

912 GRAPEFRUIT ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	2.81	0.75	23.33	3.19	30.09
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	2.81	0.75	23.33	3.19	30.09
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	2.81	0.75	23.33	3.19	30.09
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
TOTALS				7.022	5.319	37.44	31.60	69.99	48.15	187.17

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	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF GRAPEFRUIT	PRICE OF GRAPEFRUIT (DOLLARS)				
	0.80	0.90	1.00	1.10	1.20
1.60	-522.03	-521.87	-521.71	-521.55	-521.39
1.80	-521.87	-521.69	-521.51	-521.33	-521.15
2.00	-521.71	-521.51	-521.31	-521.11	-520.91
2.20	-521.55	-521.33	-521.11	-520.89	-520.67
2.40	-521.39	-521.15	-520.91	-520.67	-520.43

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

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GRAPEFRUIT ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAPEFRUIT	2.50	TON	1.00	2.50	
TOTAL PROJECTED RETURNS				\$ 2.50	\$
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN (DRY)	88.00	LB.	0.25	22.00	
*INSECTICIDE	3.00	APPL	49.50	148.50	
*HERBICIDE	3.00	ACRE	46.66	139.98	
*IRRIG. WATER	5.00	APPL	8.00	40.00	
TREE REPLACEMNT	1.00	TREE	5.00	5.00	
INSECT. APPL.	3.00	APPL	26.00	78.00	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		17.39	
EQUIPMENT		ACRE		2.26	
REPAIRS-----TRACTOR		ACRE		7.45	
EQUIPMENT		ACRE		13.36	
LABOR-----MACHINERY	7.18	HOUR	4.50	32.33	
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	249.21	DOL.	0.150	37.38	
SUBTOTAL, PREHARVEST		ACRE		\$ 608.81	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 608.81	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$243.52/TON		GRAPEFRUIT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -606.31	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.65	
EQUIPMENT		ACRE		21.44	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
PRORATED ESTABL	2930.33	DOL.	0.10	293.03	
TOTAL FIXED COSTS		ACRE		\$ 450.12	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1058.93	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$423.57/TON		GRAPEFRUIT	
6. NET PROJECTED RETURNS		ACRE		\$ -1056.43	\$

CROP SOLD ON TREES.

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.

913 GRAPEFRUIT ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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
FERT. APPL, RNTD	5,60	JAN	0.50	0.081	0.062	0.20	0.37	11.00	0.36	11.93
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
FERT. APPL, RNTD	5,60	FEB	0.50	0.081	0.062	0.20	0.37	11.00	0.36	11.93
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
DITCHER BLADE	5,48	APR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	JUNE	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
TOTALS				7.184	5.443	37.85	32.33	161.98	48.86	281.01

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	FEB	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF GRAPEFRUIT	PRICE OF GRAPEFRUIT (DOLLARS)				
	0.80	0.90	1.00	1.10	1.20
2.00	-607.21	-607.01	-606.81	-606.61	-606.41
2.25	-607.01	-606.79	-606.56	-606.34	-606.11
2.50	-606.81	-606.56	-606.31	-606.06	-605.81
2.75	-606.61	-606.34	-606.06	-605.79	-605.51
3.00	-606.41	-606.11	-605.81	-605.51	-605.21

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

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GRAPEFRUIT, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAPEFRUIT	16.00	TON	1.00	16.00	_____
TOTAL PROJECTED RETURNS			\$	16.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*NITROGEN (DRY)	116.00	LB.	0.25	29.00	_____
*INSECTICIDE	3.00	APPL	49.50	148.50	_____
*HERBICIDE	3.00	ACRE	46.66	139.98	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
TREE REPLACEMNT	1.00	TREE	5.00	5.00	_____
INSECT. APPL.	3.00	APPL	26.00	78.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		17.39	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		7.45	_____
EQUIPMENT		ACRE		13.36	_____
LABOR-----MACHINERY	7.18	HOUR	4.50	32.33	_____
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	255.46	DOL.	0.150	38.32	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 616.75	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 616.75	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 38.55/TON	GRAPEFRUIT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -600.75	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.65	_____
EQUIPMENT		ACRE		21.44	_____
LAND-CASH RENT	1.00	ACRE	105.00	105.00	_____
PRORATED ESTABL	3986.76	DOL.	0.10	398.68	_____
TOTAL FIXED COSTS		ACRE		\$ 555.76	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1172.51	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 73.28/TON	GRAPEFRUIT	
6. NET PROJECTED RETURNS		ACRE		\$ -1156.51	\$ _____

CROP SOLD ON TREES.

