

ONIONS, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT 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		90.00	
REPAIRS-----TRACTOR		ACRE		5.29	
EQUIPMENT		ACRE		2.95	
IRRIGATION		ACRE		10.80	
LABOR-----MACHINERY	3.20	HOURL	5.00	16.01	
IRRIGATION	1.80	HOURL	4.00	7.20	
EQUIPMENT	0.49	HOURL	4.00	1.96	
OTHER	10.00	HOURL	4.00	40.00	
OPERATING CAPITAL	90.74	DOL.	0.125	11.34	
SUBTOTAL, PREHARVEST		ACRE		\$ 396.91	\$
HARVEST COSTS					
HARV,PKG,MKT	450.00	BAG	3.30	1485.00	
SUBTOTAL, HARVEST		ACRE		\$ 1485.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1881.91	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 4.18/BAG	ONIONS		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 593.09	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		37.68	
EQUIPMENT		ACRE		24.04	
IRRIGATION		ACRE		36.72	
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		\$ 163.44	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2045.35	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 4.55/BAG	ONIONS		
6. NET PROJECTED RETURNS		ACRE		\$ 429.65	\$

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 WINTER GARDEN 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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	DEC	4.00	0.400	0.0	22.40	1.60	13.00	8.16	45.16
WATER APPLICATION	JAN	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	APR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		18.00	1.800	0.0	100.80	7.20	13.00	36.72	157.72

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF ONIONS
(DOLLARS)

		4.40	4.95	5.50	6.05	6.60
BAG						
QUANTITY OF ONIONS	360.00	-0.91	197.09	395.09	593.09	791.09
	405.00	48.59	271.34	494.09	716.84	939.59
	450.00	98.09	345.59	593.09	840.59	1088.09
	495.00	147.59	419.84	692.09	964.34	1236.59
	540.00	197.09	494.09	791.09	1088.09	1385.09

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

FRESH MARKET SPINACH, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT 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		80.00	
REPAIRS-----TRACTOR		ACRE		5.40	
EQUIPMENT		ACRE		3.16	
IRRIGATION		ACRE		9.60	
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	94.28	DOL.	0.125	11.79	
SUBTOTAL, PREHARVEST		ACRE		\$ 414.76	\$
HARVEST COSTS					
HARV,PKG,MKT	400.00	BU.	4.50	1800.00	
SUBTOTAL, HARVEST		ACRE		\$ 1800.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 2214.76	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.54/BU.	SPINACH, FRESH	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 85.24	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		36.71	
EQUIPMENT		ACRE		25.13	
IRRIGATION		ACRE		32.64	
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		\$ 151.98	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 2366.73	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.92/BU.	SPINACH, FRESH	
6. NET PROJECTED RETURNS		ACRE		\$ -66.73	\$

SPINACH IS PACKED AND MARKETING IN 25 POUND BUSHELS.

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FRESH MARKET SPINACH, IRRIGATED
TEXAS WINTER GARDEN 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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	SEPT	4.00	0.400	0.0	22.40	1.60	15.60	8.16	47.76
WATER APPLICATION	NOV	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	JAN	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		16.00	1.600	0.0	89.60	6.40	15.60	32.64	144.24

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF SPINACH, FRESH
(DOLLARS)

		4.60	5.18	5.75	6.32	6.90
BU.						
QUANTITY OF SPINACH, FRESH	320.00	-382.76	-198.76	-14.76	169.24	353.24
	360.00	-378.76	-171.76	35.24	242.24	449.24
	400.00	-374.76	-144.76	85.24	315.24	545.24
	440.00	-370.76	-117.76	135.24	388.24	641.24
	480.00	-366.76	-90.76	185.24	461.24	737.24

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

PROCESSED SPINACH, IRRIGATED
TEXAS WINTER GARDEN 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		100.00	_____
REPAIRS-----TRACTOR		ACRE		5.91	_____
EQUIPMENT		ACRE		3.04	_____
IRRIGATION		ACRE		12.00	_____
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	120.11	DOL.	0.125	15.01	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 468.72	\$ _____
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	5.50	49.50	_____
SUBTOTAL, HARVEST		ACRE		\$ 49.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 518.22	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 68.99/TON	SPINACH, PROCESS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 116.33	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		39.40	_____
EQUIPMENT		ACRE		24.17	_____
IRRIGATION		ACRE		40.80	_____
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		\$ 161.88	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 680.10	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 90.57/TON	SPINACH, PROCESS	
6. NET PROJECTED RETURNS		ACRE		\$ -45.55	\$ _____

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PROCESSED SPINACH, IRRIGATED
TEXAS WINTER GARDEN 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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	OCT	4.00	0.400	0.0	22.40	1.60	15.60	8.16	47.76
WATER APPLICATION	NOV	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	DEC	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	JAN	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	FEB	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		20.00	2.000	0.0	112.00	8.00	15.60	40.80	176.40

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 SPINACH, PROCESS
(DOLLARS)

TON	67.60	76.05	84.50	92.95	101.40
6.00	-102.08	-51.38	-0.68	50.02	100.72
6.75	-56.25	0.78	57.82	114.86	171.90
7.50	-10.42	52.95	116.33	179.70	243.08
8.25	35.41	105.12	174.83	244.54	314.26
9.00	81.24	157.29	233.34	309.39	385.44

