

PEANUTS, SPANISH, DRYLAND, TEXAS WINTER GARDEN REGION
 1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPANISH PEANUTS	12.50	CWT.	28.00	350.00	
TOTAL PROJECTED RETURNS				\$ 350.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*PEANUT SEED	50.00	LB.	0.58	29.00	
*NEMATOCIDE	1.00	ACRE	8.60	8.60	
*HERBICIDE	1.00	ACRE	4.10	4.10	
*INSECTICIDE	2.00	APPL	4.10	8.20	
*FUNGICIDE	3.00	APPL	7.00	21.00	
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	
*CUST. PCNB FUNG.	50.00	LB.	0.45	22.50	
FUEL & LUBE--TRACTOR		ACRE		16.93	
EQUIPMENT		ACRE		1.08	
REPAIRS-----TRACTOR		ACRE		4.29	
EQUIPMENT		ACRE		2.96	
LABOR-----MACHINERY	2.44	HOUR	5.00	12.21	
EQUIPMENT	0.49	HOUR	3.80	1.86	
OTHER	2.50	HOUR	3.80	9.50	
OPERATING CAPITAL	22.42	DOL.	0.135	3.03	
SUBTOTAL, PREHARVEST		ACRE		\$ 155.77	\$
HARVEST COSTS					
*CUSTOM HAUL	0.68	TON	7.00	4.76	
*CUSTOM DRYING	0.68	TON	25.00	17.00	
CUSTOM COMBINE	12.50	CWT.	1.50	18.75	
FUEL & LUBE--TRACTOR		ACRE		6.95	
REPAIRS-----TRACTOR		ACRE		1.90	
EQUIPMENT		ACRE		0.89	
LABOR-----MACHINERY	1.08	HOUR	5.00	5.42	
SUBTOTAL, HARVEST		ACRE		\$ 55.66	\$
TOTAL VARIABLE COSTS		ACRE		\$ 211.43	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 16.91/CWT.	SPANISH PEANUTS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 138.57	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		38.78	
EQUIPMENT		ACRE		21.67	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
TOTAL FIXED COSTS		ACRE		\$ 97.95	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 309.39	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 24.75/CWT.	SPANISH PEANUTS	
6. NET PROJECTED RETURNS		ACRE		\$ 40.61	\$

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.

PEANUTS, SPANISH, DRYLAND, TEXAS WINTER GARDEN REGION
1983 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	1,34	SEPT	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
CHISEL PLOW	1,33	OCT	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
MOLDBOARD PLOW	1,32	NOV	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.33	0.76	0.0	1.90	3.98
BEDDER 6R	2,36	FEB	1.00	0.151	0.115	1.33	0.76	0.0	1.90	3.98
BEDDER 6R	2,36	MAR	1.00	0.151	0.115	1.33	0.76	0.0	1.90	3.98
PEANUT PLANTER	2,68	MAR	1.00	0.318	0.241	3.25	1.59	37.60	6.47	48.90
ROLLING CULT 6R	2,38	MAR	1.00	0.216	0.164	1.90	1.08	0.0	3.51	6.48
HERBICIDE SPRAYR	63	MAR	1.00	0.0	0.264	0.08	0.0	4.10	2.13	6.31
CULTIVATOR 6R	2,40	MAR	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.39
CULTIVATOR 6R	2,40	APR	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.39
CULTIVATOR 6R	2,40	MAY	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.39
PEANUT DIG SHK2R	2,66	JULY	1.00	1.084	0.821	9.74	5.42	0.0	11.57	26.72
TOTALS				3.525	2.935	33.75	17.62	41.70	59.05	152.13

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 SPANISH PEANUTS
(DOLLARS)

		22.40	25.20	28.00	30.80	33.60
QUANTITY OF SPANISH PEANUTS	CWT.					
	10.00	20.67	48.67	76.67	104.67	132.67
	11.25	44.62	76.12	107.62	139.12	170.62
	12.50	68.57	103.57	138.57	173.57	208.57
	13.75	92.52	131.02	169.52	208.02	246.52
	15.00	116.46	158.46	200.46	242.46	284.46

