

CUCUMBERS (PICKLES) IRRIGATED
TEXAS EDWARDS AQUIFER 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		31.44	
REPAIRS-----TRACTOR		ACRE		3.37	
EQUIPMENT		ACRE		2.63	
IRRIGATION		ACRE		8.04	
LABOR-----MACHINERY	2.72	HOUR	5.00	13.62	
IRRIGATION	1.20	HOUR	3.80	4.56	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OTHER	10.00	HOUR	3.80	38.00	
OPERATING CAPITAL	30.10	DOL.	0.155	4.67	
SUBTOTAL, PREHARVEST		ACRE		\$ 274.48	\$
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 694.48	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.61/CWT.	CUCUMB. PICKLES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 93.02	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		27.81	
EQUIPMENT		ACRE		24.74	
IRRIGATION		ACRE		19.85	
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		\$ 107.40	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 801.89	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 7.64/CWT.	CUCUMB. PICKLES	
6. NET PROJECTED RETURNS		ACRE		\$ -14.39	\$

PRODUCTION VALUE AND HARVESTING EXPENSE BASED ON A WEIGHTED AVERAGE OF 8%#1'
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.

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B-1241 (C16)

CUCUMBERS (PICKLES) IRRIGATED
TEXAS EDWARDS AQUIFER 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
MCLDBOARD 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	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	SEPT	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	OCT	3.00	0.300	0.0	9.87	1.14	9.20	4.96	25.17
WATER APPLICATION	NOV	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
TOTALS		12.00	1.200	0.0	39.48	4.56	9.20	19.85	73.09

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	-106.48	-43.48	19.52	82.52	145.52
	94.50	-85.48	-14.61	56.27	127.14	198.02
	105.00	-64.48	14.27	93.02	171.77	250.52
	115.50	-43.48	43.14	129.77	216.39	303.02
	126.00	-22.48	72.02	166.52	261.02	355.52

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

LETTUCE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
LETTUCE	500.00	CRTN	5.50	2750.00	
TOTAL PROJECTED RETURNS				\$ 2750.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*LETTUCE SEED	1.00	LB.	24.00	24.00	
*NITROGEN (LIQ)	150.00	LB.	0.23	34.50	
*PHOSPHATE	80.00	LB.	0.32	25.60	
*HERBICIDE	1.00	ACRE	8.00	8.00	
*INSECTICIDE	11.00	APPL	6.50	71.50	
*FUNGICIDE	6.00	APPL	6.00	36.00	
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		18.13	
EQUIPMENT		ACRE		1.56	
IRRIGATION		ACRE		31.44	
REPAIRS-----TRACTOR		ACRE		3.39	
EQUIPMENT		ACRE		2.62	
IRRIGATION		ACRE		8.04	
LABOR-----MACHINERY	2.55	HOUR	5.00	12.73	
IRRIGATION	1.20	HOUR	3.80	4.56	
EQUIPMENT	0.63	HOUR	3.80	2.39	
OTHER	12.00	HOUR	3.80	45.60	
OPERATING CAPITAL	11.67	DOL.	0.155	1.81	
SUBTOTAL, PREHARVEST		ACRE		\$ 389.88	\$
HARVEST COSTS					
HARV, PKG, HAUL	500.00	CRTN	4.25	2125.00	
SUBTOTAL, HARVEST		ACRE		\$ 2125.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2514.88	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.03/CRTN	LETTUCE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 235.12	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.03	
EQUIPMENT		ACRE		24.21	
IRRIGATION		ACRE		19.85	
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		\$ 117.09	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2631.97	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.26/CRTN	LETTUCE	
6. NET PROJECTED RETURNS		ACRE		\$ 118.03	\$

LETTUCE IS PACKED AND MARKETING IN 50 POUND CARTONS.

BUDGET BASED ON A FALL CROP

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LETTUCE, IRRIGATED
TEXAS EDWARDS AQUIFER 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	13.16	1.52	17.25	6.62	38.55
WATER APPLICATION	NOV	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	DEC	4.00	0.400	0.0	13.16	1.52	17.25	6.62	38.55
TOTALS		12.00	1.200	0.0	39.48	4.56	34.50	19.85	98.39

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 LETTUCE	PRICE OF LETTUCE (DOLLARS)				
	4.40	4.95	5.50	6.05	6.60
CRTN					
400.00	-329.88	-109.88	110.12	330.12	550.12
450.00	-322.38	-74.88	172.62	420.12	667.62
500.00	-314.88	-39.88	235.12	510.12	785.12
550.00	-307.38	-4.88	297.62	600.12	902.62
600.00	-299.88	30.12	360.12	690.12	1020.12

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

ONIONS, IRRIGATED
TEXAS EDWARDS AQUIFER 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		47.16	
REPAIRS-----TRACTOR		ACRE		4.01	
EQUIPMENT		ACRE		2.92	
IRRIGATION		ACRE		12.06	
LABOR-----MACHINERY	3.20	HOURL	5.00	16.01	
IRRIGATION	1.80	HOURL	3.80	6.84	
EQUIPMENT	0.49	HOURL	3.80	1.86	
OTHER	10.00	HOURL	3.80	38.00	
OPERATING CAPITAL	57.36	DOL.	0.155	8.89	
SUBTOTAL, PREHARVEST		ACRE		\$ 333.21	\$
HARVEST COSTS					
HARV, PKG, MKT	450.00	BAGS	3.30	1485.00	
SUBTOTAL, HARVEST		ACRE		\$ 1485.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1818.21	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$	4.04/BAGS	ONIONS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 656.79	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.13	
EQUIPMENT		ACRE		27.11	
IRRIGATION		ACRE		29.77	
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		\$ 150.01	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1968.22	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$	4.37/BAGS	ONIONS	
6. NET PROJECTED RETURNS		ACRE		\$ 506.78	\$

ONIONS ARE PACKED AND MARKETING IN 50 POUND BAGS.