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

PECAN ORCHARD, ESTABLISHMENT PHASE
TEXAS WINTER GARDEN REGION
ESTIMATED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS			\$	0.0	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*TREES (5-6 FT)	35.00	TREE	8.00	280.00	
CUSTOM CHSL PLOW	1.00	APPL	10.00	10.00	
CUSTM DISC	2.00	APPL	8.00	16.00	
CUSTM LAND PLANE	1.00	APPL	6.00	6.00	
MISC. EXPENSE	0.50	ACRE	15.00	7.50	
*HIRE PLANT EQUIP	10.00	HOUR	2.00	20.00	
FUEL & LUBE--TRACTOR		ACRE		0.53	
EQUIPMENT		ACRE		5.45	
REPAIRS-----TRACTOR		ACRE		0.11	
EQUIPMENT		ACRE		1.35	
LABOR-----MACHINERY	2.76	HOUR	5.00	13.81	
EQUIPMENT	0.28	HOUR	4.00	1.12	
OTHER	8.00	HOUR	4.00	32.00	
OPERATING CAPITAL	319.69	DOL.	0.125	39.96	
SUBTOTAL, PREHARVEST		ACRE	\$	433.83	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	\$	0.0	\$
TOTAL VARIABLE COSTS		ACRE	\$	433.83	\$
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	-433.83	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		1.79	
EQUIPMENT		ACRE		19.71	
TOTAL FIXED COSTS		ACRE	\$	21.50	\$
5. TOTAL PROJECTED COSTS		ACRE	\$	455.33	\$
6. NET PROJECTED RETURNS		ACRE	\$	-455.33	\$

LAND PREPARATION COSTS BASED ON ORCHARD BEING ESTABLISHED IN
FORMERLY CULTIVATED BOTTOM LAND.
PRELIMINARY BUDGET----NOT FOR DISTRIBUTION

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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.

PECAN ORCHARD, ESTABLISHMENT PHASE
 TEXAS WINTER GARDEN REGION
 ESTIMATED 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	5,30	DEC	1.00	0.263	0.199	0.87	1.31	0.0	2.75	4.93
TRACTOR	5	JAN	1.00	1.250	1.000	4.07	6.25	290.00	8.18	308.50
TRACTOR	5	FEB	1.00	1.250	1.000	4.07	6.25	10.00	8.18	28.50
TOTALS				2.763	2.199	9.02	13.81	300.00	19.10	341.93

PECAN ORCHARD, PRE-PRODUCTION PHASE (YEARS 1-4)
 TEXAS WINTER GARDEN REGION
 ESTIMATED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS				\$ 0.0	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	18.00	LB.	0.26	4.68	
*ZINC SULPHATE	3.75	LB.	0.30	1.13	
*INSECTICIDE	2.50	GAL.	2.70	6.75	
*FUNGICIDE	0.38	LB.	11.00	4.13	
*HERBICIDE	1.00	QT.	18.50	18.50	
IRRIGATION WATER	1.10	ACIN			
FUEL & LUBE--TRACTOR		ACRE		9.28	
EQUIPMENT		ACRE		1.56	
IRRIGATION		ACRE		2.09	
REPAIRS-----TRACTOR		ACRE		1.95	
EQUIPMENT		ACRE		1.94	
IRRIGATION		ACRE		0.74	
LABOR-----MACHINERY	4.62	HOUR	5.00	23.09	
IRRIGATION	0.11	HOUR	4.00	0.44	
EQUIPMENT	0.70	HOUR	4.00	2.80	
OTHER	12.00	HOUR	4.00	48.00	
OPERATING CAPITAL	26.64	DOL.	0.125	3.33	
SUBTOTAL, PREHARVEST		ACRE		\$ 130.39	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 130.39	\$
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -130.39	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		31.46	
EQUIPMENT		ACRE		32.08	
IRRIGATION		ACRE		2.24	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
PRORATED ESTABL	455.33	ACRE	0.07	31.87	
TOTAL FIXED COSTS		ACRE		\$ 155.15	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 285.54	\$
6. NET PROJECTED RETURNS		ACRE		\$ -285.54	\$

PRELIMINARY BUDGET-----NOT FOR DISTRIBUTION

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.

PECAN ORCHARD, PRE-PRODUCTION PHASE (YEARS 1-4)
 TEXAS WINTER GARDEN REGION
 ESTIMATED 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	5,35	MAR	1.00	0.340	0.258	0.91	1.70	0.0	6.34	8.95
DRY FERT SPRDER	5,60	MAR	1.00	0.203	0.154	0.65	1.02	2.34	3.08	7.09
SPRAYR HYDRAULIC	5,84	APR	1.00	0.346	0.262	0.91	1.73	2.91	2.61	8.16
SHREDDER	5,30	APR	1.00	0.263	0.199	0.87	1.31	0.0	2.75	4.93
SPRAYR HYDRAULIC	5,84	MAY	2.00	0.691	0.524	1.81	3.46	1.72	5.22	12.22
HERBICIDE SPRAYR	5,62	MAY	1.00	0.698	0.529	2.07	3.49	9.25	13.72	28.53
SPRAYR HYDRAULIC	5,84	JUNE	1.00	0.346	0.262	0.91	1.73	2.91	2.61	8.16
SPRAYR HYDRAULIC	5,84	JULY	1.00	0.346	0.262	0.91	1.73	1.54	2.61	6.78
SPRAYR HYDRAULIC	5,84	AUG	1.00	0.346	0.262	0.91	1.73	2.91	2.61	8.16
HERBICIDE SPRAYR	5,62	AUG	1.00	0.698	0.529	2.07	3.49	9.25	13.72	28.53
OFFSET DISC	5,35	NOV	1.00	0.340	0.258	0.91	1.70	0.0	6.34	8.95
TOTALS				4.617	3.498	12.92	23.09	32.84	61.62	130.47

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	0.10	0.010	0.0	0.26	0.04	0.0	0.20	0.50
WATER APPLICATION	APR	0.20	0.020	0.0	0.51	0.08	0.0	0.41	1.00
WATER APPLICATION	MAY	0.20	0.020	0.0	0.51	0.08	0.0	0.41	1.00
WATER APPLICATION	JUNE	0.20	0.020	0.0	0.51	0.08	0.0	0.41	1.00
WATER APPLICATION	JULY	0.20	0.020	0.0	0.51	0.08	0.0	0.41	1.00
WATER APPLICATION	AUG	0.20	0.020	0.0	0.51	0.08	0.0	0.41	1.00
TOTALS		1.10	0.110	0.0	2.83	0.44	0.0	2.24	5.51

