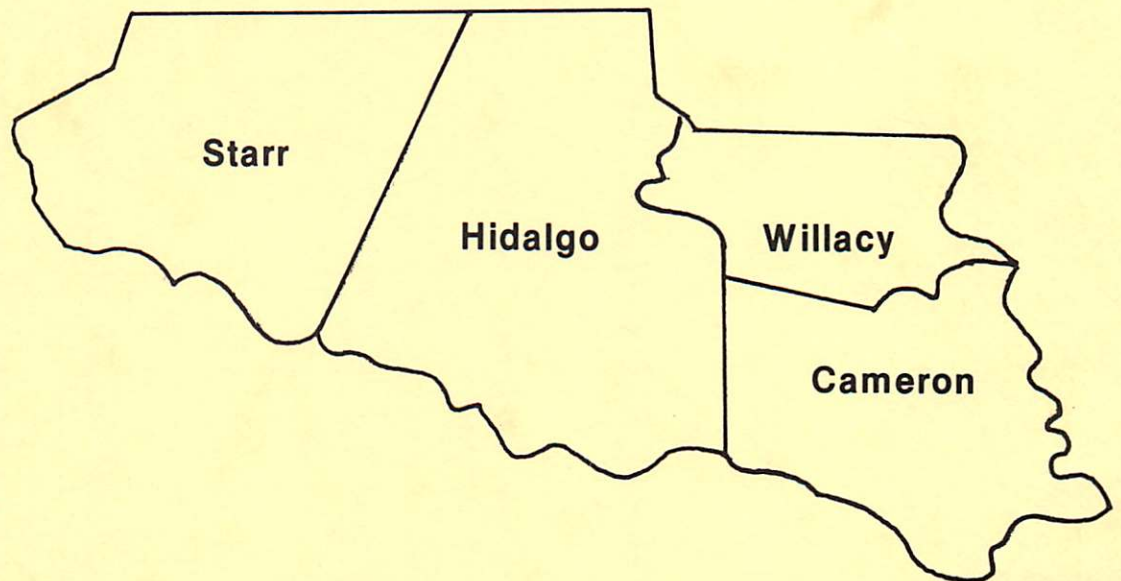
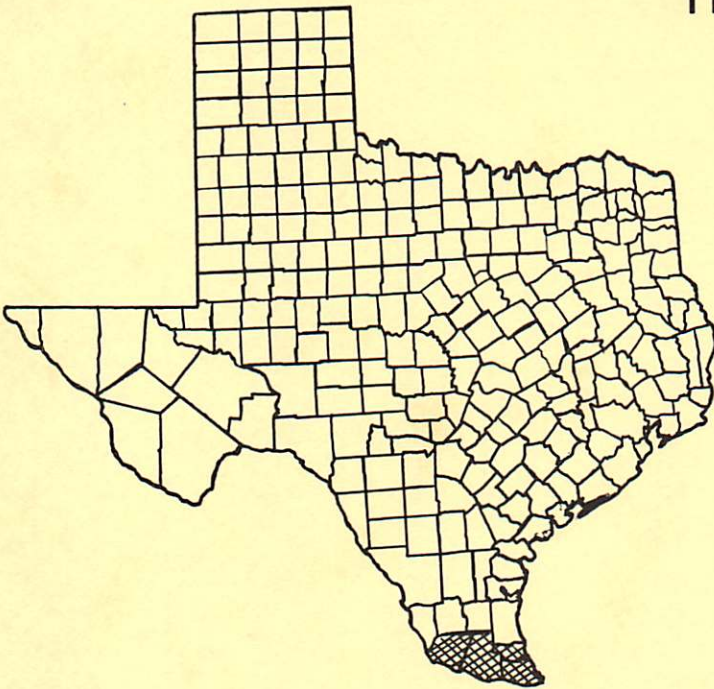


