CUCUMBERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CUCUMBERS	250.00	CRTN	6.50	1625.00	________
TOTAL PROJECTED RETURNS				$ 1625.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*CUCUMBER SEED	3.00	LB.	5.30	15.90	________
*NITROGEN (LIQ)	40.00	LB.	0.25	10.00	________
*PHOSPHATE	80.00	LB.	0.30	24.00	________
*HERBICIDE	1.00	ACRE	6.00	6.00	________
*INSECTICIDE	1.00	APPL	10.00	10.00	________
*FUNGICIDE	5.00	APPL	7.00	35.00	________
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	________
BEEHIVE RENT	0.50	ACRE	15.00	7.50	________
*NITROGEN (DRY)	40.00	LB.	0.25	10.00	________
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	________
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.79	________
EQUIPMENT		ACRE		1.08	________
IRRIGATION		ACRE		50.56	________
REPAIRS------TRACTOR		ACRE		3.60	________
EQUIPMENT		ACRE		2.61	________
IRRIGATION		ACRE		12.16	________
LABOR--------MACHINERY	2.50	HOUR	5.00	12.48	________
IRRIGATION	1.60	HOUR	3.80	6.08	________
EQUIPMENT	0.49	HOUR	3.80	1.86	________
OTHER	10.00	HOUR	3.80	38.00	________
OPERATING CAPITAL	18.61	DOL.	0.135	2.51	________
SUBTOTAL, PREHARVEST		ACRE		$ 294.63	$________
HARVEST COSTS					
HRV,PKG,MKT	250.00	CRTN	4.25	1062.50	________
SUBTOTAL, HARVEST		ACRE		$ 1062.50	$________
TOTAL VARIABLE COSTS		ACRE		$ 1357.13	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 5.43/CRTN CUCUMBERS			
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 267.87	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		27.50	________
EQUIPMENT		ACRE		22.87	________
IRRIGATION		ACRE		32.64	________
LAND-CASH RENT	1.00	ACRE	30.00	30.00	________
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	________
TOTAL FIXED COSTS		ACRE		$ 120.51	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 1477.65	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 5.91/CRTN CUCUMBERS			
6. NET PROJECTED RETURNS		ACRE		$ 147.35	$________

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

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

CUCUMBERS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	3,30	JUNE	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	JUNE	2.20	0.501	0.380	3.57	2.51	0.0	10.39	16.47
MOLDBOARD PLOW	1,32	JUNE	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	JUNE	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
HERBICIDE SPRAYR	63	JUNE	1.00	0.0	0.264	0.08	0.0	6.00	2.13	8.21
DRY FERT SPRDER	3,60	JULY	1.00	0.203	0.154	1.46	1.02	34.00	3.82	40.29
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.20	1.52	15.90	5.16	24.78
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
TOTALS				2.497	2.156	20.82	12.48	55.90	48.97	138.17

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	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	AUG	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	SEPT	4.00	0.400	0.0	15.68	1.52	10.00	8.16	35.36
WATER APPLICATION	OCT	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
TOTALS		16.00	1.600	0.0	62.72	6.08	10.00	32.64	111.44

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)

QUANTITY OF CUCUMBERS (CRTN)	5.20	5.85	6.50	7.15	7.80
200.00	-104.63	25.37	155.37	285.36	415.36
225.00	-80.88	65.37	211.62	357.86	504.11
250.00	-57.13	105.37	267.87	430.36	592.86
275.00	-33.38	145.37	324.11	502.86	681.61
300.00	-9.63	185.37	380.36	575.36	770.36

