

6-7-78
L-949A
2,900

ECONOMICS OF PROFITABLE LETTUCE PRODUCTION

LETTUCE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				
LETTUCE	CRTN	3.37	300.00	\$ <u>1011.00</u>
TOTAL				\$1011.00
2. VARIABLE COSTS				
PREHARVEST				
SEED	LBS.	17.00	1.00	17.00
FERT(180-80-0)	ACRE	49.60	1.00	49.60
HERBICIDE	ACRE	18.75	1.00	18.75
INSECTICIDE	APPL	4.12	15.00	61.80
FUNGICIDE	APPL	2.75	10.00	27.50
FUNG&INSEC APPLI	APPL	2.00	15.00	30.00
IRRIGATION WATER	APPL	4.00	8.00	32.00
MACHINERY	ACRE	6.82	1.00	6.82
TRACTORS	ACRE	25.50	1.00	25.50
IRRIGATION MACHINERY	ACRE	4.00	1.00	4.00
LABOR(TRACTOR & MACHINERY)	HOUR	4.00	4.74	18.95
LABOR(IRRIGATION)	HOUR	3.25	8.00	26.00
OTHER LABOR	HOUR	3.25	35.00	113.75
INTEREST ON OP. CAP.	DOL.	0.09	133.38	<u>12.67</u>
SUBTOTAL, PRE-HARVEST				\$ 444.34
HARVEST COSTS				
HAND HARVEST	CRTN	0.80	300.00	240.00
PACKING	CRTN	1.15	300.00	345.00
MARKETING	CRTN	0.20	300.00	<u>60.00</u>
SUBTOTAL, HARVEST				\$ 645.00
TOTAL VARIABLE COST				\$1089.34
3. BREAKEVEN PRICE, VARIABLE COSTS				
	CRTN			3.631
4. FIXED COSTS				
MACHINERY	ACRE	10.39	1.00	10.39
TRACTORS	ACRE	20.64	1.00	20.64
IRRIGATION MACHINERY	ACRE	8.00	1.00	8.00
LAND (NET RENT)	ACRE	75.00	1.00	<u>75.00</u>
TOTAL FIXED COSTS				\$ 114.03
5. TOTAL COSTS				
				\$1203.37
6. BREAKEVEN PRICE, TOTAL COSTS				
	CRTN			4.011

1974 - 1976 QUARTER SEASON AVERAGE PRICE. LETTUCE PACKED IN 50 POUND CAR
PREPARED BY CECIL A. PARKER, TAEX, COLLEGE STATION, TEXAS PROJECTED 1

