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**SUNFLOWERS, IRRIGATED**  
 TEXAS WINTER GARDEN REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SUNFLOWERS	1600.00	LB.	0.08	128.00	_____
TOTAL PROJECTED RETURNS				\$ 128.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
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		4.32	_____
EQUIPMENT		ACRE		0.49	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		1.41	_____
EQUIPMENT		ACRE		1.02	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	0.91	HOUR	5.00	4.53	_____
IRRIGATION	1.20	HOUR	4.00	4.80	_____
EQUIPMENT	0.21	HOUR	4.00	0.84	_____
OPERATING CAPITAL	36.42	DOL.	0.145	5.28	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 139.38	\$ _____
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		\$ 167.58	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.10/LB.	SUNFLOWERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -39.58	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		10.91	_____
EQUIPMENT		ACRE		10.53	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 83.92	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 251.50	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.16/LB.	SUNFLOWERS	
6. NET PROJECTED RETURNS		ACRE		\$ -123.50	\$ _____

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.

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SUNFLOWERS, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.60	1.14	0.0	5.25	7.99
BEDDER 6R	3,36	MAR	1.00	0.151	0.115	1.05	0.76	0.0	2.21	4.02
CULTIVATOR 6R	3,40	APR	1.00	0.151	0.115	1.04	0.76	0.0	2.64	4.43
PLANTER 6R	3,42	MAY	1.00	0.224	0.170	1.86	1.12	2.00	5.93	10.91
CULTIVATOR 6R	3,40	MAY	1.00	0.151	0.115	1.04	0.76	0.0	2.64	4.43
HERBICIDE SPRAYR	63	MAY	1.00	0.0	0.264	0.08	0.0	4.00	2.16	6.24
TOTALS				0.906	0.950	6.67	4.53	6.00	20.83	38.03

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	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)

LB.	0.06	0.07	0.08	0.09	0.10
1280.	-85.02	-74.78	-64.54	-54.30	-44.06
1440.	-75.10	-63.58	-52.06	-40.54	-29.02
1600.	-65.18	-52.38	-39.58	-26.78	-13.98
1760.	-55.26	-41.18	-27.10	-13.02	1.06
1920.	-45.34	-29.98	-14.62	0.74	16.10

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

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**WINTER WHEAT, IRRIGATED**  
**TEXAS WINTER GARDEN REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WINTER WHEAT	35.00	BU.	3.30	115.50	_____
GRAZING	90.00	DAYS	0.50	45.00	_____
DEFICIENCY PMT.	35.00	BU.	1.08	37.80	_____
TOTAL PROJECTED RETURNS				\$ 198.30	\$ _____
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. CROP INS.	1.00	ACRE	5.20	5.20	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		7.07	_____
EQUIPMENT		ACRE		1.14	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		2.30	_____
EQUIPMENT		ACRE		1.25	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.48	HOUR	5.00	7.41	_____
IRRIGATION	1.20	HOUR	4.00	4.80	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	31.65	DOL.	0.145	4.59	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 137.52	\$ _____
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		\$ 160.27	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.21/BU.	WINTER WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 38.03	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		17.85	_____
EQUIPMENT		ACRE		9.29	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 89.62	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 249.88	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.77/BU.	WINTER WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -51.58	\$ _____

+ RISK INSURANCE: 65% AT \$3.75/BUSHEL.

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WINTER WHEAT, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.49	1.01	0.0	3.06	5.57
FIELD CULTIVATOR	3,43	JULY	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
LAND PLANE	3,50	JULY	0.20	0.050	0.038	0.34	0.25	0.0	1.15	1.74
FIELD CULTIVATOR	3,43	SEPT	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
BEDDER 6R	3,36	SEPT	1.00	0.151	0.115	1.05	0.76	0.0	2.21	4.02
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
DRY FERT SPRDER	3,60	SEPT	1.00	0.203	0.154	1.44	1.02	8.80	4.28	15.53
GRAIN DRILL	3,46	OCT	1.00	0.270	0.205	1.97	1.35	10.20	6.76	20.27
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
TOTALS				1.482	1.122	10.44	7.41	34.60	25.71	78.16