SOYBEANS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
SOYBEANS	42.00	BU.	6.25	262.50	_____
TOTAL PROJECTED RETURNS				\$ 262.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SOYBEAN SEED	42.00	LB.	0.32	13.44	_____
*PHOSPHATE	50.00	LB.	0.30	15.00	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	1.00	APPL	7.00	7.00	_____
CUSTOM FERTILIZE	1.00	ACRE	1.80	1.80	_____
PESTICIDE APPLI.	1.00	ACRE	3.50	3.50	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		13.61	_____
EQUIPMENT		ACRE		0.93	_____
IRRIGATION		ACRE		37.92	_____
REPAIRS-----TRACTOR		ACRE		3.12	_____
EQUIPMENT		ACRE		1.78	_____
IRRIGATION		ACRE		9.12	_____
LABOR-----MACHINERY	1.77	HOUR	5.00	8.85	_____
IRRIGATION	1.20	HOUR	3.80	4.56	_____
EQUIPMENT	0.42	HOUR	3.80	1.60	_____
OTHER	3.00	HOUR	3.80	11.40	_____
OPERATING CAPITAL	34.43	DOL.	0.135	4.65	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 142.28	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	42.00	BU.	0.75	31.50	_____
CUSTOM HAUL	42.00	BU.	0.15	6.30	_____
SUBTOTAL, HARVEST		ACRE		\$ 37.80	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 180.08	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.29/BU.	SOYBEANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 82.42	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		23.94	_____
EQUIPMENT		ACRE		16.42	_____
IRRIGATION		ACRE		24.48	_____
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	_____
TOTAL FIXED COSTS		ACRE		\$ 79.84	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 259.92	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.19/BU.	SOYBEANS	
6. NET PROJECTED RETURNS		ACRE		\$ 2.58	\$ _____

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SOYBEANS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1,34	DEC	0.20	0.046	0.035	0.46	0.23	0.0	1.11	1.80
CHISEL PLOW	1,33	DEC	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
HARROW SPIKE	73	DEC	1.00	0.0	0.095	0.01	0.0	0.0	0.84	0.85
LAND PLANE	1,50	DEC	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
HERBICIDE SPRAYR	63	MAR	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
ROLLING CULT 6R	1,38	MAR	1.00	0.216	0.164	2.18	1.08	0.0	4.27	7.53
ROD WEEDER	1,65	MAY	1.00	0.170	0.129	1.65	0.85	0.0	2.57	5.07
PLANTER 6R	1,42	MAY	1.00	0.224	0.170	2.57	1.12	13.44	6.22	23.35
ROLLING CULT 6R	1,38	JUNE	1.00	0.216	0.164	2.18	1.08	0.0	4.27	7.53
ROLLING CULT 6R	1,38	JULY	1.00	0.216	0.164	2.18	1.08	0.0	4.27	7.53
OFFSET DISC	1,34	NOV	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
CHISEL PLOW	1,33	NOV	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
TOTALS				1.770	1.700	18.37	8.85	17.44	39.16	83.81

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	JUNE	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	JULY	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	AUG	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	SEPT	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		12.00	1.200	0.0	47.04	4.56	0.0	24.48	76.08

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 SOYBEANS
(DOLLARS)

QUANTITY OF SOYBEANS	BU.	PRICE OF SOYBEANS (DOLLARS)				
		5.00	5.63	6.25	6.88	7.50
33.60		-4.52	16.48	37.48	58.48	79.48
37.80		12.70	36.33	59.95	83.58	107.20
42.00		29.92	56.17	82.42	108.67	134.92
46.20		47.14	76.02	104.89	133.77	162.64
50.40		64.36	95.86	127.36	158.86	190.36

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

SUNFLOWERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	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.	0.25	12.50	
*HERBICIDE	1.00	ACRE	4.00	4.00	
*INSECTICIDE	3.00	APPL	6.00	18.00	
CUSTOM FERTILIZE	1.00	ACRE	1.80	1.80	
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		4.64	
EQUIPMENT		ACRE		0.46	
IRRIGATION		ACRE		37.92	
REPAIRS-----TRACTOR		ACRE		1.17	
EQUIPMENT		ACRE		1.02	
IRRIGATION		ACRE		9.12	
LABOR-----MACHINERY	0.91	HOURL	5.00	4.53	
IRRIGATION	1.20	HOURL	3.80	4.56	
EQUIPMENT	0.21	HOURL	3.80	0.80	
OPERATING CAPITAL	28.60	DOL.	0.135	3.86	
SUBTOTAL, PREHARVEST		ACRE		\$ 116.88	\$
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		\$ 145.08	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 0.09/LB.		SUNFLOWERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -17.08	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		8.96	
EQUIPMENT		ACRE		10.39	
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		\$ 81.33	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 226.41	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 0.14/LB.		SUNFLOWERS	
6. NET PROJECTED RETURNS		ACRE		\$ -98.41	\$

