

CUCUMBERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CUCUMBERS	250.00	CRTN	6.50	1625.00	
TOTAL PROJECTED RETURNS				\$ 1625.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*CUCUMBER SEED	3.00	LB.	8.00	24.00	
*NITROGEN (LIQ)	40.00	LB.	0.23	9.20	
*PHOSPHATE	80.00	LB.	0.32	25.60	
*HERBICIDE	1.00	ACRE	4.00	4.00	
*INSECTICIDE	1.00	APPL	7.50	7.50	
*FUNGICIDE	5.00	APPL	6.00	30.00	
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	
HAIL INSURANCE	1.00	ACRE	8.00	8.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		16.41	
EQUIPMENT		ACRE		1.21	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		3.12	
EQUIPMENT		ACRE		2.58	
IRRIGATION		ACRE		12.16	
LABOR-----MACHINERY	2.50	HOURL	5.00	12.48	
IRRIGATION	1.60	HOURL	3.80	6.08	
EQUIPMENT	0.49	HOURL	3.80	1.86	
OTHER	10.00	HOURL	3.80	38.00	
OPERATING CAPITAL	16.68	DOL.	0.155	2.59	
SUBTOTAL, PREHARVEST		ACRE		\$ 286.27	\$
HARVEST COSTS					
HRV, PKG, MKT	250.00	CRTN	4.25	1062.50	
SUBTOTAL, HARVEST		ACRE		\$ 1062.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1348.77	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.40/CRTN	CUCUMBERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 276.23	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.73	
EQUIPMENT		ACRE		24.24	
IRRIGATION		ACRE		32.72	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	
TOTAL FIXED COSTS		ACRE		\$ 117.69	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1466.46	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.87/CRTN	CUCUMBERS	
6. NET PROJECTED RETURNS		ACRE		\$ 158.54	\$

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

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

CUCUMBERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1982 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	2.02	1.31	0.0	3.51	6.84
OFFSET DISC	3,34	JUNE	2.20	0.501	0.380	3.76	2.51	0.0	10.43	16.70
MCLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.78	2.85	0.0	13.85	23.49
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.53	0.25	0.0	1.22	2.01
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	4.00	2.29	6.37
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.54	1.02	36.00	3.80	42.36
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.62	0.76	0.0	2.36	4.74
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.32	1.52	24.00	5.10	32.93
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
TOTALS				2.497	2.156	21.97	12.48	64.00	48.77	147.21

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	14.56	1.52	0.0	8.18	24.26
WATER APPLICATION	AUG	4.00	0.400	0.0	14.56	1.52	0.0	8.18	24.26
WATER APPLICATION	SEPT	4.00	0.400	0.0	14.56	1.52	9.20	8.18	33.46
WATER APPLICATION	OCT	4.00	0.400	0.0	14.56	1.52	0.0	8.18	24.26
TOTALS		16.00	1.600	0.0	58.24	6.08	9.20	32.72	106.24

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CUCUMBERS
(DOLLARS)

	5.20	5.85	6.50	7.15	7.80
QUANTITY OF CUCUMBERS					
200.00	-96.27	33.73	163.73	293.73	423.73
225.00	-72.52	73.73	219.98	366.23	512.48
250.00	-48.77	113.73	276.23	438.73	601.23
275.00	-25.02	153.73	332.48	511.23	689.98
300.00	-1.27	193.73	388.73	583.73	778.73

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

CUCUMBERS (PICKLES) IRRIGATED
TEXAS WINTER GARDEN REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
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.	0.23	9.20	
*PHOSPHATE	80.00	LB.	0.32	25.60	
*HERBICIDE	1.00	ACRE	4.00	4.00	
*INSECTICIDE	6.00	APPL	7.50	45.00	
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	
HAIL INSURANCE	1.00	ACRE	8.00	8.00	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		17.70	
EQUIPMENT		ACRE		0.69	
IRRIGATION		ACRE		34.56	
REPAIRS-----TRACTOR		ACRE		3.37	
EQUIPMENT		ACRE		2.63	
IRRIGATION		ACRE		9.12	
LABOR-----MACHINERY	2.72	HOURL	5.00	13.62	
IRRIGATION	1.20	HOURL	3.80	4.56	
EQUIPMENT	0.28	HOURL	3.80	1.06	
OTHER	10.00	HOURL	3.80	38.00	
OPERATING CAPITAL	30.98	DOL.	0.155	4.80	
SUBTOTAL, PREHARVEST		ACRE		\$ 278.82	\$
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 698.82	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.66/CWT.	CUCUMB. PICKLES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 88.68	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		27.81	
EQUIPMENT		ACRE		24.74	
IRRIGATION		ACRE		24.54	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	
TOTAL FIXED COSTS		ACRE		\$ 112.10	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 810.92	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 7.72/CWT.	CUCUMB. PICKLES	
6. NET PROJECTED RETURNS		ACRE		\$ -23.42	\$