LETTUCE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
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	COSTS PER ACRE
PICKUP TRUCK	10	MAY	0.10	0.125	0.100	0.33	0.20
SHREDDER 4R	H 5,77	JUNE	1.00	0.258	0.172	2.89	2.36
OFFSET DISC	H 1,69	JUNE	1.00	0.258	0.172	2.69	2.85
PICKUP TRUCK	10	JUNE	0.10	0.125	0.100	0.33	0.20
MOLDBOARD PLOW	H 1,62	JULY	0.50	0.293	0.195	3.03	3.25
CHISEL PLOW	H 1,64	JULY	0.50	0.109	0.073	1.09	1.11
TANDEM DISC	H 1,71	JULY	1.00	0.167	0.112	1.74	1.86
PICKUP TRUCK	10	JULY	0.10	0.125	0.100	0.33	0.20
FLOAT PLANE	H 1,76	AUG	1.00	0.446	0.298	4.50	4.61
BEDDER 6R	H 2,66	AUG	1.00	0.201	0.134	1.37	1.38
FERT.APPL,RNTD	H 3,90	AUG	1.00	0.088	0.059	0.37	0.36
STANHAY PLANTR	H 1,89	AUG	1.00	0.577	0.385	5.84	6.01
PICKUP TRUCK	10	AUG	0.10	0.125	0.100	0.33	0.20
DITCHER BLADE	H 4,79	SEPT	0.01	0.005	0.004	0.01	0.02
DITCHER BLADE	H 4,79	SEPT	0.01	0.005	0.004	0.01	0.02
PICKUP TRUCK	10	SEPT	0.10	0.125	0.100	0.33	0.20
CULTIVATOR 6R	H 2,75	OCT	1.00	0.229	0.153	1.59	1.66
FERT.APPL,RNTD	H 3,90	OCT	1.00	0.088	0.059	0.37	0.36
DITCHER BLADE	H 4,79	OCT	0.01	0.005	0.004	0.01	0.02
DITCHER BLADE	H 4,79	OCT	0.01	0.005	0.004	0.01	0.02
PICKUP TRUCK	10	OCT	0.10	0.125	0.100	0.33	0.20
CULTIVATOR 6R	H 2,75	NOV	1.00	0.229	0.153	1.59	1.66
FERT.APPL,RNTD	H 3,90	NOV	1.00	0.088	0.059	0.37	0.36
PICKUP TRUCK	10	NOV	0.10	0.125	0.100	0.33	0.20
FERT.APPL,RNTD	H 3,90	DEC	1.00	0.088	0.059	0.37	0.36
DITCHER BLADE	H 4,79	DEC	0.01	0.005	0.004	0.01	0.02
DITCHER BLADE	H 4,79	DEC	0.01	0.005	0.004	0.01	0.02
PICKUP TRUCK	10	DEC	0.10	0.125	0.100	0.33	0.20
PICKUP TRUCK	10	JAN	0.10	0.125	0.100	0.33	0.20
FERT.APPL,RNTD	H 3,90	FEB	1.00	0.088	0.059	0.37	0.36
PICKUP TRUCK	10	FEB	0.10	0.125	0.100	0.33	0.20
PICKUP TRUCK	10	MAR	0.10	0.125	0.100	0.33	0.20
PICKUP TRUCK	10	APR	0.10	0.125	0.100	0.33	0.20
TOTALS				4.738	3.359	32.32	31.03

1974 - 1976 QUARTER SEASON AVERAGE PRICE. LETTUCE PACKED IN 50 POUND CARTON
PREPARED BY CECIL A. PARKER, TAEX, COLLEGE STATION, TEXAS PROJECTED 1978

LETTUCE, IRRIGATED, TEXAS WINTER GARDEN REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				
LETTUCE	CRTN	3.25	500.00	\$ <u>1625.00</u>
TOTAL				\$1625.00
2. VARIABLE COSTS				
PREHARVEST				
SFED	LBS.	24.00	1.00	24.00
FERT(100-100-0)	ACRE	40.00	1.00	40.00
HERBICIDE	ACRE	15.00	1.00	15.00
INSECTICIDE	APPL	2.00	12.00	24.00
INSECT. APPLI.	APPL	1.75	12.00	21.00
FUNGICIDE	APPL	3.00	4.00	12.00
FUNGICIDE APPLI.	APPL	2.25	4.00	9.00
MACHINERY	ACRE	7.91	1.00	7.91
TRACTORS	ACRE	31.24	1.00	31.24
IRRIGATION MACHINERY	ACRE	39.15	1.00	39.15
LABOR(TRACTOR & MACHINERY)	HOUR	3.00	7.63	22.88
LABOR(IRRIGATION)	HOUR	3.00	1.06	3.17
OTHER LABOR	HOUR	2.25	30.00	67.50
INTEREST ON CP. CAP.	DOL.	0.08	71.29	<u>6.06</u>
SUBTOTAL, PRE-HARVEST				\$ 322.92
HARVEST COSTS				
HARV, PACK, MARKET	CRTN	2.15	500.00	<u>1075.00</u>
SUBTOTAL, HARVEST				\$1075.00
TOTAL VARIABLE COST				\$1397.92
3. BREAKEVEN PRICE, VARIABLE COSTS				
	CRTN			2.796
4. FIXED COSTS				
MACHINERY	ACRE	18.74	1.00	18.74
TRACTORS	ACRE	45.34	1.00	45.34
IRRIGATION MACHINERY	ACRE	25.87	1.00	25.87
LAND (NET RENT)	ACRE	40.00	1.00	<u>40.00</u>
TOTAL FIXED COSTS				\$ 129.96
5. TOTAL COSTS				
				\$1527.88
6. BREAKEVEN PRICE, TOTAL COSTS				
	CRTN			3.056

