

Economics of Citrus Production in the Rio Grande Valley

B-1178A

ORANGES, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OF COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
CITRUS	TON	38.91	15.00	<u>583.65</u>
TOTAL				\$ 583.65
2. VARIABLE COSTS				\$
PREHARVEST				\$
FERT (116-C-0)	ACRE	23.20	1.00	23.20
HERBICIDE	ACRE	34.30	1.00	34.30
HERBICIDE APPLI.	APPL	7.50	3.00	22.50
INSECTICIDE	ACRE	97.17	1.00	97.17
IRRIGATION WATER	APPL	4.00	5.00	20.00
TREE REPLACEMENT	ACRE	10.00	1.00	10.00
MISC EXPENSE	ACRE	10.00	1.00	10.00
MACHINERY	ACRE	18.60	1.00	18.60
TRACTORS	ACRE	10.81	1.00	10.81
IRRIGATION MACHINERY	ACRE	2.50	1.00	2.50
LABOR (TRACTOR & MACHINERY)	HOUR	2.75	11.16	30.69
LABOR (IRRIGATION)	HOUR	2.50	5.00	12.50
OTHER LABOR	HOUR	2.50	6.00	15.00
INTEREST ON OP. CAP.	DOL.	0.09	94.86	<u>9.01</u>
SUBTOTAL, PRE-HARVEST				\$ 316.28
HARVEST COSTS				\$
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 316.28
3. INCOME ABOVE VARIABLE COSTS				\$ 267.37
4. FIXED COSTS				\$
MACHINERY	ACRE	13.43	1.00	13.43
TRACTORS	ACRE	7.43	1.00	7.43
IRRIGATION MACHINERY	ACRE	5.00	1.00	5.00
TAXES (LAND, WATER)	ACRE	22.00	1.00	22.00
PRORATED ESTAB. COST	ACRE	2202.02	0.12	264.24
LAND (NET RENT)	ACRE	1200.00	0.07	<u>84.00</u>
TOTAL FIXED COSTS				\$ 396.10
5. TOTAL COSTS				\$ 712.38
6. NET RETURNS				\$-128.73

CROP SOLD ON TREES. PRORATED ESTABLISHMENT COST INCLUDES ALLOWANCE FOR DEPRECIATION AND INTEREST ON GROVE DEVELOPMENT.

PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS

PROJECTED 1977

ORANGES, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, LUB., PER ACRE	CIL, REP. PER ACRE	FIXED COSTS PER ACRE
SHREDDER	5,44	JULY	1.00	0.637	0.424	1.40		1.28
PICKUP TRUCK	10	JULY	0.35	0.437	0.350	1.37		0.67
HERB SPRA W HDGN	5,69	AUG	1.00	0.382	0.255	0.79		0.81
SHREDDER	5,44	AUG	1.00	0.637	0.424	1.40		1.28
ORCHARD SPRAYER	5,62	AUG	1.00	0.217	0.145	0.52		0.65
PICKUP TRUCK	10	AUG	0.35	0.437	0.350	1.37		0.67
PICKUP TRUCK	10	SEPT	0.35	0.437	0.350	1.37		0.67
HERB SPRA W HDGN	5,69	OCT	1.00	0.382	0.255	0.79		0.81
SHREDDER	5,44	OCT	1.00	0.637	0.424	1.40		1.28
ORCHARD SPRAYER	5,62	OCT	1.00	0.217	0.145	0.52		0.65
PICKUP TRUCK	10	OCT	0.35	0.437	0.350	1.37		0.67
PICKUP TRUCK	10	NOV	0.35	0.437	0.350	1.37		0.67
PICKUP TRUCK	10	DEC	0.35	0.437	0.350	1.37		0.67
FERT. APPLI. RENTD	5,88	JAN	0.50	0.039	0.026	0.07		0.05
PICKUP TRUCK	10	JAN	0.35	0.437	0.350	1.37		0.67
FERT. APPLI. RENTD	5,88	FEB	0.50	0.039	0.026	0.07		0.05
PICKUP TRUCK	10	FEB	0.35	0.437	0.350	1.37		0.67
HERB SPRA W HDGN	5,69	MAR	1.00	0.382	0.255	0.79		0.81
SHREDDER	5,44	MAR	1.00	0.637	0.424	1.40		1.28
PICKUP TRUCK	10	MAR	0.35	0.437	0.350	1.37		0.67
SHREDDER	5,44	APR	1.00	0.637	0.424	1.40		1.28
ORCHARD SPRAYER	5,62	APR	1.00	0.217	0.145	0.52		0.65
PICKUP TRUCK	10	APR	0.35	0.437	0.350	1.37		0.67
SHREDDER	5,44	MAY	1.00	0.637	0.424	1.40		1.28
PICKUP TRUCK	10	MAY	0.35	0.437	0.350	1.37		0.67
ORCHARD SPRAYER	5,62	JUNE	1.00	0.217	0.145	0.52		0.65
PICKUP TRUCK	10	JUNE	0.35	<u>0.437</u>	<u>0.350</u>	<u>1.37</u>		<u>0.67</u>
TOTALS				11.161	8.141	29.41		20.86