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

QUANTITY OF WINTER WHEAT	PRICE OF WINTER WHEAT (DOLLARS)				
	2.64	2.97	3.30	3.63	3.96
28.00 BU.	-10.06	-0.82	8.42	17.66	26.90
31.50	2.44	12.83	23.23	33.62	44.02
35.00	14.93	26.48	38.03	49.58	61.13
38.50	27.43	40.13	52.84	65.54	78.25
42.00	39.92	53.78	67.64	81.50	95.36

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

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**WINTER WHEAT, DRYLAND**  
**TEXAS WINTER GARDEN REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WINTER WHEAT	20.00	BU.	3.30	66.00	_____
GRAZING	45.00	DAYS	0.50	22.50	_____
DEFICIENCY PMT.	20.00	BU.	1.08	21.60	_____
TOTAL PROJECTED RETURNS				\$ 110.10	\$ _____
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. CROP INS.	1.00	ACRE	5.20	5.20	_____
FUEL & LUBE--TRACTOR		ACRE		6.11	_____
EQUIPMENT		ACRE		1.14	_____
REPAIRS-----TRACTOR		ACRE		1.99	_____
EQUIPMENT		ACRE		1.13	_____
LABOR-----MACHINERY	1.28	HOUR	5.00	6.40	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	12.00	DOL.	0.145	1.74	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 50.27	\$ _____
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		\$ 70.77	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.33/BU.	WINTER WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 39.33	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.42	_____
EQUIPMENT		ACRE		8.35	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.30	ACRE	16.00	4.80	_____
TOTAL FIXED COSTS		ACRE		\$ 58.57	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 129.34	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.26/BU.	WINTER WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -19.24	\$ _____

+ RISK INSURANCE: 65% AT \$3.75/BUSHEL.

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WINTER WHEAT, DRYLAND  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.49	1.01	0.0	3.06	5.57
FIELD CULTIVATOR	3,43	JUNE	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
FIELD CULTIVATOR	3,43	AUG	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.96	0.76	3.90	1.82	7.43
DRY FERT SPRDER	3,60	SEPT	1.00	0.203	0.154	1.44	1.02	6.60	4.28	13.33
GRAIN DRILL	3,46	OCT	1.00	0.270	0.205	1.97	1.35	10.20	6.76	20.27
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	3.90	1.82	7.43
TOTALS				1.280	0.970	9.05	6.40	24.60	22.35	62.39

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES  
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF WINTER WHEAT	BU.	PRICE OF WINTER WHEAT (DOLLARS)				
		2.64	2.97	3.30	3.63	3.96
16.00		11.85	17.13	22.41	27.69	32.97
18.00		18.99	24.93	30.87	36.81	42.75
20.00		26.13	32.73	39.33	45.93	52.53
22.00		33.27	40.53	47.79	55.05	62.31
24.00		40.41	48.33	56.25	64.17	72.09

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**SPRING WHEAT, IRRIGATED**  
 TEXAS WINTER GARDEN REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPRING WHEAT	35.00	BU.	3.30	115.50	_____
DEFICIENCY PMT.	35.00	BU.	1.08	37.80	_____
TOTAL PROJECTED RETURNS				\$ 153.30	\$ _____
2. VARIABLE COSTS					
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. CROP INS.	1.00	ACRE	5.20	5.20	_____
IRRIGATION WATER	13.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		6.35	_____
EQUIPMENT		ACRE		1.14	_____
IRRIGATION		ACRE		65.00	_____
REPAIRS-----TRACTOR		ACRE		2.07	_____
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	40.46	DOL.	0.145	5.87	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 141.28	\$ _____
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		\$ 164.03	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.61/BU.		SPRING WHEAT
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -10.73	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		16.02	_____
EQUIPMENT		ACRE		9.29	_____
IRRIGATION		ACRE		26.52	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 89.84	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 253.87	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.17/BU.		SPRING WHEAT
6. NET PROJECTED RETURNS		ACRE		\$ -100.57	\$ _____

+ RISK INSURANCE: 65% AT \$3.75/BUSHEL.

