

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/15/82.

B-1241 (C19)

GRAPEFRUIT, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 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	5.17	6.00	0.0	11.17
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		30.00	7.500	0.0	0.0	25.87	30.00	0.0	55.87

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)

QUANTITY OF GRAPEFRUIT	TON	PRICE OF GRAPEFRUIT (DOLLARS)				
		88.00	99.00	110.00	121.00	132.00
11.20		575.28	698.48	821.68	944.88	1068.08
12.60		698.48	837.08	975.68	1114.28	1252.88
14.00		821.68	975.68	1129.68	1283.68	1437.68
15.40		944.88	1114.28	1283.68	1453.08	1622.48
16.80		1068.08	1252.88	1437.68	1622.48	1807.28

ORANGES ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ORANGES	0.70	TON	130.00	91.00	
TOTAL PROJECTED RETURNS				\$ 91.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	58.00	LB.	0.35	20.30	
*HERBICIDE	3.00	APPL	47.73	143.19	
*INSECTICIDE	3.00	APPL	55.50	166.50	
*IRRIG. WATER	5.00	APPL	6.00	30.00	
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		21.25	
EQUIPMENT		ACRE		2.47	
REPAIRS-----TRACTOR		ACRE		3.52	
EQUIPMENT		ACRE		6.72	
LABOR-----MACHINERY	7.18	HR	3.45	24.79	
IRRIGATION	7.50	HR	3.45	25.87	
EQUIPMENT	0.98	HR	3.45	3.38	
OTHER	6.00	HR	3.45	20.70	
OPERATING CAPITAL	229.94	DOL.	0.190	43.69	
SUBTOTAL, PREHARVEST		ACRE		\$ 577.38	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 577.38	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$824.83/TON	ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -486.38	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		53.28	
EQUIPMENT		ACRE		37.61	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
PRORATED ESTABL	1653.25	DOL.	0.10	165.33	
TOTAL FIXED COSTS		ACRE		\$ 361.22	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 938.60	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$*****/TON	ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ -847.60	\$
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.

ORANGES ESTABLISHMENT, 3RD YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 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	1.31	1.68	0.0	4.20	7.18
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.57	3.02	0.0	7.35	13.14
OFFSET DISC	5,54	FEB	1.00	0.163	0.123	0.42	0.56	20.30	1.21	22.50
OFFSET DISC	5,38	MAR	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,48	MAR	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.57	3.02	0.0	7.35	13.14
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	1.68	0.58	47.73	6.35	56.34
OFFSET DISC	5,38	MAY	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
DITCHER BLADE	5,48	MAY	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
OFFSET DISC	5,38	JULY	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
DITCHER BLADE	5,48	JULY	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
ORCH SPRAYR	5,51	SEPT	1.00	0.168	0.127	1.68	0.58	47.73	6.35	56.34
OFFSET DISC	5,38	SEPT	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,48	SEPT	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.57	3.02	0.0	7.35	13.14
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	1.68	0.58	47.73	6.35	56.34
OFFSET DISC	5,38	NOV	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,48	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.57	3.02	0.0	7.35	13.14
TOTALS				7.184	5.443	31.21	24.79	163.49	88.23	307.72

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	5.17	6.00	0.0	11.17
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		30.00	7.500	0.0	0.0	25.87	30.00	0.0	55.87

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)				
TON		104.00	117.00	130.00	143.00	156.00
0.56		-519.14	-511.86	-504.58	-497.30	-490.02
0.63		-511.86	-503.67	-495.48	-487.29	-479.10
0.70		-504.58	-495.48	-486.38	-477.28	-468.18
0.77		-497.30	-487.29	-477.28	-467.27	-457.26
0.84		-490.02	-479.10	-468.18	-457.26	-446.34