PECAN ORCHARD, EARLY PRODUCTION PHASE (YEARS 5-10)
 TEXAS WINTER GARDEN REGION
 ESTIMATED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
PECANS	600.00	LB.	1.00	600.00	_____
TOTAL PROJECTED RETURNS				\$ 600.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	75.00	LB.	0.26	19.50	_____
*ZINC SULPHATE	15.00	LB.	0.30	4.50	_____
*INSECTICIDE	5.00	GAL.	2.70	13.50	_____
*FUNGICIDE	1.50	LB.	11.00	16.50	_____
*HERBICIDE	1.00	QT.	18.50	18.50	_____
IRRIGATION WATER	6.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		17.39	_____
EQUIPMENT		ACRE		1.56	_____
IRRIGATION		ACRE		11.40	_____
REPAIRS-----TRACTOR		ACRE		3.31	_____
EQUIPMENT		ACRE		4.46	_____
IRRIGATION		ACRE		4.02	_____
LABOR-----MACHINERY	4.61	HOURL	5.00	23.07	_____
IRRIGATION	0.60	HOURL	4.00	2.40	_____
EQUIPMENT	0.70	HOURL	4.00	2.80	_____
OTHER	14.00	HOURL	4.00	56.00	_____
OPERATING CAPITAL	4.79	DOL.	0.125	0.60	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 199.51	\$ _____
HARVEST COSTS					
CUSTOM PICKING	600.00	LB.	0.28	168.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 168.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 367.51	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 0.61/LB.		PECANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 232.49	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		53.40	_____
EQUIPMENT		ACRE		37.47	_____
IRRIGATION		ACRE		12.24	_____
MISC ADMIN O/H	0.75	ACRE	15.00	11.25	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
PRORATED ESTABL	455.33	ACRE	0.07	31.87	_____
TOTAL FIXED COSTS		ACRE		\$ 196.23	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 563.74	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS		\$ 0.94/LB.		PECANS	
6. NET PROJECTED RETURNS		ACRE		\$ 36.26	\$ _____

PRELIMINARY BUDGET-----NOT FOR DISTRIBUTION

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PECAN ORCHARD, EARLY PRODUCTION PHASE (YEARS 5-10)
TEXAS WINTER GARDEN REGION
ESTIMATED 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
DRY FERT SPRDER	4,60	MAR	1.00	0.203	0.154	1.07	1.02	9.75	4.05	15.88
SHREDDER	4,30	MAR	1.00	0.263	0.199	1.41	1.31	0.0	4.00	6.72
SPRAYER H. SPEED	4,83	APR	1.00	0.324	0.246	1.89	1.62	8.95	5.13	17.59
DRY FERT SPRDER	4,60	MAY	1.00	0.203	0.154	1.07	1.02	9.75	4.05	15.88
SPRAYER H. SPEED	4,83	MAY	2.00	0.648	0.491	3.78	3.24	4.20	10.27	21.49
HERBICIDE SPRAYR	4,62	MAY	1.00	0.698	0.529	3.50	3.49	9.25	17.05	33.29
SPRAYER H. SPEED	4,83	JUNE	1.00	0.324	0.246	1.89	1.62	8.95	5.13	17.59
SPRAYER H. SPEED	4,83	JULY	1.00	0.324	0.246	1.89	1.62	3.45	5.13	12.09
SPRAYER H. SPEED	4,83	AUG	1.00	0.324	0.246	1.89	1.62	8.95	5.13	17.59
HERBICIDE SPRAYR	4,62	AUG	1.00	0.698	0.529	3.50	3.49	9.25	17.05	33.29
SHREDDER	4,30	OCT	1.00	0.263	0.199	1.41	1.31	0.0	4.00	6.72
OFFSET DISC	4,35	NOV	1.00	0.340	0.258	1.61	1.70	0.0	7.96	11.27
TOTALS				4.613	3.495	24.91	23.07	72.50	88.96	209.43

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	APR	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
WATER APPLICATION	MAY	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
WATER APPLICATION	JUNE	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
WATER APPLICATION	JULY	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
WATER APPLICATION	AUG	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
WATER APPLICATION	SEPT	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
TOTALS		6.00	0.600	0.0	15.42	2.40	0.0	12.24	30.06

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 PECANS
(DOLLARS)

QUANTITY OF PECANS	LB.	PRICE OF PECANS (DOLLARS)				
		0.80	0.90	1.00	1.10	1.20
480.00		50.09	98.09	146.09	194.09	242.09
540.00		81.29	135.29	189.29	243.29	297.29
600.00		112.49	172.49	232.49	292.49	352.49
660.00		143.69	209.69	275.69	341.69	407.69
720.00		174.89	246.89	318.89	390.89	462.89

PECAN ORCHARD, OPERATIONAL PHASE (YEARS 10-20)
 TEXAS WINTER GARDEN REGION
 ESTIMATED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
PECANS	1200.00	LB.	1.00	1200.00	
TOTAL PROJECTED RETURNS				\$ 1200.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	140.00	LB.	0.26	36.40	
*ZINC SULPHATE	37.50	LB.	0.30	11.25	
*INSECTICIDE	19.50	GAL.	2.70	52.65	
*FUNGICIDE	4.50	LB.	11.00	49.50	
*HERBICIDE	1.00	QT.	18.50	18.50	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		15.34	
EQUIPMENT		ACRE		1.56	
IRRIGATION		ACRE		30.40	
REPAIRS-----TRACTOR		ACRE		2.92	
EQUIPMENT		ACRE		4.23	
IRRIGATION		ACRE		10.72	
LABOR-----MACHINERY	4.07	HOURL	5.00	20.35	
IRRIGATION	1.60	HOURL	4.00	6.40	
EQUIPMENT	0.70	HOURL	4.00	2.80	
OTHER	18.00	HOURL	4.00	72.00	
OPERATING CAPITAL	12.69	DOL.	0.125	1.59	
SUBTOTAL, PREHARVEST		ACRE		\$ 336.60	\$
HARVEST COSTS					
CUSTOM PICKING	1200.00	LB.	0.28	336.00	
SUBTOTAL, HARVEST		ACRE		\$ 336.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 672.60	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.56/LB.	PECANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 527.40	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		47.11	
EQUIPMENT		ACRE		31.74	
IRRIGATION		ACRE		32.64	
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
PRORATED ESTABL	455.33	ACRE	0.07	31.87	
TOTAL FIXED COSTS		ACRE		\$ 208.36	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 880.97	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.73/LB.	PECANS	
6. NET PROJECTED RETURNS		ACRE		\$ 319.03	\$