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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	1.49	1.01	0.0	3.06	5.57
FIELD CULTIVATOR	3,43	AUG	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
FIELD CULTIVATOR	3,43	OCT	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
LAND PLANE	3,50	OCT	0.20	0.050	0.038	0.34	0.25	0.0	1.15	1.74
BEDDER 6R	3,36	NOV	1.00	0.151	0.115	1.05	0.76	0.0	2.21	4.02
ANHYDROUS SPRDER	3,61	NOV	1.00	0.151	0.115	0.96	0.76	10.40	1.82	13.93
DRY FERT SPRDER	3,60	NOV	1.00	0.203	0.154	1.44	1.02	8.80	4.28	15.53
GRAIN DRILL	3,46	DEC	1.00	0.270	0.205	1.97	1.35	13.60	6.76	23.67
<b>TOTALS</b>				<b>1.330</b>	<b>1.008</b>	<b>9.48</b>	<b>6.65</b>	<b>32.80</b>	<b>23.89</b>	<b>72.82</b>

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
<b>TOTALS</b>		<b>13.00</b>	<b>1.300</b>	<b>0.0</b>	<b>72.80</b>	<b>5.20</b>	<b>0.0</b>	<b>26.52</b>	<b>104.52</b>

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)

BU.	2.64	2.97	3.30	3.63	3.96
28.00	-58.82	-49.58	-40.34	-31.10	-21.86
31.50	-46.33	-35.93	-25.54	-15.14	-4.75
35.00	-33.83	-22.28	-10.73	0.82	12.37
38.50	-21.34	-8.63	4.07	16.78	29.48
42.00	-8.84	5.02	18.88	32.74	46.60

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  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPRING WHEAT	20.00	BU.	3.30	66.00	_____
DEFICIENCY PMT.	20.00	BU.	1.08	21.60	_____
TOTAL PROJECTED RETURNS				\$ 87.60	\$ _____
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. CROP INS.	1.00	ACRE	5.20	5.20	_____
FUEL & LUBE--TRACTOR		ACRE		5.38	_____
EQUIPMENT		ACRE		1.14	_____
REPAIRS-----TRACTOR		ACRE		1.75	_____
EQUIPMENT		ACRE		1.13	_____
LABOR-----MACHINERY	1.13	HOUR	5.00	5.64	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	15.96	DOL.	0.145	2.31	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 46.53	\$ _____
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		\$ 67.03	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.27/BU.		SPRING WHEAT
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 20.57	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		13.60	_____
EQUIPMENT		ACRE		8.35	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.30	ACRE	16.00	4.80	_____
TOTAL FIXED COSTS		ACRE		\$ 56.75	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 123.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.11/BU.		SPRING WHEAT
6. NET PROJECTED RETURNS		ACRE		\$ -36.18	\$ _____

+ RISK INSURANCE: 65% AT \$3.75/BUSHEL.

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.

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SPRING WHEAT, DRYLAND  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.49	1.01	0.0	3.06	5.57
FIELD CULTIVATOR	3,43	AUG	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
FIELD CULTIVATOR	3,43	OCT	1.00	0.151	0.115	1.12	0.76	0.0	2.30	4.18
ANHYDROUS SPRDER	3,61	NOV	1.00	0.151	0.115	0.96	0.76	5.20	1.82	8.73
DRY FERT SPRDER	3,60	NOV	1.00	0.203	0.154	1.44	1.02	6.60	4.28	13.33
GRAIN DRILL	3,46	DEC	1.00	0.270	0.205	1.97	1.35	10.20	6.76	20.27
TOTALS				1.129	0.855	8.09	5.64	22.00	20.52	56.26

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES  
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF SPRING WHEAT	BU.	PRICE OF SPRING WHEAT (DOLLARS)				
		2.64	2.97	3.30	3.63	3.96
16.00		-6.91	-1.63	3.65	8.93	14.21
18.00		0.23	6.17	12.11	18.05	23.99
20.00		7.37	13.97	20.57	27.17	33.77
22.00		14.51	21.77	29.03	36.29	43.55
24.00		21.65	29.57	37.49	45.41	53.33