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

ORANGES ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ORANGES	1.20	TON	130.00	156.00	
TOTAL PROJECTED RETURNS				\$ 156.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	88.00	LB.	0.35	30.80	
*INSECTICIDE	3.00	APPL	55.50	166.50	
*HERBICIDE	3.00	ACRE	24.20	72.60	
*IRRIG. WATER	5.00	APPL	6.00	30.00	
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		21.25	
EQUIPMENT		ACRE		2.47	
REPAIRS--TRACTOR		ACRE		3.52	
EQUIPMENT		ACRE		6.72	
LABOR--MACHINERY	7.18	HOOR	3.45	24.79	
IRRIGATION	7.50	HOOR	3.45	25.87	
EQUIPMENT	0.98	HOOR	3.45	3.38	
OTHER	6.00	HOOR	3.45	20.70	
OPERATING CAPITAL	200.15	DOL.	0.190	38.03	
SUBTOTAL, PREHARVEST		ACRE		\$ 511.64	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 511.64	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$426.36/TON		ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -355.64	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		53.28	
EQUIPMENT		ACRE		37.61	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
PRORATED ESTABL	2235.52	DOL.	0.10	223.55	
TOTAL FIXED COSTS		ACRE		\$ 419.44	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 931.07	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$775.89/TON		ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ -775.07	\$
CROP SOLD ON TREES.					

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ORANGES ESTABLISHMENT, 4TH YEAR, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 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	0.21	0.28	15.40	0.61	16.50
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
FERT. APPL. RNTD	5,60	MAR	0.50	0.081	0.062	0.21	0.28	15.40	0.61	16.50
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	0.03	0.23	0.0	4.12	6.88
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,54	MAR	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	1.68	0.58	24.20	6.35	32.81
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	0.03	0.23	0.0	4.12	6.88
DITCHER BLADE	5,54	MAY	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	0.03	0.23	0.0	4.12	6.88
DITCHER BLADE	5,54	JULY	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	1.68	0.58	24.20	6.35	32.81
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	0.03	0.23	0.0	4.12	6.88
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,54	SEPT	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	1.68	0.58	24.20	6.35	32.81
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	0.03	0.23	0.0	4.12	6.88
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,54	NOV	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
TOTALS				7.184	5.443	31.21	24.79	103.40	88.23	247.63

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	5.17	6.00	0.0	11.17
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		30.00	7.500	0.0	0.0	25.87	30.00	0.0	55.87

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT
INCOME ABOVE VARIABLE COSTS LESS SHARE-RENTPRICE OF ORANGES
(DOLLARS)

TON	104.00	117.00	130.00	143.00	156.00
0.96	-411.79	-399.31	-386.83	-374.35	-361.87
1.08	-399.31	-385.27	-371.23	-357.19	-343.16
1.20	-386.83	-371.23	-355.64	-340.03	-324.43
1.32	-374.35	-357.19	-340.03	-322.87	-305.71
1.44	-361.87	-343.16	-324.43	-305.71	-286.99

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

ORANGES, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ORANGES	11.00	TON	130.00	1430.00	
TOTAL PROJECTED RETURNS				\$ 1430.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	116.00	LB.	0.35	40.60	
*HERBICIDE	3.00	ACRE	24.20	72.60	
*INSECTICIDE	3.00	APPL	55.50	166.50	
INSECT. APPL.	3.00	APPL	20.00	60.00	
*IRRIG. WATER	5.00	APPL	6.00	30.00	
TREE REPLACEMENT	1.00	TREE	5.00	5.00	
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		21.25	
EQUIPMENT		ACRE		2.47	
REPAIRS-----TRACTOR		ACRE		3.52	
EQUIPMENT		ACRE		6.72	
LABOR-----MACHINERY	7.18	ACRE			
IRRIGATION	7.50	ACRE	3.45	24.79	
EQUIPMENT	0.98	ACRE	3.45	25.87	
OTHER	6.00	ACRE	3.45	3.38	
OPERATING CAPITAL	105.88	ACRE	3.45	20.70	
SUBTOTAL, PREHARVEST		ACRE	0.190	20.12	
HARVEST COSTS				\$ 503.52	\$
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 503.52	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 45.77/TON		ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 926.48	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		53.28	
EQUIPMENT		ACRE		37.61	
LAND-CASH RENT	1.00	ACRE	105.00	105.00	
PRORATED ESTABL	2787.04	DOL.	0.10	278.70	
TOTAL FIXED COSTS		ACRE		\$ 474.59	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 978.11	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 88.92/TON		ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ 451.89	\$
CROP SOLD ON TREES.					