TEXAS RIO GRANDE VALLEY

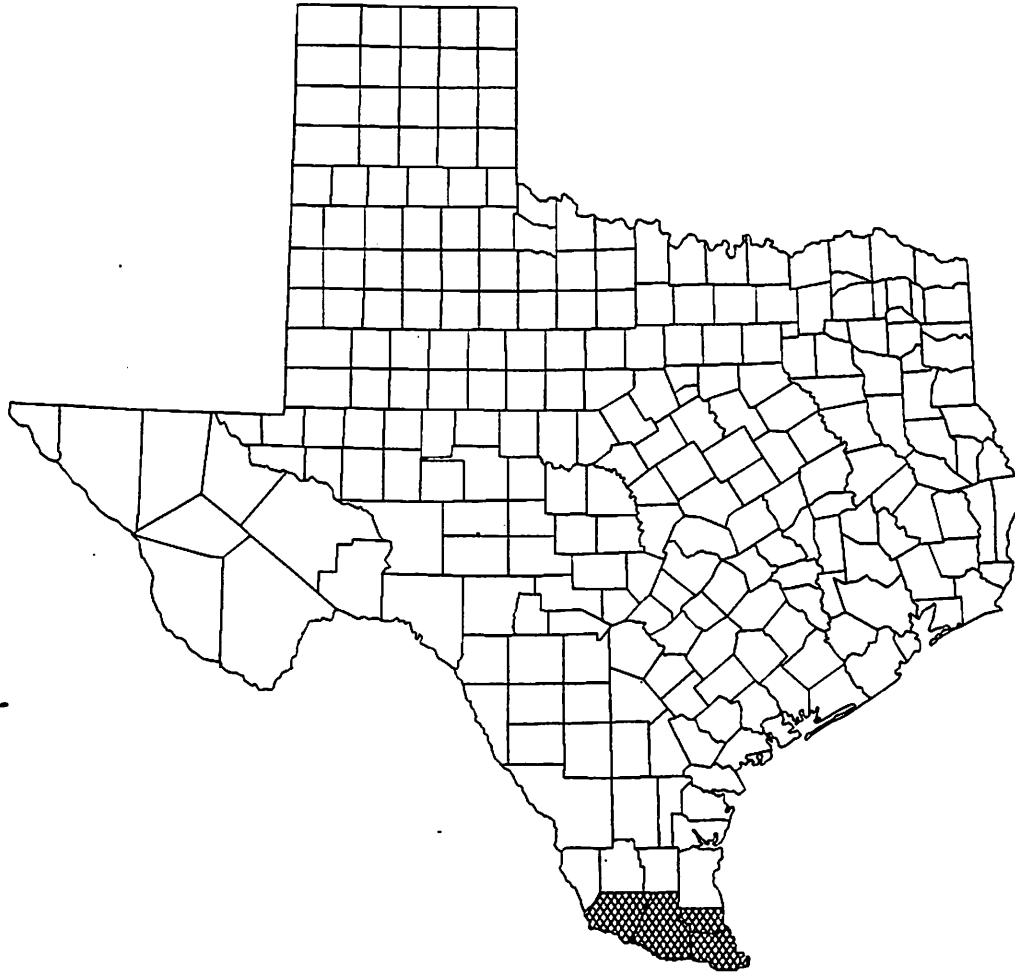
SOIL RESOURCE AREA 19



TEXAS CROP ENTERPRISE BUDGETS

TEXAS RIO GRANDE VALLEY REGION

Projected for 1984



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COTTON, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	400.00	LB.	0.65	260.00	_____
COTTONSEED	0.32	TON	115.00	36.80	_____
DEFICIENCY PMT.	400.00	LB.	0.18	72.00	_____
TOTAL PROJECTED RETURNS				\$ 368.80	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SEED COTTON	18.00	LB.	0.48	8.64	_____
*NITROGEN (DRY)	30.00	LB.	0.27	8.10	_____
*PHOSPHATE	30.00	LB.	0.25	7.50	_____
*HERBICIDE	1.00	ACRE	21.72	21.72	_____
*INSECTICIDE	4.00	APPL	4.50	18.00	_____
PESTICIDE APPL.	4.00	APPL	4.50	18.00	_____
FUEL & LUBE--TRACTOR		ACRE		12.65	_____
EQUIPMENT		ACRE		2.75	_____
REPAIRS-----TRACTOR		ACRE		4.13	_____
EQUIPMENT		ACRE		3.10	_____
LABOR-----MACHINERY	2.31	HOUR	4.50	10.38	_____
EQUIPMENT	1.19	HOUR	4.50	5.35	_____
OTHER	1.00	HOUR	4.50	4.50	_____
OPERATING CAPITAL	37.75	DOL.	0.130	4.91	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 129.73	\$ _____
HARVEST COSTS					
*DEFOLIANT	1.00	ACRE	4.60	4.60	_____
DEFOLIANT APPLI.	1.00	ACRE	4.50	4.50	_____
*GIN, BAG, TIES	0.83	BALE	48.00	39.84	_____
FUEL & LUBE--TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		6.21	_____
REPAIRS-----TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		22.25	_____
LABOR-----MACHINERY	1.33	HOUR	4.50	6.00	_____
EQUIPMENT	0.03	HOUR	4.50	0.13	_____
SUBTOTAL, HARVEST		ACRE		\$ 83.54	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 213.27	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.26/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 155.53	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		24.72	_____
EQUIPMENT		ACRE		64.83	_____
LAND-CASH RENT	1.00	ACRE	55.00	55.00	_____
TOTAL FIXED COSTS		ACRE		\$ 144.56	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 357.82	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.62/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 10.98	\$ _____

PRICE BASED ON LOAN RATE ADJUSTED FOR QUALITY. DEFICIENCY
 PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROGRAM.