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

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**PROCESSED BEETS (IRRIGATED)**  
**TEXAS WINTER GARDEN REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
<b>1. GROSS RECEIPTS</b>					
PROC. BEETS #1	2.30	TON	70.00	161.00	_____
PROC. BEETS #2	6.25	TON	60.00	375.00	_____
PROC. BEETS #3	1.70	TON	10.00	17.00	_____
USABLE CULLS	2.75	TON	1.00	2.75	_____
<b>TOTAL PROJECTED RETURNS</b>				<b>\$ 555.75</b>	<b>\$ _____</b>
<b>2. VARIABLE COSTS</b>					
<b>PREHARVEST COSTS</b>					
*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	22.00	22.00	_____
*BORON	2.00	ACRE	2.75	5.50	_____
BORON APPLICAT.	2.00	ACRE	3.00	6.00	_____
*FUNGICIDE	3.00	ACRE	7.00	21.00	_____
FUNGICIDE APPLI.	3.00	ACRE	2.90	8.70	_____
FERTILIZER APPLI	1.00	ACRE	1.80	1.80	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		17.30	_____
EQUIPMENT		ACRE		0.98	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		5.39	_____
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	50.18	DOL.	0.145	7.28	_____
<b>SUBTOTAL, PREHARVEST</b>		ACRE		<b>\$ 292.80</b>	<b>\$ _____</b>
<b>HARVEST COSTS</b>					
CUSTOM HARV&HAUL	13.00	TON	11.00	143.00	_____
<b>SUBTOTAL, HARVEST</b>		ACRE		<b>\$ 143.00</b>	<b>\$ _____</b>
<b>TOTAL VARIABLE COSTS</b>		ACRE		<b>\$ 435.80</b>	<b>\$ _____</b>
<b>BREAK-EVEN PRICE, VARIABLE COSTS</b>			<b>\$ 17.85/TON</b>	<b>PROC. BEETS #1</b>	
<b>3. INCOME ABOVE VARIABLE COSTS</b>		ACRE		<b>\$ 119.94</b>	<b>\$ _____</b>
<b>4. FIXED COSTS</b>					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		38.62	_____
EQUIPMENT		ACRE		23.24	_____
IRRIGATION		ACRE		24.48	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
<b>TOTAL FIXED COSTS</b>		ACRE		<b>\$ 144.34</b>	<b>\$ _____</b>
<b>5. TOTAL PROJECTED COSTS</b>		ACRE		<b>\$ 580.14</b>	<b>\$ _____</b>
<b>BREAK-EVEN PRICE, TOTAL COSTS</b>			<b>\$ 80.60/TON</b>	<b>PROC. BEETS #1</b>	
<b>6. NET PROJECTED RETURNS</b>		ACRE		<b>\$ -24.39</b>	<b>\$ _____</b>

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  
 1985 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	2.36	1.31	0.0	4.25	7.92
OFFSET DISC	2,34	SEPT	1.20	0.273	0.207	2.40	1.37	0.0	6.35	10.12
MOLDBOARD PLOW	1,32	SEPT	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	SEPT	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
OFFSET DISC	2,34	NOV	1.00	0.228	0.173	2.00	1.14	0.0	5.29	8.43
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	22.00	2.16	24.24
PLANTER 4R	1,41	JAN	1.00	0.303	0.230	3.30	1.52	54.00	8.47	67.29
BED SHAPER 6R	1,48	JAN	1.00	0.252	0.191	2.45	1.26	0.0	4.93	8.64
BEDDER 6R	1,36	FEB	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
CULTIVATOR 4R	1,39	MAR	1.00	0.227	0.172	2.22	1.13	0.0	4.69	8.04
CULTIVATOR 4R	1,39	APR	1.00	0.227	0.172	2.22	1.13	0.0	4.69	8.04
TOTALS				2.545	2.193	25.31	12.73	76.00	60.63	174.67

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

QUANTITY OF PROC. BEETS #1	PRICE OF PROC. BEETS #1 (DOLLARS)				
	56.00	63.00	70.00	77.00	84.00
TON					
1.84	11.64	24.51	37.40	50.28	63.16
2.07	49.69	64.18	78.67	93.16	107.65
2.30	87.74	103.84	119.94	136.04	152.14
2.53	125.80	143.51	161.22	178.93	196.64
2.76	163.85	183.17	202.49	221.81	241.13

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**CABBAGE, IRRIGATED**  
**TEXAS WINTER GARDEN REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CABBAGE	550.00	BAG	3.50	1925.00	_____
TOTAL PROJECTED RETURNS				\$ 1925.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CABBAGE SEED	1.50	LB.	68.00	102.00	_____
*NITROGEN (LIQ)	50.00	LB.	0.26	13.00	_____
*PHOSPHATE	80.00	LB.	0.22	17.60	_____
*HERBICIDE	1.00	ACRE	8.50	8.50	_____
*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		17.19	_____
EQUIPMENT		ACRE		1.14	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		5.49	_____
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	70.69	DOL.	0.145	10.25	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 622.70	\$ _____
HARVEST COSTS					
HARV, PACK & MKT	550.00	BAG	2.10	1155.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1155.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1777.70	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.23/BAG	CABBAGE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 147.30	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		37.82	_____
EQUIPMENT		ACRE		23.62	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 152.08	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1929.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 3.51/BAG	CABBAGE	
6. NET PROJECTED RETURNS		ACRE		\$ -4.78	\$ _____