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.

914 GRAPEFRUIT, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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
FERT. APPL, RNTD	5,60	JAN	0.50	0.081	0.062	0.20	0.37	14.50	0.36	15.43
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
FERT. APPL, RNTD	5,60	FEB	0.50	0.081	0.062	0.20	0.37	14.50	0.36	15.43
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
DITCHER BLADE	5,48	APR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	JUNE	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
TOTALS				7.184	5.443	37.85	32.33	168.98	48.86	288.02

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	FEB	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF GRAPEFRUIT	PRICE OF GRAPEFRUIT (DOLLARS)				
	0.80	0.90	1.00	1.10	1.20
12.80	-606.51	-605.23	-603.95	-602.67	-601.39
14.40	-605.23	-603.79	-602.35	-600.91	-599.47
16.00	-603.95	-602.35	-600.75	-599.15	-597.55
17.60	-602.67	-600.91	-599.15	-597.39	-595.63
19.20	-601.39	-599.47	-597.55	-595.63	-593.71

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

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GRAPEFRUIT, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAPEFRUIT	14.00	TON	1.00	14.00	_____
TOTAL PROJECTED RETURNS				\$ 14.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
NITROGEN (DRY)	116.00	LB.	0.25	29.00	_____
HERBICIDE	3.00	ACRE	46.66	139.98	_____
*INSECTICIDE	3.00	APPL	49.50	148.50	_____
INSECT. APPL.	3.00	APPL	26.00	78.00	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		0.0	_____
REPAIRS-----TRACTOR		ACRE		0.0	_____
LABOR-----MACHINERY	0.0	HOUR	4.50	0.0	_____
IRRIGATION	7.50	HOUR	4.50	33.75	_____
OPERATING CAPITAL	233.20	DOL.	0.150	34.98	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 504.21	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 504.21	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 36.01/TON	GRAPEFRUIT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -490.21	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.0	_____
LAND-CASH RENT	1.00	ACRE	105.00	105.00	_____
RETURN ON INVEST	3500.00	DOL.	0.06	210.00	_____
TOTAL FIXED COSTS		ACRE		\$ 315.00	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 819.21	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 58.51/TON	GRAPEFRUIT	
6. NET PROJECTED RETURNS		ACRE		\$ -805.21	\$ _____

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915 GRAPEFRUIT, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	FEB	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF GRAPEFRUIT	PRICE OF GRAPEFRUIT (DOLLARS)				
	0.80	0.90	1.00	1.10	1.20
11.20 TON	-495.25	-494.13	-493.01	-491.89	-490.77
12.60	-494.13	-492.87	-491.61	-490.35	-489.09
14.00	-493.01	-491.61	-490.21	-488.81	-487.41
15.40	-491.89	-490.35	-488.81	-487.27	-485.73
16.80	-490.77	-489.09	-487.41	-485.73	-484.05

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

916

ORANGES ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
ORANGES	0.70	TON	1.00	0.70	
TOTAL PROJECTED RETURNS				\$ 0.70	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN (DRY)	58.00	LB.	0.25	14.50	_____
*HERBICIDE	3.00	APPL	23.33	69.99	_____
*INSECTICIDE	3.00	APPL	49.50	148.50	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
TREE REPLACEMNT	1.00	TREE	5.00	5.00	_____
INSECT. APPL.	3.00	APPL	26.00	78.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		17.39	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		7.45	_____
EQUIPMENT		ACRE		13.36	_____
LABOR-----MACHINERY	7.18	HOUR	4.50	32.33	_____
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	203.88	DOL.	0.150	30.58	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 524.52	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 524.52	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$749.32/TON	ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -523.82	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.65	_____
EQUIPMENT		ACRE		21.44	_____
LAND-CASH RENT	1.00	ACRE	105.00	105.00	_____
PRORATED ESTABL	2047.86	DOL.	0.10	204.79	_____
TOTAL FIXED COSTS		ACRE		\$ 361.87	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 886.40	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$*****/TON	ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ -885.70	\$ _____

CROP SOLD ON TREES.