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SUNFLOWERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1.62	1.14	0.0	4.72	7.49
BEDDER 6R	3,36	MAR	1.00	0.151	0.115	1.07	0.76	0.0	1.88	3.70
CULTIVATOR 6R	3,40	APR	1.00	0.151	0.115	1.05	0.76	0.0	2.30	4.11
PLANTER 6R	3,42	MAY	1.00	0.224	0.170	1.89	1.12	2.00	5.40	10.41
CULTIVATOR 6R	3,40	MAY	1.00	0.151	0.115	1.05	0.76	0.0	2.30	4.11
HERBICIDE SPRAYR	63	MAY	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
TOTALS				0.906	0.950	6.76	4.53	6.00	18.75	36.04

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	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	MAY	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	JUNE	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	JULY	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		12.00	1.200	0.0	47.04	4.56	0.0	24.48	76.08

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)

LB.	PRICE OF SUNFLOWERS (DOLLARS)				
	0.06	0.07	0.08	0.09	0.10
1280.	-62.52	-52.28	-42.04	-31.80	-21.56
1440.	-52.60	-41.08	-29.56	-18.04	-6.52
1600.	-42.68	-29.88	-17.08	-4.28	8.52
1760.	-32.76	-18.68	-4.60	9.48	23.55
1920.	-22.84	-7.48	7.88	23.24	38.59

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
WINTER WHEAT	35.00	BU.	3.36	117.60	
GRAZING	90.00	DAYS	0.50	45.00	
DEFICIENCY PMT.	35.00	BU.	0.65	22.75	
TOTAL PROJECTED RETURNS				\$ 185.35	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*WHEAT SD TREATED	80.00	LB.	0.20	16.00	
*NITROGEN (ANHY)	120.00	LB.	0.14	16.80	
*PHOSPHATE	20.00	LB.	0.30	6.00	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		8.62	
EQUIPMENT		ACRE		1.08	
IRRIGATION		ACRE		37.92	
REPAIRS-----TRACTOR		ACRE		2.18	
EQUIPMENT		ACRE		1.27	
IRRIGATION		ACRE		9.12	
LABOR-----MACHINERY	1.68	HOURL	5.00	8.40	
IRRIGATION	1.20	HOURL	3.80	4.56	
EQUIPMENT	0.49	HOURL	3.80	1.86	
OPERATING CAPITAL	32.36	DOL.	0.135	4.37	
SUBTOTAL, PREHARVEST		ACRE		\$ 131.18	\$
HARVEST COSTS					
CUSTOM HARVEST	35.00	BU.	0.20	7.00	
HAUL WHEAT	35.00	BU.	0.13	4.55	
SUBTOTAL, HARVEST		ACRE		\$ 11.55	\$
TOTAL VARIABLE COSTS		ACRE		\$ 142.73	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 2.14/BU.		WINTER WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 42.62	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		16.62	
EQUIPMENT		ACRE		13.66	
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		\$ 92.26	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 234.99	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 4.78/BU.		WINTER WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -49.64	\$

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WINTER WHEAT, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	JULY	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
LAND PLANE	3,50	JULY	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.63
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
BEDDER 6R	3,36	SEPT	1.00	0.151	0.115	1.07	0.76	0.0	1.88	3.70
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
DRY FERT SPRDER	3,60	SEPT	1.00	0.203	0.154	1.46	1.02	6.00	3.82	12.29
GRAIN DRILL	3,46	OCT	1.00	0.270	0.205	1.99	1.35	16.00	6.13	25.47
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
TOTALS				1.680	1.273	11.89	8.40	38.80	28.87	87.97

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	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	JAN	2.00	0.200	0.0	7.84	0.76	0.0	4.08	12.68
WATER APPLICATION	FEB	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	MAR	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		12.00	1.200	0.0	47.04	4.56	0.0	24.48	76.08

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)

BU.	2.69	3.02	3.36	3.70	4.03
28.00	-1.96	7.45	16.86	26.27	35.67
31.50	8.57	19.15	29.74	40.32	50.91
35.00	19.10	30.86	42.62	54.38	66.14
38.50	29.63	42.56	55.50	68.43	81.37
42.00	40.15	54.27	68.38	82.49	96.60

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
WINTER WHEAT	20.00	BU.	3.36	67.20	_____
GRAZING	45.00	DAYS	0.50	22.50	_____
DEFICIENCY PMT.	20.00	BU.	0.65	13.00	_____
TOTAL PROJECTED RETURNS				\$ 102.70	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*WHEAT SD TREATED	80.00	LB.	0.20	16.00	_____
*NITROGEN (ANHY)	80.00	LB.	0.14	11.20	_____
*PHOSPHATE	20.00	LB.	0.30	6.00	_____
FUEL & LUBE--TRACTOR		ACRE		7.35	_____
EQUIPMENT		ACRE		1.08	_____
REPAIRS-----TRACTOR		ACRE		1.86	_____
EQUIPMENT		ACRE		1.13	_____
LABOR-----MACHINERY	1.43	HOUR	5.00	7.16	_____
EQUIPMENT	0.49	HOUR	3.80	1.86	_____
OPERATING CAPITAL	15.13	DOL.	0.135	2.04	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 55.68	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	15.00	15.00	_____
HAUL WHEAT	20.00	BU.	0.13	2.60	_____
SUBTOTAL, HARVEST		ACRE		\$ 17.60	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 73.28	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.89/BU.	WINTER WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 29.42	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		14.17	_____
EQUIPMENT		ACRE		12.24	_____
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		\$ 60.91	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 134.20	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.93/BU.	WINTER WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -31.50	\$ _____

