

CUCUMBERS (PICKLES) IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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					
INPUT USE					
PREHARVEST COSTS					
*CUCUMBER-PCKL SD	2.25	LB.	5.30	11.93	
*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	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.	0.25	10.00	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		15.95	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		34.56	
REPAIRS-----TRACTOR		ACRE		3.89	
EQUIPMENT		ACRE		2.65	
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	34.49	DOL.	0.135	4.66	
SUBTOTAL, PREHARVEST		ACRE		\$ 291.03	\$
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 711.03	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.77/CWT.	CUCUMB. PICKLES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 76.47	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		29.75	
EQUIPMENT		ACRE		23.22	
IRRIGATION		ACRE		19.80	
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		\$ 110.26	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 821.29	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 7.82/CWT.	CUCUMB. PICKLES	
6. NET PROJECTED RETURNS		ACRE		\$ -33.79	\$

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 EDWARDS AQUIFER 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	3,30	AUG	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	AUG	2.20	0.501	0.380	3.57	2.51	0.0	10.39	16.47
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
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	6.00	2.13	8.21
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.46	1.02	34.00	3.82	40.29
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.20	1.52	11.93	5.16	20.80
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				2.723	2.328	22.39	13.62	51.92	52.16	140.09

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	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	SEPT	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	OCT	3.00	0.300	0.0	10.65	1.14	10.00	4.95	26.74
WATER APPLICATION	NOV	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
TOTALS		12.00	1.200	0.0	42.60	4.56	10.00	19.80	76.96

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CUCUMB. PICKLES
(DOLLARS)

		6.00	6.75	7.50	8.25	9.00
CWT.						
QUANTITY OF CUCUMB. PICKLES	84.00	-123.03	-60.03	2.97	65.97	128.97
	94.50	-102.03	-31.16	39.72	110.59	181.47
	105.00	-81.03	-2.28	76.47	155.22	233.97
	115.50	-60.03	26.59	113.22	199.84	286.47
	126.00	-39.03	55.47	149.97	244.47	338.97

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

LETTUCE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
LETTUCE	500.00	CRTN	5.50	2750.00	_____
TOTAL PROJECTED RETURNS				\$ 2750.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*LETTUCE SEED	1.00	LB.	28.00	28.00	_____
*NITROGEN (LIQ)	150.00	LB.	0.25	37.50	_____
*PHOSPHATE	80.00	LB.	0.30	24.00	_____
*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.	0.25	18.75	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		16.34	_____
EQUIPMENT		ACRE		1.39	_____
IRRIGATION		ACRE		34.56	_____
REPAIRS-----TRACTOR		ACRE		3.90	_____
EQUIPMENT		ACRE		2.66	_____
IRRIGATION		ACRE		8.04	_____
LABOR-----MACHINERY	2.55	HR	5.00	12.73	_____
IRRIGATION	1.20	HR	3.80	4.56	_____
EQUIPMENT	0.63	HR	3.80	2.39	_____
OTHER	12.00	HR	3.80	45.60	_____
OPERATING CAPITAL	14.74	DOL.	0.135	1.99	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 410.31	\$ _____
HARVEST COSTS					
HARV, PKG, HAUL	500.00	CRTN	4.25	2125.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 2125.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2535.31	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.07/CRTN	LETTUCE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 214.69	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		29.84	_____
EQUIPMENT		ACRE		22.92	_____
IRRIGATION		ACRE		19.80	_____
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		\$ 120.06	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2655.37	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.31/CRTN	LETTUCE	
6. NET PROJECTED RETURNS		ACRE		\$ 94.63	\$ _____

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
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	3,30	JULY	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	AUG	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
STANHAY PLANTER	3,44	OCT	1.00	0.303	0.230	2.20	1.52	28.00	5.16	36.88
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	9.00	2.13	11.21
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.46	1.02	42.75	3.82	49.04
TOTALS				2.547	2.194	22.67	12.73	79.75	50.95	166.11

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	OCT	4.00	0.400	0.0	14.20	1.52	18.75	6.60	41.07
WATER APPLICATION	NOV	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	DEC	4.00	0.400	0.0	14.20	1.52	18.75	6.60	41.07
TOTALS		12.00	1.200	0.0	42.60	4.56	37.50	19.80	104.46

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF LETTUCE (DOLLARS)				
		4.40	4.95	5.50	6.05	6.60
QUANTITY OF LETTUCE	CRTN					
	400.00	-350.31	-130.31	89.69	309.69	529.69
	450.00	-342.81	-95.31	152.19	399.69	647.19
	500.00	-335.31	-60.31	214.69	489.69	764.69
	550.00	-327.81	-25.31	277.19	579.69	882.19
	600.00	-320.31	9.69	339.69	669.69	999.69

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

ONIONS, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
ONIONS	450.00	BAG	5.50	2475.00	
TOTAL PROJECTED RETURNS				\$ 2475.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*ONION SEED	3.00	LB.	20.00	60.00	
*NITROGEN (LIQ)	50.00	LB.	0.25	12.50	
*PHOSPHATE	80.00	LB.	0.30	24.00	
*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.	0.25	12.50	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		19.05	
EQUIPMENT		ACRE		1.08	
IRRIGATION		ACRE		51.84	
REPAIRS-----TRACTOR		ACRE		4.63	
EQUIPMENT		ACRE		2.95	
IRRIGATION		ACRE		12.06	
LABOR-----MACHINERY	3.20	HOUR	5.00	16.01	
IRRIGATION	1.80	HOUR	3.80	6.84	
EQUIPMENT	0.49	HOUR	3.80	1.86	
OTHER	10.00	HOUR	3.80	38.00	
OPERATING CAPITAL	76.98	DOL.	0.135	10.39	
SUBTOTAL, PREHARVEST		ACRE		\$ 365.71	\$
HARVEST COSTS					
HARV,PKG,MKT	450.00	BAG	3.30	1485.00	
SUBTOTAL, HARVEST		ACRE		\$ 1485.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1850.71	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.11/BAG	ONIONS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 624.29	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		35.40	
EQUIPMENT		ACRE		25.54	
IRRIGATION		ACRE		29.70	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	
TOTAL FIXED COSTS		ACRE		\$ 155.64	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2006.36	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.46/BAG	ONIONS	
6. NET PROJECTED RETURNS		ACRE		\$ 468.64	\$

ONIONS ARE PACKED AND MARKETING IN 50 POUND BAGS.