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.

916 ORANGES ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
FERT. APPL., RNTD	5,60	FEB	1.00	0.163	0.123	0.41	0.73	14.50	0.72	16.36
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	2.81	0.75	23.33	3.19	30.09
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	2.81	0.75	23.33	3.19	30.09
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	2.81	0.75	23.33	3.19	30.09
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
TOTALS				7.184	5.443	37.85	32.33	84.49	48.86	203.53

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	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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 ORANGES (DOLLARS)				
		0.80	0.90	1.00	1.10	1.20
QUANTITY OF ORANGES	TON					
	0.56	-524.07	-524.02	-523.96	-523.91	-523.85
	0.63	-524.02	-523.96	-523.89	-523.83	-523.77
	0.70	-523.96	-523.89	-523.82	-523.75	-523.68
	0.77	-523.91	-523.83	-523.75	-523.68	-523.60
	0.84	-523.85	-523.77	-523.68	-523.60	-523.51

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

917

ORANGES ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
ORANGES	1.20	TON	1.00	1.20	
TOTAL PROJECTED RETURNS				\$ 1.20	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN (DRY)	88.00	LB.	0.25	22.00	_____
*INSECTICIDE	3.00	APPL	49.50	148.50	_____
*HERBICIDE	3.00	ACRE	46.66	139.98	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
TREE REPLACEMNT	1.00	TREE	5.00	5.00	_____
INSECT. APPL.	3.00	APPL	26.00	78.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		17.39	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		7.45	_____
EQUIPMENT		ACRE		13.36	_____
LABOR-----MACHINERY	7.18	HOUR	4.50	32.33	_____
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	246.64	DOL.	0.150	37.00	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 608.43	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 608.43	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS		\$507.02/TON		ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -607.23	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.65	_____
EQUIPMENT		ACRE		21.44	_____
LAND-CASH RENT	1.00	ACRE	105.00	105.00	_____
PRORATED ESTABL	2933.55	DOL.	0.10	293.36	_____
TOTAL FIXED COSTS		ACRE		\$ 450.44	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1058.87	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS		\$882.39/TON		ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ -1057.67	\$ _____

CROP SOLD ON TREES.

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917 ORANGES ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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
FERT. APPL, RNTD	5,60	JAN	0.50	0.081	0.062	0.20	0.37	11.00	0.36	11.93
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
FERT. APPL, RNTD	5,60	FEB	0.50	0.081	0.062	0.20	0.37	11.00	0.36	11.93
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
TOTALS				7.184	5.443	37.85	32.33	161.98	48.86	281.01

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	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF ORANGES	PRICE OF ORANGES (DOLLARS)				
	0.80	0.90	1.00	1.10	1.20
0.96	-607.66	-607.56	-607.47	-607.37	-607.27
1.08	-607.56	-607.45	-607.35	-607.24	-607.13
1.20	-607.47	-607.35	-607.23	-607.11	-606.99
1.32	-607.37	-607.24	-607.11	-606.97	-606.84
1.44	-607.27	-607.13	-606.99	-606.84	-606.70

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

918

ORANGES, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
ORANGES	11.00	TON	1.00	11.00	_____
TOTAL PROJECTED RETURNS				\$ 11.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN (DRY)	116.00	LB.	0.25	29.00	_____
*HERBICIDE	3.00	ACRE	46.66	139.98	_____
*INSECTICIDE	3.00	APPL	49.50	148.50	_____
INSECT. APPL.	3.00	APPL	26.00	78.00	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
TREE REPLACEMNT	1.00	TREE	5.00	5.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		17.39	_____
EQUIPMENT		ACRE		2.26	_____
REPAIRS-----TRACTOR		ACRE		7.45	_____
EQUIPMENT		ACRE		13.36	_____
LABOR-----MACHINERY	7.18	HOUR	4.50	32.33	_____
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	255.88	DOL.	0.150	38.38	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 616.81	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 616.81	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 56.07/TON	ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -605.81	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.65	_____
EQUIPMENT		ACRE		21.44	_____
LAND-CASH RENT	1.00	ACRE	105.00	105.00	_____
PRORATED ESTABL	3991.22	DOL.	0.10	399.12	_____
TOTAL FIXED COSTS		ACRE		\$ 556.21	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1173.02	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$106.64/TON	ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ -1162.02	\$ _____

CROP SOLD ON TREES.