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WINTER WHEAT, DRYLAND
TEXAS WINTER GARDEN REGION
1983 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	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	JUNE	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	AUG	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.97	0.76	5.60	1.50	8.82
DRY FERT SPRDER	3,60	SEPT	1.00	0.203	0.154	1.46	1.02	6.00	3.82	12.29
GRAIN DRILL	3,46	OCT	1.00	0.270	0.205	1.99	1.35	16.00	6.13	25.47
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	5.60	1.50	8.82
TOTALS				1.433	1.086	10.16	7.16	33.20	25.01	75.53

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)

		2.69	3.02	3.36	3.70	4.03
QUANTITY OF WINTER WHEAT	BU.					
	16.00	3.14	8.52	13.90	19.27	24.65
	18.00	9.56	15.61	21.66	27.70	33.75
	20.00	15.98	22.70	29.42	36.14	42.86
	22.00	22.39	29.78	37.18	44.57	51.96
	24.00	28.81	36.87	44.94	53.00	61.06

SPRING WHEAT, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
SPRING WHEAT	35.00	BU.	3.36	117.60	
DEFICIENCY PMT.	35.00	BU.	0.65	22.75	
TOTAL PROJECTED RETURNS				\$ 140.35	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*WHEAT SD TREATED	80.00	LB.	0.20	16.00	
*NITROGEN (ANHY)	80.00	LB.	0.14	11.20	
*PHOSPHATE	40.00	LB.	0.30	12.00	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	13.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		6.67	
EQUIPMENT		ACRE		1.08	
IRRIGATION		ACRE		41.08	
REPAIRS-----TRACTOR		ACRE		1.69	
EQUIPMENT		ACRE		1.11	
IRRIGATION		ACRE		9.88	
LABOR-----MACHINERY	1.30	HOUR	5.00	6.51	
IRRIGATION	1.30	HOUR	3.80	4.94	
EQUIPMENT	0.49	HOUR	3.80	1.86	
OPERATING CAPITAL	40.06	DOL.	0.135	5.41	
SUBTOTAL, PREHARVEST		ACRE		\$ 132.43	\$
HARVEST COSTS					
CUSTOM HARVEST	35.00	BU.	0.20	7.00	
HAUL WHEAT	35.00	BU.	0.13	4.55	
SUBTOTAL, HARVEST		ACRE		\$ 11.55	\$
TOTAL VARIABLE COSTS		ACRE		\$ 143.98	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.46/BU.	SPRING WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -3.63	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		12.87	
EQUIPMENT		ACRE		11.19	
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		\$ 88.08	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 232.06	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.98/BU.	SPRING WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -91.71	\$

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SPRING WHEAT, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	OCT	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	OCT	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
LAND PLANE	3,50	OCT	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.63
BEDDER 6R	3,36	NOV	1.00	0.151	0.115	1.07	0.76	0.0	1.88	3.70
ANHYDROUS SPRDER	3,61	NOV	1.00	0.151	0.115	0.97	0.76	11.20	1.50	14.42
DRY FERT SPRDER	3,60	NOV	1.00	0.203	0.154	1.46	1.02	12.00	3.82	18.29
GRAIN DRILL	3,46	DEC	1.00	0.270	0.205	1.99	1.35	16.00	6.13	25.47
TOTALS				1.301	0.986	9.30	6.51	39.20	22.65	77.65

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	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	FEB	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	MAR	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	APR	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		13.00	1.300	0.0	50.96	4.94	0.0	26.52	82.42

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)

		2.69	3.02	3.36	3.70	4.03
QUANTITY OF SPRING WHEAT	BU.					
	28.00	-48.21	-38.80	-29.39	-19.98	-10.57
	31.50	-37.68	-27.09	-16.51	-5.93	4.66
	35.00	-27.15	-15.39	-3.63	8.13	19.89
	38.50	-16.62	-3.69	9.25	22.19	35.12
	42.00	-6.09	8.02	22.13	36.24	50.35