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

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS
NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY
ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE
COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL
EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

CUCUMBERS (PICKLES) IRRIGATED
TEXAS WINTER GARDEN REGION
1982 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	2.02	1.31	0.0	3.51	6.84
OFFSET DISC	3,34	AUG	2.20	0.501	0.380	3.76	2.51	0.0	10.43	16.70
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.78	2.85	0.0	13.85	23.49
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.53	0.25	0.0	1.22	2.01
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.62	0.76	0.0	2.36	4.74
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	4.00	2.29	6.37
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.54	1.02	36.00	3.80	42.36
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.32	1.52	18.00	5.10	26.93
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
TOTALS				2.723	2.328	23.62	13.62	58.00	51.87	147.11

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	10.92	1.14	0.0	6.14	18.19
WATER APPLICATION	SEPT	3.00	0.300	0.0	10.92	1.14	0.0	6.14	18.19
WATER APPLICATION	OCT	3.00	0.300	0.0	10.92	1.14	9.20	6.14	27.39
WATER APPLICATION	NOV	3.00	0.300	0.0	10.92	1.14	0.0	6.14	18.19
TOTALS		12.00	1.200	0.0	43.68	4.56	9.20	24.54	81.98

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CUCUMB. PICKLES
(DOLLARS)

	CWT.	6.00	6.75	7.50	8.25	9.00
QUANTITY OF CUCUMB. PICKLES	84.00	-110.82	-47.82	15.18	78.18	141.18
	94.50	-89.82	-18.94	51.93	122.81	193.68
	105.00	-68.82	9.93	88.68	167.43	246.18
	115.50	-47.82	38.81	125.43	212.06	298.68
	126.00	-26.82	67.68	162.18	256.68	351.18

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

LETTUCE IRRIGATED
TEXAS WINTER GARDEN REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
LETTUCE					
TOTAL PROJECTED RETURNS	500.00	CRTN	5.50	2750.00	
2. VARIABLE COSTS					
PREHARVEST COSTS					
*LETTUCE SEED	150.00	LB.	24.00	24.00	
*NITROGEN (LIQ)	80.00	LB.	0.23	34.50	
*PHOSPHATE	1.00	ACRE	8.32	25.60	
*HERBICIDE	11.00	ACRE	8.00	8.00	
*INSECTICIDE	6.00	APPL	6.50	71.50	
*FUNGICIDE	11.00	APPL	6.00	36.00	
*PESTICIDE APPL.	11.00	ACRE	3.50	38.50	
*NITROGEN (DRY)	75.00	LB.	0.26	19.50	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE		ACRE			
TRACTOR		ACRE		18.13	
EQUIPMENT		ACRE		1.56	
IRRIGATION		ACRE		34.56	
TRACTOR		ACRE		3.39	
EQUIPMENT		ACRE		2.62	
LABOR	2.55	ACRE		9.12	
-----		ACRE		12.73	
OPERATING CAPITAL	1.20	HOOR	5.00	4.56	
SUBTOTAL, PREHARVEST	12.37	HOOR	3.80	2.39	
HARVEST COSTS		HOOR	3.80	45.60	
HARV. PKG. HAUL		HOOR	0.155	1.92	
SUBTOTAL, HARVEST		DOL.		394.19	
500.00		CRTN	4.25	2125.00	
TOTAL VARIABLE COSTS		ACRE		2519.19	
BREAK-EVEN PRICE, VARIABLE COSTS					
\$ 5.04/CRTN LETTUCE					
3. INCOME ABOVE VARIABLE COSTS					
ACRE				230.81	
4. FIXED COSTS					
DEPRECIATION, INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.03	
EQUIPMENT		ACRE		24.21	
IRRIGATION		ACRE		24.54	
LAND-CASH RENT		ACRE		40.00	
MISC ADMIN O/H	1.00	ACRE		5.00	
TOTAL FIXED COSTS	0.50	ACRE		121.78	
5. TOTAL PROJECTED COSTS		ACRE		2640.97	
BREAK-EVEN PRICE, TOTAL COSTS					
\$ 5.28/CRTN LETTUCE					
6. NET PROJECTED RETURNS		ACRE		109.03	
LETTUCE IS PACKED AND MARKETING IN 50 POUND CARTONS.					
BUDGET BASED ON A FALL CROP					