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

CUCUMBERS (PICKLES) IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CUCUMB. PICKLES	105.00	CWT.	7.50	787.50	________
TOTAL PROJECTED RETURNS				$ 787.50	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*CUCUMBER-PCKL SD	2.25	LB.	5.30	11.93	________
*NITROGEN (LIQ)	40.00	LB.	0.25	10.00	________
*PHOSPHATE	80.00	LB.	0.30	24.00	________
*HERBICIDE	1.00	ACRE	6.00	6.00	________
*INSECTICIDE	6.00	APPL	10.00	60.00	________
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	________
BEEHIVE RENT	0.50	ACRE	15.00	7.50	________
*NITROGEN (DRY)	40.00	LB.	0.25	10.00	________
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	________
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		15.95	________
EQUIPMENT		ACRE		0.62	________
IRRIGATION		ACRE		37.92	________
REPAIRS------TRACTOR		ACRE		3.89	________
EQUIPMENT		ACRE		2.65	________
IRRIGATION		ACRE		9.12	________
LABOR--------MACHINERY	2.72	HOUR	5.00	13.62	________
IRRIGATION	1.20	HOUR	3.80	4.56	________
EQUIPMENT	0.28	HOUR	3.80	1.06	________
OTHER	10.00	HOUR	3.80	38.00	________
OPERATING CAPITAL	35.41	DOL.	0.135	4.78	________
SUBTOTAL, PREHARVEST		ACRE		$ 295.60	$________
HARVEST COSTS					
HARVEST, PICKLES	105.00	CWT.	4.00	420.00	________
SUBTOTAL, HARVEST		ACRE		$ 420.00	$________
TOTAL VARIABLE COSTS		ACRE		$ 715.60	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 6.82/CWT. CUCUMB. PICKLES			
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 71.90	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		29.75	________
EQUIPMENT		ACRE		23.22	________
IRRIGATION		ACRE		24.48	________
LAND-CASH RENT	1.00	ACRE	30.00	30.00	________
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	________
TOTAL FIXED COSTS		ACRE		$ 114.94	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 830.54	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 7.91/CWT. CUCUMB. PICKLES			
6. NET PROJECTED RETURNS		ACRE		$ -43.04	$________

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

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

CUCUMBERS (PICKLES) IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	3,30	AUG	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	AUG	2.20	0.501	0.380	3.57	2.51	0.0	10.39	16.47
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
CULTIVATOR 4R	3,39	AUG	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	6.00	2.13	8.21
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.46	1.02	34.00	3.82	40.29
STANHAY PLANTER	3,44	AUG	1.00	0.303	0.230	2.20	1.52	11.93	5.16	20.80
CULTIVATOR 4R	3,39	SEPT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	OCT	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
TOTALS				2.723	2.328	22.39	13.62	51.92	52.16	140.09

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	AUG	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	SEPT	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	OCT	3.00	0.300	0.0	11.76	1.14	10.00	6.12	29.02
WATER APPLICATION	NOV	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		12.00	1.200	0.0	47.04	4.56	10.00	24.48	86.08

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)

QUANTITY OF CUCUMB. PICKLES	CWT.	6.00	6.75	7.50	8.25	9.00
	84.00	-127.60	-64.60	-1.60	61.40	124.40
	94.50	-106.60	-35.72	35.15	106.03	176.90
	105.00	-85.60	-6.85	71.90	150.65	229.40
	115.50	-64.60	22.03	108.65	195.28	281.90
	126.00	-43.60	50.90	145.40	239.90	334.40

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

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 03/23/83. B-1241(C12)

LETTUCE, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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.	0.25	37.50	________
*PHOSPHATE	80.00	LB.	0.30	24.00	________
*HERBICIDE	1.00	ACRE	9.00	9.00	________
*INSECTICIDE	11.00	APPL	8.00	88.00	________
*FUNGICIDE	6.00	APPL	5.40	32.40	________
PESTICIDE APPLI.	11.00	ACRE	3.50	38.50	________
*NITROGEN (DRY)	75.00	LB.	0.25	18.75	________
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		16.34	________
EQUIPMENT		ACRE		1.39	________
IRRIGATION		ACRE		37.92	________
REPAIRS------TRACTOR		ACRE		3.90	________
EQUIPMENT		ACRE		2.66	________
IRRIGATION		ACRE		9.12	________
LABOR--------MACHINERY	2.55	HOUR	5.00	12.73	________
IRRIGATION	1.20	HOUR	3.80	4.56	________
EQUIPMENT	0.63	HOUR	3.80	2.39	________
OTHER	12.00	HOUR	3.80	45.60	________
OPERATING CAPITAL	15.48	DOL.	0.135	2.09	________
SUBTOTAL, PREHARVEST		ACRE		$ 414.85	$________
HARVEST COSTS					
HARV,PKG,HAUL	500.00	CRTN	4.25	2125.00	________
SUBTOTAL, HARVEST		ACRE		$ 2125.00	$________
TOTAL VARIABLE COSTS		ACRE		$ 2539.85	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 5.08/CRTN LETTUCE			
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 210.15	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		29.84	________
EQUIPMENT		ACRE		22.92	________
IRRIGATION		ACRE		24.48	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	________
TOTAL FIXED COSTS		ACRE		$ 124.74	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 2664.59	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 5.33/CRTN LETTUCE			
6. NET PROJECTED RETURNS		ACRE		$ 85.41	$________