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918 ORANGES, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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
FERT. APPL, RNTD	5,60	JAN	0.50	0.081	0.062	0.20	0.37	14.50	0.36	15.43
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
FERT. APPL, RNTD	5,60	FEB	0.50	0.081	0.062	0.20	0.37	14.50	0.36	15.43
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
DITCHER BLADE	5,48	APR	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
DITCHER BLADE	5,48	JUNE	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.02	0.02	0.0	0.04	0.08
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	2.81	0.75	46.66	3.19	53.42
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.36	2.19	0.0	2.50	6.05
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.90	3.94	0.0	4.26	11.10
TOTALS				7.184	5.443	37.85	32.33	168.98	48.86	288.02

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	FEB	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF ORANGES	PRICE OF ORANGES (DOLLARS)				
	0.80	0.90	1.00	1.10	1.20
8.80	-609.77	-608.89	-608.01	-607.13	-606.25
9.90	-608.89	-607.90	-606.91	-605.92	-604.93
11.00	-608.01	-606.91	-605.81	-604.71	-603.61
12.10	-607.13	-605.92	-604.71	-603.50	-602.29
13.20	-606.25	-604.93	-603.61	-602.29	-600.97

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

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ORANGES, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
ORANGES	11.00	TON	1.00	11.00	_____
TOTAL PROJECTED RETURNS				\$ 11.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
NITROGEN (DRY)	116.00	LB.	0.25	29.00	_____
*INSECTICIDE	3.00	APPL	49.50	148.50	_____
HERBICIDE	3.00	ACRE	46.66	139.98	_____
*INSECTICIDE	4.00	APPL	27.25	109.00	_____
*IRRIG. WATER	5.00	APPL	8.00	40.00	_____
TREE REPLACEMNT	1.00	TREE	5.00	5.00	_____
INSECT. APPL.	3.00	APPL	26.00	78.00	_____
IRRIGATION WATER	30.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		0.0	_____
REPAIRS-----TRACTOR		ACRE		0.0	_____
LABOR-----MACHINERY	0.0	HOUR	4.50	0.0	_____
IRRIGATION	7.50	HOUR	4.50	33.75	_____
OPERATING CAPITAL	285.45	DOL.	0.150	42.82	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 626.05	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 626.05	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 56.91/TON	ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -615.05	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.0	_____
LAND-CASH RENT	1.00	ACRE	105.00	105.00	_____
RETURN ON INVEST	3500.00	DOL.	0.06	210.00	_____
TOTAL FIXED COSTS		ACRE		\$ 315.00	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 941.05	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 85.55/TON	ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ -930.05	\$ _____

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919 ORANGES, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
 1985 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
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS		30.00	7.500	0.0	0.0	33.75	40.00	0.0	73.75

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 ORANGES (DOLLARS)				
		0.80	0.90	1.00	1.10	1.20
QUANTITY OF ORANGES	TON					
	8.80	-619.01	-618.13	-617.25	-616.37	-615.49
	9.90	-618.13	-617.14	-616.15	-615.16	-614.17
	11.00	-617.25	-616.15	-615.05	-613.95	-612.85
	12.10	-616.37	-615.16	-613.95	-612.74	-611.53
	13.20	-615.49	-614.17	-612.85	-611.53	-610.21

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

**CORN, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CORN	80.00	BU.	5.50	440.00	_____
DEFICIENCY PMT.	80.00	BU.	0.47	37.60	_____
TOTAL PROJECTED RETURNS				\$ 477.60	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SEED CORN/GRAIN	10.00	LB.	1.30	13.00	_____
*NITROGEN (DRY)	150.00	LB.	0.25	37.50	_____
*PHOSPHATE	50.00	LB.	0.25	12.50	_____
HERBICIDE	1.00	LB.	7.00	7.00	_____
*IRRIG. WATER	3.00	APPL	8.00	24.00	_____
SOIL INSEC.	1.00	ACRE	11.00	11.00	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		12.70	_____
EQUIPMENT		ACRE		0.27	_____
REPAIRS-----TRACTOR		ACRE		6.82	_____
EQUIPMENT		ACRE		4.34	_____
LABOR-----MACHINERY	2.32	HOUR	4.50	10.44	_____
IRRIGATION	4.50	HOUR	4.50	20.25	_____
EQUIPMENT	0.12	HOUR	4.50	0.54	_____
OPERATING CAPITAL	21.99	DOL.	0.150	3.30	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 163.66	\$ _____
HARVEST COSTS					
CUS. HARV. CORN	1.00	ACRE	20.00	20.00	_____
CUSTOM HAUL	44.80	CWT.	0.20	8.96	_____
SUBTOTAL, HARVEST		ACRE		\$ 28.96	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 192.62	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.94/BU.	CORN	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 284.98	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		14.63	_____
EQUIPMENT		ACRE		8.64	_____
LAND-CASH RENT	1.00	ACRE	55.00	55.00	_____
TOTAL FIXED COSTS		ACRE		\$ 78.27	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 270.89	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 2.92/BU.	CORN	
6. NET PROJECTED RETURNS		ACRE		\$ 206.71	\$ _____