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PROJECTIONS FOR PLANNING PURPOSES ONLY
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B-1241 (C19)

ORANGES, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 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	0.21	0.28	20.30	0.61	21.40
BORDER DISC	5,53	FEB	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
DITCHER BLADE	5,48	FEB	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
TREE HOE	5,54	FEB	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
FERT. APPL. RNTD	5,60	FEB	0.50	0.081	0.062	0.21	0.28	20.30	0.61	21.40
OFFSET DISC	2,38	MAR	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
BORDER DISC	5,53	MAR	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
TREE HOE	5,54	MAR	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
DITCHER BLADE	5,48	APR	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
ORCH SPRAYR	5,51	APR	1.00	0.168	0.127	1.68	0.58	24.20	6.35	32.81
OFFSET DISC	2,38	MAY	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
DITCHER BLADE	5,48	JUNE	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
OFFSET DISC	2,38	JULY	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
ORCH SPRAYR	5,51	JULY	1.00	0.168	0.127	1.68	0.58	24.20	6.35	32.81
DITCHER BLADE	5,48	AUG	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
OFFSET DISC	2,38	SEPT	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
BORDER DISC	5,53	SEPT	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
TREE HOE	5,54	SEPT	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
DITCHER BLADE	5,48	OCT	0.01	0.005	0.004	0.01	0.02	0.0	0.07	0.10
ORCH SPRAYR	5,51	OCT	1.00	0.168	0.127	1.68	0.58	24.20	6.35	32.81
OFFSET DISC	2,38	NOV	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
BORDER DISC	5,53	NOV	1.00	0.486	0.368	1.31	1.68	0.0	4.20	7.18
TREE HOE	5,54	NOV	1.00	0.875	0.663	2.57	3.02	0.0	7.55	13.14
TOTALS				7.184	5.443	31.21	24.79	113.20	88.23	257.43

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	5.17	6.00	0.0	11.17
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		30.00	7.500	0.0	0.0	25.87	30.00	0.0	55.87

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)

	104.00	117.00	130.00	143.00	156.00
TON					
8.80	411.68	526.08	640.48	754.88	869.28
9.90	526.08	654.78	783.48	912.18	1040.88
11.00	640.48	783.48	926.48	1069.48	1212.48
12.10	754.88	912.18	1069.48	1226.78	1384.08
13.20	869.28	1040.88	1212.48	1384.08	1555.68

QUANTITY OF
ORANGES

ORANGES, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ORANGES	11.00	TON	130.00	1430.00	
TOTAL PROJECTED RETURNS				\$ 1430.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
NITROGEN (DRY)	116.00	LB.	0.35	40.60	
*INSECTICIDE	3.00	APPL	55.50	166.50	
HERBICIDE	3.00	ACRE	24.20	72.60	
*INSECTICIDE	4.00	APPL	27.25	109.00	
*IRRIG. WATER	5.00	APPL	6.00	30.00	
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		0.0	
REPAIRS—TRACTOR		ACRE		0.0	
LABOR—MACHINERY	0.0	HOUR	3.45	0.0	
IRRIGATION	7.50	HOUR	3.45	25.87	
OPERATING CAPITAL	139.62	DOL.	0.190	26.53	
SUBTOTAL, PREHARVEST		ACRE		\$ 536.10	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 536.10	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 48.74/TON	ORANGES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 893.90	\$
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		\$ 851.10	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 77.37/TON	ORANGES	
6. NET PROJECTED RETURNS		ACRE		\$ 578.90	\$

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.

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/15/82.

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ORANGES, PURCHASED MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY
1982 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	5.17	6.00	0.0	11.17
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	NOV	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		30.00	7.500	0.0	0.0	25.87	30.00	0.0	55.87

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)				
		104.00	117.00	130.00	143.00	156.00
QUANTITY OF ORANGES	TON					
	8.80	379.10	493.50	607.90	722.30	836.70
	9.90	493.50	622.20	750.90	879.60	1008.30
	11.00	607.90	750.90	893.90	1036.90	1179.90
	12.10	722.30	879.60	1036.90	1194.20	1351.50
	13.20	836.70	1008.30	1179.90	1351.50	1523.10