
MULCHER	145 HP	0.15 HR		\$1.28	\$3.16	\$1.29	\$4.43	\$3.75 \$10.16
SEEDER	65 HP	0.05 HR		\$0.43	\$0.58	\$0.11	\$1.49	\$2.61
MULCHER	145 HP	0.05 TIR 0.15 HR		\$1.28	\$3.16	\$1.29	\$4.43	\$10.16
LISTER	65 HP	0.18 HR		\$1.54	\$2.10	\$0.59	\$1.52	\$5.75
IRRIGATE (4X)	03111	2.00 HR		\$15.00	\$5.05	\$0.00	\$1.93	\$21.98
SUBTOTAL		4.01 HR		\$32.19	\$43.02	\$12.69	\$37.51	\$125.40
OVERHEAD EXPENSES								
DOWNTIME		0.50 HR		\$4.30				\$4.30
EMPLOYEE BENEFITS				\$5.79				\$5.79
INSURANCE			\$0.64					\$0.64
SUPERVISION AND MANAGEMENT			•	\$24.80				\$24.80
SUBTOTAL		0.50 HR	\$0.64	\$34.89				\$35.53
TOTAL OPERATING EXPENSES		4.51 HR	\$190.74	\$67.08	\$43.02	\$12.69	\$37.51	\$351.04

<sup>\*</sup> 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, Projected 2016

Harvest dates: June 1 - October 10

ITEM	PRICE		YIEL	D						TOTAL
GROSS RETURNS ALFALFA HAY GRAZING	\$185.00 \$15.00			TONS (I ACRE	N FIELD)					\$1,202.50 \$15.00
TOTAL										\$1,217.50
PURCHASED INPUTS	PRICE		QUANT	TITY	PURCHASED INPUTS				FIXED COST	TOTAL
WIRE ESTABLISHMENT: Principal : Interest	1.68			LBS YEARS	\$93.58				\$117.01 \$11.70	\$93.58 \$117.01 \$11.70
CANAL WATER PUMP WATER*				AC. IN. AC. IN.					\$45.00	\$45.00
SUBTOTAL				•	\$93.58				\$173.71	\$267.30
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLIS RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (9X)			4.50	HR		\$33.75	\$18.18	\$0.00	\$6.96	\$58.90
SUBTOTAL			4.50	HR		\$33.75	\$18.18	\$0.00	\$6.96	\$58.90
HARVEST OPERATIONS										
SWATHER (5X) BALER, PTO (5X)	14 FT 145 HP		0.80 1.05			\$6.84 \$8.98	\$7.64 \$22.09	\$0.46 \$4.33	\$34.61 \$19.90	\$49.55 \$55.30
SUBTOTAL			1.85	HR		\$15.82	\$29.72	\$4.80	\$54.50	\$104.84
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES			0.46	HR	\$0.99	\$3.95 \$8.92			\$2.57	\$3.95 \$8.92 \$0.99 \$2.57
SUPERVISION AND MANAGEMENT OTHER EXPENSES					\$114.00	\$90.65			Ψ2.07	\$90.65 \$114.00
SUBTOTAL			0.46	HR	\$115.00	\$103.53			\$2.57	\$221.10
TOTAL OPERATING EXPENSES			6.81	HR	\$208.58	\$153.09	\$47.91	\$4.80	\$237.76	\$652.13
NET OPERATING PROFIT										\$565.37
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTME	NT	•	\$54.21	@	5.50%	)				\$2.98 \$19.71
RETURN TO LAND AND RISK										\$542.68
* Pump water costs are shown under irriga	ation in the pref		ation section. SUMMARY							
GROSS RETURN		<b>#</b> 004.00	\$1,217.50							
VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES FIXED EXPENSES		\$261.28 \$237.76	\$956.22	(GROS	SS MARGIN)					
NET FARM INCOME  LABOR AND MANAGEMENT COST		\$153.09	\$718.46	(RETU	JRN TO CAPITAL,	LABOR, LA	ND & RISK)			
NET OPERATING PROFIT CAPITAL COSTS		\$22.69	\$565.37	(RETU	JRN TO CAPITAL,	LAND & RIS	SK)			
RETURN TO LAND AND RISK			\$542.68						-	

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, Projected 2016
Planting dates: April 15 - May 31

