

CUCUMBERS, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 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					
INPUT USE					
PREHARVEST COSTS					
*CUCUMBER SEED	3.00	LB.	5.30	15.90	
*NITROGEN (LIQ)	40.00	LB.	0.26	10.40	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	6.00	6.00	
*INSECTICIDE	1.00	APPL	10.00	10.00	
*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	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.49	
EQUIPMENT		ACRE		1.09	
IRRIGATION		ACRE		68.00	
REPAIRS-----TRACTOR		ACRE		4.11	
EQUIPMENT		ACRE		2.61	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	2.50	HOURL	5.00	12.48	
IRRIGATION	1.60	HOURL	4.00	6.40	
EQUIPMENT	0.49	HOURL	4.00	1.96	
OTHER	10.00	HOURL	4.00	40.00	
OPERATING CAPITAL	17.43	DOL.	0.125	2.18	
SUBTOTAL, PREHARVEST		ACRE		\$ 285.82	\$
HARVEST COSTS					
HRV,PKG,MKT	250.00	CRTN	4.25	1062.50	
SUBTOTAL, HARVEST		ACRE		\$ 1062.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1348.32	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.39/CRTN	CUCUMBERS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 276.68	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		29.28	
EQUIPMENT		ACRE		21.53	
IRRIGATION		ACRE		26.40	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 134.71	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 1483.03	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.93/CRTN	CUCUMBERS	
6. NET PROJECTED RETURNS		ACRE		\$ 141.97	\$

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 EDWARDS AQUIFER REGION
1984 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	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	JUNE	2.20	0.501	0.380	3.62	2.51	0.0	10.43	16.55
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	6.00	2.01	8.09
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.48	1.02	28.00	3.85	34.35
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.23	1.52	15.90	5.24	24.89
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				2.497	2.156	21.04	12.48	49.90	49.47	132.89

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	NOV	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	AUG	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	SEPT	4.00	0.400	0.0	18.80	1.60	10.40	6.60	37.40
WATER APPLICATION	OCT	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		16.00	1.600	0.0	75.20	6.40	10.40	26.40	118.40

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	CRTN					
	200.00	-95.82	34.18	164.18	294.17	424.17
	225.00	-72.07	74.18	220.43	366.67	512.92
	250.00	-48.32	114.18	276.68	439.17	601.67
	275.00	-24.57	154.18	332.92	511.67	690.42
	300.00	-0.82	194.18	389.17	584.17	779.17

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

CUCUMBERS (PICKLES) IRRIGATED
 TEXAS EDWARDS AQUIFER REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	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.	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	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.	0.26	10.40	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		15.63	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		51.00	
REPAIRS-----TRACTOR		ACRE		4.45	
EQUIPMENT		ACRE		2.65	
IRRIGATION		ACRE		5.40	
LABOR-----MACHINERY	2.72	HOURL	5.00	13.62	
IRRIGATION	1.20	HOURL	4.00	4.80	
EQUIPMENT	0.28	HOURL	4.00	1.12	
OTHER	10.00	HOURL	4.00	40.00	
OPERATING CAPITAL	33.20	DOL.	0.125	4.15	
SUBTOTAL, PREHARVEST		ACRE		\$ 294.34	\$
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	
SUBTOTAL, HARVEST		ACRE		\$ 420.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 714.34	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 6.80/CWT.	CUCUMB. PICKLES	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 73.16	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		31.69	
EQUIPMENT		ACRE		21.85	
IRRIGATION		ACRE		19.80	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 130.83	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 845.17	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 8.05/CWT.	CUCUMB. PICKLES	
6. NET PROJECTED RETURNS		ACRE		\$ -57.67	\$

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
1984 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	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	AUG	2.20	0.501	0.380	3.62	2.51	0.0	10.43	16.55
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	6.00	2.01	8.09
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.48	1.02	28.00	3.85	34.35
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.23	1.52	18.00	5.24	26.99
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				2.723	2.328	22.63	13.62	52.00	52.77	141.01

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	14.10	1.20	0.0	4.95	20.25
WATER APPLICATION	SEPT	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
WATER APPLICATION	OCT	3.00	0.300	0.0	14.10	1.20	10.40	4.95	30.65
WATER APPLICATION	NOV	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
TOTALS		12.00	1.200	0.0	56.40	4.80	10.40	19.80	91.40

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	-126.34	-63.34	-0.34	62.66	125.66
	94.50	-105.34	-34.46	36.41	107.29	178.16
	105.00	-84.34	-5.59	73.16	151.91	230.66
	115.50	-63.34	23.29	109.91	196.54	283.16
	126.00	-42.34	52.16	146.66	241.16	335.66

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

LETTUCE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 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					
INPUT USE					
PREHARVEST COSTS					
*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		16.01	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		51.00	_____
REPAIRS-----TRACTOR		ACRE		4.44	_____
EQUIPMENT		ACRE		2.66	_____
IRRIGATION		ACRE		5.40	_____
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	15.96	DOL.	0.125	1.99	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 422.96	\$ _____
HARVEST COSTS					
HARV,PKG,HAUL	500.00	CRTN	4.25	2125.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 2125.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 2547.96	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.10/CRTN	LETTUCE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 202.04	\$ _____
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		31.65	_____
EQUIPMENT		ACRE		21.58	_____
IRRIGATION		ACRE		19.80	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 130.53	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 2678.49	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.36/CRTN	LETTUCE	
6. NET PROJECTED RETURNS		ACRE		\$ 71.51	\$ _____

LETTUCE IS 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.