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
SPRING WHEAT	20.00	BU.	3.36	67.20	_____
DEFICIENCY PMT.	20.00	BU.	0.65	13.00	_____
TOTAL PROJECTED RETURNS				\$ 80.20	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*WHEAT SD TREATED	60.00	LB.	0.20	12.00	_____
*NITROGEN (ANHY)	40.00	LB.	0.14	5.60	_____
*PHOSPHATE	30.00	LB.	0.30	9.00	_____
FUEL & LUBE---TRACTOR		ACRE		5.41	_____
EQUIPMENT		ACRE		1.08	_____
REPAIRS-----TRACTOR		ACRE		1.37	_____
EQUIPMENT		ACRE		0.97	_____
LABOR-----MACHINERY	1.05	HOUR	5.00	5.27	_____
EQUIPMENT	0.49	HOUR	3.80	1.86	_____
OPERATING CAPITAL	14.33	DOL.	0.135	1.93	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 44.49	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	15.00	15.00	_____
HAUL WHEAT	20.00	BU.	0.13	2.60	_____
SUBTOTAL, HARVEST		ACRE		\$ 17.60	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 62.09	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.45/BU.	SPRING WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 18.11	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		10.42	_____
EQUIPMENT		ACRE		9.77	_____
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		\$ 54.69	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 116.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.19/BU.	SPRING WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -36.58	\$ _____

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SPRING WHEAT, DRYLAND
TEXAS WINTER GARDEN REGION
1983 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	OCT	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	OCT	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
ANHYDROUS SPRDER	3,61	NOV	1.00	0.151	0.115	0.97	0.76	5.60	1.50	8.82
DRY FERT SPRDER	3,60	NOV	1.00	0.203	0.154	1.46	1.02	9.00	3.82	15.29
GRAIN DRILL	3,46	DEC	1.00	0.270	0.205	1.99	1.35	12.00	6.13	21.47
TOTALS				1.054	0.798	7.56	5.27	26.60	18.79	58.22

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)				
		2.69	3.02	3.36	3.70	4.03
QUANTITY OF SPRING WHEAT	BU.					
	16.00	-8.16	-2.78	2.59	7.97	13.35
	18.00	-1.74	4.31	10.35	16.40	22.45
	20.00	4.67	11.39	18.11	24.83	31.55
	22.00	11.09	18.48	25.87	33.27	40.66
	24.00	17.51	25.57	33.63	41.70	49.76

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
 1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
PROC. BEETS #2	6.25	TON	65.00	406.25	
PROC. BEETS #1	2.30	TON	52.00	119.60	
PROC. BEETS #3	1.70	TON	16.50	28.05	
USABLE CULLS	2.75	TON	1.00	2.75	
TOTAL PROJECTED RETURNS				\$ 556.65	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*BEET SEED	18.00	LB.	2.40	43.20	
*NITROGEN (DRY)	24.00	LB.	0.25	6.00	
*NITROGEN (LIQ)	24.00	LB.	0.25	6.00	
*PHOSPHATE	60.00	LB.	0.30	18.00	
*HERBICIDE	1.00	ACRE	20.00	20.00	
*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	2.75	8.25	
FERTILIZER APPLI.	1.00	ACRE	2.50	2.50	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		18.60	
EQUIPMENT		ACRE		0.93	
IRRIGATION		ACRE		37.92	
REPAIRS-----TRACTOR		ACRE		4.48	
EQUIPMENT		ACRE		2.77	
IRRIGATION		ACRE		9.12	
LABOR-----MACHINERY	2.55	HOURL	5.00	12.73	
IRRIGATION	1.20	HOURL	3.80	4.56	
EQUIPMENT	0.42	HOURL	3.80	1.60	
OTHER	7.00	HOURL	3.80	26.60	
OPERATING CAPITAL	38.42	DOL.	0.135	5.19	
SUBTOTAL, PREHARVEST		ACRE		\$ 259.74	\$
HARVEST COSTS					
CUSTOM HARV&HAUL	13.00	TON	8.80	114.40	
SUBTOTAL, HARVEST		ACRE		\$ 114.40	\$
TOTAL VARIABLE COSTS		ACRE		\$ 374.14	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 35.80/TON	PROC. BEETS #2		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 182.50	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		31.74	
EQUIPMENT		ACRE		22.93	
IRRIGATION		ACRE		24.48	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
TOTAL FIXED COSTS		ACRE		\$ 116.65	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 490.80	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 54.46/TON	PROC. BEETS #2		
6. NET PROJECTED RETURNS		ACRE		\$ 65.85	\$
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
1983 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	2.38	1.31	0.0	3.65	7.34
OFFSET DISC	2,34	SEPT	1.20	0.273	0.207	2.42	1.37	0.0	5.70	9.49
MOLDBOARD PLOW	1,32	SEPT	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	SEPT	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
OFFSET DISC	2,34	NOV	1.00	0.228	0.173	2.02	1.14	0.0	4.75	7.91
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	20.00	2.13	22.21
PLANTER 4R	1,41	JAN	1.00	0.303	0.230	3.35	1.52	43.20	7.55	55.62
BED SHAPER 6R	1,48	JAN	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
BEDDER 6R	1,36	FEB	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
CULTIVATOR 4R	1,39	MAR	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
CULTIVATOR 4R	1,39	APR	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
TOTALS				2.545	2.193	25.71	12.73	63.20	53.47	155.10