LETTUCE IS PACKED AND MARKETED 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 WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	3,30	JULY	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	JULY	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	AUG	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
STANHAY PLANTER	3,44	OCT	1.00	0.303	0.230	2.20	1.52	28.00	5.16	36.88
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	9.00	2.13	11.21
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.46	1.02	42.75	3.82	49.04
TOTALS				2.547	2.194	22.67	12.73	79.75	50.95	166.11

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	OCT	4.00	0.400	0.0	15.68	1.52	18.75	8.16	44.11
WATER APPLICATION	NOV	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	DEC	4.00	0.400	0.0	15.68	1.52	18.75	8.16	44.11
TOTALS		12.00	1.200	0.0	47.04	4.56	37.50	24.48	113.58

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)

QUANTITY OF LETTUCE CRTN	4.40	4.95	5.50	6.05	6.60
400.00	-354.85	-134.85	85.15	305.15	525.15
450.00	-347.35	-99.85	147.65	395.15	642.65
500.00	-339.85	-64.85	210.15	485.15	760.15
550.00	-332.35	-29.85	272.65	575.15	877.65
600.00	-324.85	5.15	335.15	665.15	995.15

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

ONIONS, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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	INPUT USE				
PREHARVEST COSTS					
*ONION SEED	3.00	LB.	20.00	60.00	________
*NITROGEN (LIQ)	50.00	LB.	0.25	12.50	________
*PHOSPHATE	80.00	LB.	0.30	24.00	________
*HERBICIDE	1.00	ACRE	4.00	4.00	________
*INSECTICIDE	3.00	APPL	6.00	18.00	________
*FUNGICIDE	6.00	APPL	6.00	36.00	________
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	________
*NITROGEN (DRY)	50.00	LB.	0.25	12.50	________
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	________
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		19.05	________
EQUIPMENT		ACRE		1.08	________
IRRIGATION		ACRE		56.88	________
REPAIRS------TRACTOR		ACRE		4.63	________
EQUIPMENT		ACRE		2.95	________
IRRIGATION		ACRE		13.68	________
LABOR--------MACHINERY	3.20	HOUR	5.00	16.01	________
IRRIGATION	1.80	HOUR	3.80	6.84	________
EQUIPMENT	0.49	HOUR	3.80	1.86	________
OTHER	10.00	HOUR	3.80	38.00	________
OPERATING CAPITAL	80.34	DOL.	0.135	10.85	________
SUBTOTAL, PREHARVEST		ACRE		$ 372.83	$________
HARVEST COSTS					
HARV,PKG,MKT	450.00	BAG	3.30	1485.00	________
SUBTOTAL, HARVEST		ACRE		$ 1485.00	$________
TOTAL VARIABLE COSTS		ACRE		$ 1857.83	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 4.13/BAG	ONIONS		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 617.17	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		35.40	________
EQUIPMENT		ACRE		25.54	________
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		$ 162.66	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 2020.49	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 4.49/BAG	ONIONS		
6. NET PROJECTED RETURNS		ACRE		$ 454.51	$________