RETURN TO LAND AND RISK

	aatoo.	, .p c		٠.
Harvest	dates:	August	15 - O	ctoher 15

Harvest dates: August 15 - Octo	ber 15									
ITEM	PRICE		YIEL	.D						TOTAL
GROSS RETURNS										
CORN SILAGE	\$45.00		25.00	TONS (S	TANDING)					\$1,125.00
TOTAL									-	\$1,125.00
					PURCHASED				FIXED	
PURCHASED INPUTS	PRICE		QUAN	TITY	INPUTS				COST	TOTAL
SEED	\$3.75		30	000	\$112.50					\$112.50
NITROGEN (N)	\$0.48			LBS	\$15.36					\$15.36
PHOSPHATE (P205)	\$0.61			LBS	\$24.40					\$24.40
CANAL WATER				AC. IN.					\$45.00	\$45.00
PUMP WATER*			14	AC. IN.						
SUBTOTAL					\$152.26				\$45.00	\$197.26
	DOWER				DUDOUAGED		EUEL 0		EIVED	
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZE	65 HP		0.05	HR		\$0.43	\$0.58	\$0.11	\$1.49	\$2.61
DISC	145 HP		0.17			\$1.45	\$3.58	\$1.15	\$2.71	\$8.89
CHISEL	145 HP		0.20			\$1.71	\$4.21	\$1.09	\$3.56	\$10.57
DISC	145 HP		0.17			\$1.45	\$3.58	\$1.15	\$2.71	\$8.89
FLOAT	65 HP		0.24			\$2.05	\$2.80	\$0.31	\$1.06	\$6.22
LISTER	65 HP		0.18			\$1.54	\$2.10	\$0.59	\$1.52	\$5.75
PRE-IRRIGATE MULCHER	145 HP		0.75 0.15			\$5.63 \$1.28	\$1.77 \$3.16	\$0.00 \$1.29	\$0.68 \$4.43	\$8.07 \$10.16
PLANTER	145 HP		0.13			\$2.22	\$5.47	\$1.46	\$7.56	\$16.71
CULTIVATOR (2X)	65 HP		0.42			\$3.59	\$4.90	\$1.32	\$2.24	\$12.06
ROTOBUCK (3X)	145 HP		0.09			\$0.77	\$1.89	\$0.36	\$1.80	\$4.82
IRRIGATE (7X)			3.50	HR		\$26.25	\$12.37	\$0.00	\$4.74	\$43.36
SUBTOTAL			6.18	HR		\$48.38	\$46.40	\$8.84	\$34.50	\$138.12
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						\$83.92				\$83.92
OTHER EXPENSES					\$114.00					\$114.00
SUBTOTAL			0.46	HR	\$114.97	\$96.56			\$2.57	\$214.11
TOTAL OPERATING EXPENSES			6.64	HR	\$267.23	\$144.94	\$46.40	\$8.84	\$82.07	\$549.48
NET OPERATING PROFIT										\$575.52
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT			( \$89.94	@	5.50%	)				\$4.95 \$18.27
RETURN TO LAND AND RISK										\$552.30
* Pump water costs are shown under irrigation	n in the preh	arvest opera	ation section.							
		BUDGET	SUMMARY							
GROSS RETURN			\$1,125.00							
VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES		\$322.48	\$802.52	(GROS	S MARGIN)					
FIXED EXPENSES		\$82.07		•	,					
NET FARM INCOME LABOR AND MANAGEMENT COST		\$144.94	\$720.45	(RETU	RN TO CAPITAL, L	.abor, lani	0 & RISK)			
NET OPERATING PROFIT		ψι++.54	\$575.52	(RETU	RN TO CAPITAL, L	AND & RISK	)			
CAPITAL COSTS		\$23.21	<b>#</b> FF0 00							

\$552.30

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, Projected 2016
Planting dates: April 10 - April 30

i idiriliing	autos.	/ ipiii io	, tpi	11 00
Harvest	dates.	October	15 - I	December 15