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ONIONS, IRRIGATED
TEXAS EDWARDS AQUIFER 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	3,30	SEPT	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	OCT	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	OCT	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	OCT	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	OCT	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.46	1.02	36.50	3.82	42.79
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
CULTIVATOR 4R	3,39	NOV	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
STANHAY PLANTER	3,44	NOV	1.00	0.303	0.230	2.20	1.52	60.00	5.16	68.88
CULTIVATOR 4R	3,39	JAN	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	FEB	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
TOTALS				3.202	2.690	26.46	16.01	100.50	59.54	202.51

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	DEC	4.00	0.400	0.0	14.20	1.52	12.50	6.60	34.82
WATER APPLICATION	JAN	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAR	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	APR	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
TOTALS		18.00	1.800	0.0	63.90	6.84	12.50	29.70	112.94

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 ONIONS
(DOLLARS)

BAG	4.40	4.95	5.50	6.05	6.60
360.00	30.29	228.29	426.29	624.29	822.29
405.00	79.79	302.54	525.29	748.04	970.79
450.00	129.29	376.79	624.29	871.79	1119.29
495.00	178.79	451.04	723.29	995.54	1267.79
540.00	228.29	525.29	822.29	1119.29	1416.29

QUANTITY OF
ONIONS

FRESH MARKET SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
SPINACH, FRESH	400.00	BU.	5.75	2300.00	
TOTAL PROJECTED RETURNS				\$ 2300.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SPINACH-FRESH SD	8.00	LB.	2.20	17.60	
*NITROGEN (LIQ)	60.00	LB.	0.25	15.00	
*PHOSPHATE	120.00	LB.	0.30	36.00	
*HERBICIDE	1.00	ACRE	20.00	20.00	
*INSECTICIDE	6.00	APPL	10.00	60.00	
*FUNGICIDE	7.00	APPL	5.40	37.80	
PESTICIDE APPLI.	7.00	ACRE	3.50	24.50	
*NITROGEN (DRY)	30.00	LB.	0.25	7.50	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		19.63	
EQUIPMENT		ACRE		1.70	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		4.77	
EQUIPMENT		ACRE		3.16	
IRRIGATION		ACRE		10.72	
LABOR-----MACHINERY	2.98	HOUR	5.00	14.88	
IRRIGATION	1.60	HOUR	3.80	6.08	
EQUIPMENT	0.77	HOUR	3.80	2.93	
OTHER	7.00	HOUR	3.80	26.60	
OPERATING CAPITAL	77.35	DOL.	0.135	10.44	
SUBTOTAL, PREHARVEST		ACRE		\$ 365.39	\$
HARVEST COSTS					
HARV,PKG,MKT	400.00	BU.	4.50	1800.00	
SUBTOTAL, HARVEST		ACRE		\$ 1800.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2165.39	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 5.41/BU.		SPINACH, FRESH	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 134.61	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		34.77	
EQUIPMENT		ACRE		26.69	
IRRIGATION		ACRE		26.40	
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		\$ 135.36	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2300.75	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 5.75/BU.		SPINACH, FRESH	
6. NET PROJECTED RETURNS		ACRE		\$ -0.75	\$

SPINACH IS PACKED AND MARKETING IN 25 POUND BUSHELS.

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.

FRESH MARKET SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER 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	3,30	AUG	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.44	2.51	0.0	10.45	17.40
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	20.00	2.13	22.21
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.46	1.02	43.50	3.82	49.79
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
PLANTER 4R	3,41	SEPT	1.00	0.303	0.230	2.43	1.52	17.60	6.45	28.00
BED SHAPER 6R	3,48	SEPT	1.00	0.252	0.191	1.73	1.26	0.0	3.27	6.26
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
TOTALS				2.975	2.519	27.29	14.88	81.10	59.25	182.52

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	SEPT	4.00	0.400	0.0	14.20	1.52	15.00	6.60	37.32
WATER APPLICATION	NOV	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JAN	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	15.00	26.40	104.28

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)

		4.60	5.18	5.75	6.32	6.90
BU.						
QUANTITY OF SPINACH, FRESH	320.00	-333.39	-149.39	34.61	218.61	402.61
	360.00	-329.39	-122.39	84.61	291.61	498.61
	400.00	-325.39	-95.39	134.61	364.61	594.61
	440.00	-321.39	-68.39	184.61	437.61	690.61
	480.00	-317.39	-41.39	234.61	510.61	786.61

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	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					
INPUT USE					
PREHARVEST COSTS					
*SPINACH-PROC. SD	16.00	LB.	1.75	28.00	_____
*NITROGEN (LIQ)	60.00	LB.	0.25	15.00	_____
*PHOSPHATE	150.00	LB.	0.30	45.00	_____
*HERBICIDE	1.00	ACRE	20.00	20.00	_____
*INSECTICIDE	8.00	APPL	10.00	80.00	_____
*FUNGICIDE	3.00	APPL	5.40	16.20	_____
PESTICIDE APPLI.	8.00	ACRE	3.50	28.00	_____
*NITROGEN (DRY)	60.00	LB.	0.25	15.00	_____
IRRIGATION WATER	20.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		21.91	_____
EQUIPMENT		ACRE		0.93	_____
IRRIGATION		ACRE		57.60	_____
REPAIRS-----TRACTOR		ACRE		5.24	_____
EQUIPMENT		ACRE		3.04	_____
IRRIGATION		ACRE		13.40	_____
LABOR-----MACHINERY	2.98	HOUR	5.00	14.88	_____
IRRIGATION	2.00	HOUR	3.80	7.60	_____
EQUIPMENT	0.42	HOUR	3.80	1.60	_____
OTHER	6.00	HOUR	3.80	22.80	_____
OPERATING CAPITAL	103.01	DOL.	0.135	13.91	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 410.10	\$ _____
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	4.85	43.65	_____
SUBTOTAL, HARVEST		ACRE		\$ 43.65	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 453.75	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 60.34/TON	SPINACH, PROCESS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 181.20	\$ _____
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		37.56	_____
EQUIPMENT		ACRE		25.68	_____
IRRIGATION		ACRE		33.00	_____
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		\$ 143.75	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 597.50	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 79.51/TON	SPINACH, PROCESS	
6. NET PROJECTED RETURNS		ACRE		\$ 37.45	\$ _____

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.

PROCESSED SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER 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	AUG	1.00	0.263	0.199	2.38	1.31	0.0	3.65	7.34
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.44	2.51	0.0	10.45	17.40
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	20.00	2.13	22.21
DRY FERT SPRDER	1,60	AUG	1.00	0.203	0.154	2.08	1.02	60.00	4.56	67.65
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
PLANTER 4R	1,41	SEPT	1.00	0.303	0.230	3.35	1.52	28.00	7.55	40.42
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
TOTALS				2.975	2.519	30.04	14.88	108.00	62.04	214.96

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	SEPT	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	OCT	4.00	0.400	0.0	14.20	1.52	15.00	6.60	37.32
WATER APPLICATION	NOV	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	DEC	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	JAN	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	FEB	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
TOTALS		20.00	2.000	0.0	71.00	7.60	15.00	33.00	126.60

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, PROCESS
(DOLLARS)

		67.60	76.05	84.50	92.95	101.40
QUANTITY OF SPINACH, PROCESS	TON					
	6.00	-38.46	12.24	62.94	113.64	164.34
	6.75	8.00	65.03	122.07	179.11	236.15
	7.50	54.45	117.83	181.20	244.58	307.95
	8.25	100.91	170.62	240.33	310.04	379.76
	9.00	147.36	223.41	299.46	375.51	451.56