PRELIMINARY BUDGET----NOT FOR DISTRIBUTION

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PECAN ORCHARD, OPERATIONAL PHASE (YEARS 10-20)
TEXAS WINTER GARDEN REGION
ESTIMATED 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
DRY FERT SPRDER	4,60	MAR	1.00	0.203	0.154	1.07	1.02	18.20	4.05	24.33
SHREDDER	4,30	MAR	1.00	0.263	0.199	1.41	1.31	0.0	4.00	6.72
SPRAYER H. SPEED	4,83	APR	1.00	0.324	0.246	1.89	1.62	27.03	5.13	35.67
SPRAYER H. SPEED	4,83	MAY	2.00	0.648	0.491	3.78	3.24	15.03	10.27	32.32
HERBICIDE SPRAYR	4,62	MAY	1.00	0.698	0.529	3.50	3.49	9.25	17.05	33.29
SPRAYER H. SPEED	4,83	JUNE	1.00	0.324	0.246	1.89	1.62	29.28	5.13	37.92
SPRAYER H. SPEED	4,83	JULY	1.00	0.324	0.246	1.89	1.62	12.78	5.13	21.42
SPRAYER H. SPEED	4,83	AUG	1.00	0.324	0.246	1.89	1.62	29.28	5.13	37.92
HERBICIDE SPRAYR	4,62	AUG	1.00	0.698	0.529	3.50	3.49	9.25	17.05	33.29
SHREDDER	4,30	OCT	1.00	0.263	0.199	1.41	1.31	0.0	4.00	6.72
TOTALS				4.070	3.083	22.24	20.35	150.10	76.94	269.63

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	1.00	0.100	0.0	2.57	0.40	0.0	2.04	5.01
WATER APPLICATION	APR	2.00	0.200	0.0	5.14	0.80	0.0	4.08	10.02
WATER APPLICATION	MAY	2.60	0.260	0.0	6.68	1.04	0.0	5.30	13.03
WATER APPLICATION	JUNE	2.60	0.260	0.0	6.68	1.04	0.0	5.30	13.03
WATER APPLICATION	JULY	2.60	0.260	0.0	6.68	1.04	0.0	5.30	13.03
WATER APPLICATION	AUG	2.60	0.260	0.0	6.68	1.04	0.0	5.30	13.03
WATER APPLICATION	SEPT	2.60	0.260	0.0	6.68	1.04	0.0	5.30	13.03
TOTALS		16.00	1.600	0.0	41.12	6.40	0.0	32.64	80.16

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 PECANS
(DOLLARS)

QUANTITY OF PECANS	LB.	PRICE OF PECANS (DOLLARS)				
		0.80	0.90	1.00	1.10	1.20
960.		162.60	258.60	354.60	450.60	546.59
1080.		225.00	333.00	441.00	549.00	656.99
1200.		287.40	407.40	527.40	647.40	767.40
1320.		349.80	481.80	613.80	745.80	877.79
1440.		412.20	556.20	700.20	844.20	988.19

