

SUNFLOWERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
SUNFLOWERS	1600.00	LB.	0.08	128.00	
TOTAL PROJECTED RETURNS				\$ 128.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SUNFLOWER SEED	4.00	LB.	0.50	2.00	
*NITROGEN (DRY)	50.00	LB.	0.26	13.00	
*HERBICIDE	1.00	ACRE	4.00	4.00	
*INSECTICIDE	3.00	APPL	6.00	18.00	
CUSTOM FERTILIZE	1.00	ACRE	2.00	2.00	
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		4.55	
EQUIPMENT		ACRE		0.47	
IRRIGATION		ACRE		60.00	
REPAIRS-----TRACTOR		ACRE		1.35	
EQUIPMENT		ACRE		1.02	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	0.91	HOURL	5.00	4.53	
IRRIGATION	1.20	HOURL	4.00	4.80	
EQUIPMENT	0.21	HOURL	4.00	0.84	
OPERATING CAPITAL	36.49	DOL.	0.125	4.56	
SUBTOTAL, PREHARVEST		ACRE		\$ 138.81	\$
HARVEST COSTS					
HARVEST & HAUL	1.00	ACRE	25.00	25.00	
CUSTOM HAUL	16.00	CWT.	0.20	3.20	
SUBTOTAL, HARVEST		ACRE		\$ 28.20	\$
TOTAL VARIABLE COSTS		ACRE		\$ 167.01	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 0.10/LB.		SUNFLOWERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -39.01	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		9.60	
EQUIPMENT		ACRE		9.78	
IRRIGATION		ACRE		24.48	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 81.36	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 248.38	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 0.16/LB.		SUNFLOWERS	
6. NET PROJECTED RETURNS		ACRE		\$ -120.38	\$

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.

SUNFLOWERS, IRRIGATED
TEXAS WINTER GARDEN 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
OFFSET DISC	3,34	MAR	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
BEDDER 6R	3,36	MAR	1.00	0.151	0.115	1.08	0.76	0.0	1.96	3.80
CULTIVATOR 6R	3,40	APR	1.00	0.151	0.115	1.07	0.76	0.0	2.36	4.18
PLANTER 6R	3,42	MAY	1.00	0.224	0.170	1.91	1.12	2.00	5.38	10.40
CULTIVATOR 6R	3,40	MAY	1.00	0.151	0.115	1.07	0.76	0.0	2.36	4.18
HERBICIDE SPRAYR	63	MAY	1.00	0.0	0.264	0.08	0.0	4.00	2.01	6.09
TOTALS				0.906	0.950	6.84	4.53	6.00	18.81	36.18

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	APR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	MAY	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	JUNE	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	JULY	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		12.00	1.200	0.0	67.20	4.80	0.0	24.48	96.48

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 SUNFLOWERS
(DOLLARS)

QUANTITY OF SUNFLOWERS	LB.	PRICE OF SUNFLOWERS (DOLLARS)				
		0.06	0.07	0.08	0.09	0.10
1280.		-84.45	-74.21	-63.97	-53.73	-43.49
1440.		-74.53	-63.01	-51.49	-39.97	-28.45
1600.		-64.61	-51.81	-39.01	-26.21	-13.41
1760.		-54.69	-40.61	-26.53	-12.45	1.63
1920.		-44.77	-29.41	-14.05	1.31	16.67

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

WINTER WHEAT, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
WINTER WHEAT	35.00	BU.	3.35	117.25	_____
GRAZING	90.00	DAYS	0.50	45.00	_____
DEFICIENCY PMT.	35.00	BU.	1.15	40.25	_____
TOTAL PROJECTED RETURNS				\$ 202.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*WHEAT SD TREATED	60.00	LB.	0.17	10.20	_____
*NITROGEN (ANHY)	120.00	LB.	0.13	15.60	_____
*PHOSPHATE	40.00	LB.	0.22	8.80	_____
FED CRP (65%@\$4)	1.00	ACRE	4.25	4.25	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		7.45	_____
EQUIPMENT		ACRE		1.09	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		2.20	_____
EQUIPMENT		ACRE		1.25	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.48	HOURL	5.00	7.41	_____
IRRIGATION	1.20	HOURL	4.00	4.80	_____
EQUIPMENT	0.49	HOURL	4.00	1.96	_____
OPERATING CAPITAL	30.86	DOL.	0.125	3.86	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 136.06	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	17.50	17.50	_____
HAUL WHEAT	35.00	BU.	0.15	5.25	_____
SUBTOTAL, HARVEST		ACRE		\$ 22.75	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 158.81	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.10/BU.	WINTER WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 43.69	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.71	_____
EQUIPMENT		ACRE		8.64	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 86.33	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 245.14	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.57/BU.	WINTER WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -42.64	\$ _____

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TEXAS WINTER GARDEN 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
CHISEL PLOW	3,33	JUNE	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
FIELD CULTIVATOR	3,43	JULY	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
LAND PLANE	3,50	JULY	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.64
FIELD CULTIVATOR	3,43	SEPT	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
BEDDER 6R	3,36	SEPT	1.00	0.151	0.115	1.08	0.76	0.0	1.96	3.80
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
DRY FERT SPRDER	3,60	SEPT	1.00	0.203	0.154	1.48	1.02	8.80	3.85	15.15
GRAIN DRILL	3,46	OCT	1.00	0.270	0.205	2.02	1.35	10.20	6.12	19.69
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
TOTALS				1.482	1.122	10.72	7.41	34.60	23.01	75.74