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

SPINACH (PROCESSED), IRRIGATED, GRAIN DRILL PLANTING
 TEXAS EDWARDS AQUIFER REGION
 1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	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					
INPUT USE					
PREHARVEST COSTS					
*SPINACH-PROC. SD	21.00	LB.	1.75	36.75	_____
*NITROGEN (LIQ)	100.00	LB.	0.25	25.00	_____
*PHOSPHATE	160.00	LB.	0.30	48.00	_____
CUSTOM FERTILIZE	1.00	ACRE	1.80	1.80	_____
*INSECTICIDE	6.00	APPL	10.00	60.00	_____
*FUNGICIDE	3.00	APPL	5.40	16.20	_____
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	_____
*NITROGEN (DRY)	50.00	LB.	0.25	12.50	_____
*HERBICIDE	1.00	ACRE	20.00	20.00	_____
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	_____
IRRIGATION WATER	21.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		10.85	_____
EQUIPMENT		ACRE		0.93	_____
IRRIGATION		ACRE		60.48	_____
REPAIRS-----TRACTOR		ACRE		2.68	_____
EQUIPMENT		ACRE		1.91	_____
IRRIGATION		ACRE		14.07	_____
LABOR-----MACHINERY	1.52	HOURL	5.00	7.62	_____
IRRIGATION	2.10	HOURL	3.80	7.98	_____
EQUIPMENT	0.42	HOURL	3.80	1.60	_____
OTHER	6.00	HOURL	3.80	22.80	_____
OPERATING CAPITAL	16.87	DOL.	0.135	2.28	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 377.44	\$ _____
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	4.85	43.65	_____
SUBTOTAL, HARVEST		ACRE		\$ 43.65	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 421.09	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 55.99/TON	SPINACH, PROCESS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 213.86	\$ _____
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		18.21	_____
EQUIPMENT		ACRE		18.17	_____
IRRIGATION		ACRE		34.65	_____
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		\$ 118.53	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 539.62	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 71.79/TON	SPINACH, PROCESS	
6. NET PROJECTED RETURNS		ACRE		\$ 95.33	\$ _____

BUDGET BASED ON GRAIN DRILL METHOD OF PLANTING.

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SPINACH (PROCESSED), IRRIGATED, GRAIN DRILL PLANTING
TEXAS EDWARDS AQUIFER 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	2,34	AUG	1.00	0.228	0.173	2.02	1.14	0.0	4.75	7.91
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
OFFSET DISC	2,34	SEPT	2.00	0.456	0.345	4.04	2.28	0.0	9.50	15.82
GRAIN DRILL	1,46	OCT	1.00	0.270	0.205	2.81	1.35	36.75	7.11	48.03
TOTALS				1.524	1.155	15.29	7.62	36.75	35.17	94.84

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	SEPT	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	OCT	4.00	0.400	0.0	14.20	1.52	12.50	6.60	34.82
WATER APPLICATION	NOV	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	DEC	3.00	0.300	0.0	10.65	1.14	12.50	4.95	29.24
WATER APPLICATION	JAN	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	FEB	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
TOTALS		21.00	2.100	0.0	74.55	7.98	25.00	34.65	142.18

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, PROCESS
(DOLLARS)

		67.60	76.05	84.50	92.95	101.40
TON						
QUANTITY OF SPINACH, PROCESS	6.00	-5.80	44.90	95.60	146.30	197.00
	6.75	40.65	97.69	154.73	211.76	268.80
	7.50	87.11	150.48	213.86	277.23	340.61
	8.25	133.56	203.27	272.99	342.70	412.41
	9.00	180.02	256.07	332.12	408.17	484.22

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

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
13	STEER CALVES		LIVE	67.50	268	CUSTOM HARVEST	WHTI	BU.	0.20
14	HEIFER CALVES		CWT.	60.75	269	CUSTOM HARVEST	WHT	ACRE	15.00
17	CULL COWS		CWT.	36.50	270	CUSTOM HARVEST D	SORG	ACRE	18.00
28	DEER LEASE		ACRE	2.50	271	CUSTOM HARVEST I	SORG	CWT.	0.45
70	DEFICIENCY PMT.		BU.	0.65	272	CUSTOM HARVEST	CORN	ACRE	25.00
71	DEFICIENCY PMT.		CWT.	0.36	275	CUSTOM HARVEST	BEET	TON	8.80
73	GRAIN SORGHUM		CWT.	4.35	282	GIN, BAG, TIES	BALE	49.00	
77	CORN		BU.	3.50	283	HAUL GRAIN SORG	CWT.	0.30	
79	WINTER WHEAT		BU.	3.36	284	HAUL WHEAT	BU.	0.13	
80	SPRING WHEAT		BU.	3.36	285	HAUL CORN	BU.	0.17	
82	PROC. BEETS #1		TON	52.00	288	HAUL GUAR	CWT.	0.25	
83	PROC. BEETS #2		TON	65.00	289	CUS HARV GUAR	ACRE	25.00	
84	PROC. BEETS #3		TON	16.50	291	SD COTTON-UPLAND	LB.	0.50	
85	USABLE CULLS		BEET	1.00	296	HARVEST AND HAU	CARR	TON	9.00
86	PROC. CARROTS #2		TON	64.00	311	HIRE PLANT EQUIP	PECN	HOUR	2.00
87	PROC. CARROTS #3		TON	36.00	315	CUSTOM CHSL PLOW	PECN	APPL	10.00
88	PROC. CARROTS #1		TON	15.00	322	CUSTOM HAULING	HEAD	0.50	
89	CARROT CULLS		TON	1.00	328	CUST COTTON PICK	LB.	0.11	
90	DEFICIENCY PMT.		COTT	0.21	329	FUNGICIDE APPLI.	ACRE	2.75	
91	DEFICIENCY PMT.		CORN	0.21	331	PESTICIDE APPLI.	ACRE	3.50	
92	GUAR		CWT.	20.00	332	HERBICIDE APPLI.	CSTM	ACRE	4.00
93	COTTON LINT		LB.	0.50	333	INSECT. APPLI.	APPL	2.75	
94	COTTONSEED		TON	90.00	335	DEFOLIANT APPLI.	ACRE	2.75	
95	SPANISH PEANUTS		CWT.	28.00	339	MOW,RAKE,BALE	BALE	0.70	
96	PECANS		LB.	1.00	348	CUSTOM DISC	PECN	APPL	8.00
98	SOYBEANS		BU.	6.25	349	CUSTOM LAND PLANE	PECN	APPL	6.00
103	SALT & WIN.		LB.	0.23	350	HAULING&MKTG	HEAD	1.00	
107	COTTONSEED CAKE		LB.	0.13	368	TREES (5-6 FT)	PECN	TREE	8.00
153	PASTURE RENT		ACRE	3.50	373	MISC EXPENSE	PECN	ACRE	15.00
154	PASTURE RENT		ACRE	4.50	374	CUSTOM PICKING	PECN	LB.	0.28
155	SORGHUM PASTURE		DAYS	0.50	393	MISC EXPENSE	LIVE	DOL.	1.00
156	PASTURE RENT		IMPR	7.50	396	WATER FACIL REPR	HEAD	2.00	
161	CORN SILAGE		TON	23.00	400	MISC EXPENSE	DOL.	1.00	
175	SORGHUM HAY		TON	60.00	410	VET MEDICINE	DOL.	5.00	
180	PASTURE MAINT.		IMPR	3.00	451	GEN. & HAIL INS.	ACRE	13.00	
184	SEED CORN/GRAIN		LB.	1.40	486	SALES COMM	DOL.	1.00	
185	SEED CORN/SILAGE		LB.	1.00	490	ZINC SULPHATE	PECN	LB.	0.30
186	GRAIN SORG. SEED		LB.	0.76	499	BORON APPLICAT.	BEET	ACRE	3.00
187	FORAGE SORG SEED		LB.	0.32	500	BORON	BEET	ACRE	2.75
189	SOYBEAN SEED		LB.	0.32	501	CABBAGE	BAG	3.50	
195	GUAR SEED		LB.	0.65	502	CANTALOUPS	CRTN	5.50	
212	NITROGEN (DRY)		LB.	0.25	503	CARROTS	BAG	6.50	
213	NITROGEN (ANHY)		LB.	0.14	504	CUCUMBERS	CRTN	6.50	
214	NITROGEN (LIQ)		LB.	0.25	505	CUCUMB. PICKLES	CWT.	7.50	
215	PHOSPHATE		LB.	0.30	506	BUFFLE GR. PAST	DAYS	0.50	
220	POTASH		LB.	0.12	507	ONIONS	BAG	5.50	
239	FUNGICIDE		LB.	11.00	508	SPINACH, FRESH	BU.	5.75	
240	INSECTICIDE		PINT	2.70	509	SPINACH, PROCESS	TON	84.50	
250	HERBICIDE		QT.	18.50	510	LETTUCE	CRTN	5.50	
256	DEFOLIANT		ACRE	12.50	511	OATS GRAZING AUD	DAYS	0.50	