LISTING OF THE NAME SET AND PRICE VECTOR REGION NUMBER: 12 DATE: 041184

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	260	GROWTH RETARDANT	COTT	APPL	12.00
73	GRAIN SORGHUM	_____	CWT.	4.75	269	CUSTOM HARVEST	WHET	ACRE	17.50
77	CORN	FOOD	BU.	3.95	270	CUSTOM HARVEST D	SORG	ACRE	18.00
79	WINTER WHEAT	_____	BU.	3.35	271	CUSTOM HARVEST I	SORG	CWT.	0.45
80	SPRING WHEAT	_____	BU.	3.35	272	CUSTOM HARVEST	CORN	ACRE	25.00
82	PROC. BEETS #1	FOOD	TON	72.00	275	CUSTOM HARV&HAUL	BEET	TON	11.00
83	PROC. BEETS #2	FOOD	TON	90.00	282	GIN, BAG, TIES	_____	BALE	49.00
84	PROC. BEETS #3	FOOD	TON	10.00	283	HAUL GRAIN SORG	_____	CWT.	0.30
85	USABLE CULLS	BEET	TON	1.00	284	HAUL WHEAT	_____	BU.	0.15
86	PROC. CARROTS #2	_____	TON	64.00	285	HAUL CORN	_____	BU.	0.17
87	PROC. CARROTS #3	_____	TON	36.00	288	HAUL GUAR	_____	CWT.	0.25
88	PROC. CARROTS #1	_____	TON	15.00	289	CUS HARV GUAR	_____	ACRE	25.00
89	CARROT CULLS	_____	TON	1.00	291	SD COTTON-UPLAND	_____	LB.	0.60
90	DEFICIENCY PMT.	COTT	LB.	0.18	296	HARVEST AND HAUL	CARR	TON	11.00
91	DEFICIENCY PMT.	CORN	BU.	0.35	297	CUSTOM COMBINE	PEAN	CWT.	1.50
92	GUAR	_____	CWT.	20.00	311	HIRE PLANT EQUIP	PECN	hour	2.00
93	COTTON LINT	DRY	LB.	0.55	315	CUSTOM CHSL PLOW	PECN	APPL	10.00
94	COTTONSEED	_____	TON	180.00	320	CUST RETARD APPL	COTT	APPL	3.50
95	SPANISH PEANUTS	_____	CWT.	28.00	322	CUSTOM HAULING	COW	HEAD	8.00
96	PECANS	NATV	LB.	1.00	328	CUST COTTON PICK	_____	LB.	0.11
98	SOYBEANS	_____	BU.	6.25	329	FUNGICIDE APPLI.	AIR	ACRE	2.90
99	COTTON LINT	IRRI	LB.	0.68	330	FERTILIZER APPLI	GRND	ACRE	2.50
103	SALT & MIN.	_____	LB.	0.30	331	PESTICIDE APPLI.	CSTM	ACRE	3.50
107	COTTONSEED CAKE	_____	LB.	0.14	332	HERBICIDE APPLI.	CSTM	ACRE	4.00
153	PASTURE RENT	UNIM	ACRE	3.50	333	INSECT. APPLI.	AIR	APPL	3.50
154	PASTURE RENT	PAIM	ACRE	4.00	335	DEFOLIANT APPLI.	COTT	ACRE	3.50
155	SORGHUM PASTURE	_____	DAYS	0.50	339	MOW,RAKE,BALE	HAY	BALE	0.90
156	PASTURE RENT	IMPR	ACRE	7.50	348	CUSTM DISC	PECN	APPL	8.00
161	CORN SILAGE	_____	TON	23.00	349	CUSTM LAND PLANE	PECN	APPL	6.00
175	SORGHUM HAY	_____	TON	65.00	368	TREES (5-6 FT)	PECN	TREE	8.00
180	PASTURE MAINT.	IMPR	ACRE	2.00	373	MISC. EXPENSE	PECN	ACRE	15.00
184	SEED CORN/GRAIN	_____	LB.	1.40	374	CUSTM PICKING	PECN	LB.	0.28
185	SEED CORN/SILAGE	_____	LB.	1.00	393	MISC EXPENSE	LIVE	DOL.	5.00
186	GRAIN SORG. SEED	_____	LB.	0.76	396	WATER FACIL REPR	LIVE	HEAD	2.00
187	FORAGE SORG SEED	_____	LB.	0.32	410	VET MEDICINE	LIVE	DOL.	5.00
189	SOYBEAN SEED	_____	LB.	0.32	450	FED CRP (65%@\$4)	DRY	ACRE	4.75
195	GUAR SEED	_____	LB.	0.65	451	FED CRP (65%@\$4)	IRR	ACRE	4.25
212	NITROGEN (DRY)	_____	LB.	0.26	452	RISK INSURANCE	PEAN	ACRE	15.00
213	NITROGEN (ANHY)	_____	LB.	0.13	455	GEN. & HAIL INS.	COTT	ACRE	14.00
214	NITROGEN (LIQ)	_____	LB.	0.26	456	GEN. & HAIL INS.	CORN	ACRE	15.00
215	PHOSPHATE	_____	LB.	0.22	474	LAND-CASH RENT	VEGE	ACRE	50.00
234	VITAVAX APPL.	FUNG	APPL	30.00	475	LAND-CASH RENT	IRRI	ACRE	65.00
239	FUNGICIDE	DTRT	LB.	11.00	479	GRAZING LEASES	LIVE	ACRE	3.50
240	INSECTICIDE	ZOLO	GAL.	2.70	486	SALES COMM	LIVE	HEAD	9.00
241	CUST INSECT.	PEAN	APPL	21.00	490	ZINC SULPHATE	PECN	LB.	0.30

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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
491	SURFACTANT	SOAP	LB.	0.60	546	HERBICIDE	CORN	ACRE	15.00
492	CHAIN SAW	PECN	HOUR	1.50	547	HERBICIDE	COTT	ACRE	8.00
493	LOG SPLITTER	PECN	HOUR	3.00	548	HERBICIDE	CUCU	ACRE	6.00
499	BORON APPLICAT.	BEET	ACRE	3.00	549	HERBICIDE	LETT	ACRE	9.00
500	BORON	BEET	ACRE	2.75	550	HERBICIDE	SORG	ACRE	10.00
501	CABBAGE	_____	BAG	3.50	551	HERBICIDE	ONIO	ACRE	25.00
502	CANTALOUPS	_____	CRTN	5.50	552	HERBICIDE	SP,B	ACRE	25.00
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	INSECTICIDE	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	573	FUNGICIDE	CUC.	APPL	7.00
523	LETTUCE SEED	_____	LB.	28.00	574	FUNGICIDE	LETT	APPL	5.40
524	PEANUT SEED	_____	LB.	0.62	575	FUNGICIDE	ONIO	APPL	6.00
525	SUNFLOWER SEED	_____	LB.	0.50	576	FUNGICIDE	PEAN	APPL	7.70
526	SPRIG & SPRIGGNG	_____	ACRE	40.00	577	FUNGICIDE	SPIN	APPL	5.00
527	HARV, PACK & MKT	CABB	BAG	2.10	578	CSTL PAST GRAZNG	_____	DAYS	0.50
528	HARV, PACK & MKT	CANT	CRTN	4.25	579	CUSTOM ROOT PLOW	_____	ACRE	45.00
529	HARV, PACK & MKT	CARR	BAG	4.50	580	CSTL BERMUDA HAY	_____	TON	60.00
530	HRV,PKG,MKT	CCMB	CRTN	4.25	581	CUST HARV, STRIP	COTT	CWT.	1.75
531	HARVEST, PICKLES	CCMB	CWT.	4.00	582	GIN STRPR COTTON	_____	CWT.	1.75
532	HARV,PKG,MKT	ONIO	BAG	3.30	583	BL,BG,TIE-ST CTN	_____	BALE	13.00
533	HARV,PKG,MKT	SPIN	BU.	4.50	584	BEEHIVE RENT	_____	ACRE	15.00
534	HARV,PKG,HAUL	PRSP	TON	5.50	585	BEET SEED	_____	LB.	3.00
535	HARV,PKG,HAUL	LETT	CRTN	4.25	586	NEMATICIDE	_____	APPL	28.00
536	HARVEST & HAUL	SUNF	ACRE	25.00	587	FLORUNNER PEANUT	_____	CWT.	28.00
537	CUSTOM DRYING	PEAN	TON	25.00	588	FUNGICIDE	BEET	ACRE	6.60
538	CUSTOM HAUL	PEAN	TON	7.00	589	ALLOTMENT LEASE	PEAN	CWT.	2.75
539	CUSTOM HARVEST	SOYB	BU.	0.75	590	SPINACH SECONDS	_____	TON	1.00
540	CUSTOM HAUL	SOYB	BU.	0.15	591	GRAZING	_____	DAYS	0.50
541	CUSTOM HAUL	HAY	BALE	0.15	592	CUSTOM FERTILIZE	_____	ACRE	2.00
542	HERBICIDE	HAY	ACRE	2.40	593	SUNFLOWERS	_____	LB.	0.08
543	HERBICIDE	CABB	ACRE	8.00	595	INNOCULANT	_____	ACRE	0.50
544	HERBICIDE	CANT	ACRE	6.00	596	CUSTOM HAUL	_____	CWT.	0.20
545	HERBICIDE	CARR	ACRE	8.00	598	MISC ADMIN O/H	_____	ACRE	15.00