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

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CABBAGE, IRRIGATED  
TEXAS WINTER GARDEN REGION  
1985 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	1.18	0.66	0.0	2.13	3.96
OFFSET DISC	2,34	JUNE	1.20	0.273	0.207	2.40	1.37	0.0	6.35	10.12
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
DRY FERT SPRDER	2,60	JUNE	1.00	0.203	0.154	1.80	1.02	30.60	4.32	37.73
OFFSET DISC	2,34	JULY	1.00	0.228	0.173	2.00	1.14	0.0	5.29	8.43
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
CULTIVATOR 4R	1,39	JULY	1.00	0.227	0.172	2.22	1.13	0.0	4.69	8.04
HERBICIDE SPRAYR	63	JULY	1.00	0.0	0.264	0.08	0.0	8.50	2.16	10.74
STANHAY PLANTER	2,44	JULY	1.00	0.303	0.230	2.71	1.52	102.00	5.90	112.12
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.22	1.13	0.0	4.69	8.04
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.22	1.13	0.0	4.69	8.04
TOTALS				2.592	2.228	25.11	12.96	141.10	60.01	239.18

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	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

QUANTITY OF CABBAGE	PRICE OF CABBAGE (DOLLARS)				
	2.80	3.15	3.50	3.85	4.20
440.00	-314.69	-160.69	-6.70	147.30	301.30
495.00	-276.19	-102.94	70.30	243.55	416.80
550.00	-237.69	-45.19	147.30	339.80	532.30
605.00	-199.19	12.56	224.30	436.05	647.80
660.00	-160.69	70.31	301.30	532.30	763.30

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

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**CANTALOUPE, IRRIGATED**  
**TEXAS WINTER GARDEN REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
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	12.00	12.00	_____
*INSECTICIDE	5.00	APPL	7.50	37.50	_____
*FUNGICIDE	4.00	APPL	7.00	28.00	_____
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	_____
BEEHIVE RENT	0.50	ACRE	15.00	7.50	_____
*NITROGEN (DRY)	60.00	LB.	0.26	15.60	_____
IRRIGATION WATER	15.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		16.10	_____
EQUIPMENT		ACRE		1.37	_____
IRRIGATION		ACRE		75.00	_____
REPAIRS-----TRACTOR		ACRE		5.09	_____
EQUIPMENT		ACRE		3.20	_____
IRRIGATION		ACRE		9.00	_____
LABOR-----MACHINERY	3.01	HOUR	5.00	15.07	_____
IRRIGATION	1.50	HOUR	4.00	6.00	_____
EQUIPMENT	0.59	HOUR	4.00	2.35	_____
OTHER	18.00	HOUR	4.00	72.00	_____
OPERATING CAPITAL	65.55	DOL.	0.145	9.50	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 372.77	\$ _____
HARVEST COSTS					
HARV, PACK & MKT	300.00	CRTN	4.25	1275.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1275.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1647.77	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.49/CRTN		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 2.23	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		39.46	_____
EQUIPMENT		ACRE		30.10	_____
IRRIGATION		ACRE		30.60	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 158.16	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1805.93	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.02/CRTN		
6. NET PROJECTED RETURNS		ACRE		\$ -155.93	\$ _____