Harvest dates: October	PRICE		YIEL	D	BASE					TOTA
GROSS RETURNS	FRICE		TIEL		DAGE					1017
LINT	\$0.72		600.00	LBS						\$432.00
SEED	\$0.07		960.00							\$62.40
DIRECT PAYMENT	\$0.0000		600.00		0.85					\$0.00
COUNTER CYCLICAL PAYMENT	\$0.0000		1,060.00	LBS	0.85					\$0.00
TOTAL									-	\$494.40
					PURCHASED				FIXED	
PURCHASED INPUTS	PRICE		QUAN	ΓΙΤΥ	INPUTS				COST	TOTA
SEED	\$7.55		17	LBS	\$128.35					\$128.3
NITROGEN (N)	\$0.48			LBS	\$38.40					\$38.40
PHOSPHATE (P205)	\$0.61			LBS	\$36.60					\$36.60
HERBICIDE CANAL WATER	\$14.08			ACRE	\$14.08				£45.00	\$14.0
CANAL WATER PUMP WATER*				AC. IN. AC. IN.	\$0.00				\$45.00	\$45.00
CROP INSURANCE	\$0.74			710	\$0.74					\$0.74
SUBTOTAL					\$218.17				\$45.00	\$263.17
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI: RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTA
	25.115									
FERTILIZE DISC	65 HP		0.05 0.17			\$0.43 \$1.45	\$0.58 \$3.58	\$0.11 \$1.15	\$1.49 \$2.71	\$2.6 \$8.8
PLOW	145 HP 145 HP		0.17			\$1.45 \$5.73	\$3.58 \$14.09	\$1.15 \$5.44	\$2.71 \$12.51	\$8.8 \$37.7
DISC & SPRAY	145 HP		0.15			\$1.28	\$3.16	\$1.11	\$3.61	\$9.1
FLOAT	65 HP		0.24			\$2.05	\$2.80	\$0.31	\$1.06	\$6.2
LISTER	145 HP		0.18			\$1.54	\$3.79	\$1.07	\$2.79	\$9.1
PRE-IRRIGATE MULCHER	145 HP		0.75 0.14			\$5.63 \$1.20	\$1.35 \$2.94	\$0.00 \$1.21	\$0.52 \$4.14	\$7.4 \$9.4
PLANTER	145 HP		0.14			\$2.22	\$5.47	\$1.46	\$7.56	\$16.7
CULTIVATOR (4X)	65 HP		0.84			\$7.18	\$9.80	\$2.65	\$4.48	\$24.1
HOEING (CUSTOM)					\$24.00					\$24.0
ROTOBUCK (3X) IRRIGATE (8X)	145 HP		0.03 4.00			\$0.26 \$30.00	\$0.63 \$10.77	\$0.12 \$0.00	\$0.60 \$4.13	\$1.6 \$44.9
		<u>-</u>								
SUBTOTAL			7.48	HR	\$24.00	\$58.97	\$58.96	\$14.64	\$45.60	\$202.1
HARVEST OPERATIONS										
COTTON PICKER (2X)	2 ROW		1.24	HR		\$10.60	\$19.12	\$8.87	\$92.51	\$131.10
COTTON TRAILER (2X)	HALF TON		2.50	HR		\$21.38	\$37.80	\$1.62	\$17.29	\$78.0
GIN COTTON (CUSTOM)					\$68.52					\$68.5
SUBTOTAL		-	3.74	HR	\$68.52	\$31.98	\$56.92	\$10.49	\$109.80	\$277.7
POSTHARVEST OPERATIONS										
SHREDDER	65 HP		0.29	HR		\$2.48	\$3.38	\$0.43	\$3.49	\$9.7
SUBTOTAL		-	0.29	HR		\$2.48	\$3.38	\$0.43	\$3.49	\$9.7
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS			1.56	HR		\$13.32				\$13.3
INSURANCE					\$1.87	\$16.82				\$16.8 \$1.8
LAND TAXES					****				\$2.57	\$2.5
SUPERVISION AND MANAGEMEN	Т					\$41.72				\$41.7
OTHER EXPENSES					\$114.00					\$114.0
SUBTOTAL		-	1.56	HR	\$115.87	\$71.86			\$2.57	\$190.3
OTAL OPERATING EXPENSES		-	13.07	HR	\$426.56	\$165.28	\$119.27	\$25.56	\$206.47	\$943.1
NET OPERATING PROFIT										(\$448.7
INTEREST ON OPERATING CAPIT.	AL	(	\$139.76	@	5.50%	)				\$7.6
INTEREST ON EQUIPMENT INVES		,	*******			,				\$75.3
RETURN TO LAND AND RISK										(\$531.7
* Pump water costs are shown unde	r irrigation in the prehar		on section. SUMMARY							
		DODGE1 :								
GROSS RETURN	•	¢574.20	\$494.40							
VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSE		\$571.39	(\$76.99)	(GROS	SS MARGIN)					
FIXED EXPENSES		\$206.47	(ψι υ.υυ)	,5,1,0,0						
			(\$283.46)	(RETU	RN TO CAPITAL,	LABOR, LAI	ND & RISK)			
NET FARM INCOME										
LABOR AND MANAGEMENT COST		\$165.28	, ,							
NET FARM INCOME  LABOR AND MANAGEMENT COST NET OPERATING PROFIT  CAPITAL COSTS		\$165.28 \$83.03	(\$448.73)	(RETU	RN TO CAPITAL,	LAND & RIS	SK)			