1 = ACIN 15 = DOL. 19 = FEET 23 = CRTN 27 = EACH
 2 = BU. 7 = ACRE 12 = LB. 16 = CWT. 20 = APPL 24 = CRAT 28 = GPM
 3 = TON 8 = HOUR 13 = PINT 17 = OZ. 21 = SQFT 25 = BAG 29 = KWH
 4 = DOZ. 9 = DAYS 14 = QT. 18 = MILE 22 = LBGN 26 = TREE 30 = MCF
 5 = GAL. 10 = AUM

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
512	WHEAT SD TREATED		LB.	0.20	562	INSECTICIDE	LETT	APPL	8.00
513	BUFFLE GRASS SD		LB.	3.40	563	INSECTICIDE	SORG	APPL	8.00
514	CABBAGE SEED		LB.	48.00	564	INSECTICIDE	ONIO	APPL	6.00
515	CANTALOUPE SEED		LB.	6.00	565	INSECTICIDE	PEAN	APPL	4.10
516	CARROT SEED		LB.	6.00	566	INSECTICIDE	SPIN	APPL	10.00
517	CUCUMBER SEED		LB.	5.30	567	INSECTICIDE	SUNF	APPL	6.00
518	CUCUMBER-PCKL SD		LB.	5.30	568	INSECTICIDE	SOYB	APPL	7.00
519	ONION SEED		LB.	20.00	570	FUNGICIDE	CABB	APPL	7.00
520	OATS SEED		LB.	0.15	571	FUNGICIDE	CANT	APPL	4.00
521	SPINACH-FRESH SD		LB.	2.20	572	FUNGICIDE	CARR	APPL	4.50
522	SPINACH-PROC. SD		LB.	1.75	574	FUNGICIDE	LETT	APPL	5.40
523	LETTUCE SEED		LB.	28.00	575	FUNGICIDE	ONIO	APPL	6.00
524	PEANUT SEED		LB.	0.58	576	FUNGICIDE	PEAN	APPL	7.00
525	SUNFLOWER SEED		LB.	0.50	577	FUNGICIDE	SPIN	APPL	5.40
526	SPRIG & SPRIGNG		ACRE	40.00	578	CSTL PAST GRAZNG	DAYS	0.50	
527	HARV, PACK & MKT	CABB	BAG	2.00	579	CUSTOM ROOT PLOW	ACRE	45.00	
528	HARV, PACK & MKT	CANT	CRTN	4.00	580	CSTL BERMUDA HAY	TON	60.00	
529	HARV, PACK & MKT	CARR	BAG	4.25	581	CUST HARV, STRIP	COTT	CWT.	1.75
530	HRV, PKG, MKT	CCMB	CRTN	4.25	582	GIN STRPR COTTON	CWT.	1.75	
531	HARVEST, PICKLES	CCMB	CWT.	4.00	583	BL,BG,TIE-ST CTN	BALE	13.00	
532	HARV, PKG, MKT	ONIO	BAG	3.30	584	BEEHIVE RENT	ACRE	15.00	
533	HARV, PKG, MKT	SPIN	BU.	4.50	585	BEE SEED	LB.	2.40	
534	HARV, PKG, HAUL	SPPR	TON	4.85	586	NEMATOCIDE	ACRE	8.60	
535	HARV, PKG, HAUL	LETT	CRTN	4.25	587	FLORUNNER PEANUT	CWT.	28.00	
536	HARVEST & HAUL	SUNF	ACRE	25.00	588	FUNGICIDE	BEE	ACRE	6.60
537	CUSTOM DRYING	PEAN	TON	25.00	589	ALLOTMENT LEASE	PEAN	CWT.	2.65
538	CUSTOM HAUL	PEAN	TON	7.00	590	SPINACH SECONDS	TON	1.50	
539	CUSTOM HARVEST	SOYB	BU.	0.75	591	GRAZING	DAYS	0.50	
540	CUSTOM HAUL	SOYB	BU.	0.15	592	CUSTOM FERTILIZE	ACRE	1.80	
541	CUSTOM HAUL	HAY	BALE	0.35	593	SUNFLOWERS	LB.	0.08	
542	HERBICIDE	HAY	ACRE	2.40	595	INNOCLANT	ACRE	0.50	
543	HERBICIDE	CABB	ACRE	8.00	596	CUSTOM HAUL	CWT.	0.20	
544	HERBICIDE	CANT	ACRE	6.00	598	MISC ADMIN O/H	ACRE	15.00	
545	HERBICIDE	CARR	ACRE	7.00	599	HERBICIDE	GUAR	ACRE	4.00
546	HERBICIDE	CORN	ACRE	10.00					
547	HERBICIDE	COTT	ACRE	4.00					
548	HERBICIDE	CUCU	ACRE	6.00					
549	HERBICIDE	LETT	ACRE	9.00					
550	HERBICIDE	SORG	ACRE	8.00					
551	HERBICIDE	ONIO	ACRE	4.00					
552	HERBICIDE	SP,B	ACRE	20.00					
553	HERBICIDE	PEAN	ACRE	4.10					
554	HERBICIDE	SUNF	ACRE	4.00					
555	HERBICIDE	SOYB	ACRE	4.00					
556	INSECTICIDE	CABB	APPL	8.00					
557	INSECTCD CNTLOUPS	CANT	APPL	5.00					
558	INSECTICIDE	CARR	APPL	6.00					
559	INSECTICIDE	CORN	APPL	16.00					
560	INSECTICIDE	COTT	APPL	7.50					
561	INSECTICIDE	CUC.	APPL	10.00					

1 = HEAD 6 = BALE 11 = ACIN 15 = DOL. 19 = FEET 23 = CRTN 27 = EACH
2 = BU. 7 = ACRE 12 = LB. 16 = CWT. 20 = APPL 24 = CRAT 28 = GPM
3 = TON 8 = HOUR 13 = PINT 17 = OZ. 21 = SQFT 25 = BAG 29 = KWH
4 = DOZ. 9 = DAYS 14 = QT. 18 = MILE 22 = LBGN 26 = TREE 30 = MCF
5 = GAL. 10 = AUM