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	NOV	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	JAN	2.00	0.200	0.0	11.20	0.80	0.0	4.08	16.08
WATER APPLICATION	FEB	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	MAR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		12.00	1.200	0.0	67.20	4.80	0.0	24.48	96.48

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 WINTER WHEAT
(DOLLARS)

QUANTITY OF WINTER WHEAT	BU.	PRICE OF WINTER WHEAT (DOLLARS)				
		2.68	3.01	3.35	3.68	4.02
	28.00	-5.52	3.86	13.24	22.62	32.00
	31.50	7.36	17.91	28.46	39.01	49.57
	35.00	20.24	31.96	43.69	55.41	67.14
	38.50	33.12	46.01	58.91	71.81	84.71
	42.00	46.00	60.07	74.14	88.21	102.28

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

WINTER WHEAT, DRYLAND
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED		PROJECTED		YOUR ESTIMATE
	YIELD	UNIT	\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WINTER WHEAT	20.00	BU.	3.35	67.00	_____
GRAZING	45.00	DAYS	0.50	22.50	_____
DEFICIENCY PMT.	20.00	BU.	1.15	23.00	_____
TOTAL PROJECTED RETURNS				\$ 112.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*WHEAT SD TREATED	60.00	LB.	0.17	10.20	_____
*NITROGEN (ANHY)	60.00	LB.	0.13	7.80	_____
*PHOSPHATE	30.00	LB.	0.22	6.60	_____
FED CRP(65%@\$4)	1.00	ACRE	4.75	4.75	_____
FUEL & LUBE--TRACTOR		ACRE		6.43	_____
EQUIPMENT		ACRE		1.09	_____
REPAIRS-----TRACTOR		ACRE		1.90	_____
EQUIPMENT		ACRE		1.13	_____
LABOR-----MACHINERY	1.28	HOUR	5.00	6.40	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	11.66	DOL.	0.125	1.46	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 49.73	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	17.50	17.50	_____
HAUL WHEAT	20.00	BU.	0.15	3.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 20.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 70.23	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.24/BU.	WINTER WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 42.27	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		13.57	_____
EQUIPMENT		ACRE		7.77	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE		\$ 55.84	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 126.07	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.03/BU.	WINTER WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -13.57	\$ _____

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WINTER WHEAT, DRYLAND
 TEXAS WINTER GARDEN 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
CHISEL PLOW	3,33	JUNE	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
FIELD CULTIVATOR	3,43	JUNE	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
FIELD CULTIVATOR	3,43	AUG	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.99	0.76	3.90	1.60	7.25
DRY FERT SPRDER	3,60	SEPT	1.00	0.203	0.154	1.48	1.02	6.60	3.85	12.95
GRAIN DRILL	3,46	OCT	1.00	0.270	0.205	2.02	1.35	10.20	6.12	19.69
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	3.90	1.60	7.25
TOTALS				1.280	0.970	9.29	6.40	24.60	20.01	60.30

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 WINTER WHEAT
 (DOLLARS)

		2.68	3.01	3.35	3.68	4.02
BU.						
QUANTITY OF WINTER WHEAT	16.00	14.15	19.51	24.87	30.23	35.59
	18.00	21.51	27.54	33.57	39.60	45.63
	20.00	28.87	35.57	42.27	48.97	55.67
	22.00	36.23	43.60	50.97	58.34	65.71
	24.00	43.59	51.63	59.67	67.71	75.75

SPRING WHEAT, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPRING WHEAT	35.00	BU.	3.35	117.25	_____
DEFICIENCY PMT.	35.00	BU.	1.15	40.25	_____
TOTAL PROJECTED RETURNS				\$ 157.50	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*WHEAT SD TREATED	80.00	LB.	0.17	13.60	_____
*NITROGEN (ANHY)	80.00	LB.	0.13	10.40	_____
*PHOSPHATE	40.00	LB.	0.22	8.80	_____
FED CRP (65%@\$4)	1.00	ACRE	4.25	4.25	_____
IRRIGATION WATER	13.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		6.69	_____
EQUIPMENT		ACRE		1.09	_____
IRRIGATION		ACRE		65.00	_____
REPAIRS-----TRACTOR		ACRE		1.98	_____
EQUIPMENT		ACRE		1.25	_____
IRRIGATION		ACRE		7.80	_____
LABOR-----MACHINERY	1.33	HOUR	5.00	6.65	_____
IRRIGATION	1.30	HOUR	4.00	5.20	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	39.79	DOL.	0.125	4.97	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 139.64	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	17.50	17.50	_____
HAUL WHEAT	35.00	BU.	0.15	5.25	_____
SUBTOTAL, HARVEST		ACRE		\$ 22.75	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 162.39	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.49/BU.	SPRING WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -4.89	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		14.10	_____
EQUIPMENT		ACRE		8.64	_____
IRRIGATION		ACRE		26.52	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 86.76	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 249.15	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.97/BU.	SPRING WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -91.65	\$ _____