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LISTING OF THE NAME SET AND PRICE VECTOR REGION NUMBER: 12 DATE: 041184

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
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599	HERBICIDE	GUAR	ACRE	4.00	---	---	---	---	---
600	CORD WOOD	PECN	KWH	45.00	---	---	---	---	---

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TABLE . DEFAULT PARAMETER VALUES AND DEFINITIONS
 REGION: 12 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 12

DATE:012384

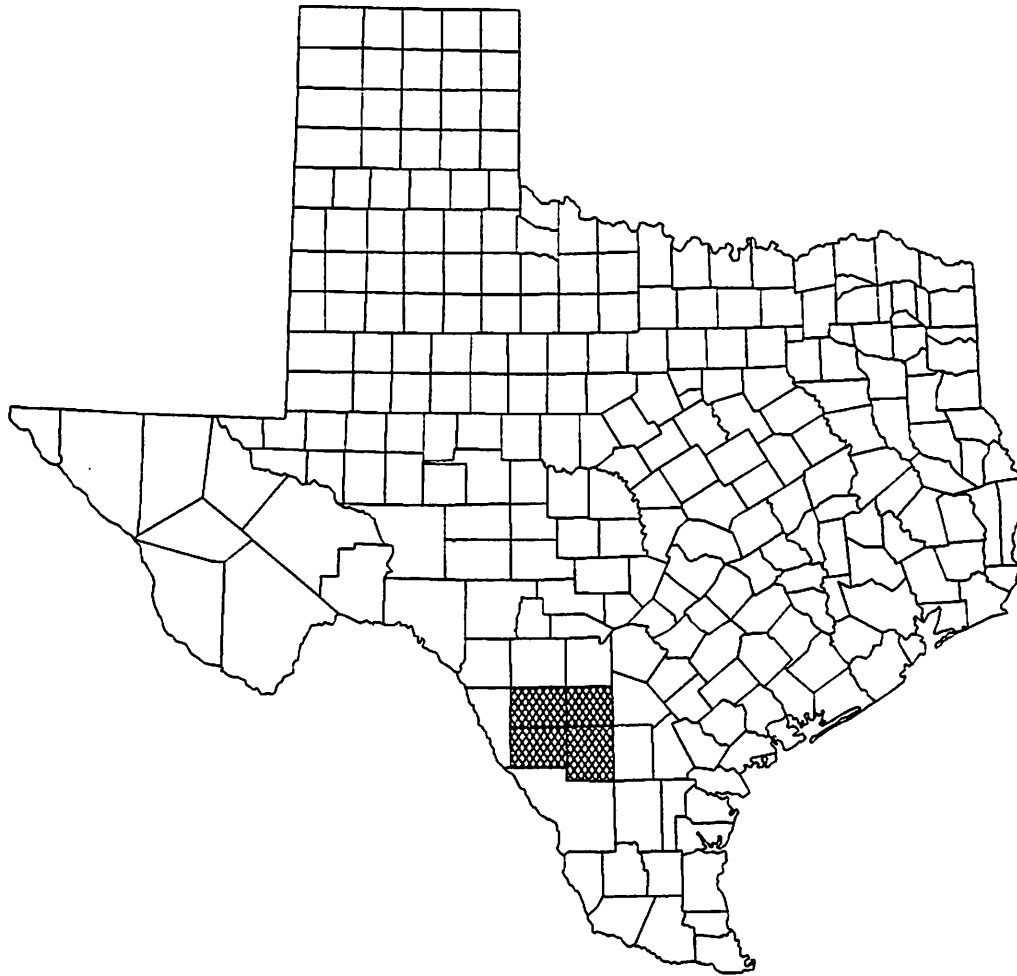
OUT4

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.	0.88	0.92	45225.	3.	12000.	150.
TRACTOR	2.	125.0	43775.	4.5	0.88	1.20	0.	1.80	800.	7.	0.88	0.92	39400.	3.	12000.	125.
TRACTOR	3.	100.0	37400.	4.5	0.88	1.20	0.	1.80	500.	7.	0.88	0.92	33660.	3.	12000.	100.
TRACTOR	4.	75.0	24500.	4.5	0.88	1.20	0.	1.80	300.	7.	0.88	0.92	22050.	3.	12000.	75.
TRACTOR	5.	40.0	14425.	4.5	0.88	1.20	0.	1.80	300.	7.	0.88	0.92	12980.	3.	12000.	40.
TRACTOR 4 WH DR	6.	225.0	78275.	4.5	0.88	1.20	0.	1.80	700.	7.	0.88	0.92	71890.	3.	12000.	225.
PICKUP TRUCK	10.	8.0	10500.	30.0	0.88	0.80	0.	1.80	100.	10.	0.80	0.88	9500.	1.	2800.	30.
PECAN PICKER	18.	8.0	13000.	4.0	0.70	0.33	0.	1.80	100.	7.	0.80	0.88	4750.	0.	2000.	0.
SHREDDER	30.	14.0	5180.	3.7	0.80	0.80	0.	1.80	200.	7.	0.80	0.88	3780.	0.	2000.	0.
MOLDBOARD PLOW	32.	5.3	6480.	4.5	0.80	1.00	0.	1.80	100.	7.	0.80	0.88	5590.	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.	4.8	0.83	0.85	0.	1.80	100.	7.	0.80	0.88	5590.	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.	0.80	0.88	1780.	0.	2000.	0.
ROLLING CULT 4R	37.	12.0	2700.	3.5	0.80	1.00	0.	1.80	100.	7.	0.80	0.88	2700.	0.	2000.	0.
ROLLING CULT 6R	38.	18.0	3780.	3.5	0.80	1.00	0.	1.80	100.	7.	0.80	0.88	3780.	0.	2000.	0.
CULTIVATOR 4R	39.	12.0	3025.	5.0	0.80	1.00	0.	1.80	100.	7.	0.80	0.88	2590.	0.	2000.	0.
CULTIVATOR 6R	40.	18.0	3240.	5.0	0.80	1.00	0.	1.80	100.	7.	0.80	0.88	3240.	0.	2000.	0.
PLANTER 4R	41.	13.3	5180.	4.5	0.80	0.80	0.	1.80	75.	7.	0.80	0.88	5180.	0.	1200.	0.
PLANTER 6R	42.	18.0	6480.	4.5	0.80	0.80	0.	1.80	75.	7.	0.80	0.88	6480.	0.	1200.	0.
FIELD CULTIVATOR	43.	15.0	3780.	5.0	0.80	1.00	0.	1.80	200.	7.	0.80	0.88	3780.	0.	2000.	0.
STANHAY PLANTER	44.	13.3	3240.	4.5	0.80	0.80	0.	1.80	75.	7.	0.80	0.88	3240.	0.	1200.	0.
GRAIN DRILL	46.	14.0	3890.	4.0	0.72	0.75	0.	1.80	50.	7.	0.80	0.88	3890.	0.	1000.	0.
BED SHAPER 6R	48.	12.0	2700.	4.5	0.80	1.00	0.	1.80	100.	7.	0.80	0.88	1950.	0.	2000.	0.
LAND PLANE	50.	12.0	6480.	5.0	0.80	0.80	0.	1.80	100.	7.	0.80	0.88	6480.	0.	2500.	0.
TANDEM DISC	58.	14.0	4320.	4.5	0.83	0.85	0.	1.80	100.	7.	0.80	0.88	4320.	0.	2000.	0.
DRY FERT SPRDER	60.	20.0	2700.	4.0	0.87	1.20	0.	1.80	50.	7.	0.80	0.88	2700.	0.	1200.	0.
ANHYDROUS SPRDER	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.	6.0	3000.	4.0	0.85	1.00	0.	1.80	35.	7.	0.80	0.88	2800.	0.	1200.	0.