ONIONS ARE PACKED AND MARKETED 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
1983 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	3,30	SEPT	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	OCT	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
MOLDBOARD PLOW	1,32	OCT	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	OCT	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	OCT	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	OCT	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
DRY FERT SPRDER	3,60	OCT	1.00	0.203	0.154	1.46	1.02	36.50	3.82	42.79
BED SHAPER 6R	1,48	OCT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
CULTIVATOR 4R	3,39	NOV	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
STANHAY PLANTER	3,44	NOV	1.00	0.303	0.230	2.20	1.52	60.00	5.16	68.88
CULTIVATOR 4R	3,39	JAN	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	FEB	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
CULTIVATOR 4R	3,39	MAR	1.00	0.227	0.172	1.57	1.13	0.0	3.19	5.90
TOTALS				3.202	2.690	26.46	16.01	100.50	59.54	202.51

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	OCT	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	DEC	4.00	0.400	0.0	15.68	1.52	12.50	8.16	37.86
WATER APPLICATION	JAN	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	MAR	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	APR	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		18.00	1.800	0.0	70.56	6.84	12.50	36.72	126.62

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF ONIONS (DOLLARS)

	BAG	4.40	4.95	5.50	6.05	6.60
QUANTITY OF ONIONS	360.00	23.17	221.17	419.17	617.17	815.17
	405.00	72.67	295.42	518.17	740.92	963.67
	450.00	122.17	369.67	617.17	864.67	1112.17
	495.00	171.67	443.92	716.17	988.42	1260.67
	540.00	221.17	518.17	815.17	1112.17	1409.17

FRESH MARKET SPINACH, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 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.	2.20	17.60	________
*NITROGEN (LIQ)	60.00	LB.	0.25	15.00	________
*PHOSPHATE	120.00	LB.	0.30	36.00	________
*HERBICIDE	1.00	ACRE	20.00	20.00	________
*INSECTICIDE	6.00	APPL	10.00	60.00	________
*FUNGICIDE	7.00	APPL	5.40	37.80	________
PESTICIDE APPLI.	7.00	ACRE	3.50	24.50	________
*NITROGEN (DRY)	30.00	LB.	0.25	7.50	________
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		19.63	________
EQUIPMENT		ACRE		1.70	________
IRRIGATION		ACRE		50.56	________
REPAIRS------TRACTOR		ACRE		4.77	________
EQUIPMENT		ACRE		3.16	________
IRRIGATION		ACRE		12.16	________
LABOR--------MACHINERY	2.98	HOUR	5.00	14.88	________
IRRIGATION	1.60	HOUR	3.80	6.08	________
EQUIPMENT	0.77	HOUR	3.80	2.93	________
OTHER	7.00	HOUR	3.80	26.60	________
OPERATING CAPITAL	79.82	DOL.	0.135	10.78	________
SUBTOTAL, PREHARVEST		ACRE		$ 371.64	$________
HARVEST COSTS					
HARV,PKG,MKT	400.00	BU.	4.50	1800.00	________
SUBTOTAL, HARVEST		ACRE		$ 1800.00	$________
TOTAL VARIABLE COSTS		ACRE		$ 2171.64	$________
BREAK-EVEN PRICE, VARIABLE COSTS	$ 5.43/BU.	SPINACH, FRESH			
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 128.36	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		34.77	________
EQUIPMENT		ACRE		26.69	________
IRRIGATION		ACRE		32.64	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	________
TOTAL FIXED COSTS		ACRE		$ 141.60	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 2313.24	$________
BREAK-EVEN PRICE, TOTAL COSTS	$ 5.78/BU.	SPINACH, FRESH			
6. NET PROJECTED RETURNS		ACRE		$ -13.24	$________

SPINACH IS PACKED AND MARKETED 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 WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	3,30	AUG	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.44	2.51	0.0	10.45	17.40
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	20.00	2.13	22.21
DRY FERT SPRDER	3,60	AUG	1.00	0.203	0.154	1.46	1.02	43.50	3.82	49.79
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
PLANTER 4R	3,41	SEPT	1.00	0.303	0.230	2.43	1.52	17.60	6.45	28.00
BED SHAPER 6R	3,48	SEPT	1.00	0.252	0.191	1.73	1.26	0.0	3.27	6.26
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
TOTALS				2.975	2.519	27.29	14.88	81.10	59.25	182.52