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	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	FEB	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	MAR	3.00	0.300	0.0	11.76	1.14	6.00	6.12	25.02
WATER APPLICATION	APR	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		12.00	1.200	0.0	47.04	4.56	6.00	24.48	82.08

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)

		52.00	58.50	65.00	71.50	78.00
QUANTITY OF PROC. BEETS #2	TON					
	5.00	29.05	61.55	94.05	126.55	159.05
	5.63	65.15	101.72	138.28	174.84	211.40
	6.25	101.25	141.88	182.50	223.13	263.75
	6.88	137.35	182.04	226.73	271.42	316.10
	7.50	173.45	222.20	270.95	319.70	368.45

CABBAGE, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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.	48.00	72.00	
*NITROGEN (LIQ)	50.00	LB.	0.25	12.50	
*PHOSPHATE	80.00	LB.	0.30	24.00	
*HERBICIDE	1.00	ACRE	8.00	8.00	
*NITROGEN (DRY)	50.00	LB.	0.25	12.50	
*INSECTICIDE	10.00	APPL	8.00	80.00	
*FUNGICIDE	5.00	APPL	7.00	35.00	
PESTICIDE APPLI.	10.00	ACRE	3.50	35.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		18.48	
EQUIPMENT		ACRE		1.08	
IRRIGATION		ACRE		50.56	
REPAIRS-----TRACTOR		ACRE		4.56	
EQUIPMENT		ACRE		2.61	
IRRIGATION		ACRE		12.16	
LABOR-----MACHINERY	2.59	HOUR	5.00	12.96	
IRRIGATION	1.60	HOUR	3.80	6.08	
EQUIPMENT	0.49	HOUR	3.80	1.86	
OTHER	24.00	HOUR	3.80	91.20	
OPERATING CAPITAL	35.10	DOL.	0.135	4.74	
SUBTOTAL, PREHARVEST		ACRE		\$ 485.29	\$
HARVEST COSTS					
HARV, PACK & MKT	550.00	BAG	2.00	1100.00	
SUBTOTAL, HARVEST		ACRE		\$ 1100.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1585.29	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 2.88/BAG		CABBAGE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 339.71	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		31.05	
EQUIPMENT		ACRE		23.31	
IRRIGATION		ACRE		32.64	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 134.50	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1719.79	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 3.13/BAG		CABBAGE	
6. NET PROJECTED RETURNS		ACRE		\$ 205.21	\$

CABBAGE ARE PACKED AND MARKETED IN 50 POUND BAGS.
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.

CABBAGE, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1.19	0.66	0.0	1.82	3.67
OFFSET DISC	2,34	JUNE	1.20	0.273	0.207	2.42	1.37	0.0	5.70	9.49
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
DRY FERT SPRDER	2,60	JUNE	1.00	0.203	0.154	1.81	1.02	36.50	3.84	43.17
OFFSET DISC	2,34	JULY	1.00	0.228	0.173	2.02	1.14	0.0	4.75	7.91
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
CULTIVATOR 4R	1,39	JULY	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
HERBICIDE SPRAYR	63	JULY	1.00	0.0	0.264	0.08	0.0	8.00	2.13	10.21
STANHAY PLANTER	2,44	JULY	1.00	0.303	0.230	2.73	1.52	72.00	5.19	81.44
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
TOTALS				2.592	2.228	25.48	12.96	116.50	52.96	207.89

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	JULY	6.00	0.600	0.0	23.52	2.28	0.0	12.24	38.04
WATER APPLICATION	AUG	6.00	0.600	0.0	23.52	2.28	12.50	12.24	50.54
WATER APPLICATION	SEPT	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
TOTALS		16.00	1.600	0.0	62.72	6.08	12.50	32.64	113.94

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)

BAG	2.80	3.15	3.50	3.85	4.20
440.00	-133.29	20.71	174.71	328.71	482.71
495.00	-89.29	83.96	257.21	430.46	603.70
550.00	-45.29	147.21	339.71	532.21	724.70
605.00	-1.29	210.46	422.21	633.95	845.70
660.00	42.71	273.71	504.71	735.70	966.70