LETTUCE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 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	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
OFFSET DISC	3,34	AUG	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
STANHAY PLANTER	3,44	OCT	1.00	0.303	0.230	2.23	1.52	28.00	5.24	36.99
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	9.00	2.01	11.09
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.48	1.02	37.10	3.85	43.45
TOTALS				2.547	2.194	22.89	12.73	74.10	51.51	161.24

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	18.80	1.60	19.50	6.60	46.50
WATER APPLICATION	NOV	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	DEC	4.00	0.400	0.0	18.80	1.60	19.50	6.60	46.50
TOTALS		12.00	1.200	0.0	56.40	4.80	39.00	19.80	120.00

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF LETTUCE
(DOLLARS)

		4.40	4.95	5.50	6.05	6.60
QUANTITY OF LETTUCE	CRTN					
	400.00	-362.96	-142.96	77.04	297.04	517.04
	450.00	-355.46	-107.96	139.54	387.04	634.54
	500.00	-347.96	-72.96	202.04	477.04	752.04
	550.00	-340.46	-37.96	264.54	567.04	869.54
	600.00	-332.96	-2.96	327.04	657.04	987.04

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

ONIONS, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
ONIONS	450.00	BAG	5.50	2475.00	
TOTAL PROJECTED RETURNS				\$ 2475.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*ONION SEED	3.00	LB.	16.00	48.00	
*NITROGEN (LIQ)	50.00	LB.	0.26	13.00	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	25.00	25.00	
*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	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		18.67	
EQUIPMENT		ACRE		1.09	
IRRIGATION		ACRE		76.50	
REPAIRS-----TRACTOR		ACRE		5.29	
EQUIPMENT		ACRE		2.95	
IRRIGATION		ACRE		8.10	
LABOR-----MACHINERY	3.20	HOUR	5.00	16.01	
IRRIGATION	1.80	HOUR	4.00	7.20	
EQUIPMENT	0.49	HOUR	4.00	1.96	
OTHER	10.00	HOUR	4.00	40.00	
OPERATING CAPITAL	82.57	DOL.	0.125	10.32	
SUBTOTAL, PREHARVEST		ACRE		\$ 379.69	\$
HARVEST COSTS					
HARV,PKG,MKT	450.00	BAG	3.30	1485.00	
SUBTOTAL, HARVEST		ACRE		\$ 1485.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1864.69	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.14/BAG	ONIONS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 610.31	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		37.68	
EQUIPMENT		ACRE		24.04	
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		\$ 156.42	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2021.11	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.49/BAG	ONIONS	
6. NET PROJECTED RETURNS		ACRE		\$ 453.89	\$

ONIONS ARE PACKED AND MARKETING IN 50 POUND 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.

ONIONS, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 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	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
OFFSET DISC	3,34	OCT	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
MOLDBOARD PLOW	1,32	OCT	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	OCT	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	OCT	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	25.00	2.01	27.09
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.48	1.02	30.60	3.85	36.95
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
CULTIVATOR 4R	3,39	NOV	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
STANHAY PLANTER	3,44	NOV	1.00	0.303	0.230	2.23	1.52	48.00	5.24	56.99
CULTIVATOR 4R	3,39	JAN	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
CULTIVATOR 4R	3,39	FEB	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.59	1.13	0.0	3.30	6.02
TOTALS				3.202	2.690	26.73	16.01	103.60	60.39	206.73

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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	DEC	4.00	0.400	0.0	18.80	1.60	13.00	6.60	40.00
WATER APPLICATION	JAN	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	MAR	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
WATER APPLICATION	APR	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
TOTALS		18.00	1.800	0.0	84.60	7.20	13.00	29.70	134.50

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
QUANTITY OF ONIONS	BAG					
	360.00	16.31	214.31	412.31	610.31	808.31
	405.00	65.81	288.56	511.31	734.06	956.81
	450.00	115.31	362.81	610.31	857.81	1105.31
	495.00	164.81	437.06	709.31	981.56	1253.81
	540.00	214.31	511.31	808.31	1105.31	1402.31

FRESH MARKET SPINACH, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 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					
INPUT USE					
PREHARVEST COSTS					
*SPINACH-FRESH SD	8.00	LB.	2.40	19.20	
*NITROGEN (LIQ)	60.00	LB.	0.26	15.60	
*PHOSPHATE	120.00	LB.	0.22	26.40	
*HERBICIDE	1.00	ACRE	25.00	25.00	
*INSECTICIDE	6.00	APPL	13.00	78.00	
*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		19.24	
EQUIPMENT		ACRE		1.71	
IRRIGATION		ACRE		68.00	
REPAIRS-----TRACTOR		ACRE		5.40	
EQUIPMENT		ACRE		3.16	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	2.98	HOUR	5.00	14.88	
IRRIGATION	1.60	HOUR	4.00	6.40	
EQUIPMENT	0.77	HOUR	4.00	3.08	
OTHER	7.00	HOUR	4.00	28.00	
OPERATING CAPITAL	88.28	DOL.	0.125	11.04	
SUBTOTAL, PREHARVEST		ACRE		\$ 399.61	\$
HARVEST COSTS					
HARV,PKG,MKT	400.00	BU.	4.50	1800.00	
SUBTOTAL, HARVEST		ACRE		\$ 1800.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2199.61	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 5.50/BU.		SPINACH, FRESH	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 100.39	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		36.71	
EQUIPMENT		ACRE		25.13	
IRRIGATION		ACRE		26.40	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 145.74	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2345.34	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 5.86/BU.		SPINACH, FRESH	
6. NET PROJECTED RETURNS		ACRE		\$ -45.34	\$

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
1984 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	1.94	1.31	0.0	3.74	7.00
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.47	2.51	0.0	10.30	17.28
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	25.00	2.01	27.09
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.48	1.02	34.20	3.85	40.55
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
PLANTER 4R	3,41	SEPT	1.00	0.303	0.230	2.46	1.52	19.20	6.46	29.64
BED SHAPER 6R	3,48	SEPT	1.00	0.252	0.191	1.75	1.26	0.0	3.40	6.41
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
TOTALS				2.975	2.519	27.52	14.88	78.40	59.73	180.54

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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	SEPT	4.00	0.400	0.0	18.80	1.60	15.60	6.60	42.60
WATER APPLICATION	NOV	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JAN	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		16.00	1.600	0.0	75.20	6.40	15.60	26.40	123.60

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, FRESH
(DOLLARS)

		4.60	5.18	5.75	6.32	6.90
BU.						
QUANTITY OF SPINACH, FRESH	320.00	-367.61	-183.61	0.39	184.39	368.39
	360.00	-363.61	-156.61	50.39	257.39	464.39
	400.00	-359.61	-129.61	100.39	330.39	560.39
	440.00	-355.61	-102.61	150.39	403.39	656.39
	480.00	-351.61	-75.61	200.39	476.39	752.39