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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
CHISEL PLOW	3,33	JUNE	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
FIELD CULTIVATOR	3,43	AUG	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
FIELD CULTIVATOR	3,43	OCT	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
LAND PLANE	3,50	OCT	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.64
BEDDER 6R	3,36	NOV	1.00	0.151	0.115	1.08	0.76	0.0	1.96	3.80
ANHYDROUS SPRDER	3,61	NOV	1.00	0.151	0.115	0.99	0.76	10.40	1.60	13.75
DRY FERT SPRDER	3,60	NOV	1.00	0.203	0.154	1.48	1.02	8.80	3.85	15.15
GRAIN DRILL	3,46	DEC	1.00	0.270	0.205	2.02	1.35	13.60	6.12	23.09
TOTALS				1.330	1.008	9.74	6.65	32.80	21.40	70.59

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	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	FEB	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	MAR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	APR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		13.00	1.300	0.0	72.80	5.20	0.0	26.52	104.52

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 SPRING WHEAT (DOLLARS)				
		2.68	3.01	3.35	3.68	4.02
QUANTITY OF SPRING WHEAT	BU.					
	28.00	-54.10	-44.72	-35.34	-25.96	-16.58
	31.50	-41.22	-30.67	-20.11	-9.56	0.99
	35.00	-28.34	-16.61	-4.89	6.84	18.56
	38.50	-15.46	-2.56	10.34	23.23	36.13
	42.00	-2.58	11.49	25.56	39.63	53.70

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

SPRING WHEAT, DRYLAND
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SPRING WHEAT	20.00	BU.	3.35	67.00	_____
DEFICIENCY PMT.	20.00	BU.	1.15	23.00	_____
TOTAL PROJECTED RETURNS				\$ 90.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*WHEAT SD TREATED	60.00	LB.	0.17	10.20	_____
*NITROGEN (ANHY)	40.00	LB.	0.13	5.20	_____
*PHOSPHATE	30.00	LB.	0.22	6.60	_____
FED CRP(65%@\$4)	1.00	ACRE	4.75	4.75	_____
FUEL & LUBE--TRACTOR		ACRE		5.67	_____
EQUIPMENT		ACRE		1.09	_____
REPAIRS-----TRACTOR		ACRE		1.68	_____
EQUIPMENT		ACRE		1.13	_____
LABOR-----MACHINERY	1.13	HOUR	5.00	5.64	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	15.59	DOL.	0.125	1.95	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 45.88	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	17.50	17.50	_____
HAUL WHEAT	20.00	BU.	0.15	3.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 20.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 66.38	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.17/BU.	SPRING WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 23.62	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		11.97	_____
EQUIPMENT		ACRE		7.77	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE		\$ 54.24	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 120.62	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.88/BU.	SPRING WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -30.62	\$ _____

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PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 04/11/84.

B-1241(C12)

SPRING WHEAT, DRYLAND
TEXAS WINTER GARDEN 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
CHISEL PLOW	3,33	JUNE	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
FIELD CULTIVATOR	3,43	AUG	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
FIELD CULTIVATOR	3,43	OCT	1.00	0.151	0.115	1.15	0.76	0.0	2.05	3.95
ANHYDROUS SPRDER	3,61	NOV	1.00	0.151	0.115	0.99	0.76	5.20	1.60	8.55
DRY FERT SPRDER	3,60	NOV	1.00	0.203	0.154	1.48	1.02	6.60	3.85	12.95
GRAIN DRILL	3,46	DEC	1.00	0.270	0.205	2.02	1.35	10.20	6.12	19.69
TOTALS				1.129	0.855	8.31	5.64	22.00	18.40	54.35

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 SPRING WHEAT
(DOLLARS)

		2.68	3.01	3.35	3.68	4.02
QUANTITY OF SPRING WHEAT	BU.					
	16.00	-4.50	0.86	6.22	11.58	16.94
	18.00	2.86	8.89	14.92	20.95	26.98
	20.00	10.22	16.92	23.62	30.32	37.02
	22.00	17.58	24.95	32.32	39.69	47.06
	24.00	24.94	32.98	41.02	49.06	57.10