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, Projected 2016

Planting dates: May 1 - June 15

Planting dates: May 1 - June 15 Harvesting dates: October 15 - I	November 15									
ITEM	PRICE		YIELD		BASE					TOTAL
GROSS RETURNS										
GRAIN SORGHUM	\$5.91			CWT						\$354.86
DIRECT PAYMENT	\$0.00			CWT	0.85					\$0.00
COUNTER CYCLICAL PAYMENT	\$0.50			CWT						\$0.00
GRAZING	\$10.00		1.00	ACRE						\$10.00
TOTAL									-	\$364.86
PURCHASED INPUTS	PRICE		QUANTI	ΓY	PURCHASED INPUTS				FIXED COST	TOTAL
					1141 010				0001	
SEED	\$1.70			LBS	\$13.60					\$13.60
NITROGEN (N)	\$0.48			LBS	\$15.36					\$15.36
PHOSPHATE (P205)	\$0.61			LBS	\$24.40					\$24.40
HERBICIDE	\$14.08			ACRE	\$14.08					\$14.08
INSECTICIDE	\$11.30			ACRE	\$11.30					\$11.30
CANAL WATER				AC. IN					\$45.00	\$45.00
PUMP WATER*			12	AC. IN						
CROP INSURANCE	\$1.47				\$1.47					\$1.47
SUBTOTAL					\$80.21				\$45.00	\$125.21
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLISH RATE	MENT	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERTILIZER	65 HP		0.15			\$1.28	\$1.75	\$0.33	\$4.47	\$7.83
DISC	145 HP		0.20			\$1.71	\$4.21	\$1.35	\$3.19	\$10.46
CHISEL	145 HP		0.40	HR		\$3.42	\$8.41	\$2.18	\$7.12	\$21.14
DISC	145 HP		0.20	HR		\$1.71	\$4.21	\$1.35	\$3.19	\$10.46
FLOAT	145 HP		0.25			\$2.14	\$5.26	\$1.00	\$2.87	\$11.26
SPRAYER	65 HP		0.20			\$1.71	\$2.33	\$0.39	\$2.25	\$6.69
LISTER	65 HP		0.50	HR		\$4.28	\$5.83	\$1.64	\$4.22	\$15.97
PRE-IRRIGATE			0.75	HR		\$5.63	\$2.02	\$0.00	\$0.77	\$8.42
MULCHER	145 HP		0.20			\$1.71	\$4.21	\$1.72	\$5.91	\$13.55
PLANTER	145 HP		0.25	HR		\$2.14	\$5.26	\$1.40	\$7.27	\$16.07
SPRAYER	65 HP		0.20	HR		\$1.71	\$2.33	\$0.39	\$2.25	\$6.69
CULTIVATOR (2X)	65 HP		0.60			\$5.13	\$7.00	\$1.89	\$3.20	\$17.23
ROTOBUCK (3X)	145 HP		0.25	HR		\$2.14	\$5.26	\$1.00	\$4.99	\$13.39
IRRIGATE (5X)			2.50	HR		\$18.75	\$10.10	\$0.00	\$3.87	\$32.72
SUBTOTAL		_	6.65	HR		\$53.45	\$68.19	\$14.66	\$55.58	\$191.86
HARVEST OPERATIONS										
COMBINE (CUSTOM)					\$25.20					\$25.20
HAUL (CUSTOM)					\$11.40					\$11.40
SUBTOTAL		-	0.00	HR	\$36.60					\$36.60
			0.00		φοσ.σσ					Ψ00.00
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						\$27.57				\$27.57
OTHER EXPENSES					\$114.00					\$114.00
SUBTOTAL		-	0.61	HR	\$115.07	\$42.42			\$2.57	\$160.07
TOTAL OPERATING EXPENSES		=	7.26	HR	\$231.89	\$95.87	\$68.19	\$14.66	\$103.15	\$513.75
NET OPERATING PROFIT										(\$148.89)
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		(	\$63.87	@	5.50%	)				\$3.51 \$29.42
RETURN TO LAND AND RISK										(\$181.82)
* Pump water costs are shown under irrigation	n in the preharv									
·		BUDGET	SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES		\$314.73	\$364.86							