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LETTUCE, IRRIGATED
TEXAS WINTER GARDEN REGION
1982 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	2.02	1.31	0.0	3.51	6.84
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.71	1.14	0.0	4.74	7.59
OFFSET DISC	3,34	AUG	1.20	0.273	0.207	2.05	1.37	0.0	5.69	9.11
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.78	2.85	0.0	13.85	23.49
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.53	0.25	0.0	1.22	2.01
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.62	0.76	0.0	2.36	4.74
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.66	1.26	0.0	4.07	7.99
STANHAY PLANTER	3,44	OCT	1.00	0.303	0.230	2.32	1.52	24.00	5.10	32.93
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.66	1.26	0.0	4.07	7.99
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	8.00	2.29	10.37
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.54	1.02	45.10	3.80	51.46
TOTALS				2.547	2.194	23.96	12.73	77.10	50.70	164.49

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	14.56	1.52	17.25	8.18	41.51
WATER APPLICATION	NOV	4.00	0.400	0.0	14.56	1.52	0.0	8.18	24.26
WATER APPLICATION	DEC	4.00	0.400	0.0	14.56	1.52	17.25	8.18	41.51
TOTALS		12.00	1.200	0.0	43.68	4.56	34.50	24.54	107.28

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

INCCME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF LETTUCE (DOLLARS)				
		4.40	4.95	5.50	6.05	6.60
CRTN						
QUANTITY OF LETTUCE	400.00	-334.19	-114.19	105.81	325.81	545.81
	450.00	-326.69	-79.19	168.31	415.81	663.31
	500.00	-319.19	-44.19	230.81	505.81	780.81
	550.00	-311.69	-9.19	293.31	595.81	898.31
	600.00	-304.19	25.81	355.81	685.81	1015.81

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

ONIONS, IRRIGATED
TEXAS WINTER GARDEN REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ONIONS	450.00	BAGS	5.50	2475.00	
TOTAL PROJECTED RETURNS				\$ 2475.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*ONION SEED	3.00	LB.	12.00	36.00	
*NITROGEN (LIQ)	50.00	LB.	0.23	11.50	
*PHOSPHATE	80.00	LB.	0.32	25.60	
*HERBICIDE	1.00	ACRE	4.00	4.00	
*INSECTICIDE	3.00	APPL	6.00	18.00	
*FUNGICIDE	6.00	APPL	6.00	36.00	
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	
*NITROGEN (DRY)	50.00	LB.	0.26	13.00	
HAIL INSURANCE	1.00	ACRE	8.00	8.00	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE-----TRACTOR		ACRE		21.15	
EQUIPMENT		ACRE		1.21	
IRRIGATION		ACRE		51.84	
REPAIRS-----TRACTOR		ACRE		4.01	
EQUIPMENT		ACRE		2.92	
IRRIGATION		ACRE		13.68	
LABOR-----MACHINERY	3.20	HOOR	5.00	16.01	
IRRIGATION	1.80	HOOR	3.80	6.84	
EQUIPMENT	0.49	HOOR	3.80	1.86	
OTHER	10.00	HOOR	3.80	38.00	
OPERATING CAPITAL	60.53	DOL.	0.155	9.38	
SUBTOTAL, PREHARVEST		ACRE		\$ 340.00	\$
HARVEST COSTS					
HARV, PKG, MKT	450.00	BAGS	3.30	1485.00	
SUBTOTAL, HARVEST		ACRE		\$ 1485.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1825.00	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.06/BAGS	ONIONS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 650.00	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.13	
EQUIPMENT		ACRE		27.11	
IRRIGATION		ACRE		36.81	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	1.00	ACRE	10.00	10.00	
TOTAL FIXED COSTS		ACRE		\$ 157.05	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1982.05	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.40/BAGS	ONIONS	
6. NET PROJECTED RETURNS		ACRE		\$ 492.95	\$

ONIONS ARE PACKED AND MARKETING IN 50 POUND BAGS.