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

PROCESSED BEETS (IRRIGATED)
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
PROC. BEETS #2	6.25	TON	90.00	562.50	
PROC. BEETS #1	2.30	TON	72.00	165.60	
PROC. BEETS #3	1.70	TON	10.00	17.00	
USABLE CULLS	2.75	TON	1.00	2.75	
TOTAL PROJECTED RETURNS				\$ 747.85	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*BEET SEED	18.00	LB.	3.00	54.00	
*NITROGEN (DRY)	24.00	LB.	0.26	6.24	
*NITROGEN (LIQ)	24.00	LB.	0.26	6.24	
*PHOSPHATE	60.00	LB.	0.22	13.20	
*HERBICIDE	1.00	ACRE	25.00	25.00	
*BORON	2.00	ACRE	2.75	5.50	
BORON APPLICAT.	2.00	ACRE	3.00	6.00	
*FUNGICIDE	3.00	ACRE	6.60	19.80	
FUNGICIDE APPLI.	3.00	ACRE	2.90	8.70	
FERTILIZER APPLI	1.00	ACRE	2.50	2.50	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		18.23	
EQUIPMENT		ACRE		0.93	
IRRIGATION		ACRE		60.00	
REPAIRS-----TRACTOR		ACRE		5.05	
EQUIPMENT		ACRE		2.77	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	2.55	HOUR	5.00	12.73	
IRRIGATION	1.20	HOUR	4.00	4.80	
EQUIPMENT	0.42	HOUR	4.00	1.68	
OTHER	7.00	HOUR	4.00	28.00	
OPERATING CAPITAL	35.70	DOL.	0.125	4.46	
SUBTOTAL, PREHARVEST		ACRE		\$ 293.03	\$
HARVEST COSTS					
CUSTOM HARV&HAUL	13.00	TON	11.00	143.00	
SUBTOTAL, HARVEST		ACRE		\$ 143.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 436.03	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 40.11/TON	PROC. BEETS #2		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 311.82	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.28	
EQUIPMENT		ACRE		21.58	
IRRIGATION		ACRE		24.48	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
TOTAL FIXED COSTS		ACRE		\$ 136.84	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 572.87	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 62.00/TON	PROC. BEETS #2		
6. NET PROJECTED RETURNS		ACRE		\$ 174.98	\$

YIELD BASED ON A WEIGHTED AVERAGE OF 18% #1; 48% #2; 13% #3;
 AND 21% USABLE CULLS.

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PROCESSED BEETS (IRRIGATED)
TEXAS WINTER GARDEN 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	2,30	SEPT	1.00	0.263	0.199	2.39	1.31	0.0	3.67	7.38
OFFSET DISC	2,34	SEPT	1.20	0.273	0.207	2.44	1.37	0.0	5.62	9.42
MOLDBOARD PLOW	1,32	SEPT	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	SEPT	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
OFFSET DISC	2,34	NOV	1.00	0.228	0.173	2.03	1.14	0.0	4.68	7.85
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	25.00	2.01	27.09
PLANTER 4R	1,41	JAN	1.00	0.303	0.230	3.38	1.52	54.00	7.56	66.46
BED SHAPER 6R	1,48	JAN	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
BEDDER 6R	1,36	FEB	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
CULTIVATOR 4R	1,39	MAR	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
CULTIVATOR 4R	1,39	APR	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
TOTALS				2.545	2.193	25.90	12.73	79.00	53.71	171.34

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	JAN	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	FEB	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	MAR	3.00	0.300	0.0	16.80	1.20	6.24	6.12	30.36
WATER APPLICATION	APR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		12.00	1.200	0.0	67.20	4.80	6.24	24.48	102.72

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 PROC. BEETS #2
(DOLLARS)

		72.00	81.00	90.00	99.00	108.00
QUANTITY OF PROC. BEETS #2	TON					
	5.00	100.85	145.85	190.85	235.85	280.85
	5.63	150.08	200.71	251.33	301.96	352.58
	6.25	199.32	255.57	311.82	368.07	424.32
	6.88	248.55	310.43	372.30	434.18	496.05
	7.50	297.79	365.29	432.79	500.29	567.79

CABBAGE, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CABBAGE	550.00	BAG	3.50	1925.00	
TOTAL PROJECTED RETURNS				\$ 1925.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*CABBAGE SEED	1.50	LB.	52.00	78.00	
*NITROGEN (LIQ)	50.00	LB.	0.26	13.00	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	8.00	8.00	
*NITROGEN (DRY)	50.00	LB.	0.26	13.00	
*INSECTICIDE	10.00	APPL	13.00	130.00	
*FUNGICIDE	5.00	APPL	12.00	60.00	
PESTICIDE APPLI.	10.00	ACRE	3.50	35.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		18.11	
EQUIPMENT		ACRE		1.09	
IRRIGATION		ACRE		80.00	
REPAIRS-----TRACTOR		ACRE		5.12	
EQUIPMENT		ACRE		2.61	
IRRIGATION		ACRE		9.60	
LABOR-----MACHINERY	2.59	HOUR	5.00	12.96	
IRRIGATION	1.60	HOUR	4.00	6.40	
EQUIPMENT	0.49	HOUR	4.00	1.96	
OTHER	24.00	HOUR	4.00	96.00	
OPERATING CAPITAL	62.67	DOL.	0.125	7.83	
SUBTOTAL, PREHARVEST		ACRE		\$ 596.28	\$
HARVEST COSTS					
HARV, PACK & MKT	550.00	BAG	2.10	1155.00	
SUBTOTAL, HARVEST		ACRE		\$ 1155.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1751.28	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 3.18/BAG	CABBAGE		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 173.72	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.48	
EQUIPMENT		ACRE		21.94	
IRRIGATION		ACRE		32.64	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 144.56	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1895.84	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 3.45/BAG	CABBAGE		
6. NET PROJECTED RETURNS		ACRE		\$ 29.16	\$