HERBICIDE SPRAYR	63.	12.0	1300.	4.0	0.85	1.00	0.	1.80	35.	7.	0.80	0.88	1300.	0.	1200.	0.
ROD WEEDER	65.	16.0	1190.	5.0	0.80	1.00	0.	1.80	100.	10.	0.80	0.88	1080.	0.	2000.	0.
PEANUT DIC SHK2R	66.	6.7	3240.	2.5	0.80	1.00	0.	1.80	250.	12.	0.80	0.88	1300.	0.	3000.	0.
PEANUT COMB. 4R	67.	13.3	16200.	2.5	0.80	0.50	0.	1.80	250.	12.	0.80	0.88	16200.	0.	3000.	0.
PEANUT PLANTER	68.	12.7	5400.	4.5	0.80	0.80	0.	1.80	75.	10.	0.80	0.88	5400.	0.	1200.	0.
HARROW SPIKE	73.	24.0	1820.	4.5	0.80	0.85	0.	1.80	35.	10.	0.80	0.88	1820.	0.	2000.	0.
SPRAYER H. SPEED	83.	150.0	5500.	0.3	0.70	0.80	0.	1.80	200.	7.	0.80	0.88	5500.	0.	2000.	0.
SPRAYER HYDRAULIC	84.	150.0	1500.	0.3	0.70	0.80	0.	1.80	200.	7.	0.80	0.88	1000.	0.	3000.	0.
PECAN SHAKER HYD	87.	17.5	4200.	0.8	0.80	0.33	0.	1.80	250.	12.	0.80	0.88	3800.	0.	3000.	0.

TEXAS LIVESTOCK ENTERPRISE BUDGETS

TEXAS WINTER GARDEN REGION

Projected for 1984



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COW-CALF PRODUCTION TEXAS WINTER GARDEN 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	0.05	HEAD	1.00	1083.33	54.17	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 801.07	\$

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	22.00	1.00	22.0 ACRE	2.50	55.00	
TOTAL PROJECTED RETURNS					\$ 285.00	\$

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					1.02	
TOTAL OPERATING COST					\$ 66.18	\$

RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT	\$ 218.82	\$
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CAPITAL INVESTMENT		QUANTITY	UNIT	RATE OF	PROJECTED	
		INVESTED		RETURN	COST	
ANNUAL OPERATING CAPITAL	-20.82	DOL.	0.125	-2.60		
EQUIPMENT INVESTMENT	54.15	DOL.	0.125	6.77		
LIVESTOCK INVESTMENT	801.07	DOL.	0.125	100.13		
TOTAL CAPITAL COST				\$ 104.30	\$	

RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT	\$ 114.52	\$
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OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)		PROJECTED	
		COST	
EQUIPMENT		9.06	
LIVESTOCK		35.66	
TOTAL OWNERSHIP COST		\$ 44.72	\$

RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT	\$ 69.80	\$
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OPERATOR LABOR COSTS		LABOR USE	UNIT	RATE OF	PROJECTED	
				RETURN	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	\$ 34.65	\$
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LAND COSTS		INPUT USE	UNIT	RATE OF	PROJECTED	
				RETURN	COST	
PASTURE RENT	22.00	ACRE	3.50	77.00		
TOTAL LAND COST				\$ 77.00	\$	

RESIDUAL RETURNS TO MANAGEMENT AND PROFIT	\$ -42.35	\$
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TOTAL PROJECTED COST OF PRODUCTION	\$ 327.35	\$
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SPRING CALVING, 80% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 10,000 ACRE RANCH, 450 ANIMAL UNITS.