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

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 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.

920 CORN, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
 1985 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	JULY	1.00	0.283	0.214	1.77	1.27	0.0	2.89	5.93
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
MOLDBOARD PLOW	2,30	AUG	0.50	0.285	0.216	2.96	1.28	0.0	3.94	8.18
CHISEL PLOW	2,32	AUG	0.50	0.101	0.076	1.06	0.45	0.0	0.83	2.35
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.37	0.95	0.0	2.27	5.59
BEDDER 6R	2,35	DEC	1.00	0.151	0.115	1.61	0.68	0.0	1.27	3.56
FERT.APPL.RNTD	2,59	JAN	1.00	0.203	0.154	1.82	0.91	50.00	1.37	54.10
RLNG CULT 6R	2,34	FEB	1.00	0.194	0.147	2.16	0.88	0.0	1.53	4.57
PLANTER 6R	2,36	FEB	1.25	0.252	0.191	3.24	1.13	13.00	2.91	20.28
CULTIVATOR 6R	2,44	MAR	1.00	0.207	0.157	2.19	0.93	0.0	1.71	4.84
DITCHER BLADE	4,48	MAR	0.01	0.005	0.004	0.03	0.02	0.0	0.06	0.10
CULTIVATOR 6R	2,44	APR	1.00	0.207	0.157	2.19	0.93	0.0	1.71	4.84
DITCHER BLADE	4,48	APR	0.01	0.005	0.004	0.03	0.02	0.0	0.06	0.10
DITCHER BLADE	4,48	MAY	0.01	0.005	0.004	0.03	0.02	0.0	0.06	0.10
TOTALS				2.321	1.758	23.82	10.44	63.00	22.88	120.14

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	8.00	0.0	14.75
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	6.75	8.00	0.0	14.75
TOTALS			18.00	4.500	0.0	0.0	20.25	24.00	44.25

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF CORN	BU.	PRICE OF CORN (DOLLARS)				
		4.40	4.95	5.50	6.05	6.60
64.00		120.85	156.05	191.25	226.45	261.65
72.00		158.91	198.51	238.11	277.71	317.31
80.00		196.98	240.98	284.98	328.98	372.98
88.00		235.04	283.44	331.84	380.24	428.64
96.00		273.11	325.91	378.71	431.51	484.31

BROCCOLI, IRRIGATED, RIO GRANDE VALLEY REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
BROCCOLI	350.00	CRTN	8.29	2901.50	_____
TOTAL PROJECTED RETURNS				\$ 2901.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*SEED	1.00	LB.	120.00	120.00	_____
*NITROGEN (DRY)	30.00	LB.	0.25	7.50	_____
*PHOSPHATE	60.00	LB.	0.25	15.00	_____
*POTASH	30.00	LB.	0.13	3.90	_____
*NITROGEN-LIQUID	180.00	LB.	0.20	36.00	_____
*HERBICIDE	1.00	APPL	43.34	43.34	_____
*INSECTICIDE	3.00	APPL	6.16	18.48	_____
*FUNGICIDE	2.00	APPL	5.45	10.90	_____
PESTICIDE APPL.	3.00	ACRE	3.50	10.50	_____
*IRRIGATION WATER	4.00	APPL	8.00	32.00	_____
IRRIGATION WATER	24.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		12.15	_____
EQUIPMENT		ACRE		1.45	_____
REPAIRS-----TRACTOR		ACRE		5.04	_____
EQUIPMENT		ACRE		6.79	_____
LABOR-----MACHINERY	2.66	HR	4.50	11.97	_____
IRRIGATION	24.00	HR	4.50	108.00	_____
EQUIPMENT	0.63	HR	4.50	2.83	_____
OTHER	12.00	HR	4.50	54.00	_____
OPERATING CAPITAL	0.04	DOL.	0.150	0.01	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 499.86	\$ _____
HARVEST COSTS					
HARVEST & HAUL	350.00	CRTN	1.40	490.00	_____
PACK & COUNT	350.00	CRTN	2.25	787.50	_____
MARKETING	350.00	CRTN	0.40	140.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1417.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1917.36	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.48/CRTN	BROCCOLI	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 984.14	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.94	_____
EQUIPMENT		ACRE		10.00	_____
LAND-CASH RENT	1.00	ACRE	90.00	90.00	_____
TOTAL FIXED COSTS		ACRE		\$ 115.94	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2033.30	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.81/CRTN	BROCCOLI	
6. NET PROJECTED RETURNS		ACRE		\$ 868.20	\$ _____