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1982 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	SEPT	1.00	0.263	0.199	2.02	1.31	0.0	3.51	6.84
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.71	1.14	0.0	4.74	7.59
OFFSET DISC	3,34	OCT	1.20	0.273	0.207	2.05	1.37	0.0	5.69	9.11
MOLDBOARD PLOW	1,32	OCT	1.00	0.571	0.432	6.78	2.85	0.0	13.85	23.49
LAND PLANE	1,50	OCT	0.20	0.050	0.038	0.53	0.25	0.0	1.22	2.01
BEDDER 6R	1,36	OCT	1.00	0.151	0.115	1.62	0.76	0.0	2.36	4.74
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	4.00	2.29	6.37
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.54	1.02	38.60	3.80	44.96
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.66	1.26	0.0	4.07	7.99
CULTIVATOR 4R	3,39	NOV	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
STANHAY PLANTER	3,44	NOV	1.00	0.303	0.230	2.32	1.52	36.00	5.10	44.93
CULTIVATOR 4R	3,39	JAN	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
CULTIVATOR 4R	3,39	FEB	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.66	1.13	0.0	3.10	5.89
TOTALS				3.202	2.690	27.93	16.01	78.60	59.04	181.59

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	OCT	4.00	0.400	0.0	14.56	1.52	0.0	8.18	24.26
WATER APPLICATION	DEC	4.00	0.400	0.0	14.56	1.52	11.50	8.18	35.76
WATER APPLICATION	JAN	4.00	0.400	0.0	14.56	1.52	0.0	8.18	24.26
WATER APPLICATION	MAR	3.00	0.300	0.0	10.92	1.14	0.0	6.14	18.19
WATER APPLICATION	APR	3.00	0.300	0.0	10.92	1.14	0.0	6.14	18.19
TOTALS		18.00	1.800	0.0	65.52	6.84	11.50	36.81	120.67

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 ONIONS
(DOLLARS)

	4.40	4.95	5.50	6.05	6.60
BAGS					
360.00	56.00	254.00	452.00	650.00	848.00
405.00	105.50	328.25	551.00	773.75	996.50
QUANTITY OF ONIONS					
450.00	155.00	402.50	650.00	897.50	1145.00
495.00	204.50	476.75	749.00	1021.25	1293.50
540.00	254.00	551.00	848.00	1145.00	1442.00

FRESH MARKET SPINACH, IRRIGATED
TEXAS WINTER GARDEN REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SPINACH, FRESH	400.00	BU.	5.75	2300.00	
TOTAL PROJECTED RETURNS				\$ 2300.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SPINACH-FRESH SD	8.00	LB.	2.00	16.00	
*NITROGEN (LIQ)	60.00	LB.	0.23	13.80	
*PHOSPHATE	120.00	LB.	0.32	38.40	
*HERBICIDE	1.00	ACRE	20.00	20.00	
*INSECTICIDE	6.00	APPL	7.50	45.00	
*FUNGICIDE	7.00	APPL	5.00	35.00	
PESTICIDE APPLI.	7.00	ACRE	3.50	24.50	
*NITROGEN (DRY)	30.00	LB.	0.26	7.80	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE-TRACTOR		ACRE		21.79	
EQUIPMENT		ACRE		1.91	
IRRIGATION		ACRE		46.08	
REPAIRS-TRACTOR		ACRE		4.11	
EQUIPMENT		ACRE		3.11	
IRRIGATION		ACRE		12.16	
LABOR-MACHINERY	2.98	HOURL	5.00	14.88	
IRRIGATION	1.60	HOURL	3.80	6.08	
EQUIPMENT	0.77	HOURL	3.80	2.93	
OTHER	7.00	HOURL	3.80	26.60	
OPERATING CAPITAL	73.64	DOL.	0.155	11.41	
SUBTOTAL, PREHARVEST		ACRE		\$ 351.56	\$
HARVEST COSTS					
HARV, PKG, MKT	400.00	BU.	4.50	1800.00	
SUBTOTAL, HARVEST		ACRE		\$ 1800.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2151.56	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.38/BU.	SPINACH, FRESH	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 148.44	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.44	
EQUIPMENT		ACRE		28.17	
IRRIGATION		ACRE		32.72	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	
TOTAL FIXED COSTS		ACRE		\$ 138.33	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2289.89	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.72/BU.	SPINACH, FRESH	
6. NET PROJECTED RETURNS		ACRE		\$ 10.11	\$

SPINACH IS PACKED AND MARKETING IN 25 POUND 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.