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COTTON, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	4,46	SEPT	1.00	0.283	0.214	1.34	1.27	0.0	4.41	7.03
MOLDBOARD PLOW	2,30	SEPT	0.50	0.285	0.216	2.66	1.28	0.0	5.37	9.31
CHISEL PLOW	2,32	SEPT	0.50	0.101	0.076	0.89	0.45	0.0	1.52	2.86
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
OFFSET DISC	2,38	OCT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BEDDER 6R	2,35	NOV	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	2,59	JAN	1.00	0.203	0.154	1.57	0.91	15.60	2.16	20.24
HERB SPRAYR 6R	47	JAN	1.25	0.0	0.198	0.14	0.0	21.72	0.49	22.36
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
PLANTER 6R	2,36	FEB	1.25	0.252	0.191	2.44	1.13	8.64	4.61	16.83
CULTIVATOR 6R	2,44	MAR	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
CULTIVATOR 6R	2,44	MAY	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
CTTN PICKR 2R	17	AUG	1.25	1.334	1.068	31.39	6.00	39.84	44.06	121.30
TOTALS				3.640	3.013	50.84	16.38	85.80	81.05	234.08

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF COTTON LINT
(DOLLARS)

LB.	0.52 0.58 0.65 0.71 0.78				
320.00	48.14	68.94	89.74	110.54	131.34
360.00	75.84	99.24	122.64	146.04	169.44
400.00	103.53	129.53	155.53	181.53	207.53
440.00	131.23	159.83	188.43	217.03	245.63
480.00	158.92	190.12	221.32	252.52	283.72

QUANTITY OF
COTTON LINT

COTTON, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	650.00	LB.	0.65	422.50	
COTTONSEED	0.52	TON	115.00	59.80	
DEFICIENCY PMT.	650.00	LB.	0.18	117.00	
TOTAL PROJECTED RETURNS				\$ 599.30	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SEED COTTON	18.00	LB.	0.48	8.64	
*NITROGEN (DRY)	60.00	LB.	0.27	16.20	
*PHOSPHATE	60.00	LB.	0.25	15.00	
*HERBICIDE	1.00	ACRE	21.72	21.72	
*INSECTICIDE	6.00	APPL	4.50	27.00	
PESTICIDE APPL.	6.00	APPL	4.50	27.00	
*IRRIG. WATER	3.00	APPL	15.00	45.00	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.86	
EQUIPMENT		ACRE		2.75	
REPAIRS-----TRACTOR		ACRE		4.90	
EQUIPMENT		ACRE		3.11	
LABOR-----MACHINERY	2.67	HOUR	4.50	11.99	
IRRIGATION	4.50	HOUR	4.50	20.25	
EQUIPMENT	1.19	HOUR	4.50	5.35	
OTHER	1.00	HOUR	4.50	4.50	
OPERATING CAPITAL	58.18	DOL.	0.130	7.56	
SUBTOTAL, PREHARVEST		ACRE		\$ 235.84	\$
HARVEST COSTS					
*GIN, BAG, TIES	1.35	BALE	48.00	64.80	
FUEL & LUBE--TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		7.45	
REPAIRS-----TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		26.70	
LABOR-----MACHINERY	1.60	HOUR	4.50	7.21	
EQUIPMENT	0.03	HOUR	4.50	0.13	
SUBTOTAL, HARVEST		ACRE		\$ 106.29	\$
TOTAL VARIABLE COSTS		ACRE		\$ 342.13	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.25/LB. COTTON LINT					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 257.17	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.45	
EQUIPMENT		ACRE		74.47	
LAND-CASH RENT	1.00	ACRE	70.00	70.00	
TOTAL FIXED COSTS		ACRE		\$ 172.92	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 515.05	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.52/LB. COTTON LINT					
6. NET PROJECTED RETURNS		ACRE		\$ 84.25	\$

PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY
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COTTON, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	2,46	SEPT	1.00	0.283	0.214	2.34	1.27	0.0	4.06	7.67
CHISEL PLOW	2,32	SEPT	0.50	0.101	0.076	0.89	0.45	0.0	1.52	2.86
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
OFFSET DISC	2,38	OCT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BEDDER 6R	2,35	DEC	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
HERB SPRAYR 6R	4,47	JAN	1.00	0.209	0.159	0.99	0.94	21.72	2.87	26.53
FERT.APPL,RNTD	2,59	JAN	1.00	0.203	0.154	1.57	0.91	31.20	2.16	35.84
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
PLANTER 6R	2,36	FEB	1.25	0.252	0.191	2.44	1.13	8.64	4.61	16.83
CULTIVATOR 6R	2,44	MAR	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
DITCHER BLADE	4,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
DITCHER BLADE	4,48	APR	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
CULTIVATOR 6R	2,44	MAY	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
DITCHER BLADE	4,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
CTTN PICKR 2R	17	AUG	1.50	1.601	1.281	37.67	7.21	64.80	52.87	162.55
TOTALS				4.267	3.300	60.12	19.20	126.36	94.42	300.09