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BROCCOLI, IRRIGATED, RIO GRANDE VALLEY REGION
 1985 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	AUG	1.00	0.283	0.214	1.24	1.27	0.0	2.11	4.62
MOLDBOARD PLOW	4,31	AUG	1.00	0.451	0.342	3.55	2.03	0.0	4.72	10.30
OFFSET DISC	4,38	AUG	2.00	0.421	0.319	3.06	1.89	0.0	4.71	9.67
FLOAT PLANE	2,45	AUG	1.00	0.216	0.164	2.30	0.97	0.0	2.06	5.33
BEDDER 6R	2,35	AUG	1.00	0.151	0.115	1.70	0.68	0.0	1.27	3.66
FERT. APPL. RNTD	4,59	SEPT	1.00	0.203	0.154	1.01	0.91	26.40	1.45	29.78
HERB SPRAYR 6R	5,47	SEPT	1.00	0.209	0.159	0.79	0.94	43.34	1.06	46.14
STANHAY PLANTR	2,58	SEPT	1.00	0.310	0.235	5.46	1.40	120.00	3.05	129.91
CULTIVATOR 6R	2,44	OCT	1.00	0.207	0.157	2.32	0.93	0.0	1.71	4.97
CULTIVATOR 6R	2,44	NOV	1.00	0.207	0.157	2.32	0.93	0.0	1.71	4.97
TOTALS				2.660	2.015	23.76	11.97	189.74	23.87	249.34

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	SEPT	6.00	6.000	0.0	0.0	27.00	44.00	0.0	71.00	
WATER APPLICATION	OCT	6.00	6.000	0.0	0.0	27.00	8.00	0.0	35.00	
WATER APPLICATION	NOV	6.00	6.000	0.0	0.0	27.00	8.00	0.0	35.00	
WATER APPLICATION	DEC	6.00	6.000	0.0	0.0	27.00	8.00	0.0	35.00	
TOTALS			24.00	24.000	0.0	0.0	108.00	68.00	0.0	176.00

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF BROCCOLI	PRICE OF BROCCOLI (DOLLARS)				
	6.63	7.46	8.29	9.12	9.95
280.00	223.10	455.22	687.34	919.46	1151.58
315.00	313.47	574.60	835.74	1096.87	1358.01
350.00	403.84	693.99	984.14	1274.29	1564.44
385.00	494.21	813.37	1132.54	1451.70	1770.87
420.00	584.58	932.76	1280.94	1629.12	1977.30