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
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPINACH, PROCESS	7.50	TON	84.50	633.75	
SPINACH SECONDS	0.80	TON	1.00	0.80	
TOTAL PROJECTED RETURNS				\$ 634.55	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SPINACH-PROC. SD	16.00	LB.	1.60	25.60	
*NITROGEN (LIQ)	60.00	LB.	0.26	15.60	
*PHOSPHATE	150.00	LB.	0.22	33.00	
*HERBICIDE	1.00	ACRE	25.00	25.00	
*INSECTICIDE	8.00	APPL	13.00	104.00	
*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		21.47	
EQUIPMENT		ACRE		0.93	
IRRIGATION		ACRE		85.00	
REPAIRS-----TRACTOR		ACRE		5.91	
EQUIPMENT		ACRE		3.04	
IRRIGATION		ACRE		9.00	
LABOR-----MACHINERY	2.98	HOURL	5.00	14.88	
IRRIGATION	2.00	HOURL	4.00	8.00	
EQUIPMENT	0.42	HOURL	4.00	1.68	
OTHER	6.00	HOURL	4.00	24.00	
OPERATING CAPITAL	114.56	DOL.	0.125	14.32	
SUBTOTAL, PREHARVEST		ACRE		\$ 450.03	\$
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	5.50	49.50	
SUBTOTAL, HARVEST		ACRE		\$ 49.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 499.53	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 66.50/TON	SPINACH, PROCESS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 135.02	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		39.40	
EQUIPMENT		ACRE		24.17	
IRRIGATION		ACRE		33.00	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 154.08	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 653.60	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 87.04/TON	SPINACH, PROCESS	
6. NET PROJECTED RETURNS		ACRE		\$ -19.05	\$

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
1984 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	2.39	1.31	0.0	3.67	7.38
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.47	2.51	0.0	10.30	17.28
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.54	0.76	0.0	2.51	4.80
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	25.00	2.01	27.09
DRY FERT SPRDER	1,60	AUG	1.00	0.203	0.154	2.09	1.02	48.60	4.59	56.30
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
PLANTER 4R	1,41	SEPT	1.00	0.303	0.230	3.38	1.52	25.60	7.56	38.06
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.52	1.26	0.0	4.32	8.09
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.28	1.13	0.0	4.12	7.54
TOTALS				2.975	2.519	30.27	14.88	99.20	62.43	206.77

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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	OCT	4.00	0.400	0.0	18.80	1.60	15.60	6.60	42.60
WATER APPLICATION	NOV	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
WATER APPLICATION	DEC	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
WATER APPLICATION	JAN	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
WATER APPLICATION	FEB	3.00	0.300	0.0	14.10	1.20	0.0	4.95	20.25
TOTALS		20.00	2.000	0.0	94.00	8.00	15.60	33.00	150.60

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)

TON	67.60	76.05	84.50	92.95	101.40
6.00	-83.39	-32.69	18.01	68.71	119.41
6.75	-37.56	19.48	76.52	133.55	190.59
QUANTITY OF SPINACH, PROCESS	8.27	71.65	135.02	198.40	261.77
8.25	54.10	123.81	193.53	263.24	332.95
9.00	99.93	175.98	252.03	328.08	404.13

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	CWT.	71.00	247	CUST. PCNB FUNG.	PEAN	APPL	43.00
14	HEIFER CALVES	_____	CWT.	61.00	248	CUST. PCNB FUNG.	PEAN	LB.	0.45
17	CULL COWS	_____	CWT.	36.50	249	HERB, POSTEMERGE	PEAN	ACRE	9.00
28	DEER LEASE	_____	ACRE	2.50	250	HERBICIDE	RDUP	QT.	18.50
70	DEFICIENCY PMT.	WHET	BU.	1.15	256	DEFOLIANT	_____	ACRE	12.50
71	DEFICIENCY PMT.	SORG	CWT.	0.82	269	CUSTOM HARVEST	WHET	ACRE	17.50
73	GRAIN SORGHUM	_____	CWT.	4.75	270	CUSTOM HARVEST D	SORG	ACRE	18.00
77	CORN	FOOD	BU.	3.95	271	CUSTOM HARVEST I	SORG	CWT.	0.45
79	WINTER WHEAT	_____	BU.	3.35	272	CUSTOM HARVEST	CORN	ACRE	25.00
80	SPRING WHEAT	_____	BU.	3.35	275	CUSTOM HARV&HAUL	BEET	TON	11.00
82	PROC. BEETS #1	FOOD	TON	72.00	282	GIN, BAG, TIES	_____	BALE	49.00
83	PROC. BEETS #2	FOOD	TON	90.00	283	HAUL GRAIN SORG	_____	CWT.	0.30
84	PROC. BEETS #3	FOOD	TON	10.00	284	HAUL WHEAT	_____	BU.	0.15
85	USABLE CULLS	BEET	TON	1.00	285	HAUL CORN	_____	BU.	0.17
86	PROC. CARROTS #2	_____	TON	64.00	288	HAUL GUAR	_____	CWT.	0.25
87	PROC. CARROTS #3	_____	TON	36.00	289	CUS HARV GUAR	_____	ACRE	25.00
88	PROC. CARROTS #1	_____	TON	15.00	291	SD COTTON-UPLAND	_____	LB.	0.60
89	CARROT CULLS	_____	TON	1.00	296	HARVEST AND HAUL	CARR	TON	11.00
90	DEFICIENCY PMT.	COTT	LB.	0.18	297	CUSTOM COMBINE	PEAN	CWT.	1.50
91	DEFICIENCY PMT.	CORN	BU.	0.35	311	HIRE PLANT EQUIP	PECN	HOUR	2.00
92	GUAR	_____	CWT.	20.00	315	CUSTOM CHSL PLOW	PECN	APPL	10.00
93	COTTON LINT	DRY	LB.	0.55	322	CUSTOM HAULING	COW	HEAD	8.00
94	COTTONSEED	_____	TON	180.00	328	CUST COTTON PICK	_____	LB.	0.11
95	SPANISH PEANUTS	_____	CWT.	28.00	329	FUNGICIDE APPLI.	AIR	ACRE	2.90
96	PECANS	_____	LB.	1.00	331	PESTICIDE APPLI.	_____	ACRE	3.50
98	SOYBEANS	_____	BU.	6.25	332	HERBICIDE APPLI.	CSTM	ACRE	4.00
99	COTTON LINT	IRRI	LB.	0.68	333	INSECT. APPLI.	AIR	APPL	3.50
103	SALT & MIN.	_____	LB.	0.30	335	DEFOLIANT APPLI.	COTT	ACRE	3.50
107	COTTONSEED CAKE	_____	LB.	0.14	339	MOW,RAKE,BALE	HAY	BALE	0.90
153	PASTURE RENT	UNIM	ACRE	3.50	348	CUSTM DISC	PECN	APPL	8.00
154	PASTURE RENT	PAIM	ACRE	4.75	349	CUSTM LAND PLANE	PECN	APPL	6.00
155	SORGHUM PASTURE	_____	DAYS	0.50	368	TREES (5-6 FT)	PECN	TREE	8.00
156	PASTURE RENT	IMPR	ACRE	7.50	373	MISC EXPENSE	PECN	ACRE	15.00
161	CORN SILAGE	_____	TON	23.00	374	CUSTM PICKING	PECN	LB.	0.28
175	SORGHUM HAY	_____	TON	65.00	393	MISC EXPENSE	LIVE	DOL.	5.00
180	PASTURE MAINT.	IMPR	ACRE	2.00	396	WATER FACIL REPR	LIVE	HEAD	2.00
184	SEED CORN/GRAIN	_____	LB.	1.40	410	VET MEDICINE	LIVE	DOL.	5.00
185	SEED CORN/SILAGE	_____	LB.	1.00	450	FED CRP (65%@\$4)	DRY	ACRE	4.75
186	GRAIN SORG. SEED	_____	LB.	0.76	451	FED CRP (65%@\$4)	IRR	ACRE	4.25
187	FORAGE SORG SEED	_____	LB.	0.32	452	RISK INSURANCE	PEAN	ACRE	15.00
189	SOYBEAN SEED	_____	LB.	0.32	455	GEN. & HAIL INS.	COTT	ACRE	14.00
195	GUAR SEED	_____	LB.	0.65	456	GEN. & HAIL INS.	CORN	ACRE	15.00
212	NITROGEN (DRY)	_____	LB.	0.26	474	LAND-CASH RENT	VEGE	ACRE	50.00
213	NITROGEN (ANHY)	_____	LB.	0.13	475	LAND-CASH RENT	IRRI	ACRE	65.00
214	NITROGEN (LIQ)	_____	LB.	0.26	486	SALES COMM	LIVE	HEAD	9.00
215	PHOSPHATE	_____	LB.	0.22	490	ZINC SULPHATE	PECN	LB.	0.30
234	VITAVAX APPL.	FUNG	APPL	30.00	499	BORON APPLICAT.	BEET	ACRE	3.00
239	FUNGICIDE	DTRT	LB.	11.00	500	BORON	BEET	ACRE	2.75
240	INSECTICIDE	ZOLO	PINT	2.70	501	CABBAGE	_____	BAG	3.50
241	CUST INSECT.	PEAN	APPL	21.00	502	CANTALOUPS	_____	CRTN	5.50