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		18.00	4.500	0.0	0.0	20.25	45.00	0.0	65.25

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF COTTON LINT
(DOLLARS)

		0.52	0.58	0.65	0.71	0.78
QUANTITY OF COTTON LINT	LB.					
	520.00	82.67	116.47	150.27	184.07	217.87
	585.00	127.67	165.69	203.72	241.74	279.77
	650.00	172.67	214.92	257.17	299.42	341.67
	715.00	217.67	264.14	310.62	357.09	403.57
	780.00	262.67	313.37	364.07	414.77	465.47

GRAIN SORGHUM, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAIN SORGHUM	28.00	CWT.	4.80	134.40	_____
DEFICIENCY PMT.	28.00	CWT.	0.82	22.96	_____
TOTAL PROJECTED RETURNS				\$ 157.36	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*GRAIN SORG.SEED	6.00	LB.	0.77	4.62	_____
*NITROGEN (DRY)	30.00	LB.	0.27	8.10	_____
*INSECTICIDE	2.00	APPL	1.72	3.44	_____
PESTICIDE APPL.	2.00	APPL	4.50	9.00	_____
FUEL & LUBE--TRACTOR		ACRE		11.11	_____
EQUIPMENT		ACRE		2.75	_____
REPAIRS-----TRACTOR		ACRE		3.43	_____
EQUIPMENT		ACRE		2.84	_____
LABOR-----MACHINERY	2.20	HR	4.50	9.92	_____
EQUIPMENT	1.19	HR	4.50	5.35	_____
OPERATING CAPITAL	13.96	DOL.	0.130	1.82	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 62.38	\$ _____
HARVEST COSTS					
CUS HARV SORG D	28.00	CWT.	0.35	9.80	_____
HAUL GRAIN SORG	28.00	CWT.	0.35	9.80	_____
SUBTOTAL, HARVEST		ACRE		\$ 19.60	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 81.98	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.11/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 75.38	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		24.18	_____
EQUIPMENT		ACRE		14.62	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
TOTAL FIXED COSTS		ACRE		\$ 78.80	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 160.79	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.92/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -3.43	\$ _____

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GRAIN SORGHUM, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	4,46	AUG	1.00	0.283	0.214	1.34	1.27	0.0	4.41	7.03
MOLDBOARD PLOW	2,30	AUG	0.50	0.285	0.216	2.66	1.28	0.0	5.37	9.31
OFFSET DISC	2,38	AUG	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
OFFSET DISC	2,38	OCT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BEDDER 6R	2,35	DEC	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	2,59	JAN	1.00	0.203	0.154	1.57	0.91	8.10	2.16	12.74
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
PLANTER 6R	2,36	FEB	1.25	0.252	0.191	2.44	1.13	4.62	4.61	12.81
CULTIVATOR 6R	4,44	MAR	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
CULTIVATOR 6R	4,44	MAY	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
TOTALS				2.205	1.670	16.95	9.92	12.72	35.50	75.10

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF GRAIN SORGHUM (DOLLARS)				
		3.84	4.32	4.80	5.28	5.76
QUANTITY OF GRAIN SORGHUM	CWT.					
	22.40	26.32	37.07	47.82	58.58	69.33
	25.20	37.41	49.50	61.60	73.70	85.79
	28.00	48.50	61.94	75.38	88.82	102.26
	30.80	59.58	74.37	89.15	103.94	118.72
	33.60	70.67	86.80	102.93	119.06	135.18

GRAIN SORGHUM, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAIN SORGHUM	50.00	CWT.	4.80	240.00	_____
DEFICIENCY PMT.	50.00	CWT.	0.82	41.00	_____
TOTAL PROJECTED RETURNS				\$ 281.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GRAIN SORG. SEED	8.00	LB.	0.77	6.16	_____
*NITROGEN (DRY)	120.00	LB.	0.27	32.40	_____
*PHOSPHATE	60.00	LB.	0.25	15.00	_____
HERBICIDE	1.00	APPL	3.53	3.53	_____
*INSECTICIDE	7.00	APPL	1.72	12.04	_____
PESTICIDE APPL.	7.00	APPL	4.50	31.50	_____
*IRRIG. WATER	3.00	APPL	15.00	45.00	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		15.04	_____
EQUIPMENT		ACRE		2.75	_____
REPAIRS-----TRACTOR		ACRE		4.93	_____
EQUIPMENT		ACRE		3.50	_____
LABOR-----MACHINERY	2.73	HOURL	4.50	12.26	_____
IRRIGATION	4.50	HOURL	4.50	20.25	_____
EQUIPMENT	1.19	HOURL	4.50	5.35	_____
OPERATING CAPITAL	62.31	DOL.	0.130	8.10	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 217.82	\$ _____
HARVEST COSTS					
CUS HARV SORG D	50.00	CWT.	0.35	17.50	_____
HAUL GRAIN SORG	50.00	CWT.	0.35	17.50	_____
SUBTOTAL, HARVEST		ACRE		\$ 35.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 252.82	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.24/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 28.18	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		29.18	_____
EQUIPMENT		ACRE		17.48	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
TOTAL FIXED COSTS		ACRE		\$ 96.66	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 349.48	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.17/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -68.48	\$ _____