GROSS RETURN		\$364.86	
VARIABLE OPERATING EXPENSES	\$314.73		
RETURN OVER VARIABLE EXPENSES		\$50.13	(GROSS MARGIN)
FIXED EXPENSES	\$103.15		
NET FARM INCOME		(\$53.02)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$95.87		
NET OPERATING PROFIT		(\$148.89)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$32.93		
RETURN TO LAND AND RISK		(\$181.82)	

TABLE 11. Summary of per acre costs and returns for a 200 acre farm with above average management, Virden area, Hidalgo County, Projected 2016

TONS   TONS   LBS   CWT	Projected 2016	ALFALFA ESTABLISHMENT	ALFALFA HAY	CORN SILAGE	PICKER COTTON	GRAIN SORGHUM
PRIMARY PRICE   \$18.500 \$45.00 \$0.02 \$0.02 \$0.00 \$0.		EOTABLIOTIMENT				
PRIMARY PRICE   \$18.500 \$45.00 \$0.02 \$0.02 \$0.00 \$0.	PRIMARY VIELD		6 50	25.00	600.00	60.00
GOVERNMENT PAYMENTS SECOND INCOME  S15.00 S0.00						\$5.91
SECOND INCOME         \$15.00         \$0.00         \$62.40         \$10.0           GROSS RETURN         \$1,217.50         \$1,125.00         \$494.40         \$364.4           CASH OPERATING EXPENSES         \$150.00         \$112.50         \$149.40         \$364.4           SEED         \$150.00         \$112.50         \$128.35         \$13.1           CHEMICALS         \$40.10         \$39.76         \$75.00         \$39.5           CHON INSURANCE         \$93.58         \$0.74         \$1.           COTHER PURCHASED INPUTS         \$93.58         \$0.00						\$0.00
CASH OPERATING EXPENSES  SEED  SEED  \$150.00 \$112.50 \$128.35 \$13. FERTILIZER \$40.10 \$39.76 \$75.00 \$39. CHEMICALS \$14.08 \$25. CROP INSURANCE \$33.58 CANAL WATER \$0.00 \$0.						\$10.00
SEED	GROSS RETURN		\$1,217.50	\$1,125.00	\$494.40	\$364.86
FERTILIZER CHEMICALS CROP INSURANCE OTHER PURCHASED INPUTS CANAL WATER SO.00 \$0.00 \$	CASH OPERATING EXPENSES					
CHEMICALS CROP INSURANCE OTHER PURCHASED INPUTS CANAL WATER CANAL WATER CANAL WATER FUEL, OIL & LUBRICANTS-EQUIPMENT FUEL, IRRIGATION S.5.05 S.18.18 S12.69 S4.80 S8.84 S25.56 S14.12 REPAIRS CUSTOM CHARGES LAND TAXES OTHER EXPENSES S0.64 S115.00 S114.97 S115.87 S	SEED	\$150.00		\$112.50	\$128.35	\$13.60
CROP INSURANCE OTHER PURCHASED INPUTS CANAL WATER \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 FUEL, OIL & LUBRICANTS-EQUIPMENT FUEL-IRRIGATION \$5.05 \$18.18 \$14.14 \$12.12 \$12. \$12.02 \$12.02 \$12.12 \$12. \$12.02 \$12.12 \$12. \$12.02 \$12.12 \$12. \$12.02 \$12.12 \$12. \$12.02 \$12.12 \$12. \$12.02 \$12.12 \$12. \$12.02 \$12.12 \$12. \$12.02 \$12. \$12.03 \$12.69 \$4.80 \$8.84 \$25.56 \$14. \$14.00 \$14.80 \$8.84 \$25.56 \$14. \$14.00 \$14.80 \$8.84 \$25.56 \$14. \$14.00 \$14.80 \$8.84 \$25.56 \$14. \$14.00 \$14.80 \$115.00 \$114.97 \$115.87 \$115. \$15.00 \$114.90 \$114.90 \$116.20 \$116. \$15.00 \$114.90 \$116. \$15.00 \$114.90 \$116.90 \$116. \$15.00 \$114.90 \$116.90 \$116. \$15.00 \$114.90 \$116.90 \$116. \$15.00 \$114.90 \$116.90 \$116. \$15.00 \$114.	FERTILIZER	\$40.10		\$39.76	\$75.00	\$39.76
OTHER PURCHASED INPUTS         \$93.58         \$93.58         \$0.00         \$0.	CHEMICALS				\$14.08	\$25.38
CANAL WATER         \$0.00					\$0.74	\$1.47