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					

LISTING OF THE NAME SET AND PRICE VECTOR REGION NUMBER: 16 DATE: 041184

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
503	CARROTS	_____	BAG	6.50	553	HERB., PREMERGE	PEAN	ACRE	8.00
504	CUCUMBERS	_____	CRTN	6.50	554	HERBICIDE	SUNF	ACRE	4.00
505	CUCUMB. PICKLES	_____	CWT.	7.50	555	HERBICIDE	SOYB	ACRE	4.00
506	BUFFLE GR. PAST	_____	DAYS	0.50	556	INSECTICIDE	CABB	APPL	13.00
507	ONIONS	_____	BAG	5.50	557	INSCTCD CNTLOUPS	CANT	APPL	5.00
508	SPINACH, FRESH	_____	BU.	5.75	558	INSECTICIDE	CARR	APPL	6.00
509	SPINACH, PROCESS	_____	TON	84.50	559	INSECTICIDE	CORN	APPL	10.00
510	LETTUCE	_____	CRTN	5.50	560	INSECTICIDE	COTT	APPL	8.50
511	OATS GRAZING AUD	_____	DAYS	0.50	561	INSECTICIDE	CUC.	APPL	10.00
512	WHEAT SD TREATED	_____	LB.	0.17	562	INSECTICIDE	LETT	APPL	8.00
513	BUFFLE GRASS SD	_____	LB.	3.40	563	INSECTICIDE	SORG	APPL	8.00
514	CABBAGE SEED	_____	LB.	52.00	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	13.00
517	CUCUMBER SEED	_____	LB.	5.30	567	INSECTICIDE	SUNF	APPL	6.00
518	CUCUMBER-PCKL SD	_____	LB.	8.00	568	INSECTICIDE	SOYB	APPL	7.00
519	ONION SEED	_____	LB.	16.00	570	FUNGICIDE	CABB	APPL	12.00
520	OATS SEED	_____	LB.	0.15	571	FUNGICIDE	CANT	APPL	4.20
521	SPINACH-FRESH SD	_____	LB.	2.40	572	FUNGICIDE	CARR	APPL	4.20
522	SPINACH-PROC. SD	_____	LB.	1.60	574	FUNGICIDE	LETT	APPL	5.40
523	LETTUCE SEED	_____	LB.	28.00	575	FUNGICIDE	ONIO	APPL	6.00
524	PEANUT SEED	_____	LB.	0.62	576	FUNGICIDE	PEAN	APPL	7.70
525	SUNFLOWER SEED	_____	LB.	0.50	577	FUNGICIDE	SPIN	APPL	5.00
526	SPRIG & SPRIGGNG	_____	ACRE	40.00	578	CSTL PAST GRAZNG	_____	DAYS	0.50
527	HARV, PACK & MKT	CABB	BAG	2.10	579	CUSTOM ROOT PLOW	_____	ACRE	45.00
528	HARV, PACK & MKT	CANT	CRTN	4.25	580	CSTL BERMUDA HAY	_____	TON	60.00
529	HARV, PACK & MKT	CARR	BAG	4.50	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	BEET SEED	_____	LB.	3.00
534	HARV,PKG,HAUL	PRSP	TON	5.50	586	NEMATICIDE	_____	APPL	28.00
535	HARV,PKG,HAUL	LETT	CRTN	4.25	587	FLORUNNER PEANUT	_____	CWT.	28.00
536	HARVEST & HAUL	SUNF	ACRE	25.00	588	FUNGICIDE	BEET	ACRE	6.60
537	CUSTOM DRYING	PEAN	TON	25.00	589	ALLOTMENT LEASE	PEAN	CWT.	2.75
538	CUSTOM HAUL	PEAN	TON	7.00	590	SPINACH SECONDS	_____	TON	1.00
539	CUSTOM HARVEST	SOYB	BU.	0.75	591	GRAZING	_____	DAYS	0.50
540	CUSTOM HAUL	SOYB	BU.	0.15	592	CUSTOM FERTILIZE	_____	ACRE	2.00
541	CUSTOM HAUL	HAY	BALE	0.15	593	SUNFLOWERS	_____	LB.	0.08
542	HERBICIDE	HAY	ACRE	2.40	595	INNOCULANT	_____	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	8.00	599	HERBICIDE	GUAR	ACRE	4.00
546	HERBICIDE	CORN	ACRE	15.00	_____	_____	_____	_____	_____
547	HERBICIDE	COTT	ACRE	8.00	_____	_____	_____	_____	_____
548	HERBICIDE	CUCU	ACRE	6.00	_____	_____	_____	_____	_____
549	HERBICIDE	LETT	ACRE	9.00	_____	_____	_____	_____	_____
550	HERBICIDE	SORG	ACRE	10.00	_____	_____	_____	_____	_____
551	HERBICIDE	ONIO	ACRE	25.00	_____	_____	_____	_____	_____
552	HERBICIDE	SP,B	ACRE	25.00	_____	_____	_____	_____	_____