CABBAGE ARE PACKED AND MARKETING IN 50 POUND BAGS.
 BUDGET BASED ON A FALL CROP

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CABBAGE, IRRIGATED
TEXAS WINTER GARDEN 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	2,30	JUNE	0.50	0.131	0.100	1.20	0.66	0.0	1.84	3.69
OFFSET DISC	2,34	JUNE	1.20	0.273	0.207	2.44	1.37	0.0	5.62	9.42
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
DRY FERT SPRDER	2,60	JUNE	1.00	0.203	0.154	1.83	1.02	30.60	3.80	37.24
OFFSET DISC	2,34	JULY	1.00	0.228	0.173	2.03	1.14	0.0	4.68	7.85
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
CULTIVATOR 4R	1,39	JULY	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
HERBICIDE SPRAYR	63	JULY	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
STANHAY PLANTER	2,44	JULY	1.00	0.303	0.230	2.75	1.52	78.00	5.17	87.43
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
TOTALS				2.592	2.228	25.66	12.96	116.60	53.08	208.30

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	JULY	6.00	0.600	0.0	33.60	2.40	0.0	12.24	48.24
WATER APPLICATION	AUG	6.00	0.600	0.0	33.60	2.40	13.00	12.24	61.24
WATER APPLICATION	SEPT	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		16.00	1.600	0.0	89.60	6.40	13.00	32.64	141.64

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 CABBAGE
(DOLLARS)

		2.80	3.15	3.50	3.85	4.20
QUANTITY OF CABBAGE	BAG					
	440.00	-288.28	-134.28	19.72	173.72	327.72
	495.00	-249.78	-76.53	96.72	269.97	443.22
	550.00	-211.28	-18.78	173.72	366.22	558.72
	605.00	-172.78	38.97	250.72	462.47	674.22
	660.00	-134.28	96.72	327.72	558.72	789.72

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

CANTALOUPE, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CANTALOUPS	300.00	CRTN	5.50	1650.00	
TOTAL PROJECTED RETURNS				\$ 1650.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CANTALOUPE SEED	2.00	LB.	6.00	12.00	
*NITROGEN (LIQ)	40.00	LB.	0.26	10.40	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	6.00	6.00	
*INSECTICIDE	5.00	APPL	5.00	25.00	
*FUNGICIDE	4.00	APPL	4.20	16.80	
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	
BEEHIVE RENT	0.50	ACRE	15.00	7.50	
*NITROGEN (DRY)	60.00	LB.	0.26	15.60	
IRRIGATION WATER	15.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		16.96	
EQUIPMENT		ACRE		1.31	
IRRIGATION		ACRE		75.00	
REPAIRS-----TRACTOR		ACRE		4.85	
EQUIPMENT		ACRE		3.20	
IRRIGATION		ACRE		9.00	
LABOR-----MACHINERY	3.01	HOURL	5.00	15.07	
IRRIGATION	1.50	HOURL	4.00	6.00	
EQUIPMENT	0.59	HOURL	4.00	2.35	
OTHER	18.00	HOURL	4.00	72.00	
OPERATING CAPITAL	57.36	DOL.	0.125	7.17	
SUBTOTAL, PREHARVEST		ACRE		\$ 341.30	\$
HARVEST COSTS					
HARV. PACK & MKT	300.00	CRTN	4.25	1275.00	
SUBTOTAL, HARVEST		ACRE		\$ 1275.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1616.30	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.39/CRTN	CANTALOUPS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 33.70	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		34.58	
EQUIPMENT		ACRE		27.96	
IRRIGATION		ACRE		30.60	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 150.63	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1766.94	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.89/CRTN	CANTALOUPS	
6. NET PROJECTED RETURNS		ACRE		\$ -116.94	\$

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CANTALOUPE, IRRIGATED
TEXAS WINTER GARDEN 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
CULTIVATOR 4R	3,39	NOV	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
SHREDDER	3,30	DEC	0.50	0.131	0.100	0.97	0.66	0.0	1.87	3.50
CULTIVATOR 4R	3,39	DEC	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
OFFSET DISC	3,34	JAN	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
MOLDBOARD PLOW	1,32	JAN	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	50	JAN	0.20	0.0	0.038	0.02	0.0	0.0	0.51	0.53
OFFSET DISC	3,34	FEB	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
BEDDER 6R	1,36	FEB	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
HERBICIDE SPRAYR	63	FEB	1.00	0.0	0.264	0.08	0.0	6.00	2.01	8.09
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	33.20	3.85	39.55
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.91	1.12	12.00	5.38	20.40
CULTIVATOR 4R	3,39	APR	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
LAND PLANE	50	MAY	1.00	0.0	0.191	0.11	0.0	0.0	2.53	2.64
ROLLING CULT 4R	3,37	MAY	1.00	0.324	0.246	2.25	1.62	0.0	4.79	8.67
TOTALS				3.013	2.776	24.80	15.07	51.20	60.93	152.00

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	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	MAR	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	APR	4.00	0.400	0.0	22.40	1.60	10.40	8.16	42.56
WATER APPLICATION	MAY	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		15.00	1.500	0.0	84.00	6.00	10.40	30.60	131.00

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 CANTALOUPS
(DOLLARS)

		4.40	4.95	5.50	6.05	6.60
QUANTITY OF CANTALOUPS	CRTN					
	240.00	-305.30	-173.30	-41.30	90.70	222.70
	270.00	-300.80	-152.30	-3.80	144.70	293.20
	300.00	-296.30	-131.30	33.70	198.70	363.70
	330.00	-291.80	-110.30	71.20	252.70	434.20
	360.00	-287.30	-89.30	108.70	306.70	504.70