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RATOON CANE, IRRIGATED, RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SUGAR CANE	38.00	TON	20.00	760.00	_____
TOTAL PROJECTED RETURNS				\$ 760.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
NITROGEN (DRY)	150.00	LB.	0.25	37.50	_____
HERBI-S. CANE	1.00	APPL	35.00	35.00	_____
INSECT-S. CANE	3.00	APPL	25.00	75.00	_____
PESTICIDE APPL.	3.00	ACRE	3.50	10.50	_____
INSP. INSECT	1.00	ACRE	1.50	1.50	_____
IRRIGATION WATER	8.00	APPL	8.00	64.00	_____
IRRIGATION WATER	48.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		43.66	_____
REPAIRS-----TRACTOR		ACRE		18.22	_____
EQUIPMENT		ACRE		3.82	_____
LABOR-----MACHINERY	5.67	HOUR	4.50	25.54	_____
IRRIGATION	48.00	HOUR	4.50	216.00	_____
OPERATING CAPITAL	152.65	DOL.	0.150	22.90	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 553.63	\$ _____
HARVEST COSTS					
BURN & HARVEST	38.00	TON	5.88	223.44	_____
SUBTOTAL, HARVEST		ACRE		\$ 223.44	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 777.07	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 20.45/TON	SUGAR CANE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -17.07	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		47.55	_____
EQUIPMENT		ACRE		20.79	_____
TOTAL FIXED COSTS		ACRE		\$ 68.33	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 845.41	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 22.25/TON	SUGAR CANE	
6. NET PROJECTED RETURNS		ACRE		\$ -85.41	\$ _____

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.

821 RATOON CANE, IRRIGATED, RIO GRANDE VALLEY
 1985 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
CULTIVATOR 6R	1,44	FEB	1.00	0.207	0.157	2.59	0.93	0.0	2.16	5.68
HERB SPRAYR 6R	1,47	FEB	1.00	0.209	0.159	2.51	0.94	0.0	1.99	5.44
CULTIVATOR 6R	1,44	MAR	1.00	0.207	0.157	2.59	0.93	0.0	2.16	5.68
DITCHER BLADE	1,48	MAR	1.00	0.504	0.382	5.75	2.27	0.0	6.51	14.52
FERT. APPL, RNTD	1,59	MAR	1.00	0.203	0.154	2.22	0.91	0.0	1.80	4.93
DITCHER BLADE	1,48	APR	1.00	0.504	0.382	5.75	2.27	0.0	6.51	14.52
DITCHER BLADE	1,48	MAY	1.00	0.504	0.382	5.75	2.27	0.0	6.51	14.52
DITCHER BLADE	1,48	JUNE	2.00	1.008	0.764	11.49	4.54	0.0	13.02	29.05
DITCHER BLADE	1,48	JULY	2.00	1.008	0.764	11.49	4.54	0.0	13.02	29.05
DITCHER BLADE	1,48	AUG	1.00	0.504	0.382	5.75	2.27	0.0	6.51	14.52
FERT. APPL, RNTD	1,59	AUG	1.00	0.203	0.154	2.22	0.91	0.0	1.80	4.93
CHISEL PLOW	1,32	JAN	2.00	0.403	0.306	5.03	1.81	0.0	4.19	11.04
CULTIVATOR 6R	1,44	JAN	1.00	0.207	0.157	2.59	0.93	0.0	2.16	5.68
TOTALS				5.675	4.299	65.70	25.54	0.0	68.33	159.57

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	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	APR	6.00	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	MAY	6.00	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	JUNE	12.00	12.000	0.0	0.0	54.00	0.0	0.0	54.00
WATER APPLICATION	JULY	12.00	12.000	0.0	0.0	54.00	0.0	0.0	54.00
WATER APPLICATION	AUG	6.00	6.000	0.0	0.0	27.00	0.0	0.0	27.00
TOTALS		48.00	48.000	0.0	0.0	216.00	0.0	0.0	216.00

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF SUGAR CANE	PRICE OF SUGAR CANE (DOLLARS)				
	16.00	18.00	20.00	22.00	24.00
30.40	-245.99	-185.19	-124.39	-63.59	-2.79
34.20	-207.53	-139.13	-70.73	-2.33	66.07
38.00	-169.07	-93.07	-17.07	58.93	134.93
41.80	-130.62	-47.02	36.58	120.18	203.78
45.60	-92.16	-0.96	90.24	181.44	272.64