FUEL, OIL & LUBRICANTS-EQUIPMENT FUEL-IRRIGATION \$37.97 \$29.72 \$32.26 \$107.15 \$56.15 FUEL-IRRIGATION \$5.05 \$18.18 \$14.14 \$12.12 \$12.25 REPAIRS \$12.69 \$4.80 \$8.84 \$25.56 \$14.16 CUSTOM CHARGES \$12.69 \$4.80 \$8.84 \$25.56 \$14.16 CUSTOM CHARGES \$12.69 \$4.80 \$8.84 \$25.56 \$14.16 CUSTOM CHARGES \$12.69 \$4.80 \$8.84 \$25.56 \$14.17 S92.52 \$36.16 LAND TAXES OTHER EXPENSES \$0.64 \$115.00 \$114.97 \$115.87 \$115.87 FUEL-IRRIGATION TOTAL CASH EXPENSES \$246.45 \$263.86 \$325.05 \$573.96 \$317.15  RETURN OVER CASH EXPENSES \$246.45 \$263.86 \$325.05 \$573.96 \$317.15  FIXED EXPENSES \$37.51 \$235.18 \$79.95 (\$79.56) \$47.15  FIXED EXPENSES \$37.51 \$235.18 \$79.50 \$203.89 \$100.15  TOTAL EXPENSES \$283.96 \$499.04 \$404.55 \$777.86 \$417.15  NET FARM INCOME \$283.96 \$718.46 \$720.45 (\$283.46) (\$53.15  LABOR AND MANAGEMENT COSTS \$67.08 \$153.09 \$144.94 \$165.28 \$95.15  NET OPERATING PROFIT \$37.97 \$2.97 \$2.27 \$2.27 \$2.27  \$32.26 \$1.21 \$32.27 \$32.27  \$32.28 \$4.95 \$7.69 \$3.27  INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT \$19.71 \$18.27 \$75.35 \$29.15  TOTAL CAPITAL COSTS \$0.00 \$22.69 \$23.21 \$83.03 \$32.15  **TOTAL CAPITAL COSTS**						
FUEL-IRRIGATION \$5.05 \$18.18 \$14.14 \$12.12 \$12. REPAIRS \$12.69 \$4.80 \$8.84 \$25.56 \$14. CUSTOM CHARGES \$2.57		· ·				\$0.00
REPAIRS   \$12.69	,	·				\$56.07
CUSTOM CHARGES LAND TAXES OTHER EXPENSES         \$92.57         \$92.57         \$92.57         \$2.57 </td <td></td> <td>· ·</td> <td></td> <td></td> <td></td> <td>\$12.12</td>		· ·				\$12.12
LAND TAXES OTHER EXPENSES         \$2.57         \$2.57         \$2.57         \$2.57         \$2.57         \$2.57         \$2.57         \$115.87         \$110.87         \$115.87         \$110.87         \$110.87		\$12.69	\$4.80	\$8.84		\$14.66
OTHER EXPENSES         \$0.64         \$115.00         \$114.97         \$115.87         \$115.87           TOTAL CASH EXPENSES         \$246.45         \$263.86         \$325.05         \$573.96         \$317.31           RETURN OVER CASH EXPENSES         (\$246.45)         \$953.64         \$799.95         (\$79.56)         \$47.32           FIXED EXPENSES         \$37.51         \$235.18         \$79.50         \$203.89         \$100.32           TOTAL EXPENSES         \$283.96         \$499.04         \$404.55         \$777.86         \$417.32           NET FARM INCOME         (\$283.96)         \$718.46         \$720.45         (\$283.46)         (\$53.12)           LABOR AND MANAGEMENT COSTS         \$67.08         \$153.09         \$144.94         \$165.28         \$95.32           NET OPERATING PROFIT         (\$351.04)         \$565.37         \$575.52         (\$448.73)         (\$148.32)           CAPITAL COSTS         \$19.71         \$18.27         \$75.35         \$29.32           TOTAL CAPITAL COSTS         \$0.00         \$22.69         \$23.21         \$83.03         \$32.52			00.57	00.57		\$36.60
TOTAL CASH EXPENSES \$246.45 \$263.86 \$325.05 \$573.96 \$317.38  RETURN OVER CASH EXPENSES (\$246.45) \$953.64 \$799.95 (\$79.56) \$47.38  FIXED EXPENSES \$37.51 \$235.18 \$79.50 \$203.89 \$100.38  TOTAL EXPENSES \$283.96 \$499.04 \$404.55 \$777.86 \$417.38  NET FARM INCOME (\$283.96) \$718.46 \$720.45 (\$283.46) (\$53.48  LABOR AND MANAGEMENT COSTS \$67.08 \$153.09 \$144.94 \$165.28 \$95.38  NET OPERATING PROFIT (\$351.04) \$565.37 \$575.52 (\$448.73) (\$148.38  CAPITAL COSTS  INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT \$19.71 \$18.27 \$75.35 \$29.38  TOTAL CAPITAL COSTS \$0.00 \$22.69 \$23.21 \$83.03 \$32.38		20.04		-		\$2.57