CROP SOLD ON TREES. PROPORTED ESTABLISHMENT COST INCLUDES ALLOWANCE FOR DEPRECIATION AND INTEREST ON GROVE DEVELOPMENT.  
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

GRAPEFRUIT, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
GROSS RECEIPTS FROM PRODUCTION				\$
CITRUS	TON	54.30	20.00	<u>1086.00</u>
TOTAL				\$1086.00
VARIABLE COSTS				
PREHARVEST				\$
FERT (116-0-0)	ACRE	23.20	1.00	23.20
HERBICIDE	ACRE	34.30	1.00	34.30
HERBICIDE APPLI.	APPL	7.50	3.00	22.50
INSECTICIDE	ACRE	97.17	1.00	97.17
IRRIGATION WATER	APPL	4.00	5.00	20.00
TREE REPLACEMENT	ACRE	10.00	1.00	10.00
MISC EXPENSE	ACRE	10.00	1.00	10.00
MACHINERY	ACRE	18.60	1.00	18.60
TRACTORS	ACRE	10.81	1.00	10.81
IRRIGATION MACHINERY	ACRE	2.50	1.00	2.50
LABOR (TRACTOR & MACHINERY)	HR	2.75	11.16	30.69
LABOR (IRRIGATION)	HR	2.50	5.00	12.50
OTHER LABOR	HR	2.50	6.00	15.00
INTEREST ON OP. CAP.	DOL.	0.09	94.86	<u>9.01</u>
SUBTOTAL, PRE-HARVEST				\$ 316.28
HARVEST COSTS				\$
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 316.28
INCOME ABOVE VARIABLE COSTS				\$ 769.72
FIXED COSTS				\$
MACHINERY	ACRE	13.43	1.00	13.43
TRACTORS	ACRE	7.43	1.00	7.43
IRRIGATION MACHINERY	ACRE	5.00	1.00	5.00
TAXES (LAND, WATER)	ACRE	22.00	1.00	22.00
PROPATED ESTAB. COST	ACRE	2202.02	0.12	264.24
LAND (NET RENT)	ACRE	1200.00	0.07	<u>84.00</u>
TOTAL FIXED COSTS				\$ 396.10
TOTAL COSTS				\$ 712.38
NET RETURNS				\$ 373.62

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R DEPRECIATION AND INTEREST ON GROVE DEVELOPMENT.

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GRAPEFRUIT, MATURE GROVE, IRRIGATED, TEXAS RIO GRANDE VALLEY  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, FIXED	
						LUB., REP. PER ACRE	CCSTS PER ACRE
SHREDDER	5,44	JULY	1.00	0.637	0.424	1.40	1.28
PICKUP TRUCK	10	JULY	0.35	0.437	0.350	1.37	0.67
HERB SPRA W HDGN	5,69	AUG	1.00	0.382	0.255	0.79	0.81
SHREDDER	5,44	AUG	1.00	0.637	0.424	1.40	1.28
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ORCHARD SPRAYER	5,62	JUNE	1.00	0.217	0.145	0.52	0.65
PICKUP TRUCK	10	JUNE	0.35	<u>0.437</u>	<u>0.350</u>	<u>1.37</u>	<u>0.67</u>
<b>TOTALS</b>				<b>11.161</b>	<b>8.141</b>	<b>29.41</b>	<b>20.86</b>

CROP SOLD ON TREES. PROPORTED ESTABLISHMENT COST INCLUDES ALLOWANCE FOR DEPRECIATION AND INTEREST ON GROVE DEVELOPMENT.  
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