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GRAIN SORGHUM, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	4,46	AUG	1.00	0.283	0.214	1.34	1.27	0.0	4.41	7.03
OFFSET DISC	2,38	AUG	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
MOLDBOARD PLOW	2,30	AUG	0.50	0.285	0.216	2.66	1.28	0.0	5.37	9.31
CHISEL PLOW	2,32	AUG	0.50	0.101	0.076	0.89	0.45	0.0	1.52	2.86
OFFSET DISC	2,38	SEPT	2.00	0.421	0.319	3.74	1.89	0.0	7.63	13.27
BEDDER 6R	2,35	DEC	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	2,59	JAN	1.00	0.203	0.154	1.57	0.91	47.40	2.16	52.04
RLNG CULT 6R	2,34	JAN	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	1.80	0.88	0.0	2.78	5.45
PLANTER 6R	2,36	FEB	1.25	0.252	0.191	2.44	1.13	6.16	4.61	14.35
CULTIVATOR 6R	2,44	MAR	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
DITCHER BLADE	4,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
CULTIVATOR 6R	2,44	APR	1.00	0.207	0.157	1.80	0.93	0.0	3.00	5.73
DITCHER BLADE	4,48	APR	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
DITCHER BLADE	4,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.13
TOTALS				2.725	2.065	23.04	12.26	53.56	43.36	132.23

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		18.00	4.500	0.0	0.0	20.25	45.00	0.0	65.25

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF GRAIN SORGHUM (DOLLARS)				
		3.84	4.32	4.80	5.28	5.76
QUANTITY OF GRAIN SORGHUM	CWT.					
	40.00	-59.42	-40.22	-21.02	-1.82	17.38
	45.00	-39.62	-18.02	3.58	25.18	46.78
	50.00	-19.82	4.18	28.18	52.18	76.18
	55.00	-0.02	26.38	52.78	79.18	105.58
	60.00	19.78	48.58	77.38	106.18	134.98

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE
VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT
STRATEGIES.

YELLOW ONIONS, IRRIGATED
TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ONIONS	400.00	BAGS	4.86	1944.00	
TOTAL PROJECTED RETURNS				\$ 1944.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*ONION SEED	2.50	LB.	30.00	75.00	
*NITROGEN (DRY)	120.00	LB.	0.27	32.40	
*PHOSPHATE	80.00	LB.	0.25	20.00	
HERBICIDE	1.00	ACRE	53.10	53.10	
*INSECTICIDE	4.00	APPL	4.75	19.00	
*FUNGICIDE	17.00	APPL	4.11	69.87	
PESTICIDE APPL.	17.00	APPL	4.50	76.50	
FOLFEED	8.00	APPL	5.24	41.92	
*IRRIG. WATER	6.00	APPL	15.00	90.00	
IRRIGATION WATER	36.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		13.74	
EQUIPMENT		ACRE		2.75	
REPAIRS-----TRACTOR		ACRE		3.80	
EQUIPMENT		ACRE		3.60	
LABOR-----MACHINERY	2.54	HR	4.50	11.45	
IRRIGATION	9.00	HR	4.50	40.50	
EQUIPMENT	1.19	HR	4.50	5.35	
OTHER	17.00	HR	4.50	76.50	
OPERATING CAPITAL	223.65	DOL.	0.130	29.07	
SUBTOTAL, PREHARVEST		ACRE		\$ 664.55	\$
HARVEST COSTS					
HARVEST	400.00	BAGS	1.30	520.00	
PACK&CONT	400.00	BAGS	1.25	500.00	
DRYING	400.00	BAGS	0.25	100.00	
MKT-VEGETABLES	400.00	CRTN	0.40	160.00	
SUBTOTAL, HARVEST		ACRE		\$ 1280.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1944.55	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.86/BAGS	ONIONS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -0.55	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.41	
EQUIPMENT		ACRE		15.20	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 137.61	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2082.16	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.21/BAGS	ONIONS	
6. NET PROJECTED RETURNS		ACRE		\$ -138.16	\$
ONIONS PACKED IN 50 POUND BAGS					