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

CARROTS, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
CARROTS	350.00	BAG	6.50	2275.00	_____
TOTAL PROJECTED RETURNS				\$ 2275.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CARROT SEED	3.50	LB.	6.00	21.00	_____
*NITROGEN (LIQ)	60.00	LB.	0.26	15.60	_____
*PHOSPHATE	75.00	LB.	0.22	16.50	_____
*HERBICIDE	2.00	ACRE	8.00	16.00	_____
*INSECTICIDE	2.00	APPL	6.00	12.00	_____
*FUNGICIDE	2.00	APPL	4.20	8.40	_____
PESTICIDE APPLI.	2.00	ACRE	3.50	7.00	_____
*NITROGEN (DRY)	60.00	LB.	0.26	15.60	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		14.31	_____
IRRIGATION		ACRE		90.00	_____
REPAIRS-----TRACTOR		ACRE		4.06	_____
EQUIPMENT		ACRE		2.40	_____
IRRIGATION		ACRE		10.80	_____
LABOR-----MACHINERY	2.46	HOUR	5.00	12.30	_____
IRRIGATION	1.80	HOUR	4.00	7.20	_____
OPERATING CAPITAL	56.91	DOL.	0.125	7.11	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 260.28	\$ _____
HARVEST COSTS					
HARV, PACK & MKT	350.00	BAG	4.50	1575.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1575.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1835.28	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.24/BAG	CARROTS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 439.72	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.90	_____
EQUIPMENT		ACRE		22.13	_____
IRRIGATION		ACRE		36.72	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 145.26	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1980.53	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.66/BAG	CARROTS	
6. NET PROJECTED RETURNS		ACRE		\$ 294.47	\$ _____

CARROTS ARE PACKED AND MARKETING IN 48 ONE POUND CELLO 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.

CARROTS, IRRIGATED
TEXAS WINTER GARDEN 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
OFFSET DISC	3,34	JUNE	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.48	1.02	32.10	3.85	38.45
STANHAY PLANTER	3,44	JULY	1.00	0.303	0.230	2.23	1.52	21.00	5.24	29.99
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				2.461	2.393	20.76	12.30	69.10	51.04	153.20

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	JULY	6.00	0.600	0.0	33.60	2.40	0.0	12.24	48.24
WATER APPLICATION	AUG	3.00	0.300	0.0	16.80	1.20	15.60	6.12	39.72
WATER APPLICATION	SEPT	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	OCT	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	NOV	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		18.00	1.800	0.0	100.80	7.20	15.60	36.72	160.32

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 CARROTS
(DOLLARS)

BAG	5.20	5.85	6.50	7.15	7.80
280.00	-64.28	117.72	299.72	481.72	663.72
315.00	-39.78	164.97	369.72	574.47	779.22
350.00	-15.28	212.22	439.72	667.22	894.72
385.00	9.22	259.47	509.72	759.97	1010.22
420.00	33.72	306.72	579.72	852.72	1125.72

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

PROCESSED CARROTS, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
PROC. CARROTS #2	8.00	TON	64.00	512.00	_____
PROC. CARROTS #3	2.40	TON	36.00	86.40	_____
PROC. CARROTS #1	1.20	TON	15.00	18.00	_____
CARROT CULLS	0.40	TON	1.00	0.40	_____
TOTAL PROJECTED RETURNS				\$ 616.80	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CARROT SEED	3.50	LB.	6.00	21.00	_____
*NITROGEN (LIQ)	60.00	LB.	0.26	15.60	_____
*PHOSPHATE	75.00	LB.	0.22	16.50	_____
*HERBICIDE	2.00	ACRE	8.00	16.00	_____
*INSECTICIDE	2.00	APPL	6.00	12.00	_____
*FUNGICIDE	2.00	APPL	4.20	8.40	_____
PESTICIDE APPLI.	2.00	ACRE	3.50	7.00	_____
*NITROGEN (DRY)	60.00	LB.	0.26	15.60	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		14.31	_____
IRRIGATION		ACRE		90.00	_____
REPAIRS-----TRACTOR		ACRE		4.06	_____
EQUIPMENT		ACRE		2.40	_____
IRRIGATION		ACRE		10.80	_____
LABOR-----MACHINERY	2.46	HOUR	5.00	12.30	_____
IRRIGATION	1.80	HOUR	4.00	7.20	_____
OPERATING CAPITAL	74.84	DOL.	0.125	9.36	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 262.52	\$ _____
HARVEST COSTS					
HARVEST AND HAUL	12.00	TON	11.00	132.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 132.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 394.52	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 36.22/TON	PROC. CARROTS #2	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 222.28	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.90	_____
EQUIPMENT		ACRE		22.13	_____
IRRIGATION		ACRE		36.72	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 145.26	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 539.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 54.37/TON	PROC. CARROTS #2	
6. NET PROJECTED RETURNS		ACRE		\$ 77.02	\$ _____
YIELD BASED ON 10% #1; 67% #2; 20% #3; AND 3% USABLE CULLS.					