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: 040684

ROW	PARAMETER DEFINITION	DEFAULT VALUE
1.	PRICE PER GALLON OF GASOLINE	1.0600
2.	PRICE PER GALLON OF L.P. GAS	0.6700
3.	PRICE PER GALLON OF DIESEL	0.9800
4.	PRICE PER KILOWATT HOUR OF ELECTRICITY	0.0800
5.	PRICE PER 1000 CU. FT. OF NATURAL GAS	4.0000
6.	NOMINAL INTEREST RATE	0.1250
7.	MACHINERY INSUR. RATE (AVERAGE INVESTMENT)	0.0100
8.	MACHINERY TAX RATE (PURCHASE VALUE)	0.0
9.	IRRIGATION SYSTEM NUMBER	1.
10.	HOURLY MACHINERY WAGE RATE	5.00
11.	HOURLY OTHER LABOR WAGE RATE	4.00
12.	HOURLY IRRIG./LIVESTOCK WAGE RATE	4.00
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)	0.0
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 18

DATE:012384

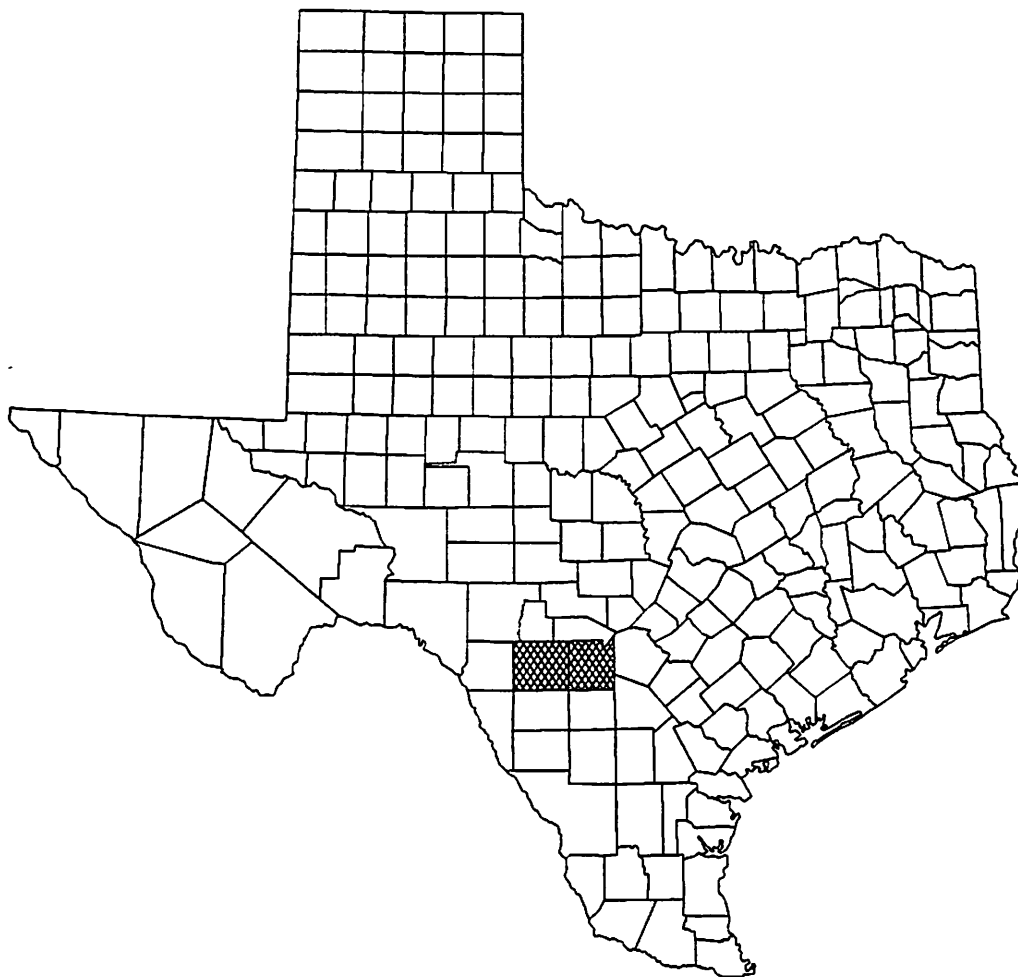
OUT4

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	50250.	4.5	0.88	1.20	0.	1.80	500.	7.	0.68	0.92	45225.	3.	12000.	150.
TRACTOR	2.	125.0	43775.	4.5	0.88	1.20	0.	1.80	600.	7.	0.68	0.92	39400.	3.	12000.	125.
TRACTOR	3.	100.0	37400.	4.5	0.88	1.20	0.	1.80	500.	7.	0.68	0.92	33680.	3.	12000.	100.
TRACTOR	4.	75.0	24500.	4.5	0.88	1.20	0.	1.80	300.	7.	0.68	0.92	22050.	3.	12000.	75.
TRACTOR	5.	40.0	14425.	4.5	0.88	1.20	0.	1.80	300.	7.	0.68	0.92	12980.	3.	12000.	40.
TRACTOR 4 WH DR	8.	225.0	79875.	4.5	0.88	1.20	0.	1.80	800.	7.	0.68	0.92	71890.	3.	12000.	225.
PICKUP TRUCK	10.	0.5	10500.	30.0	0.88	0.80	0.	1.80	700.	3.	0.80	0.88	9500.	1.	2800.	30.
PECAN PICKER	19.	38.0	10000.	4.0	0.70	0.33	0.	1.80	80.	7.	0.80	0.88	10000.	1.	450.	25.
PECAN PICKER	20.	38.0	10000.	4.0	0.70	0.33	0.	1.80	30.	7.	0.80	0.88	10000.	1.	450.	25.
SHREDDER	30.	14.0	5180.	3.7	0.80	0.80	0.	1.80	200.	7.	0.80	0.88	4750.	0.	2000.	0.
SHREDDER	31.	9.0	2000.	3.7	0.80	0.80	0.	1.00	50.	7.	0.80	0.88	2000.	0.	2000.	0.
MOLDSBOARD PLOW	32.	5.3	5480.	4.5	0.80	1.00	0.	1.30	100.	7.	0.80	0.88	5480.	0.	2000.	0.
CHISEL PLOW	33.	15.0	3780.	4.5	0.80	1.00	0.	1.80	200.	7.	0.80	0.88	3780.	0.	2000.	0.
OFFSET DISC	34.	12.0	6590.	4.5	0.83	0.85	0.	1.80	100.	7.	0.80	0.88	6590.	0.	2000.	0.
OFFSET DISC	35.	8.0	3800.	5.0	0.80	0.85	0.	1.80	50.	7.	0.80	0.88	3800.	0.	2000.	0.
BEDDER 6R	36.	20.0	3780.	4.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	1760.	0.	2000.	0.