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

YELLOW ONIONS, IRRIGATED
TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	5,46	JULY	1.00	0.283	0.214	0.80	1.27	0.0	3.04	5.11
OFFSET DISC	1,38	JULY	1.00	0.210	0.159	2.12	0.95	0.0	4.66	7.73
MOLDBOARD PLOW	1,31	JULY	0.50	0.226	0.171	2.48	1.02	0.0	4.68	8.17
CHISEL PLOW	1,33	JULY	0.50	0.084	0.064	0.85	0.38	0.0	1.63	2.86
OFFSET DISC	1,38	AUG	2.00	0.421	0.319	4.25	1.89	0.0	9.31	15.45
FLOAT PLANE	1,45	AUG	1.00	0.216	0.164	2.03	0.97	0.0	4.18	7.18
BEDDER 6R	2,35	SEPT	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
FERT.APPL,RNTD	4,59	SEPT	1.00	0.203	0.154	0.85	0.91	52.40	2.41	56.58
STANHAY PLANTR	1,58	OCT	1.00	0.310	0.235	3.87	1.40	75.00	5.54	85.80
CULTIVATOR 6R	4,44	OCT	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	DEC	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
CULTIVATOR 6R	4,44	JAN	1.00	0.207	0.157	1.07	0.93	0.0	3.26	5.26
DITCHER BLADE	5,48	JAN	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TOTALS				2.544	1.928	20.71	11.45	127.40	44.31	203.86

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	DEC	12.00	3.000	0.0	0.0	13.50	30.00	0.0	43.50
WATER APPLICATION	JAN	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	FEB	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		36.00	9.000	0.0	0.0	40.50	90.00	0.0	130.50

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF ONIONS
(DOLLARS)

BAGS	PRICE OF ONIONS (DOLLARS)				
	3.89	4.37	4.86	5.35	5.83
320.00	-444.39	-288.87	-133.35	22.17	177.69
360.00	-416.87	-241.91	-66.95	108.01	282.97
400.00	-389.35	-194.95	-0.55	193.85	388.25
440.00	-361.83	-147.99	65.85	279.69	493.53
480.00	-334.31	-101.03	132.25	365.53	598.81

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE
VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT
STRATEGIES.

FRESH SPRING TOMATOES, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
TOMATOES	165.00	CRTN	6.50	1072.50	
TOTAL PROJECTED RETURNS				\$ 1072.50	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*TOMATO SEED	2.00	LB.	28.00	56.00	
*NITROGEN (DRY)	60.00	LB.	0.27	16.20	
*PHOSPHATE	80.00	LB.	0.25	20.00	
*HERBICIDE	1.00	ACRE	35.75	35.75	
*INSECTICIDE	8.00	APPL	5.00	40.00	
*FUNGICIDE	5.00	APPL	4.06	20.30	
PESTICIDE APPL.	9.00	APPL	4.50	40.50	
*IRRIG. WATER	4.00	APPL	15.00	60.00	
IRRIGATION WATER	24.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		19.56	
EQUIPMENT		ACRE		2.75	
REPAIRS-----TRACTOR		ACRE		5.76	
EQUIPMENT		ACRE		4.44	
LABOR-----MACHINERY	3.07	HOURL	4.50	13.81	
IRRIGATION	6.00	HOURL	4.50	27.00	
EQUIPMENT	1.19	HOURL	4.50	5.35	
OTHER	10.00	HOURL	4.50	45.00	
OPERATING CAPITAL	110.42	DOL.	0.130	14.35	
SUBTOTAL, PREHARVEST		ACRE		\$ 426.78	\$
HARVEST COSTS					
HARVEST	165.00	CRTN	1.30	214.50	
PACK & CONT	165.00	CRTN	1.50	247.50	
MKT-VEGETABLES	165.00	CRTN	0.40	66.00	
FOLFEED	1.00	ACRE	1.10	1.10	
SUBTOTAL, HARVEST		ACRE		\$ 529.10	\$
TOTAL VARIABLE COSTS		ACRE		\$ 955.88	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.79/CRTN TOMATOES		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 116.62	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		43.06	
EQUIPMENT		ACRE		16.70	
LAND-CASH RENT	1.00	ACRE	90.00	90.00	
TOTAL FIXED COSTS		ACRE		\$ 149.75	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1105.64	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.70/CRTN TOMATOES		
6. NET PROJECTED RETURNS		ACRE		\$ -33.14	\$
SOLD IN 40 POUND CARTONS.					

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

FRESH SPRING TOMATOES, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
WTR TANK&TRALR	6,49	JULY	1.00	0.440	0.333	6.53	1.98	0.0	10.14	18.65
OFFSET DISC	1,38	JULY	1.00	0.210	0.159	2.12	0.95	0.0	4.66	7.73
MOLDBOARD PLOW	1,31	AUG	0.50	0.226	0.171	2.48	1.02	0.0	4.68	8.17
CHISEL PLOW	1,33	AUG	0.50	0.084	0.064	0.85	0.38	0.0	1.63	2.86
OFFSET DISC	1,38	SEPT	2.00	0.421	0.319	4.25	1.89	0.0	9.31	15.45
FLOAT PLANE	1,45	SEPT	1.00	0.216	0.164	2.03	0.97	0.0	4.18	7.18
BEDDER 6R	2,35	OCT	1.00	0.151	0.115	1.27	0.68	0.0	2.02	3.97
RLNG CULT 6R	4,34	NOV	1.00	0.194	0.147	1.11	0.88	0.0	3.02	5.01
FERT.APPL,RNTD	4,59	DEC	1.00	0.203	0.154	0.85	0.91	36.20	2.41	40.38
HERB SPRAYR 6R	2,47	DEC	1.00	0.209	0.159	1.73	0.94	35.75	2.61	41.03
DITCHER BLADE	5,48	DEC	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
STANHAY PLANTR	1,58	JAN	1.00	0.310	0.235	3.87	1.40	56.00	5.54	66.80
RLNG CULT 6R	4,34	JAN	1.00	0.194	0.147	1.11	0.88	0.0	3.02	5.01
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
RLNG CULT 6R	4,34	MAY	1.00	0.194	0.147	1.11	0.88	0.0	3.02	5.01
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TOTALS				3.069	2.325	29.34	13.81	127.95	56.45	227.55