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CANTALOUPE, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.55	1.13	0.0	3.70	6.38
SHREDDER	3,30	DEC	0.50	0.131	0.100	0.95	0.66	0.0	2.10	3.70
CULTIVATOR 4R	3,39	DEC	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
OFFSET DISC	3,34	JAN	1.20	0.273	0.207	1.92	1.37	0.0	6.30	9.58
MOLDBOARD PLOW	1,32	JAN	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	50	JAN	0.20	0.0	0.038	0.02	0.0	0.0	0.54	0.57
OFFSET DISC	3,34	FEB	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
BEDDER 6R	1,36	FEB	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
HERBICIDE SPRAYR	63	FEB	1.00	0.0	0.264	0.08	0.0	12.00	2.16	14.24
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.44	1.02	33.20	4.28	39.93
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.86	1.12	12.00	5.93	20.91
CULTIVATOR 4R	3,39	APR	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
LAND PLANE	50	MAY	1.00	0.0	0.191	0.11	0.0	0.0	2.72	2.83
ROLLING CULT 4R	3,37	MAY	1.00	0.324	0.246	2.19	1.62	0.0	5.36	9.18
TOTALS				3.013	2.776	24.17	15.07	57.20	67.85	164.28

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

QUANTITY OF CANTALOUPS	PRICE OF CANTALOUPS (DOLLARS)				
	4.40	4.95	5.50	6.05	6.60
CRTN					
240.00	-336.77	-204.77	-72.77	59.23	191.23
270.00	-332.27	-183.77	-35.27	113.23	261.73
300.00	-327.77	-162.77	2.23	167.23	332.23
330.00	-323.27	-141.77	39.73	221.23	402.73
360.00	-318.77	-120.77	77.23	275.23	473.23

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



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**CARROTS, IRRIGATED**  
 TEXAS WINTER GARDEN REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
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.	5.50	19.25	_____
*NITROGEN (LIQ)	60.00	LB.	0.26	15.60	_____
*PHOSPHATE	75.00	LB.	0.22	16.50	_____
*HERBICIDE	2.00	ACRE	15.00	30.00	_____
*INSECTICIDE	2.00	APPL	6.50	13.00	_____
*FUNGICIDE	2.00	APPL	7.00	14.00	_____
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		13.58	_____
IRRIGATION		ACRE		90.00	_____
REPAIRS-----TRACTOR		ACRE		4.26	_____
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	66.23	DDL.	0.145	9.60	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 281.09	\$ _____
HARVEST COSTS					
HARV, PACK & MKT	350.00	BAG	4.50	1575.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 1575.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1856.09	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.30/BAG	CARROTS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 418.91	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.02	_____
EQUIPMENT		ACRE		23.84	_____
IRRIGATION		ACRE		36.72	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 151.58	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2007.68	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.74/BAG	CARROTS	
6. NET PROJECTED RETURNS		ACRE		\$ 267.32	\$ _____

CARROTS ARE PACKED AND MARKETED 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.

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CARROTS, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.92	1.37	0.0	6.30	9.58
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	15.00	2.16	17.24
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.44	1.02	32.10	4.28	38.83
STANHAY PLANTER	3,44	JULY	1.00	0.303	0.230	2.17	1.52	19.25	5.84	28.78
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	15.00	2.16	17.24
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
TOTALS				2.461	2.393	20.24	12.30	81.35	56.86	170.75

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

QUANTITY OF CARROTS	BAG	PRICE OF CARROTS (DOLLARS)				
		5.20	5.85	6.50	7.15	7.80
280.00		-85.09	96.91	278.91	460.91	642.91
315.00		-60.59	144.16	348.91	553.66	758.41
350.00		-36.09	191.41	418.91	646.41	873.91
385.00		-11.59	238.66	488.91	739.16	989.41
420.00		12.91	285.91	558.91	831.91	1104.91

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

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**PROCESSED CARROTS, IRRIGATED**  
**TEXAS WINTER GARDEN REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
PROC. CARROTS #1	2.40	TON	64.00	153.60	_____
PROC. CARROTS #2	8.00	TON	36.00	288.00	_____
PROC. CARROTS #3	1.20	TON	15.00	18.00	_____
CARROT CULLS	0.40	TON	1.00	0.40	_____
TOTAL PROJECTED RETURNS				\$ 460.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*CARROT SEED	3.50	LB.	5.50	19.25	_____
*NITROGEN (LIQ)	60.00	LB.	0.26	15.60	_____
*PHOSPHATE	75.00	LB.	0.22	16.50	_____
*HERBICIDE	2.00	ACRE	15.00	30.00	_____
*INSECTICIDE	2.00	APPL	6.50	13.00	_____
*FUNGICIDE	2.00	APPL	7.00	14.00	_____
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		13.58	_____
IRRIGATION		ACRE		90.00	_____
REPAIRS-----TRACTOR		ACRE		4.26	_____
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	97.23	DOL.	0.145	14.10	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 285.59	\$ _____
HARVEST COSTS					
HARVEST AND HAUL	12.00	TON	11.00	132.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 132.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 417.59	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 46.33/TON	PRDC. CARROTS #1	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 42.41	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.02	_____
EQUIPMENT		ACRE		23.84	_____
IRRIGATION		ACRE		36.72	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 151.58	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 569.17	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$109.49/TON	PRDC. CARROTS #1	
6. NET PROJECTED RETURNS		ACRE		\$ -109.17	\$ _____

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

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.