ROLLING CULT 4R	37.	12.0	2700.	3.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	2700.	0.	2000.	0.
ROLLING CULT 6R	38.	18.0	3780.	3.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	3780.	0.	2000.	0.
CULTIVATOR 4R	39.	12.0	3025.	5.0	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	2590.	0.	2000.	0.
CULTIVATOR 6R	40.	18.0	3240.	5.0	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	3240.	0.	2000.	0.
PLANTER 4R	41.	13.3	5180.	4.5	0.80	0.80	0.	1.80	75.	7.	0.60	0.88	5180.	0.	1200.	0.
PLANTER 6R	42.	18.0	6480.	4.5	0.80	0.80	0.	1.80	75.	7.	0.60	0.88	8460.	0.	1200.	0.
FIELD CULTIVATOR	43.	15.0	3780.	6.0	0.80	1.00	0.	1.80	200.	7.	0.60	0.88	3780.	0.	2000.	0.
STANWAY PLANTER	44.	13.3	3240.	4.5	0.60	0.80	0.	1.80	75.	7.	0.60	0.88	3240.	0.	1200.	0.
GRAIN DRILL	46.	14.0	3890.	4.0	0.72	0.75	0.	1.80	50.	7.	0.60	0.88	3890.	0.	1000.	0.
BED SHAPER 6R	48.	12.0	2700.	4.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	1950.	0.	2000.	0.
LAND PLANE	50.	12.0	6480.	6.0	0.60	0.80	0.	1.80	100.	7.	0.60	0.88	8460.	0.	2500.	0.
TAMDEN DISC	58.	14.0	4320.	4.5	0.83	0.85	0.	1.80	100.	7.	0.60	0.88	4320.	0.	2000.	0.
DRY FERT SPRDER	60.	20.0	2700.	4.0	0.67	1.20	0.	1.80	50.	7.	0.60	0.88	2700.	0.	1200.	0.
ANHYDROUS SPRDR	61.	18.0	1.	5.0	0.80	1.20	0.	1.80	100.	1.	1.00	1.00	1.	0.	1200.	0.
HERBICIDE SPRAYR	62.	8.0	3000.	4.0	0.65	1.00	0.	1.80	35.	7.	0.60	0.88	2900.	0.	1200.	0.
HERBICIDE SPRAYR	63.	12.0	1300.	4.0	0.65	1.00	0.	1.80	35.	7.	0.60	0.88	1300.	0.	1200.	0.
ROD WEEDER	65.	18.0	1190.	5.0	0.80	1.00	0.	1.80	100.	10.	0.60	0.88	1080.	0.	2000.	0.
PEANUT DIG SHK2R	66.	6.7	3240.	2.5	0.60	1.00	0.	1.30	250.	12.	0.80	0.88	1300.	0.	3000.	0.
PEANUT COMB. 4R	67.	13.3	16200.	2.5	0.60	0.50	0.	1.80	250.	12.	0.80	0.88	18200.	0.	3000.	0.
PEANUT PLANTER	68.	12.7	5400.	4.5	0.80	0.80	0.	1.80	75.	10.	0.60	0.88	5400.	0.	1200.	0.
HARROW SPIKE	73.	24.0	1820.	4.5	0.80	0.85	0.	1.80	35.	10.	0.60	0.88	1820.	0.	2000.	0.
SPRAYER H. SPEED	83.	150.0	5500.	0.3	0.70	0.80	0.	1.80	200.	7.	0.60	0.88	5500.	0.	2000.	0.
SPRAYER HYDRAULIC	84.	150.0	1500.	0.3	0.70	0.80	0.	1.80	200.	7.	0.60	0.88	1000.	0.	3000.	0.
PECAN SHAKER HYD	87.	10.5	4200.	6.0	0.80	0.33	0.	1.80	140.	10.	0.60	0.88	3800.	0.	1500.	0.
PECAN SHAKER HYD	88.	10.5	4200.	6.0	0.80	0.33	0.	1.80	70.	10.	0.60	0.88	3800.	0.	1500.	0.