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	DEC	12.00	3.000	0.0	0.0	13.50	30.00	0.0	43.50
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		24.00	6.000	0.0	0.0	27.00	60.00	0.0	87.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF TOMATOES
(DOLLARS)

		5.20	5.85	6.50	7.15	7.80
QUANTITY OF TOMATOES	CRTN					
	132.00	-163.88	-78.08	7.72	93.52	179.32
	148.50	-130.88	-34.36	62.17	158.69	255.22
	165.00	-97.88	9.37	116.62	223.87	331.12
	181.50	-64.88	53.09	171.07	289.04	407.02
	198.00	-31.88	96.82	225.52	354.22	482.92

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE
VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT
STRATEGIES.

CITRUS ESTABLISHMENT, 1ST YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS			\$	0.0	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
NITROGEN (DRY)	15.00	LB.	0.27	4.05	
HERBICIDE	1.00	ACRE	28.89	28.89	
GRAPEFRUIT TREE	116.00	TREE	4.00	464.00	
TREE WRAP	116.00	TREE	0.75	87.00	
*IRRIG. WATER	8.00	APPL	15.00	120.00	
IRRIGATION WATER	48.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		8.49	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		2.86	
EQUIPMENT		ACRE		2.09	
LABOR-----MACHINERY	1.47	HOUR	4.50	6.62	
IRRIGATION	12.00	HOUR	4.50	54.00	
EQUIPMENT	0.98	HOUR	4.50	4.41	
OTHER	20.00	HOUR	4.50	90.00	
OPERATING CAPITAL	288.53	DOL.	0.130	37.51	
SUBTOTAL, PREHARVEST		ACRE	\$	912.19	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	\$	0.0	\$
TOTAL VARIABLE COSTS		ACRE	\$	912.19	\$
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	-912.19	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.55	
EQUIPMENT		ACRE		13.88	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
TOTAL FIXED COSTS		ACRE	\$	134.44	\$
5. TOTAL PROJECTED COSTS		ACRE	\$	1046.63	\$
6. NET PROJECTED RETURNS		ACRE	\$	-1046.63	\$

CUSTOM LAND PREPARED

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

CITRUS ESTABLISHMENT, 1ST YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
OFFSET DISC	2,38	SEPT	4.00	0.841	0.637	7.48	3.78	0.0	15.27	26.53
OFFSET DISC	2,38	OCT	3.00	0.631	0.478	5.61	2.84	0.0	11.45	19.90
TOTALS				1.472	1.115	13.09	6.62	0.0	26.72	46.44

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		48.00	12.000	0.0	0.0	54.00	120.00	0.0	174.00

CITRUS ESTABLISHMENT, 2ND YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS			\$	0.0	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
NITROGEN (DRY)	30.00	LB.	0.27	8.10	
*HERBICIDE	3.00	APPL	56.71	170.13	
*INSECTICIDE	3.00	APPL	60.00	180.00	
*IRRIG. WATER	5.00	APPL	15.00	75.00	
TREE REPLACEMNT	1.00	TREE	5.00	5.00	
INSECT. APPL.	3.00	APPL	20.00	60.00	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		10.63	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		3.09	
EQUIPMENT		ACRE		5.54	
LABOR-----MACHINERY	3.52	HOURL	4.50	15.85	
IRRIGATION	7.50	HOURL	4.50	33.75	
EQUIPMENT	0.98	HOURL	4.50	4.41	
OTHER	10.00	HOURL	4.50	45.00	
OPERATING CAPITAL	257.25	DOL.	0.130	33.44	
SUBTOTAL, PREHARVEST		ACRE	\$	652.21	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	\$	0.0	\$
TOTAL VARIABLE COSTS		ACRE	\$	652.21	\$
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	-652.21	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.32	
EQUIPMENT		ACRE		25.75	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
PRORATED ESTABL	1046.63	DOL.	0.10	104.66	
TOTAL FIXED COSTS		ACRE	\$	263.73	\$
5. TOTAL PROJECTED COSTS		ACRE	\$	915.94	\$
6. NET PROJECTED RETURNS		ACRE	\$	-915.94	\$