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

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PLANT CANE, IRRIGATED, RIO GRANDE VALLEY
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SUGAR CANE	0.0	TON	0.0	0.0	_____
TOTAL PROJECTED RETURNS				\$ 0.0	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
PLANT CANE	3.00	TON	40.00	120.00	_____
NITROGEN (DRY)	120.00	LB.	0.25	30.00	_____
PHOSPHATE	200.00	LB.	0.25	50.00	_____
HERBI-S. CANE	2.00	APPL	35.00	70.00	_____
INSECT-S. CANE	2.00	APPL	25.00	50.00	_____
PESTICIDE APPL.	2.00	ACRE	3.50	7.00	_____
INSP. INSECT	1.00	ACRE	1.50	1.50	_____
IRRIGATION WATER	9.00	APPL	8.00	72.00	_____
IRRIGATION WATER	60.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		37.71	_____
REPAIRS-----TRACTOR		ACRE		15.74	_____
EQUIPMENT		ACRE		5.23	_____
LABOR-----MACHINERY	4.90	HOUR	4.50	22.06	_____
IRRIGATION	60.00	HOUR	4.50	270.00	_____
EQUIPMENT	0.03	HOUR	4.50	0.13	_____
OTHER	16.00	HOUR	4.50	72.00	_____
OPERATING CAPITAL	265.36	DOL.	0.150	39.80	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 863.18	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 863.18	\$ _____
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -863.18	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		41.07	_____
EQUIPMENT		ACRE		22.60	_____
TOTAL FIXED COSTS		ACRE		\$ 63.67	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 926.85	\$ _____
6. NET PROJECTED RETURNS		ACRE		\$ -926.85	\$ _____

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PROJECTIONS FOR PLANNING PURPOSES ONLY
 NOT TO BE USED WITHOUT UPDATING AFTER 11-17-84.

B-1241(C19)

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PLANT CANE, IRRIGATED, RIO GRANDE VALLEY
 1985 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
CULTIVATOR 6R	1,44	FEB	1.00	0.207	0.157	2.59	0.93	0.0	2.16	5.68
HERB SPRAYR 6R	1,47	MAR	1.00	0.209	0.159	2.51	0.94	0.0	1.99	5.44
DITCHER BLADE	1,48	MAR	0.50	0.252	0.191	2.87	1.13	0.0	3.26	7.26
CULTIVATOR 6R	1,44	MAR	1.00	0.207	0.157	2.59	0.93	0.0	2.16	5.68
DITCHER BLADE	1,48	APR	0.50	0.252	0.191	2.87	1.13	0.0	3.26	7.26
DITCHER BLADE	1,48	MAY	0.50	0.252	0.191	2.87	1.13	0.0	3.26	7.26
DITCHER BLADE	1,48	JUNE	1.00	0.504	0.382	5.75	2.27	0.0	6.51	14.52
DITCHER BLADE	1,48	JULY	1.00	0.504	0.382	5.75	2.27	0.0	6.51	14.52
OFFSET DISC	1,38	AUG	1.00	0.210	0.159	2.78	0.95	0.0	2.72	6.44
FLOAT PLANE	1,45	AUG	1.00	0.216	0.164	2.58	0.97	0.0	2.52	6.07
CHISEL PLOW	1,32	AUG	2.00	0.403	0.306	5.03	1.81	0.0	4.19	11.04
OFFSET DISC	1,38	AUG	2.00	0.421	0.319	5.55	1.89	0.0	5.43	12.88
BEDDER 6R	1,35	AUG	1.00	0.151	0.115	1.90	0.68	0.0	1.60	4.18
FERT.APPL,RNTD	1,59	AUG	1.00	0.203	0.154	2.22	0.91	0.0	1.80	4.93
DITCHER BLADE	1,48	AUG	0.50	0.252	0.191	2.87	1.13	0.0	3.26	7.26
RLNG CULT 6R	1,34	SEPT	1.00	0.194	0.147	2.54	0.88	0.0	1.95	5.36
HERB SPRAYR 6R	1,47	SEPT	1.00	0.209	0.159	2.51	0.94	0.0	1.99	5.44
DITCHER BLADE	1,48	SEPT	0.50	0.252	0.191	2.87	1.13	0.0	3.26	7.26
TOTALS				4.902	3.713	58.64	22.06	0.0	57.79	138.49

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	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	APR	6.00	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	MAY	6.00	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	JUNE	12.00	12.000	0.0	0.0	54.00	0.0	0.0	54.00
WATER APPLICATION	JULY	12.00	12.000	0.0	0.0	54.00	0.0	0.0	54.00
WATER APPLICATION	AUG	6.00	6.000	0.0	0.0	27.00	0.0	0.0	27.00
WATER APPLICATION	SEPT	12.00	12.000	0.0	0.0	54.00	0.0	0.0	54.00
TOTALS		60.00	60.000	0.0	0.0	270.00	0.0	0.0	270.00