TEXAS LIVESTOCK ENTERPRISE BUDGETS

TEXAS EDWARDS AQUIFER REGION

Projected for 1984



Educational programs conducted by the Texas Agricultural Extension Service serve people of all ages regardless of socio-economic level, race, color, sex, religion or national origin.

Cooperative Extension Work in Agriculture and Home Economics, The Texas A&M University System and the United States Department of Agriculture cooperating. Distributed in furtherance of the Acts of Congress of May 8, 1914, as amended, and June 30, 1914.

150 - 1-84, New

ECO 7-2

COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1984 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	0.04	HEAD	1.00	1083.33	43.33	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 790.24	\$
PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	\$/UNIT	RETURN	
STEER CALVES	0.40	4.50	1.8 CWT.	71.00	127.80	
HEIFER CALVES	0.27	4.10	1.1 CWT.	61.00	67.53	
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					\$ 280.00	\$
OPERATING INPUTS				PROJECTED		
	INPUT	USE	UNIT	\$/UNIT	COST	
SALT & MIN.	50.00	LB.		0.30	15.00	
VET MEDICINE	2.00	DOL.		5.00	10.00	
COTTONSEED CAKE	180.00	LB.		0.12	21.60	
SALES COMM	0.77	HEAD		9.00	6.93	
CUSTOM HAULING	0.77	HEAD		1.00	0.77	
WATER FACIL REPR	1.00	HEAD		2.00	2.00	
MISC EXPENSE	1.00	DOL.		5.00	5.00	
EQUIPMENT FUEL AND LUBE					3.86	
EQUIPMENT REPAIR					1.06	
TOTAL OPERATING COST					\$ 66.22	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 213.78	\$
CAPITAL INVESTMENT		QUANTITY INVESTED	UNIT	RATE OF RETURN	PROJECTED COST	
ANNUAL OPERATING CAPITAL		-16.80	DOL.	0.125	-2.10	
EQUIPMENT INVESTMENT		56.38	DOL.	0.125	7.05	
LIVESTOCK INVESTMENT		790.24	DOL.	0.125	98.78	
TOTAL CAPITAL COST					\$ 103.73	\$
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 110.05	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)					PROJECTED COST	
EQUIPMENT					9.42	
LIVESTOCK					34.63	
TOTAL OWNERSHIP COST					\$ 44.05	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 66.00	\$
OPERATOR LABOR COSTS		LABOR USE	UNIT	RATE OF RETURN	PROJECTED COST	
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					\$ 30.85	\$
LAND COSTS		INPUT	USE	UNIT	RATE OF RETURN	PROJECTED COST
PASTURE RENT		20.00	ACRE		3.50	70.00
TOTAL LAND COST						\$ 70.00
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -39.15	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 319.15	\$

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
1984 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	
AYER. ANNUAL CAPITAL	-1.77	-1.01	-0.73	0.70	-1.02	-0.01	[DOLLARS]						TOTAL
							1.29	2.82	-11.98	0.55	-3.04	-2.41	-15.80
LABOR REQUIREMENTS							[HOURS]						TOTAL
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	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	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	8.25

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	179.62	14.37	0.0	13.00	0.0	0.0	407.99	13.00	0.0	0.002
STOCK SPRAYER	2	90.00	74.37	5.95	0.0	10.00	0.0	0.0	170.32	10.00	0.0	0.002
TACK	3	45.00	37.19	2.98	0.0	5.00	0.0	0.0	85.18	5.00	0.0	0.010
FENCE	4	83.33	67.71	5.42	0.0	4.17	0.0	0.0	158.48	4.17	0.0	0.002
PICKUP TRUCK	10	1057.14	791.07	63.29	0.0	252.00	1470.00	73.50	1911.80	1795.50	700.00	0.002
COW RAISED	51	18.75	85.56	8.84	3.42	0.0	0.0	0.0	114.56	0.0	0.0	1.000
BULL PURCHASED	54	88.87	135.42	10.83	5.42	0.0	0.0	0.0	238.33	0.0	0.0	0.040
HEIFER RAISED	55	0.0	58.25	4.50	2.25	0.0	0.0	0.0	63.00	0.0	0.0	0.130
HORSE	95	70.31	82.99	5.04	2.52	9.38	0.0	0.0	140.88	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.	16.	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.	1300.	1300.	8.	0.60	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
1984 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	1083.33	36.11	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 783.01	\$
PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	\$/UNIT	RETURN	
STEER CALVES	0.43	4.80	2.0 CWT.	71.00	144.84	
HEIFER CALVES	0.30	4.30	1.3 CWT.	61.00	77.38	
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					\$ 295.31	\$
OPERATING INPUTS				PROJECTED		
	INPUT	USE	UNIT	\$/UNIT	COST	
SALT & MIN.	50.00	LB.		0.30	15.00	
VET MEDICINE	2.00	DOL.		5.00	10.00	
COTTONSEED CAKE	180.00	LB.		0.12	21.60	
SALES COMM	0.83	HEAD		9.00	7.47	
CUSTOM HAULING	0.83	HEAD		1.00	0.83	
WATER FACIL REPR	0.90	HEAD		2.00	1.80	
PASTURE MAINT.	2.00	ACRE		2.00	4.00	
MISC EXPENSE	1.00	DOL.		5.00	5.00	
EQUIPMENT FUEL AND LUBE					6.17	
EQUIPMENT REPAIR					1.41	
TOTAL OPERATING COST					\$ 73.28	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 222.02	\$
CAPITAL INVESTMENT		QUANTITY	UNIT	RATE OF	PROJECTED	
		INVESTED		RETURN	COST	
ANNUAL OPERATING CAPITAL	1.01	DOL.		0.125	0.13	
EQUIPMENT INVESTMENT	62.09	DOL.		0.125	7.76	
LIVESTOCK INVESTMENT	783.01	DOL.		0.125	97.88	
TOTAL CAPITAL COST					\$ 105.76	\$
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 116.26	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)				PROJECTED		
					COST	
EQUIPMENT					10.48	
LIVESTOCK					33.95	
TOTAL OWNERSHIP COST					\$ 44.42	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 71.83	\$
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					\$ 36.50	\$
LAND COSTS		INPUT	UNIT	RATE OF	PROJECTED	
		USE		RETURN	COST	
PASTURE RENT	15.00	ACRE		4.75	71.25	
TOTAL LAND COST					\$ 71.25	\$
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -34.75	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 330.06	\$