**COW-CALF PRODUCTION TEXAS WINTER GARDEN 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	
	(DOLLARS)												TOTAL
AVER. ANNUAL CAPITAL	-2.19	-1.43	-1.15	0.28	-1.43	-0.43	0.57	2.20	-11.82	0.55	-3.48	-2.82	-20.82
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	0.63	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	178.82	14.37	0.0	13.00	0.0	0.0	407.89	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	37.18	2.98	0.0	5.00	0.0	0.0	85.16	5.00	0.0	0.002
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	781.07	63.29	0.0	252.00	1470.00	73.50	1911.50	1795.50	700.00	0.002
COW RAISED	51	18.75	85.55	6.84	3.42	0.0	0.0	0.0	114.56	0.0	0.0	1.000
BULL PURCHASED	54	88.67	135.42	10.83	5.42	0.0	0.0	0.0	238.33	0.0	0.0	0.050
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	82.98	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.	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.	8500.	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 WINTER GARDEN 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	0.04	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	0.43	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	18.00	1.00	18.0 ACRE	2.50	45.00	
TOTAL PROJECTED RETURNS					\$ 302.81	\$
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	1.00	HEAD		2.00	2.00	
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					1.43	
TOTAL OPERATING COST					\$ 73.50	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 229.30	\$
CAPITAL INVESTMENT		QUANTITY	UNIT	RATE OF	PROJECTED	
		INVESTED		RETURN	COST	
ANNUAL OPERATING CAPITAL	-8.42	DOL.		0.125	-1.05	
EQUIPMENT INVESTMENT	66.43	DOL.		0.125	8.30	
LIVESTOCK INVESTMENT	790.24	DOL.		0.125	98.78	
TOTAL CAPITAL COST					\$ 106.03	\$
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 123.27	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)					PROJECTED	
					COST	
EQUIPMENT					11.19	
LIVESTOCK					34.63	
TOTAL OWNERSHIP COST					\$ 45.82	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 77.45	\$
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					\$ 42.11	\$
LAND COSTS		INPUT	UNIT	RATE OF	PROJECTED	
		USE		RETURN	COST	
PASTURE RENT	18.00	ACRE		4.00	72.00	
TOTAL LAND COST					\$ 72.00	\$
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ -29.89	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 332.69	\$

SPRING CALVING, 85% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 4,500 ACRE RANCH, 250 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 WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER COW
ONE-THIRD IMPROVED AND TWO-THIRDS UNIMPROVED 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	
AYER. ANNUAL CAPITAL	-0.70	0.50	0.80	1.79	-0.28	0.71	1.78	2.98	-13.11	0.85	-2.08	-1.43	TOTAL -5.42
LABOR REQUIREMENTS													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	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	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	85.15	5.00	0.0	0.003
FENCE	4	83.33	67.71	5.42	0.0	4.17	0.0	0.0	155.48	4.17	0.0	0.004
PICKUP TRUCK	10	1057.14	791.07	63.29	0.0	252.00	1470.00	73.50	1911.50	1795.50	700.00	0.004
COW RAISED	51	18.75	85.55	5.84	3.42	0.0	0.0	0.0	114.58	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	0.040
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	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.	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 WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER COW
IMPROVED PASTURE (BUFFEL GRASS)

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	30.95	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					\$ 777.86	\$
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	1.00	HEAD		2.00	2.00	
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					1.65	
TOTAL OPERATING COST					\$ 80.73	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 205.31	\$
CAPITAL INVESTMENT				QUANTITY	UNIT	RATE OF
				INVESTED		RETURN
ANNUAL OPERATING CAPITAL	41.61	DOL.		0.125	5.20	
EQUIPMENT INVESTMENT	68.42	DOL.		0.125	8.55	
LIVESTOCK INVESTMENT	777.86	DOL.		0.125	97.23	
TOTAL CAPITAL COST					\$ 110.99	\$
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 94.32	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)				PROJECTED		
					COST	
EQUIPMENT					11.60	
LIVESTOCK					33.46	
TOTAL OWNERSHIP COST					\$ 45.06	\$
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 49.27	\$
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					\$ 13.17	\$
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					\$ -61.83	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 347.87	\$

SPRING CALVING, 90% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 2000 ACRE RANCH, 200 ANIMAL UNITS.

**COW-CALF PRODUCTION TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER COW
IMPROVED PASTURE (BUFFEL GRASS)**

	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	3.83	4.92	5.64	6.70	4.70	5.49	6.73	7.85	-10.88	1.22	2.36	3.03	41.61
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	0.29	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	0.50	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	0.79	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	179.52	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	5.95	0.0	10.00	0.0	0.0	170.32	10.00	0.0	0.003	
TACK	3	45.00	37.19	2.95	0.0	5.00	0.0	0.0	85.18	5.00	0.0	0.003	
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	15.75	85.55	8.84	3.42	0.0	0.0	0.0	114.58	0.0	0.0	1.000	
BULL PURCHASED	54	86.67	135.42	10.83	5.42	0.0	0.0	0.0	238.33	0.0	0.0	0.029	
HEIFER RAISED	55	0.0	56.25	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	140.88	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.	15.	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.	1200.	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