RETURN OVER CASH EXPENSES (\$246.45) \$953.64 \$799.95 (\$79.56) \$47.35 (\$79.56) \$47.35 (\$79.56) \$47.35 (\$79.56) \$47.35 (\$79.56) \$100.35 (\$79.56)	OTHER EXPENSES	\$0.64	\$115.00	\$114.97	\$115.87	\$115.07
FIXED EXPENSES \$37.51 \$235.18 \$79.50 \$203.89 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$	TOTAL CASH EXPENSES	\$246.45	\$263.86	\$325.05	\$573.96	\$317.30
TOTAL EXPENSES \$283.96 \$499.04 \$404.55 \$777.86 \$417.35 NET FARM INCOME (\$283.96) \$718.46 \$720.45 (\$283.46) (\$53.45 NET FARM INCOME (\$283.96) \$718.46 \$720.45 (\$283.46) (\$53.45 NET OPERATING PROFIT (\$351.04) \$565.37 \$575.52 (\$448.73) (\$148.45 NET OPERATING CAPITAL COSTS INTEREST ON OPERATING CAPITAL \$2.98 \$4.95 \$7.69 \$3.16 NITEREST ON EQUIPMENT INVESTMENT \$19.71 \$18.27 \$75.35 \$29.45 NITEREST ON CAPITAL COSTS \$0.00 \$22.69 \$23.21 \$83.03 \$32.55 NITEREST ON CAPITAL COSTS \$0.00 \$22.69 \$23.21 \$83.03 \$32.55 NITEREST ON CAPITAL COSTS	RETURN OVER CASH EXPENSES	(\$246.45)	\$953.64	\$799.95	(\$79.56)	\$47.55
NET FARM INCOME       (\$283.96)       \$718.46       \$720.45       (\$283.46)       (\$53.46)         LABOR AND MANAGEMENT COSTS       \$67.08       \$153.09       \$144.94       \$165.28       \$95.40         NET OPERATING PROFIT       (\$351.04)       \$565.37       \$575.52       (\$448.73)       (\$148.40)         CAPITAL COSTS       INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT       \$2.98       \$4.95       \$7.69       \$3.40         TOTAL CAPITAL COSTS       \$0.00       \$22.69       \$23.21       \$83.03       \$32.50	FIXED EXPENSES	\$37.51	\$235.18	\$79.50	\$203.89	\$100.58
LABOR AND MANAGEMENT COSTS \$67.08 \$153.09 \$144.94 \$165.28 \$95.104 \$165.28 \$95.104 \$165.28 \$165	TOTAL EXPENSES	\$283.96	\$499.04	\$404.55	\$777.86	\$417.88
NET OPERATING PROFIT (\$351.04) \$565.37 \$575.52 (\$448.73) (\$148.42)  CAPITAL COSTS INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT  TOTAL CAPITAL COSTS  \$0.00 \$22.69 \$23.21 \$83.03 \$32.50	NET FARM INCOME	(\$283.96)	\$718.46	\$720.45	(\$283.46)	(\$53.02)
CAPITAL COSTS  INTEREST ON OPERATING CAPITAL  INTEREST ON EQUIPMENT INVESTMENT  TOTAL CAPITAL COSTS  \$0.00 \$22.69 \$23.21 \$83.03 \$32.50	LABOR AND MANAGEMENT COSTS	\$67.08	\$153.09	\$144.94	\$165.28	\$95.87
INTEREST ON OPERATING CAPITAL   \$2.98	NET OPERATING PROFIT	(\$351.04)	\$565.37	\$575.52	(\$448.73)	(\$148.89)
INTEREST ON OPERATING CAPITAL   \$2.98	CAPITAL COSTS					
INTEREST ON EQUIPMENT INVESTMENT         \$19.71         \$18.27         \$75.35         \$29.           TOTAL CAPITAL COSTS         \$0.00         \$22.69         \$23.21         \$83.03         \$32.50			\$2.08	\$4.95	\$7.60	\$3.51
						\$29.42
DETURNING AND AND DISK	TOTAL CAPITAL COSTS	\$0.00	\$22.69	\$23.21	\$83.03	\$32.93
KETUKN TO LAND AND RISK (\$351.04) \$542.68 \$552.30 (\$531.77) (\$181.6	RETURN TO LAND AND RISK	(\$351.04)	\$542.68	\$552.30	(\$531.77)	(\$181.82)