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

CANTALOUPE, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT 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.	0.25	10.00	
*PHOSPHATE	80.00	LB.	0.30	24.00	
*HERBICIDE	1.00	ACRE	6.00	6.00	
*INSECTICIDE	5.00	APPL	5.00	25.00	
*FUNGICIDE	4.00	APPL	4.00	16.00	
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	
BEEHIVE RENT	0.50	ACRE	15.00	7.50	
*NITROGEN (DRY)	60.00	LB.	0.25	15.00	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	15.00	ACIN			
FUEL & LUBE---TRACTOR		ACRE		17.31	
EQUIPMENT		ACRE		1.29	
IRRIGATION		ACRE		47.40	
REPAIRS-----TRACTOR		ACRE		4.25	
EQUIPMENT		ACRE		3.20	
IRRIGATION		ACRE		11.40	
LABOR-----MACHINERY	3.01	HOUR	5.00	15.07	
IRRIGATION	1.50	HOUR	3.80	5.70	
EQUIPMENT	0.59	HOUR	3.80	2.23	
OTHER	18.00	HOUR	3.80	68.40	
OPERATING CAPITAL	49.73	DOL.	0.135	6.71	
SUBTOTAL, PREHARVEST		ACRE		\$ 328.96	\$
HARVEST COSTS					
HARV, PACK & MKT	300.00	CRTN	4.00	1200.00	
SUBTOTAL, HARVEST		ACRE		\$ 1200.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1528.96	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.10/CRTN	CANTALOUPS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 121.04	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.43	
EQUIPMENT		ACRE		29.70	
IRRIGATION		ACRE		30.60	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 140.23	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1669.19	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.56/CRTN	CANTALOUPS	
6. NET PROJECTED RETURNS		ACRE		\$ -19.19	\$

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CANTALOUPE, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1.57	1.13	0.0	3.19	5.90
SHREDDER	3,30	DEC	0.50	0.131	0.100	0.96	0.66	0.0	1.81	3.43
CULTIVATOR 4R	3,39	DEC	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
OFFSET DISC	3,34	JAN	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	JAN	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	50	JAN	0.20	0.0	0.038	0.02	0.0	0.0	0.54	0.56
OFFSET DISC	3,34	FEB	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
BEDDER 6R	1,36	FEB	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	FEB	1.00	0.0	0.264	0.08	0.0	6.00	2.13	8.21
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	39.00	3.82	45.29
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.89	1.12	12.00	5.40	20.41
CULTIVATOR 4R	3,39	APR	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
LAND PLANE	50	MAY	1.00	0.0	0.191	0.11	0.0	0.0	2.69	2.80
ROLLING CULT 4R	3,37	MAY	1.00	0.324	0.246	2.23	1.62	0.0	4.65	8.49
TOTALS				3.013	2.776	24.54	15.07	57.00	60.45	157.05

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	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	MAR	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	APR	4.00	0.400	0.0	15.68	1.52	10.00	8.16	35.36
WATER APPLICATION	MAY	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
TOTALS		15.00	1.500	0.0	58.80	5.70	10.00	30.60	105.10

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 CANTALOUPE
(DOLLARS)

		4.40	4.95	5.50	6.05	6.60
QUANTITY OF CANTALOUPE	CRTN					
	240.00	-232.96	-100.96	31.04	163.04	295.04
	270.00	-220.96	-72.46	76.04	224.54	373.04
	300.00	-208.96	-43.96	121.04	286.04	451.04
	330.00	-196.96	-15.46	166.04	347.54	529.04
	360.00	-184.96	13.04	211.04	409.04	607.04

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

CARROTS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED 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.	0.25	15.00	
*PHOSPHATE	75.00	LB.	0.30	22.50	
*HERBICIDE	2.00	ACRE	7.00	14.00	
*INSECTICIDE	2.00	APPL	6.00	12.00	
*FUNGICIDE	2.00	APPL	4.50	9.00	
PESTICIDE APPLI.	2.00	ACRE	3.50	7.00	
*NITROGEN (DRY)	60.00	LB.	0.25	15.00	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.60	
IRRIGATION		ACRE		56.88	
REPAIRS-----TRACTOR		ACRE		3.55	
EQUIPMENT		ACRE		2.40	
IRRIGATION		ACRE		13.68	
LABOR-----MACHINERY	2.46	HOUR	5.00	12.30	
IRRIGATION	1.80	HOUR	3.80	6.84	
OPERATING CAPITAL	37.97	DOL.	0.135	5.13	
SUBTOTAL, PREHARVEST		ACRE		\$ 230.88	\$
HARVEST COSTS					
HARV, PACK & MKT	350.00	BAG	4.25	1487.50	
SUBTOTAL, HARVEST		ACRE		\$ 1487.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1718.38	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.91/BAG	CARROTS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 556.62	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		27.15	
EQUIPMENT		ACRE		23.53	
IRRIGATION		ACRE		36.72	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 134.90	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1853.28	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.30/BAG	CARROTS	
6. NET PROJECTED RETURNS		ACRE		\$ 421.72	\$