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PROCESSED CARROTS, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.92	1.37	0.0	6.30	9.58
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	15.00	2.16	17.24
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
BEDDER 6R	1,36	JULY	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.44	1.02	32.10	4.28	38.83
STANHAY PLANTER	3,44	JULY	1.00	0.303	0.230	2.17	1.52	19.25	5.84	28.78
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	15.00	2.16	17.24
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
<b>TOTALS</b>				<b>2.461</b>	<b>2.393</b>	<b>20.24</b>	<b>12.30</b>	<b>81.35</b>	<b>56.86</b>	<b>170.75</b>

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
<b>TOTALS</b>		<b>18.00</b>	<b>1.800</b>	<b>0.0</b>	<b>100.80</b>	<b>7.20</b>	<b>15.60</b>	<b>36.72</b>	<b>160.32</b>

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES  
 ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF PROC. CARROTS #1	PRICE OF PROC. CARROTS #1 (DOLLARS)				
	51.20	57.60	64.00	70.40	76.80
TON					
1.92	-47.76	-35.47	-23.19	-10.90	1.39
2.16	-18.03	-4.21	9.61	23.44	37.26
2.40	11.69	27.05	42.41	57.77	73.13
2.64	41.42	58.32	75.21	92.11	109.01
2.88	71.15	89.58	108.01	126.45	144.88

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

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**CUCUMBERS, IRRIGATED**  
**TEXAS WINTER GARDEN REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CUCUMBERS	250.00	CRTN	6.50	1625.00	_____
TOTAL PROJECTED RETURNS				\$ 1625.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*CUCUMBER SEED	3.00	LB.	6.50	19.50	_____
*NITROGEN (LIQ)	40.00	LB.	0.26	10.40	_____
*PHOSPHATE	80.00	LB.	0.22	17.60	_____
*HERBICIDE	1.00	ACRE	8.00	8.00	_____
*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		13.75	_____
EQUIPMENT		ACRE		1.14	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		4.32	_____
EQUIPMENT		ACRE		2.61	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	2.50	HOUR	5.00	12.48	_____
IRRIGATION	1.60	HOUR	4.00	6.40	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OTHER	10.00	HOUR	4.00	40.00	_____
OPERATING CAPITAL	25.15	DOL.	0.145	3.65	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 311.81	\$ _____
HARVEST COSTS					
HRV,PKG,MKT	250.00	CRTN	4.25	1062.50	_____
SUBTOTAL, HARVEST		ACRE		\$ 1062.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1374.31	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.50/CRTN	CUCUMBERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 250.69	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.45	_____
EQUIPMENT		ACRE		23.18	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 147.27	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 1521.58	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.09/CRTN	CUCUMBERS	
6. NET PROJECTED RETURNS		ACRE		\$ 103.42	\$ _____

CUCUMBERS ARE PACKED AND MARKETED 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.

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CUCUMBERS, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.89	1.31	0.0	4.20	7.41
OFFSET DISC	3,34	JUNE	2.20	0.501	0.380	3.52	2.51	0.0	11.54	17.57
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	8.00	2.16	10.24
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.44	1.02	28.00	4.28	34.73
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.17	1.52	19.50	5.84	29.03
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
TOTALS				2.497	2.156	20.50	12.48	55.50	55.20	143.69

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

QUANTITY OF CUCUMBERS	CRTN	PRICE OF CUCUMBERS (DOLLARS)				
		5.20	5.85	6.50	7.15	7.80
200.00		-121.81	8.19	138.19	268.19	398.19
225.00		-98.06	48.19	194.44	340.69	486.94
250.00		-74.31	88.19	250.69	413.19	575.69
275.00		-50.56	128.19	306.94	485.69	664.44
300.00		-26.81	168.19	363.19	558.19	753.19