TABLE . DEFAULT PARAMETER VALUES AND DEFINITIONS
 REGION: 16 DATE: 032383

ROW	PARAMETER DEFINITION	DEFAULT VALUE
1.	PRICE PER GALLON OF GASOLINE	1.0500
2.	PRICE PER GALLON OF L.P. GAS	0.6700
3.	PRICE PER GALLON OF DIESEL	1.0000
4.	PRICE PER KILOWATT HOUR OF ELECTRICITY	0.0750
5.	PRICE PER 1000 CU. FT. OF NATURAL GAS	4.0000
6.	NOMINAL INTEREST RATE	0.1350
7.	MACHINERY INSUR. RATE (AVERAGE INVESTMENT)	0.0100
8.	MACHINERY TAX RATE (PURCHASE VALUE)	0.0050
9.	IRRIGATION SYSTEM NUMBER	1.
10.	HOURLY MACHINERY WAGE RATE	5.00
11.	HOURLY OTHER LABOR WAGE RATE	3.80
12.	HOURLY IRRIG./LIVESTOCK WAGE RATE	3.80
13.	DEATH LOSS (PERCENT OF TOTAL RECEIPTS)	0.0
14.	LIVESTOCK INSUR. RATE (AVERAGE INVESTMENT)	0.0100
15.	EQUIPMENT INSUR. RATE (AVERAGE INVESTMENT)	0.0100
16.	LIVESTOCK TAX RATE (AVERAGE VALUE)	0.0050
17.	EQUIPMENT TAX RATE (AVERAGE VALUE)	0.0050
18.	IRRIGATION LABOR MULTIPLIER (HRS/ACIN)	0.1000
19.	FACTOR TO CONVERT MACHINE HRS TO TRACTOR HRS	1.1000
20.	FACTOR TO CONVERT TRACTOR HRS TO LABOR HRS	1.2000
21.	FACTOR TO CONVERT SELF-POWERED MACHINERY HRS TO LABOR HRS	1.2500
22.	LUBRICATION COST MULTIPLE OF MACHINERY FUEL COSTS	0.1000
23.	INFLATION RATE	0.0
24.	LUBRICATION COST MULTIPLE OF EQUIPMENT FUEL COSTS	0.0500

LISTING OF ECONOMIC AND ENGINEERING DATA FOR MACHINERY IN REGION 16

DATE:032383

OUT4

MACHINE	1 CODE NO.	2 WIDTH (FT)	3 LIST PRICE	4 SPEED (MPH)	5 FIELD EFF.	6 RC1	7 AGE (HRS)	8 RC3	9 ANNUAL HRS	10 YEARS OWNED	11 RFV1	12 RFV2	13 PURCH PRICE	14 FUEL TYPE	15 LIFE (HRS)	16 HP
TRACTOR	1.	150.0	44350.	4.5	0.88	1.20	0.	1.50	500.	7.	0.68	0.92	40100.	3.	12000.	150.
TRACTOR	2.	125.0	39550.	4.5	0.88	1.20	0.	1.50	600.	7.	0.68	0.92	35600.	3.	12000.	125.
TRACTOR	3.	100.0	32800.	4.5	0.88	1.20	0.	1.50	500.	7.	0.68	0.92	29340.	3.	12000.	100.
TRACTOR	4.	75.0	21100.	4.5	0.88	1.20	0.	1.50	300.	7.	0.68	0.92	18990.	3.	12000.	75.
TRACTOR	5.	40.0	12100.	4.5	0.88	1.20	0.	1.50	300.	7.	0.68	0.92	10890.	3.	12000.	40.
TRACTOR 4 WH DR	6.	225.0	68000.	4.5	0.88	1.20	0.	1.50	800.	7.	0.68	0.92	59400.	3.	12000.	225.
PICKUP TRUCK	10.	0.5	8500.	30.0	0.88	0.80	0.	1.50	700.	3.	0.60	0.88	7550.	1.	2800.	30.
PECAN PICKER	18.	38.0	10000.	4.0	0.70	0.33	0.	1.50	80.	7.	0.60	0.88	10000.	1.	450.	25.
SHREDDER	30.	14.0	5180.	3.7	0.80	0.80	0.	1.50	200.	7.	0.60	0.88	4750.	0.	2000.	0.
SHREDDER	31.	9.0	2000.	3.7	0.80	0.80	0.	1.00	50.	7.	0.60	0.88	2000.	0.	2000.	0.
MOLDBOARD PLOW	32.	5.3	6480.	4.5	0.80	1.00	0.	1.30	100.	7.	0.60	0.88	6480.	0.	2000.	0.
CHISEL PLOW	33.	15.0	3780.	4.5	0.80	1.00	0.	1.50	200.	7.	0.60	0.88	3780.	0.	2000.	0.
OFFSET DISC	34.	12.0	6590.	4.8	0.83	0.85	0.	1.50	100.	7.	0.60	0.88	6590.	0.	2000.	0.
OFFSET DISC	35.	8.0	3800.	5.0	0.80	0.85	0.	1.50	50.	7.	0.60	0.88	3800.	0.	2000.	0.
BEDDER 6R	36.	20.0	3780.	4.5	0.80	1.00	0.	1.50	100.	7.	0.60	0.88	1780.	0.	2000.	0.
ROLLING CULT 4R	37.	12.0	2700.	3.5	0.80	1.00	0.	1.50	100.	7.	0.60	0.88	2700.	0.	2000.	0.
ROLLING CULT 6R	38.	18.0	3780.	3.5	0.80	1.00	0.	1.50	100.	7.	0.60	0.88	3780.	0.	2000.	0.
CULTIVATOR 4R	39.	12.0	3025.	5.0	0.80	1.00	0.	1.50	100.	7.	0.60	0.88	2550.	0.	2000.	0.
CULTIVATOR 6R	40.	18.0	3240.	5.0	0.80	1.00	0.	1.50	100.	7.	0.60	0.88	3240.	0.	2000.	0.
PLANTER 4R	41.	13.3	5180.	4.5	0.60	0.80	0.	1.50	75.	7.	0.60	0.88	5180.	0.	1200.	0.
PLANTER 6R	42.	18.0	6480.	4.5	0.60	0.80	0.	1.50	75.	7.	0.60	0.88	6480.	0.	1200.	0.
STANHAY PLANTER	44.	13.3	3240.	4.5	0.60	0.80	0.	1.50	75.	7.	0.60	0.88	3240.	0.	1200.	0.
GRAIN DRILL	46.	14.0	3890.	4.0	0.72	0.75	0.	1.50	50.	7.	0.60	0.88	3890.	0.	1000.	0.
BED SHAPER 6R	48.	12.0	2700.	4.5	0.80	1.00	0.	1.50	100.	7.	0.60	0.88	1950.	0.	2000.	0.
LAND PLANE	50.	12.0	6480.	5.0	0.60	0.80	0.	1.50	100.	7.	0.60	0.88	6480.	0.	2500.	0.
TAMDEN DISC	58.	14.0	4320.	4.5	0.83	0.85	0.	1.50	100.	7.	0.60	0.88	4320.	0.	2000.	0.
DRY FERT SPRDER	60.	20.0	2700.	4.0	0.67	1.20	0.	1.50	50.	7.	0.60	0.88	2700.	0.	1200.	0.
ANHYDROUS SPRDER	61.	18.0	1.	5.0	0.80	1.20	0.	1.50	100.	1.	1.00	1.00	1.	0.	1200.	0.
HERBICIDE SPRAYR	82.	5.0	3000.	4.0	0.85	1.00	0.	1.50	35.	7.	0.60	0.88	2900.	0.	1200.	0.
HERBICIDE SPRAYR	83.	12.0	1300.	4.0	0.85	1.00	0.	1.50	35.	7.	0.60	0.88	1300.	0.	1200.	0.
ROD WEEDER	85.	15.0	1190.	5.0	0.80	1.00	0.	1.50	100.	10.	0.60	0.88	1080.	0.	2000.	0.
PEANUT DIG SHK2R	86.	5.7	3240.	2.5	0.60	1.00	0.	1.30	250.	12.	0.60	0.88	1300.	0.	3000.	0.
PEANUT COMB. 4R	87.	13.3	16200.	2.5	0.60	0.50	0.	1.50	250.	12.	0.60	0.88	16200.	0.	3000.	0.
PEANUT PLANTER	88.	12.7	5400.	4.5	0.60	0.80	0.	1.50	75.	10.	0.60	0.88	5400.	0.	1200.	0.
HARROW SPIKE	73.	24.0	1820.	4.5	0.80	0.85	0.	1.50	35.	10.	0.60	0.88	1620.	0.	2000.	0.
SPRAYER H. SPEED	83.	150.0	5500.	0.3	0.70	0.80	0.	1.50	200.	7.	0.60	0.88	5500.	0.	2000.	0.
SPRAYER HYDRAULIC	84.	150.0	1500.	0.3	0.70	0.80	0.	1.50	200.	7.	0.60	0.88	1000.	0.	3000.	0.
PECAN SHAKER HYD	87.	10.5	4200.	5.0	0.60	0.33	0.	1.50	140.	10.	0.60	0.88	3800.	0.	1500.	0.