CARROTS ARE PACKED AND MARKETED IN 48 ONE POUND CELLO BAGS

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CARROTS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	7.00	2.13	9.21
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.46	1.02	37.50	3.82	43.79
STANHAY PLANTER	3,44	JULY	1.00	0.303	0.230	2.20	1.52	21.00	5.16	29.88
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	7.00	2.13	9.21
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
TOTALS				2.461	2.393	20.55	12.30	72.50	50.68	156.03

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	23.52	2.28	0.0	12.24	38.04
WATER APPLICATION	AUG	3.00	0.300	0.0	11.76	1.14	15.00	6.12	34.02
WATER APPLICATION	SEPT	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	OCT	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	NOV	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		18.00	1.800	0.0	70.56	6.84	15.00	36.72	129.12

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)

		5.20	5.85	6.50	7.15	7.80
QUANTITY OF CARROTS	BAG					
	280.00	35.12	217.12	399.12	581.12	763.12
	315.00	68.37	273.12	477.87	682.62	887.37
	350.00	101.62	329.12	556.62	784.12	1011.62
	385.00	134.87	385.12	635.37	885.62	1135.87
	420.00	168.12	441.12	714.12	987.12	1260.12

PROCESSED CARROTS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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					
	INPUT USE				
PREHARVEST COSTS					
*CARROT SEED	3.50	LB.	6.00	21.00	_____
*NITROGEN (LIQ)	60.00	LB.	0.25	15.00	_____
*PHOSPHATE	75.00	LB.	0.30	22.50	_____
*HERBICIDE	2.00	ACRE	7.00	14.00	_____
*INSECTICIDE	2.00	APPL	6.00	12.00	_____
*FUNGICIDE	2.00	APPL	4.50	9.00	_____
PESTICIDE APPLI.	2.00	ACRE	3.50	7.00	_____
*NITROGEN (DRY)	60.00	LB.	0.25	15.00	_____
IRRIGATION WATER	18.00	ACIN			_____
FUEL & LUBE---TRACTOR		ACRE		14.60	_____
IRRIGATION		ACRE		56.88	_____
REPAIRS-----TRACTOR		ACRE		3.55	_____
EQUIPMENT		ACRE		2.40	_____
IRRIGATION		ACRE		13.68	_____
LABOR-----MACHINERY	2.46	HOUR	5.00	12.30	_____
IRRIGATION	1.80	HOUR	3.80	6.84	_____
OPERATING CAPITAL	61.19	DOL.	0.135	8.26	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 234.02	\$ _____
HARVEST COSTS					
HARVEST AND HAUL	12.00	TON	9.00	108.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 108.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 342.01	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 29.65/TON	PROC. CARROTS #2	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 274.78	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		27.15	_____
EQUIPMENT		ACRE		23.53	_____
IRRIGATION		ACRE		36.72	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 134.90	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 476.91	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 46.51/TON	PROC. CARROTS #2	
6. NET PROJECTED RETURNS		ACRE		\$ 139.89	\$ _____

YIELD BASED ON 10% #1; 67% #2; 20% #3; AND 3% USABLE CULLS.

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PROCESSED CARROTS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	7.00	2.13	9.21
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.46	1.02	37.50	3.82	43.79
STANHAY PLANTER	3,44	JULY	1.00	0.303	0.230	2.20	1.52	21.00	5.16	29.88
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	7.00	2.13	9.21
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
TOTALS				2.461	2.393	20.55	12.30	72.50	50.68	156.03

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	23.52	2.28	0.0	12.24	38.04
WATER APPLICATION	AUG	3.00	0.300	0.0	11.76	1.14	15.00	6.12	34.02
WATER APPLICATION	SEPT	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	OCT	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	NOV	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		18.00	1.800	0.0	70.56	6.84	15.00	36.72	129.12

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	91.10	132.06	173.02	213.98	254.94
	7.20	131.74	177.82	223.90	269.98	316.06
	8.00	172.38	223.58	274.78	325.98	377.18
	8.80	213.02	269.34	325.66	381.98	438.30
	9.60	253.66	315.10	376.54	437.98	499.42