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PROCESSED CARROTS, IRRIGATED
TEXAS WINTER GARDEN 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
OFFSET DISC	3,34	JUNE	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.48	1.02	32.10	3.85	38.45
STANHAY PLANTER	3,44	JULY	1.00	0.303	0.230	2.23	1.52	21.00	5.24	29.99
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				2.461	2.393	20.76	12.30	69.10	51.04	153.20

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	JULY	6.00	0.600	0.0	33.60	2.40	0.0	12.24	48.24
WATER APPLICATION	AUG	3.00	0.300	0.0	16.80	1.20	15.60	6.12	39.72
WATER APPLICATION	SEPT	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	OCT	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	NOV	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		18.00	1.800	0.0	100.80	7.20	15.60	36.72	160.32

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 PROC. CARROTS #2
(DOLLARS)

		51.20	57.60	64.00	70.40	76.80
QUANTITY OF PROC. CARROTS #2	TON					
	6.40	43.40	84.36	125.32	166.28	207.24
	7.20	81.64	127.72	173.80	219.88	265.96
	8.00	119.88	171.08	222.28	273.48	324.68
	8.80	158.12	214.44	270.76	327.08	383.40
	9.60	196.36	257.80	319.24	380.68	442.12

CUCUMBERS, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CUCUMBERS	250.00	CRTN	6.50	1625.00	
TOTAL PROJECTED RETURNS				\$ 1625.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*CUCUMBER SEED	3.00	LB.	5.30	15.90	
*NITROGEN (LIQ)	40.00	LB.	0.26	10.40	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	6.00	6.00	
*INSECTICIDE	1.00	APPL	10.00	10.00	
*FUNGICIDE	5.00	APPL	7.00	35.00	
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	
BEEHIVE RENT	0.50	ACRE	15.00	7.50	
*NITROGEN (DRY)	40.00	LB.	0.26	10.40	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.49	
EQUIPMENT		ACRE		1.09	
IRRIGATION		ACRE		80.00	
REPAIRS-----TRACTOR		ACRE		4.11	
EQUIPMENT		ACRE		2.61	
IRRIGATION		ACRE		9.60	
LABOR-----MACHINERY	2.50	HOOR	5.00	12.48	
IRRIGATION	1.60	HOOR	4.00	6.40	
EQUIPMENT	0.49	HOOR	4.00	1.96	
OTHER	10.00	HOOR	4.00	40.00	
OPERATING CAPITAL	23.58	DOL.	0.125	2.95	
SUBTOTAL, PREHARVEST		ACRE		\$ 305.99	\$
HARVEST COSTS					
HRV,PKG,MKT	250.00	CRTN	4.25	1062.50	
SUBTOTAL, HARVEST		ACRE		\$ 1062.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1368.49	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.47/CRTN	CUCUMBERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 256.51	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		29.28	
EQUIPMENT		ACRE		21.53	
IRRIGATION		ACRE		32.64	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 140.95	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1509.44	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.04/CRTN	CUCUMBERS	
6. NET PROJECTED RETURNS		ACRE		\$ 115.56	\$

CUCUMBERS ARE PACKED AND MARKETING IN 50 POUND CARTONS.
 BUDGET BASED ON A FALL CROP

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.

CUCUMBERS, IRRIGATED
TEXAS WINTER GARDEN 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	3,30	JUNE	1.00	0.263	0.199	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	JUNE	2.20	0.501	0.380	3.62	2.51	0.0	10.43	16.55
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	6.00	2.01	8.09
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.48	1.02	28.00	3.85	34.35
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.23	1.52	15.90	5.24	24.89
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				2.497	2.156	21.04	12.48	49.90	49.47	132.89

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	NOV	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	AUG	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	SEPT	4.00	0.400	0.0	22.40	1.60	10.40	8.16	42.56
WATER APPLICATION	OCT	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		16.00	1.600	0.0	89.60	6.40	10.40	32.64	139.04

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 CUCUMBERS
(DOLLARS)

		5.20	5.85	6.50	7.15	7.80
QUANTITY OF CUCUMBERS	CRTN					
	200.00	-115.99	14.01	144.01	274.01	404.01
	225.00	-92.24	54.01	200.26	346.51	492.76
	250.00	-68.49	94.01	256.51	419.01	581.51
	275.00	-44.74	134.01	312.76	491.51	670.26
	300.00	-20.99	174.01	369.01	564.01	759.01

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

CUCUMBERS (PICKLES) IRRIGATED
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
CUCUMB. PICKLES	105.00	CWT.	7.50	787.50	
TOTAL PROJECTED RETURNS				\$ 787.50	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*CUCUMBER-PCKL SD	2.25	LB.	8.00	18.00	
*NITROGEN (LIQ)	40.00	LB.	0.26	10.40	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	6.00	6.00	
*INSECTICIDE	6.00	APPL	10.00	60.00	
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	
BEEHIVE RENT	0.50	ACRE	15.00	7.50	
*NITROGEN (DRY)	40.00	LB.	0.26	10.40	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		15.63	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		60.00	
REPAIRS-----TRACTOR		ACRE		4.45	
EQUIPMENT		ACRE		2.65	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	2.72	HOUR	5.00	13.62	
IRRIGATION	1.20	HOUR	4.00	4.80	
EQUIPMENT	0.28	HOUR	4.00	1.12	
OTHER	10.00	HOUR	4.00	40.00	
OPERATING CAPITAL	35.45	DOL.	0.125	4.43	
SUBTOTAL, PREHARVEST		ACRE		\$ 305.42	\$
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 725.42	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.91/CWT.	CUCUMB. PICKLES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 62.08	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		31.69	
EQUIPMENT		ACRE		21.85	
IRRIGATION		ACRE		24.48	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 135.51	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 860.93	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 8.20/CWT.	CUCUMB. PICKLES	
6. NET PROJECTED RETURNS		ACRE		\$ -73.43	\$