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ONIONS, IRRIGATED
 TEXAS EDWARDS AQUIFER REGION
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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
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
HOLDBOARD 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	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	DEC	4.00	0.400	0.0	13.16	1.52	11.50	6.62	32.80
WATER APPLICATION	JAN	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	MAR	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	APR	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
TOTALS		18.00	1.800	0.0	59.22	6.84	11.50	29.77	107.33

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)

BAGS	4.40	4.95	5.50	6.05	6.60
360.00	62.79	260.79	458.79	656.79	854.79
405.00	112.29	335.04	557.79	780.54	1003.29
450.00	161.79	409.29	656.79	904.29	1151.79
495.00	211.29	483.54	755.79	1028.04	1300.29
540.00	260.79	557.79	854.79	1151.79	1448.79

QUANTITY OF
ONIONS

FRESH MARKET SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER 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		41.92	
REPAIRS-----TRACTOR		ACRE		4.11	
EQUIPMENT		ACRE		3.11	
IRRIGATION		ACRE		10.72	
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	71.31	DOL.	0.155	11.05	
SUBTOTAL, PREHARVEST		ACRE		\$ 345.60	\$
HARVEST COSTS					
HARV, PKG, MKT	400.00	BU.	4.50	1800.00	
SUBTOTAL, HARVEST		ACRE		\$ 1800.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2145.60	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 5.36/BU.		SPINACH, FRESH	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 154.40	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.44	
EQUIPMENT		ACRE		28.17	
IRRIGATION		ACRE		26.46	
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		\$ 132.07	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2277.67	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 5.69/BU.		SPINACH, FRESH	
6. NET PROJECTED RETURNS		ACRE		\$ 22.33	\$

SPINACH IS PACKED AND MARKETING IN 25 POUND BUSHELS.

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FRESH MARKET SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER 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	2,34	AUG	2.20	0.501	0.380	4.64	2.51	0.0	10.27	17.41
MCLDBOARD FLOW	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
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	20.00	2.29	22.37
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.54	1.02	46.20	3.80	52.56
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.40	1.13	0.0	3.93	7.47
PLANTER 4R	3,41	SEPT	1.00	0.303	0.230	2.55	1.52	16.00	6.48	26.55
BED SHAPER 6R	3,48	SEPT	1.00	0.252	0.191	1.83	1.26	0.0	3.15	6.24
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.40	1.13	0.0	3.93	7.47
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.40	1.13	0.0	3.93	7.47
TOTALS				2.975	2.519	28.79	14.88	82.20	58.72	184.59

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	MAR	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	SEPT	4.00	0.400	0.0	13.16	1.52	13.80	6.62	35.10
WATER APPLICATION	NOV	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	JAN	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
TOTALS		16.00	1.600	0.0	52.64	6.08	13.80	26.46	98.98

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 SPINACH, FRESH
(DOLLARS)

BU.	4.60	5.18	5.75	6.32	6.90
320.00	-313.60	-129.60	54.40	238.40	422.40
360.00	-309.60	-102.60	104.40	311.40	518.40
400.00	-305.60	-75.60	154.40	384.40	614.40
440.00	-301.60	-48.60	204.40	457.40	710.40
480.00	-297.60	-21.60	254.40	530.40	806.40

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

PROCESSED SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SPINACH, PROCESS	7.50	TON	84.50	633.75	
SPINACH SECONDS	0.80	TON	1.50	1.20	
TOTAL PROJECTED RETURNS				\$ 634.95	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SPINACH-PROC. SD	16.00	LB.	1.65	26.40	
*NITROGEN (LIQ)	60.00	LB.	0.23	13.80	
*PHOSPHATE	150.00	LB.	0.32	48.00	
*HERBICIDE	1.00	ACRE	20.00	20.00	
*INSECTICIDE	8.00	APPL	7.50	60.00	
*FUNGICIDE	3.00	APPL	5.00	15.00	
PESTICIDE APPLI.	8.00	ACRE	3.50	28.00	
*NITROGEN (DRY)	60.00	LB.	0.26	15.60	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		24.32	
EQUIPMENT		ACRE		1.04	
IRRIGATION		ACRE		52.40	
REPAIRS-----TRACTOR		ACRE		4.53	
EQUIPMENT		ACRE		3.01	
IRRIGATION		ACRE		13.40	
LABOR-----MACHINERY	2.98	HOOR	5.00	14.88	
IRRIGATION	2.00	HOOR	3.80	7.60	
EQUIPMENT	0.42	HOOR	3.80	1.60	
OTHER	6.00	HOOR	3.80	22.80	
OPERATING CAPITAL	95.12	DOL.	0.155	14.74	
SUBTOTAL, PREHARVEST		ACRE		\$ 387.12	\$
HARVEST COSTS					
HARV, PKG, HAUL	9.00	TON	4.85	43.65	
SUBTOTAL, HARVEST		ACRE		\$ 43.65	\$
TOTAL VARIABLE COSTS		ACRE		\$ 430.77	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 57.28/TON		SPINACH, PROCESS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 204.18	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		35.12	
EQUIPMENT		ACRE		27.31	
IRRIGATION		ACRE		33.08	
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		\$ 140.51	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 571.28	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 76.01/TON		SPINACH, PROCESS	
6. NET PROJECTED RETURNS		ACRE		\$ 63.67	\$

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