SPRING CALVING, 85% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 4,500 ACRE RANCH, 300 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
1984 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	
AVER. ANNUAL CAPITAL	-0.02	1.18	1.48	2.58	0.64	1.78	(DOLLARS) 3.01	4.38	-12.56	0.71	-1.41	-0.75	TOTAL 1.01
LABOR REQUIREMENTS							(HOURS)						TOTAL
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	8.30

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	179.62	14.37	0.0	13.00	0.0	0.0	407.99	13.00	0.0	0.003
STOCK SPRAYER	2	80.00	74.37	5.85	0.0	10.00	0.0	0.0	170.32	10.00	0.0	0.003
TACK	3	45.00	37.19	2.88	0.0	5.00	0.0	0.0	85.18	5.00	0.0	0.009
FENCE	4	83.33	67.71	5.42	0.0	4.17	0.0	0.0	155.45	4.17	0.0	0.003
PICKUP TRUCK	10	1057.14	791.07	63.28	0.0	252.00	1470.00	73.50	1811.50	1795.50	700.00	0.004
COW RAISED	51	18.75	88.58	8.84	3.42	0.0	0.0	0.0	114.58	0.0	0.0	1.000
BULL PURCHASED	54	86.87	136.42	10.83	5.42	0.0	0.0	0.0	238.33	0.0	0.0	0.033
HEIFER RAISED	55	0.0	58.28	4.50	2.25	0.0	0.0	0.0	63.00	0.0	0.0	0.130
HORSE	95	70.31	62.99	5.04	2.52	8.38	0.0	0.0	140.86	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.	16.	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.	1300.	1300.	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
1984 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	1083.33	30.98	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 777.89	\$
PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	\$/UNIT	RETURN	
STEER CALVES	0.45	5.00	2.2 CWT.	71.00	159.75	
HEIFER CALVES	0.32	4.60	1.5 CWT.	61.00	89.79	
CULL COWS	0.10	10.00	1.0 CWT.	36.50	36.50	
TOTAL PROJECTED RETURNS					\$ 286.04	\$
OPERATING INPUTS				PROJECTED		
	INPUT	USE	UNIT	\$/UNIT	COST	
SALT & MIN.	50.00		LB.	0.30	15.00	
VET MEDICINE	2.00		DOL.	5.00	10.00	
COTTONSEED CAKE	200.00		LB.	0.12	24.00	
SALES COMM	0.87		HEAD	9.00	7.83	
CUSTOM HAULING	0.87		HEAD	1.00	0.87	
WATER FACIL REPR	0.75		HEAD	2.00	1.50	
PASTURE MAINT.	3.33		ACRE	2.00	6.67	
MISC EXPENSE	1.00		DOL.	5.00	5.00	
EQUIPMENT FUEL AND LUBE					7.72	
EQUIPMENT REPAIR					1.68	
TOTAL OPERATING COST					\$ 80.27	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 205.77	\$
CAPITAL INVESTMENT		QUANTITY	UNIT	RATE OF	PROJECTED	
		INVESTED		RETURN	COST	
ANNUAL OPERATING CAPITAL	41.42		DOL.	0.125	5.18	
EQUIPMENT INVESTMENT	70.51		DOL.	0.125	8.81	
LIVESTOCK INVESTMENT	777.89		DOL.	0.125	97.24	
TOTAL CAPITAL COST					\$ 111.23	\$
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 94.55	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)				PROJECTED		
					COST	
EQUIPMENT					11.94	
LIVESTOCK					33.46	
TOTAL OWNERSHIP COST					\$ 45.40	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 49.15	\$
OPERATOR LABOR COSTS		LABOR USE	UNIT	RATE OF	PROJECTED	
				RETURN	COST	
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					\$ 13.05	\$
LAND COSTS		INPUT	UNIT	RATE OF	PROJECTED	
				RETURN	COST	
PASTURE RENT	10.00		ACRE	7.50	75.00	
TOTAL LAND COST					\$ 75.00	\$
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -61.95	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 347.99	\$

SPRING CALVING, 90% 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
1984 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	TOTAL
AVER. ANNUAL CAPITAL	3.83	4.92	5.64	6.70	4.66	5.45	5.89	7.82	-10.90	1.22	2.37	3.03	41.42
[DOLLARS]													
LABOR REQUIREMENTS													TOTAL
[HOURS]													
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	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	3.50
LIVESTOCK LABOR	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	6.00
TOTAL LABOR	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	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	179.62	14.37	0.0	13.00	0.0	0.0	407.99	13.00	0.0	0.003
STOCK SPRAYER	2	90.00	74.37	5.95	0.0	10.00	0.0	0.0	170.32	10.00	0.0	0.003
TACK	3	45.00	37.19	2.98	0.0	5.00	0.0	0.0	85.18	5.00	0.0	0.010
FENCE	4	83.33	67.71	5.42	0.0	4.17	0.0	0.0	155.48	4.17	0.0	0.005
PICKUP TRUCK	10	1057.14	791.07	63.29	0.0	252.00	1470.00	73.50	1911.50	1795.50	700.00	0.005
COW RAISED	51	18.75	65.55	6.84	3.42	0.0	0.0	0.0	114.56	0.0	0.0	1.000
BULL PURCHASED	54	86.87	135.42	10.83	5.42	0.0	0.0	0.0	238.33	0.0	0.0	0.028
HEIFER RAISED	55	0.0	58.25	4.50	2.25	0.0	0.0	0.0	63.00	0.0	0.0	0.130
HORSE	95	70.31	62.99	5.04	2.52	9.38	0.0	0.0	140.86	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.	16.	CWT.	2.	2500.	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.	TGN	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.	1300.	1300.	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 18

DATE:121983

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.	18.	18.	2.	2800.	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.	10800.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
PECAN CLEANER	21.	1.	0.	2.	3800.	3800.	10.	0.10	0.20	1500.0	300.0	0.0	0.0	4.00	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.	1300.	1300.	8.	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