PRODUCTION VALUE AND HARVESTING EXPENSE BASED ON A WEIGHTED AVERAGE OF 8%#1'S
 13%#2'S, 34%#3'S, NAD 45%#4'S.
 BUDGET BASED ON FALL CROP.

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.

CUCUMBERS (PICKLES) IRRIGATED
TEXAS WINTER GARDEN 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	3,30	AUG	1.00	0.263	0.199	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	AUG	2.20	0.501	0.380	3.62	2.51	0.0	10.43	16.55
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	6.00	2.01	8.09
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.48	1.02	28.00	3.85	34.35
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.23	1.52	18.00	5.24	26.99
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				2.723	2.328	22.63	13.62	52.00	52.77	141.01

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	AUG	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	SEPT	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	OCT	3.00	0.300	0.0	16.80	1.20	10.40	6.12	34.52
WATER APPLICATION	NOV	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		12.00	1.200	0.0	67.20	4.80	10.40	24.48	106.88

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 CUCUMB. PICKLES
(DOLLARS)

		6.00	6.75	7.50	8.25	9.00
CWT.						
QUANTITY OF CUCUMB. PICKLES	84.00	-137.42	-74.42	-11.42	51.58	114.58
	94.50	-116.42	-45.54	25.33	96.21	167.08
	105.00	-95.42	-16.67	62.08	140.83	219.58
	115.50	-74.42	12.21	98.83	185.46	272.08
	126.00	-53.42	41.08	135.58	230.08	324.58

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

LETTUCE, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
LETTUCE	500.00	CRTN	5.50	2750.00	
TOTAL PROJECTED RETURNS				\$ 2750.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*LETTUCE SEED	1.00	LB.	28.00	28.00	
*NITROGEN (LIQ)	150.00	LB.	0.26	39.00	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	9.00	9.00	
*INSECTICIDE	11.00	APPL	8.00	88.00	
*FUNGICIDE	6.00	APPL	5.40	32.40	
PESTICIDE APPLI.	11.00	ACRE	3.50	38.50	
*NITROGEN (DRY)	75.00	LB.	0.26	19.50	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		16.01	
EQUIPMENT		ACRE		1.40	
IRRIGATION		ACRE		60.00	
REPAIRS-----TRACTOR		ACRE		4.44	
EQUIPMENT		ACRE		2.66	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	2.55	HR	5.00	12.73	
IRRIGATION	1.20	HR	4.00	4.80	
EQUIPMENT	0.63	HR	4.00	2.52	
OTHER	12.00	HR	4.00	48.00	
OPERATING CAPITAL	17.76	DOL.	0.125	2.22	
SUBTOTAL, PREHARVEST		ACRE		\$ 433.99	\$
HARVEST COSTS					
HARV,PKG,HAUL	500.00	CRTN	4.25	2125.00	
SUBTOTAL, HARVEST		ACRE		\$ 2125.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2558.99	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.12/CRTN	LETTUCE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 191.01	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		31.65	
EQUIPMENT		ACRE		21.58	
IRRIGATION		ACRE		24.48	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 135.21	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2694.20	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.39/CRTN	LETTUCE	
6. NET PROJECTED RETURNS		ACRE		\$ 55.80	\$

LETTUCE IS PACKED AND MARKETING IN 50 POUND CARTONS.

BUDGET BASED ON A FALL CROP

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.

LETTUCE, IRRIGATED
TEXAS WINTER GARDEN 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	3,30	JULY	1.00	0.263	0.199	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
OFFSET DISC	3,34	AUG	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
STANHAY PLANTER	3,44	OCT	1.00	0.303	0.230	2.23	1.52	28.00	5.24	36.99
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	9.00	2.01	11.09
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.48	1.02	37.10	3.85	43.45
TOTALS				2.547	2.194	22.89	12.73	74.10	51.51	161.24

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	OCT	4.00	0.400	0.0	22.40	1.60	19.50	8.16	51.66
WATER APPLICATION	NOV	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	DEC	4.00	0.400	0.0	22.40	1.60	19.50	8.16	51.66
TOTALS		12.00	1.200	0.0	67.20	4.80	39.00	24.48	135.48

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 LETTUCE (DOLLARS)				
		4.40	4.95	5.50	6.05	6.60
QUANTITY OF LETTUCE	CRTN					
	400.00	-373.99	-153.99	66.01	286.01	506.01
	450.00	-366.49	-118.99	128.51	376.01	623.51
	500.00	-358.99	-83.99	191.01	466.01	741.01
	550.00	-351.49	-48.99	253.51	556.01	858.51
	600.00	-343.99	-13.99	316.01	646.01	976.01

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