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 COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL
 EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

CITRUS ESTABLISHMENT, 2ND YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	1.63	0.75	56.71	5.28	64.37
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	1.63	0.75	56.71	5.28	64.37
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	1.63	0.75	56.71	5.28	64.37
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TOTALS				3.523	2.669	18.91	15.85	170.13	51.35	256.24

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		30.00	7.500	0.0	0.0	33.75	75.00	0.0	108.75

GRAPEFRUIT ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAPEFRUIT	2.00	TON	70.00	140.00	
TOTAL PROJECTED RETURNS				\$ 140.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
NITROGEN (DRY)	58.00	LB.	0.27	15.66	
*HERBICIDE	3.00	APPL	56.71	170.13	
*INSECTICIDE	3.00	APPL	60.00	180.00	
TREE REPLACEMNT	1.00	TREE	5.00	5.00	
*IRRIG. WATER	5.00	APPL	15.00	75.00	
INSECT. APPL.	3.00	APPL	20.00	60.00	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		17.09	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		4.56	
EQUIPMENT		ACRE		6.79	
LABOR-----MACHINERY	7.02	HOUR	4.50	31.60	
IRRIGATION	7.50	HOUR	4.50	33.75	
EQUIPMENT	0.98	HOUR	4.50	4.41	
OTHER	6.00	HOUR	4.50	27.00	
OPERATING CAPITAL	262.41	DOL.	0.130	34.11	
SUBTOTAL, PREHARVEST		ACRE		\$ 667.37	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 667.37	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$333.68/TON	GRAPEFRUIT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -527.37	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		52.68	
EQUIPMENT		ACRE		30.39	
LAND-CASH RENT	1.00		105.00	105.00	
PRORATED ESTABL	1962.57	DOL.	0.10	196.26	
TOTAL FIXED COSTS		ACRE		\$ 384.33	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1051.70	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$525.85/TON	GRAPEFRUIT	
6. NET PROJECTED RETURNS		ACRE		\$ -911.70	\$
CROP SOLD ON TREES.					

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GRAPEFRUIT ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1984 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.30	3.94	0.0	7.25	13.48
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.30	3.94	0.0	7.25	13.48
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	1.63	0.75	56.71	5.28	64.37
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	1.63	0.75	56.71	5.28	64.37
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.30	3.94	0.0	7.25	13.48
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	1.63	0.75	56.71	5.28	64.37
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	1.87	0.95	0.0	3.82	6.63
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.15	2.19	0.0	4.03	7.37
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.06	0.10
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.30	3.94	0.0	7.25	13.48
TOTALS				7.022	5.319	28.09	31.60	170.13	80.35	310.17

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	15.00	0.0	21.75
TOTALS		30.00	7.500	0.0	0.0	33.75	75.00	0.0	108.75

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF GRAPEFRUIT
(DOLLARS)

	56.00	63.00	70.00	77.00	84.00
TON					
1.60	-577.77	-566.57	-555.37	-544.17	-532.97
1.80	-566.57	-553.97	-541.37	-528.77	-516.17
2.00	-555.37	-541.37	-527.37	-513.37	-499.37
2.20	-544.17	-528.77	-513.37	-497.97	-482.57
2.40	-532.97	-516.17	-499.37	-482.57	-465.77

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE
VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT
STRATEGIES.

GRAPEFRUIT ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAPEFRUIT	2.50	TON	70.00	175.00	
TOTAL PROJECTED RETURNS				\$ 175.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	88.00	LB.	0.27	23.76	
*INSECTICIDE	3.00	APPL	60.00	180.00	
*HERBICIDE	3.00	ACRE	28.89	86.67	
*IRRIG. WATER	5.00	APPL	15.00	75.00	
TREE REPLACEMENT	1.00	TREE	5.00	5.00	
INSECT. APPL.	3.00	APPL	20.00	60.00	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		17.39	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		4.63	
EQUIPMENT		ACRE		6.79	
LABOR-----MACHINERY	7.18	HR	4.50	32.33	
IRRIGATION	7.50	HR	4.50	33.75	
EQUIPMENT	0.98	HR	4.50	4.41	
OTHER	6.00	HR	4.50	27.00	
OPERATING CAPITAL	231.53	DOL.	0.130	30.10	
SUBTOTAL, PREHARVEST		ACRE		\$ 589.09	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 589.09	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$235.64/TON		GRAPEFRUIT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -414.09	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		53.81	
EQUIPMENT		ACRE		30.47	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
PRORATED ESTABL	2874.27	DOL.	0.10	287.43	
TOTAL FIXED COSTS		ACRE		\$ 476.71	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1065.80	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$426.32/TON		GRAPEFRUIT	
6. NET PROJECTED RETURNS		ACRE		\$ -890.80	\$
CROP SOLD ON TREES.					

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