TABLE 12. Whole farm summary, Virden area, Hidalgo County, Projected 2016

Projected 20	16			
GROSS RETURNS ALFALFA HAY	45.00 ACRES			
CROP	45.00 ACRES	\$54,113		
GRAZING		\$675		
CORN SILAGE	43.00 ACRES	****		
CROP		\$48,375		
UPLAND COTTON	68.00 ACRES			
LINT		\$29,376		
SEED		\$4,243		
DIRECT PAYMENT		\$0		
COUNTER CYCLICAL F		\$0		
	34.00 ACRES	040.005		
CROP		\$12,065		
DIRECT PAYMENT	DAVMENT	\$0 \$0		
COUNTER CYCLICAL F GRAZING	ATMENT			
GRAZING		\$340		
GROSS RETURN			-	\$148,847
CASH OPERATING EXPE	NSES			
SEED		\$16,278		
FERTILIZER		\$8,763		
CHEMICALS		\$1,820		
CROP INSURANCE		\$100		
OTHER PURCHASED	INPUTS	\$4,211		
CANAL WATER		\$0		
FUEL, OIL & LUBRICA	NTS-EQUIPMENT	\$12,487		
<b>FUEL-IRRIGATION</b>		\$2,738		
REPAIRS		\$3,023		
CUSTOM CHARGES		\$7,536		
LAND TAXES		\$489		
OTHER EXPENSES		\$21,920		
<b></b>		<u>-</u>	<b>^</b>	
TOTAL CASI	H EXPENSES		\$79,365	
RETURN OVER CASH EXPENSES				\$69,482
FIXED EXPENSES		\$26,583		
TOTAL EXPE	ENSES		\$105,948	
NET FARM INCOME				\$42,899
LABOR AND MANAGEME	\$28,626			
NET OPERATING PROFIT				\$14,273
				. ,
CAPITAL COSTS INTEREST ON OPERA	\$989			
INTEREST ON EQUIP	MENT INVESTMENT	\$7,796		
TOTAL CAPI	TAL COSTS	_	\$8,785	
RETURN TO LAND AND I		-	\$5,487	

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$700 /ACRE	\$1,287	5.99%
\$900 /ACRE	\$87	5.13%
\$1,100 /ACRE	(\$1,113)	4.48%
\$1,300 /ACRE	(\$2,313)	3.98%
\$1,500 /ACRE	(\$3,513)	3.58%
\$1,700 /ACRE	(\$4,713)	3.26%
\$1,900 /ACRE	(\$5,913)	2.98%

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