TEXAS ENTERPRISE BUDGETS

TEXAS EDWARDS AQUIFER REGION

Projected for 1983

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ECO 7-2

COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER COW
UNIMPROVED BRUSH COUNTRY

INVESTMENT REQUIREMENTS				PROJECTED		YOUR
	NUMBER	UNIT	SIZE	\$/UNIT	VALUE	ESTIMATE
COW RAISED	1.00	HEAD	1.00	684.37	684.37	
BULL PURCHASED	0.03	HEAD	1.00	1250.00	41.66	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 788.57	\$
PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	\$/UNIT	RETURN	
STEER CALVES	0.40	4.50	1.8 CWT.	67.50	121.50	
HEIFER CALVES	0.27	4.10	1.1 CWT.	60.75	67.25	
CULL COWS	0.10	9.50	0.9 CWT.	36.50	34.67	
DEER LEASE	20.00	1.00	20.0 ACRE	2.50	50.00	
TOTAL PROJECTED RETURNS					\$ 273.43	\$
OPERATING INPUTS				PROJECTED		
	INPUT	USE	UNIT	\$/UNIT	COST	
SALT & MIN.	50.00		LB.	0.23	11.50	
VET MEDICINE	2.00		DOL.	5.00	10.00	
COTTONSEED CAKE	180.00		LB.	0.13	23.40	
SALES COMM	9.00		DOL.	1.00	9.00	
CUSTOM HAULING	1.00		HEAD	0.50	0.50	
WATER FACIL REPR	1.00		HEAD	2.00	2.00	
MISC EXPENSE	10.00		DOL.	1.00	10.00	
EQUIPMENT FUEL AND LUBE					4.34	
EQUIPMENT REPAIR					1.06	
TOTAL OPERATING COST					\$ 71.80	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 201.63	\$
CAPITAL INVESTMENT				QUANTITY	UNIT	RATE OF
				INVESTED		RETURN
ANNUAL OPERATING CAPITAL	-5.30		DOL.	0.140		-0.74
EQUIPMENT INVESTMENT	56.38		DOL.	0.140		7.89
LIVESTOCK INVESTMENT	788.57		DOL.	0.140		110.40
TOTAL CAPITAL COST						\$ 117.55
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 84.08	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)				PROJECTED		
					COST	
EQUIPMENT					9.70	
LIVESTOCK					34.47	
TOTAL OWNERSHIP COST					\$ 44.17	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 39.90	\$
OPERATOR LABOR COSTS				LABOR USE	UNIT	RATE OF
						RETURN
EQUIPMENT	1.75		HOUR	3.80		6.65
LIVESTOCK	7.50		HOUR	3.80		28.50
TOTAL LABOR COST						\$ 35.15
RESIDUAL RETURNS TO LAND, MANAGEMENT, AND PROFIT					\$ 4.75	\$
LAND COSTS				INPUT	USE	UNIT
PASTURE RENT	20.00		ACRE	3.50		70.00
TOTAL LAND COST						\$ 70.00
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -65.25	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 338.67	\$

SPRING CALVING, 80% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 10,000 ACRE RANCH, 500 ANIMAL UNITS.

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.

**COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER COW
UNIMPROVED BRUSH COUNTRY**

	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	TOTAL
(DOLLARS)													
AVER. ANNUAL CAPITAL	-0.93	-0.03	0.25	1.92	0.10	1.09	2.37	3.87	-10.97	1.05	-2.24	-1.59	-5.30
(HOURS)													
LABOR REQUIREMENTS													
MACHINERY LABOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT LABOR	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	1.75
LIVESTOCK LABOR	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	7.50
TOTAL LABOR	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	9.25

EQUIPMENT FIXED AND VARIABLE COSTS PER YEAR

EQUIPMENT	CODE	DEPR	INT.	INS.	TAX	REPAIR	FUEL	LUB.	TOTAL OWN.	TOTAL OPER.	HOURS LABOR	ALLOC (.%)
STOCK TRAILER	1	214.00	201.18	14.37	7.18	13.00	0.0	0.0	436.73	13.00	0.0	0.002
STOCK SPRAYER	2	90.00	83.30	5.95	2.97	10.00	0.0	0.0	182.22	10.00	0.0	0.002
TACK	3	45.00	41.85	2.98	1.49	5.00	0.0	0.0	91.11	5.00	0.0	0.010
FENCE	4	83.33	75.83	5.42	2.71	4.17	0.0	0.0	167.29	4.17	0.0	0.002
PICKUP TRUCK	10	1087.14	886.00	83.29	31.84	252.00	1852.00	82.80	2038.07	1886.80	700.00	0.002
COW RAISED	51	18.75	95.81	6.84	3.42	0.0	0.0	0.0	124.83	0.0	0.0	1.000
BULL PURCHASED	54	100.00	175.00	12.50	8.25	0.0	0.0	0.0	293.75	0.0	0.0	0.033
HEIFER RAISED	55	0.0	63.00	4.50	2.25	0.0	0.0	0.0	89.75	0.0	0.0	0.130
HORSE	95	70.31	70.55	5.04	2.52	9.38	0.0	0.0	148.42	9.38	0.0	0.008

SELECTED EQUIPMENT COMPLEMENT INFORMATION

EQUIPMENT	1 CODE NO.	2 SIZE	3 UNIT	4 TYPE	5 LIST PRICE	6 PURCH PRICE	7 LIFE (YRS)	8 SALV. (%LP)	9 REPAIR (%LP)	10 FUEL USE	11 ANNUAL LABOR	12 ANNUAL USE	13 XXXXXX	14 XXXXXX	15 EFF.
STOCK TRAILER	1.	18.	CWT.	2.	2800.	2400.	10.	0.10	0.05	0.0	0.0	0.0	0.0	0.0	0.0
STOCK SPRAYER	2.	150.	GAL.	2.	1000.	1000.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
TACK	3.	1.	DOL.	2.	500.	500.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
FENCE	4.	1.	MILE	2.	1000.	1000.	12.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
PICKUP TRUCK	10.	1.	TON	2.	10500.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
COW RAISED	51.	1.	HEAD	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BULL PURCHASED	54.	1.	HEAD	1.	1800.	1500.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEIFER RAISED	55.	1.	HEAD	1.	450.	450.	8.	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HORSE	95.	1.	HEAD	1.	750.	750.	8.	0.25	0.10	0.0	0.0	0.0	0.0	0.0	0.0

COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER COW
ONE-THIRD IMPROVED AND TWO-THIRDS UNIMPROVED PASTURE

INVESTMENT REQUIREMENTS				PROJECTED		YOUR
	NUMBER	UNIT	SIZE	\$/UNIT	VALUE	ESTIMATE
COW RAISED	1.00	HEAD	1.00	684.37	684.37	
BULL PURCHASED	0.03	HEAD	1.00	1250.00	35.71	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 782.62	\$

PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	\$/UNIT	RETURN	
STEER CALVES	0.42	4.80	2.0 CWT.	67.50	136.08	
HEIFER CALVES	0.29	4.30	1.2 CWT.	60.75	75.76	
CULL COWS	0.10	9.75	1.0 CWT.	36.50	35.59	
DEER LEASE	15.00	1.00	15.0 ACRE	2.50	37.50	
TOTAL PROJECTED RETURNS					\$ 284.92	\$

OPERATING INPUTS				PROJECTED		
	INPUT	USE	UNIT	\$/UNIT	COST	
SALT & MIN.	50.00	LB.		0.23	11.50	
VET MEDICINE	2.00	DOL.		5.00	10.00	
COTTONSEED CAKE	180.00	LB.		0.13	23.40	
SALES COMM	10.00	DOL.		1.00	10.00	
HAULING&MKTG	1.00	HEAD		1.00	1.00	
WATER FACIL REPR	0.90	HEAD		2.00	1.80	
MISC EXPENSE	9.00	DOL.		1.00	9.00	
PASTURE MAINT.	4.29	ACRE		3.00	12.87	
EQUIPMENT FUEL AND LUBE					6.94	
EQUIPMENT REPAIR					1.19	
TOTAL OPERATING COST					\$ 87.70	\$

RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 197.22	\$
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CAPITAL INVESTMENT		QUANTITY	UNIT	RATE OF	PROJECTED	
		INVESTED		RETURN	COST	
ANNUAL OPERATING CAPITAL	10.03	DOL.		0.140	1.40	
EQUIPMENT INVESTMENT	33.68	DOL.		0.140	4.72	
LIVESTOCK INVESTMENT	782.62	DOL.		0.140	109.57	
TOTAL CAPITAL COST					\$ 115.69	\$

RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 81.54	\$
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OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)				PROJECTED		
					COST	
EQUIPMENT					5.99	
LIVESTOCK					33.91	
TOTAL OWNERSHIP COST					\$ 39.90	\$

RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 41.64	\$
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OPERATOR LABOR COSTS		LABOR	UNIT	RATE OF	PROJECTED	
		USE		RETURN	COST	
EQUIPMENT	2.80	HOUR		3.80	10.64	
LIVESTOCK	6.50	HOUR		3.80	24.70	
TOTAL LABOR COST					\$ 35.34	\$

RESIDUAL RETURNS TO LAND, MANAGEMENT, AND PROFIT					\$ 6.30	\$
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LAND COSTS		INPUT	UNIT	RATE OF	PROJECTED	
		USE		RETURN	COST	
PASTURE RENT	15.00	ACRE		4.50	67.50	
TOTAL LAND COST					\$ 67.50	\$

RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -61.20	\$
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TOTAL PROJECTED COST OF PRODUCTION					\$ 346.12	\$
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SPRING CALVING, 83% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 4500 ACRE RANCH, 250 ANIMAL UNITS.

COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER COW
ONE-THIRD IMPROVED AND TWO-THIRDS UNIMPROVED PASTURE

	1	2	3	4	5	6	7	8	9	10	11	12	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
	(DOLLARS)												TOTAL
AVER. ANNUAL CAPITAL	0.41	1.81	2.20	3.25	1.25	2.41	4.48	5.85	-10.81	0.67	-1.12	-0.36	10.03
	(HOURS)												TOTAL
LABOR REQUIREMENTS													
MACHINERY LABOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT LABOR	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	2.80
LIVESTOCK LABOR	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	6.50
TOTAL LABOR	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	9.30

EQUIPMENT FIXED AND VARIABLE COSTS PER YEAR

EQUIPMENT	CODE	DEPR	INT.	INS.	TAX	REPAIR	FUEL	LUB.	TOTAL OWN.	TOTAL OPER.	HOURS LABOR	ALLOC (.%)
STOCK TRAILER	1	214.00	201.18	14.37	7.18	13.00	0.0	0.0	436.73	13.00	0.0	0.003
STOCK SPRAYER	2	90.00	83.30	5.95	2.97	10.00	0.0	0.0	182.22	10.00	0.0	0.003
TACK	3	45.00	41.85	2.98	1.49	5.00	0.0	0.0	91.11	5.00	0.0	0.009
PICKUP TRUCK	10	1057.14	888.00	63.29	31.84	252.00	1852.00	82.80	2038.07	1988.80	700.00	0.004
COW RAISED	51	18.75	95.81	6.84	3.42	0.0	0.0	0.0	124.83	0.0	0.0	1.000
BULL PURCHASED	54	100.00	178.00	12.50	6.25	0.0	0.0	0.0	293.75	0.0	0.0	0.029
HEIFER RAISED	55	0.0	63.00	4.50	2.25	0.0	0.0	0.0	69.75	0.0	0.0	0.130
HORSE	95	70.31	70.55	5.04	2.52	9.38	0.0	0.0	148.42	9.38	0.0	0.008

SELECTED EQUIPMENT COMPLEMENT INFORMATION

EQUIPMENT	1 CODE NO.	2 SIZE	3 UNIT	4 TYPE	5 LIST PRICE	6 PURCH PRICE	7 LIFE (YRS)	8 SALV. [%LP]	9 REPAIR [%LP]	10 FUEL USE	11 ANNUAL LABOR	12 ANNUAL USE	13 XXXXXX	14 XXXXXX	15 EFF.
STOCK TRAILER	1.	18.	CWT.	2.	2800.	2400.	10.	0.10	0.05	0.0	0.0	0.0	0.0	0.0	0.0
STOCK SPRAYER	2.	150.	GAL.	2.	1000.	1000.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
TACK	3.	1.	DOL.	2.	500.	500.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
PICKUP TRUCK	10.	1.	TON	2.	10500.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
COW RAISED	51.	1.	HEAD	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BULL PURCHASED	54.	1.	HEAD	1.	1500.	1500.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEIFER RAISED	55.	1.	HEAD	1.	450.	450.	8.	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HORSE	95.	1.	HEAD	1.	750.	750.	8.	0.25	0.10	0.0	0.0	0.0	0.0	0.0	0.0

COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER COW
IMPROVED PASTURE

INVESTMENT REQUIREMENTS				PROJECTED		YOUR
	NUMBER	UNIT	SIZE	\$/UNIT	VALUE	ESTIMATE
COW RAISED	1.00	HEAD	1.00	684.37	684.37	
BULL PURCHASED	0.03	HEAD	1.00	1250.00	35.75	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 782.66	\$
PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	\$/UNIT	RETURN	
STEER CALVES	0.43	5.00	2.1 CWT.	67.50	145.12	
HEIFER CALVES	0.30	4.60	1.4 CWT.	60.75	83.83	
CULL COWS	0.10	10.00	1.0 CWT.	36.50	36.50	
TOTAL PROJECTED RETURNS					\$ 265.46	\$
OPERATING INPUTS				PROJECTED		
		INPUT USE	UNIT	\$/UNIT	COST	
SALT & MIN.		50.00	LB.	0.23	11.50	
VET MEDICINE		2.00	DOL.	5.00	10.00	
COTTONSEED CAKE		160.00	LB.	0.13	20.80	
SALES COMM		10.00	DOL.	1.00	10.00	
CUSTOM HAULING		1.00	HEAD	0.50	0.50	
WATER FACIL REPR		0.75	HEAD	2.00	1.50	
PASTURE MAINT.		6.67	ACRE	3.00	20.01	
MISC EXPENSE		8.00	DOL.	1.00	8.00	
EQUIPMENT FUEL AND LUBE					8.67	
EQUIPMENT REPAIR					1.68	
TOTAL OPERATING COST					\$ 92.67	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 172.79	\$
CAPITAL INVESTMENT				QUANTITY INVESTED	UNIT	RATE OF RETURN
ANNUAL OPERATING CAPITAL		50.02	DOL.	0.140		7.00
EQUIPMENT INVESTMENT		70.51	DOL.	0.140		9.87
LIVESTOCK INVESTMENT		782.66	DOL.	0.140		109.57
TOTAL CAPITAL COST						\$ 126.44
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 46.35	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)					PROJECTED COST	
EQUIPMENT					12.29	
LIVESTOCK					33.91	
TOTAL OWNERSHIP COST					\$ 46.20	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 0.15	\$
OPERATOR LABOR COSTS				LABOR USE	UNIT	RATE OF RETURN
EQUIPMENT		3.50	HOUR	3.80		13.30
LIVESTOCK		6.00	HOUR	3.80		22.80
TOTAL LABOR COST						\$ 36.10
RESIDUAL RETURNS TO LAND, MANAGEMENT, AND PROFIT					\$ -35.95	\$
LAND COSTS				INPUT USE	UNIT	RATE OF RETURN
PASTURE RENT		10.00	ACRE	7.50		75.00
TOTAL LAND COST						\$ 75.00
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -110.95	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 376.41	\$

SPRING CALVING, 86% CALF CROP, 3% DEATH LOSS ON COWS, 13% REPLACEMENT RATE, 2000 ACRE RANCH, 200 ANIMAL UNITS.

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.

**COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER COW
IMPROVED PASTURE**

	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	
	(DOLLARS)												TOTAL
AYER. ANNUAL CAPITAL	4.00	5.25	5.01	7.13	5.12	6.03	8.13	9.37	-8.15	1.38	2.58	3.17	50.02
	(HOURS)												TOTAL
LABOR REQUIREMENTS													
MACHINERY LABOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT LABOR	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	3.50
LIVESTOCK LABOR	0.80	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
TOTAL LABOR	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	9.50

EQUIPMENT FIXED AND VARIABLE COSTS PER YEAR

EQUIPMENT	CODE	DEPR	INT.	INS.	TAX	REPAIR	FUEL	LUB.	TOTAL OWN.	TOTAL OPER.	HOURS LABOR	ALLOC (.%)
STOCK TRAILER	1	214.00	201.18	14.37	7.18	13.00	0.0	0.0	436.73	13.00	0.0	0.003
STOCK SPRAYER	2	90.00	83.30	5.95	2.97	10.00	0.0	0.0	182.22	10.00	0.0	0.003
TACK	3	45.00	41.65	2.98	1.49	5.00	0.0	0.0	91.11	5.00	0.0	0.010
FENCE	4	83.33	75.83	5.42	2.71	4.17	0.0	0.0	167.29	4.17	0.0	0.005
PICKUP TRUCK	10	1057.14	886.00	63.29	31.84	252.00	1652.00	82.80	2038.07	1988.80	700.00	0.005
COW RAISED	51	18.75	95.81	6.84	3.42	0.0	0.0	0.0	124.83	0.0	0.0	1.000
BULL PURCHASED	54	100.00	175.00	12.50	8.25	0.0	0.0	0.0	283.75	0.0	0.0	0.029
HEIFER RAISED	55	0.0	63.00	4.50	2.25	0.0	0.0	0.0	69.75	0.0	0.0	0.130
HORSE	95	70.31	70.55	5.04	2.52	9.38	0.0	0.0	148.42	9.38	0.0	0.008

SELECTED EQUIPMENT COMPLEMENT INFORMATION

EQUIPMENT	1 CODE NO.	2 SIZE	3 UNIT	4 TYPE	5 LIST PRICE	6 PURCH PRICE	7 LIFE (YRS)	8 SALV. [%LP]	9 REPAIR [%LP]	10 FUEL USE	11 ANNUAL LABOR	12 ANNUAL USE	13 XXXXXX	14 XXXXXX	15 EFF.
STOCK TRAILER	1.	18.	CWT.	2.	2800.	2400.	10.	0.10	0.05	0.0	0.0	0.0	0.0	0.0	0.0
STOCK SPRAYER	2.	150.	GAL.	2.	1000.	1000.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
TACK	3.	1.	DOL.	2.	500.	500.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
FENCE	4.	1.	MILE	2.	1000.	1000.	12.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
PICKUP TRUCK	10.	1.	TON	2.	10500.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
COW RAISED	51.	1.	HEAD	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BULL PURCHASED	54.	1.	HEAD	1.	1500.	1500.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEIFER RAISED	55.	1.	HEAD	1.	450.	450.	8.	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HORSE	95.	1.	HEAD	1.	750.	750.	8.	0.25	0.10	0.0	0.0	0.0	0.0	0.0	0.0

LISTING OF ECONOMIC AND ENGINEERING DATA FOR EQUIPMENT IN REGION 16

DATE:101882

LUT4

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EQUIPMENT NAME	CODE	SIZE	UNIT	TYPE	LIST PRICE	PURCH. PRICE	LIFE [YRS]	SALV. [%LP]	REPAIR [%LP]	FUEL USE	ANNUAL LABOR	ANNUAL USE	XXXXXX	XXXXXX	EFF.
STOCK TRAILER	1.	16.	16.	2.	2600.	2400.	10.	0.10	0.05	0.0	0.0	0.0	0.0	0.0	0.0
STOCK SPRAYER	2.	150.	5.	2.	1000.	1000.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
TACK	3.	1.	15.	2.	500.	500.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
FENCE	4.	1.	18.	2.	1000.	1000.	12.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
PICKUP TRUCK	10.	1.	3.	2.	10500.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
COW RAISED	51.	1.	1.	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COW PURCHASED	52.	1.	1.	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BULL PURCHASED	54.	1.	1.	1.	1500.	1500.	6.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEIFER RAISED	55.	1.	1.	1.	450.	450.	8.	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HORSE	95.	1.	1.	1.	750.	750.	8.	0.25	0.10	0.0	0.0	0.0	0.0	0.0	0.0