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

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**CUCUMBERS (PICKLES) IRRIGATED**  
**TEXAS WINTER GARDEN REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CUCUMB. PICKLES	105.00	CWT.	7.50	787.50	_____
TOTAL PROJECTED RETURNS				\$ 787.50	\$ _____
2. VARIABLE COSTS					
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	8.00	8.00	_____
*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		14.83	_____
EQUIPMENT		ACRE		0.65	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		4.67	_____
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	35.95	DOL.	0.145	5.21	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 307.65	\$ _____
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 727.65	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.93/CWT.	CUCUMB. PICKLES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 59.85	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		36.19	_____
EQUIPMENT		ACRE		23.53	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 142.19	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 869.85	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 8.28/CWT.	CUCUMB. PICKLES	
6. NET PROJECTED RETURNS		ACRE		\$ -82.35	\$ _____

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  
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 EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

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CUCUMBERS (PICKLES) IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.89	1.31	0.0	4.20	7.41
OFFSET DISC	3,34	AUG	2.20	0.501	0.380	3.52	2.51	0.0	11.54	17.57
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	8.00	2.16	10.24
DRY FERT SPRDR	3,60	AUG	1.00	0.203	0.154	1.44	1.02	28.00	4.28	34.73
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.17	1.52	18.00	5.84	27.53
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.55	1.13	0.0	3.70	6.38
TOTALS				2.723	2.328	22.05	13.62	54.00	58.90	148.57

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

CWT.	PRICE OF CUCUMB. PICKLES (DOLLARS)				
	6.00	6.75	7.50	8.25	9.00
84.00	-139.65	-76.65	-13.65	49.35	112.35
94.50	-118.65	-47.78	23.10	93.97	164.85
105.00	-97.65	-18.90	59.85	138.60	217.35
115.50	-76.65	9.97	96.60	183.22	269.85
126.00	-55.65	38.85	133.35	227.85	322.35

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



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**LETTUCE, IRRIGATED**  
 TEXAS WINTER GARDEN REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
LETTUCE	500.00	CRTN	5.50	2750.00	_____
TOTAL PROJECTED RETURNS				\$ 2750.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*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		15.19	_____
EQUIPMENT		ACRE		1.47	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		4.68	_____
EQUIPMENT		ACRE		2.66	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	2.55	HOUR	5.00	12.73	_____
IRRIGATION	1.20	HOUR	4.00	4.80	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OTHER	12.00	HOUR	4.00	48.00	_____
OPERATING CAPITAL	17.56	DOL.	0.145	2.55	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 433.80	\$ _____
HARVEST COSTS					
HARV,PKG,HAUL	500.00	CRTN	4.25	2125.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 2125.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2558.80	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.12/CRTN	LETTUCE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 191.20	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		36.27	_____
EQUIPMENT		ACRE		23.23	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 141.98	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2700.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.40/CRTN	LETTUCE	
6. NET PROJECTED RETURNS		ACRE		\$ 49.22	\$ _____

LETTUCE IS PACKED AND MARKETED 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.

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LETTUCE, IRRIGATED  
 TEXAS WINTER GARDEN REGION  
 1985 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	1.89	1.31	0.0	4.20	7.41
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
OFFSET DISC	3,34	AUG	1.20	0.273	0.207	1.92	1.37	0.0	6.30	9.58
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.50	0.76	0.0	2.88	5.13
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.45	1.26	0.0	4.93	8.64
STANHAY PLANTER	3,44	OCT	1.00	0.303	0.230	2.17	1.52	28.00	5.84	37.53
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.45	1.26	0.0	4.93	8.64
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	9.00	2.16	11.24
DRY FERT SPRDR	3,60	OCT	1.00	0.203	0.154	1.44	1.02	37.10	4.28	43.83
TOTALS				2.547	2.194	22.31	12.73	74.10	57.67	166.81

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	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

QUANTITY OF LETTUCE	CRTN	PRICE OF LETTUCE (DOLLARS)				
		4.40	4.95	5.50	6.05	6.60
400.00		-373.80	-153.80	66.20	286.20	506.20
450.00		-366.30	-118.80	128.70	376.20	623.70
500.00		-358.80	-83.80	191.20	466.20	741.20
550.00		-351.30	-48.80	253.70	556.20	858.70
600.00		-343.80	-13.80	316.20	646.20	976.20

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