LETTUCE IS PACKED AND MARKETED IN 40 POUND CARTONS.
PREPARED BY CECIL A. PARKER, TAEX, COLLEGE STATION, TEXAS PROJECTED 1

LETTUCE, IRRIGATED, TEXAS WINTER GARDEN REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
SHREDDER 4R	3,30	JULY	1.00	0.283	0.189	1.42	2.41
OFFSET DISC	1,34	JULY	1.00	0.368	0.246	2.17	3.65
OFFSET DISC	1,34	AUG	1.00	0.368	0.246	2.17	3.65
MOLDBOARD PLOW	1,32	AUG	1.00	0.814	0.542	5.18	9.09
OFFSET DISC	1,34	AUG	1.00	0.368	0.246	2.17	3.65
BEDDER 6R	1,36	AUG	1.00	0.221	0.147	1.29	2.79
PICKUP	10	AUG	0.10	0.125	0.100	0.26	0.20
BEDDER 6R	1,36	SEPT	1.00	0.221	0.147	1.29	2.79
LAND PLANE	1,50	SEPT	2.00	0.655	0.437	3.70	5.63
PICKUP	10	SEPT	0.10	0.125	0.100	0.26	0.20
FERT. APPLI, RENTD	3,60	OCT	1.00	0.097	0.064	0.40	0.60
BEDDER 6R	1,36	OCT	1.00	0.221	0.147	1.29	2.79
ROLLING CULT. 4R	1,37	OCT	1.00	0.295	0.197	1.62	2.57
BED SHAPER 6R	1,48	OCT	1.00	0.196	0.131	1.25	1.96
PICKUP	10	OCT	0.10	0.125	0.100	0.26	0.20
PICKUP	10	DEC	0.10	0.125	0.100	0.26	0.20
STANHAY PLANTER	1,44	JAN	1.00	0.635	0.423	3.77	6.35
CULTIVATOR 4R	1,39	JAN	1.00	0.318	0.212	1.75	2.79
V-TYPE DITCHER	3,54	JAN	0.10	0.071	0.047	0.30	0.47
SCRAPER BLADE	3,56	JAN	0.10	0.059	0.039	0.25	0.41
PICKUP	10	JAN	0.10	0.125	0.100	0.26	0.20
CULTIVATOR 4R	1,39	FEB	2.00	0.635	0.424	3.50	5.58
V-TYPE DITCHER	3,54	FEB	0.10	0.071	0.047	0.30	0.47
SCRAPER BLADE	3,56	FEB	0.10	0.059	0.039	0.25	0.41
PICKUP	10	FEB	0.10	0.125	0.100	0.26	0.20
FERT. APPLI, RENTD	3,60	MAR	1.00	0.097	0.064	0.40	0.60
CULTIVATOR 4R	1,39	MAR	1.00	0.318	0.212	1.75	2.79
V-TYPE DITCHER	3,54	MAR	0.10	0.071	0.047	0.30	0.47
SCRAPER BLADE	3,56	MAR	0.10	0.059	0.039	0.25	0.41
PICKUP	10	MAR	0.10	0.125	0.100	0.26	0.20
PICKUP	10	APR	0.10	0.125	0.100	0.26	0.20
PICKUP	10	MAY	0.10	0.125	0.100	0.26	0.20

TOTALS

7.626 5.234 39.16 64.09

LETTUCE IS PACKED AND MARKETED IN 40 POUND CARTONS.

PREPARED BY CECIL A. PARKER, TAEX, COLLEGE STATION, TEXAS

PROJECTED 1978

Educational programs conducted by the Texas Agricultural Extension Service serve people of all ages regardless of socio-economic level, race, color, sex, religion, or national origin.

Cooperative Extension Work in Agriculture and Home Economics, The Texas A&M University System and the United States Department of Agriculture cooperating. Distributed in furtherance of the Acts of Congress of May 8, 1914, as amended, and June 30, 1914. 3M-4-78, Revised

AECO 6