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	SEPT	4.00	0.400	0.0	15.68	1.52	15.00	8.16	40.36
WATER APPLICATION	NOV	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	JAN	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
TOTALS		16.00	1.600	0.0	62.72	6.08	15.00	32.64	116.44

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)

QUANTITY OF SPINACH, FRESH (BU.)	4.60	5.18	5.75	6.32	6.90
320.00	-339.64	-155.64	28.36	212.36	396.36
360.00	-335.64	-128.64	78.36	285.36	492.36
400.00	-331.64	-101.64	128.36	358.36	588.36
440.00	-327.64	-74.64	178.36	431.36	684.36
480.00	-323.64	-47.64	228.36	504.36	780.36

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SPINACH, PROCESS	7.50	TON	84.50	633.75	________
SPINACH SECONDS	0.80	TON	1.50	1.20	________
TOTAL PROJECTED RETURNS				$ 634.95	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SPINACH-PROC. SD	16.00	LB.	1.75	28.00	________
*NITROGEN (LIQ)	60.00	LB.	0.25	15.00	________
*PHOSPHATE	150.00	LB.	0.30	45.00	________
*HERBICIDE	1.00	ACRE	20.00	20.00	________
*INSECTICIDE	8.00	APPL	10.00	80.00	________
*FUNGICIDE	3.00	APPL	5.40	16.20	________
PESTICIDE APPLI.	8.00	ACRE	3.50	28.00	________
*NITROGEN (DRY)	60.00	LB.	0.25	15.00	________
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		21.91	________
EQUIPMENT		ACRE		0.93	________
IRRIGATION		ACRE		63.20	________
REPAIRS------TRACTOR		ACRE		5.24	________
EQUIPMENT		ACRE		3.04	________
IRRIGATION		ACRE		15.20	________
LABOR--------MACHINERY	2.98	HOUR	5.00	14.88	________
IRRIGATION	2.00	HOUR	3.80	7.60	________
EQUIPMENT	0.42	HOUR	3.80	1.60	________
OTHER	6.00	HOUR	3.80	22.80	________
OPERATING CAPITAL	105.29	DOL.	0.135	14.21	________
SUBTOTAL, PREHARVEST		ACRE		$ 417.81	$________
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	4.85	43.65	________
SUBTOTAL, HARVEST		ACRE		$ 43.65	$________
TOTAL VARIABLE COSTS		ACRE		$ 461.46	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 61.37/TON	SPINACH, PROCESS		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 173.49	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		37.56	________
EQUIPMENT		ACRE		25.68	________
IRRIGATION		ACRE		40.80	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	________
TOTAL FIXED COSTS		ACRE		$ 151.55	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 613.00	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 81.57/TON	SPINACH, PROCESS		
6. NET PROJECTED RETURNS		ACRE		$ 21.95	$________

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PROCESSED SPINACH, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	2,30	AUG	1.00	0.263	0.199	2.38	1.31	0.0	3.65	7.34
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.44	2.51	0.0	10.45	17.40
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.97
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.52	0.76	0.0	2.43	4.71
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	20.00	2.13	22.21
DRY FERT SPRDER	1,60	AUG	1.00	0.203	0.154	2.08	1.02	60.00	4.56	67.65
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
PLANTER 4R	1,41	SEPT	1.00	0.303	0.230	3.35	1.52	28.00	7.55	40.42
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.50	1.26	0.0	4.19	7.94
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.26	1.13	0.0	4.02	7.41
TOTALS				2.975	2.519	30.04	14.88	108.00	62.04	214.96

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	SEPT	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	OCT	4.00	0.400	0.0	15.68	1.52	15.00	8.16	40.36
WATER APPLICATION	NOV	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	DEC	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	JAN	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	FEB	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		20.00	2.000	0.0	78.40	7.60	15.00	40.80	141.80

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)

QUANTITY OF SPINACH, PROCESS	TON	67.60	76.05	84.50	92.95	101.40
	6.00	-46.17	4.53	55.23	105.93	156.63
	6.75	0.29	57.33	114.36	171.40	228.44
	7.50	46.74	110.12	173.49	236.87	300.24
	8.25	93.20	162.91	232.62	302.34	372.05
	9.00	139.65	215.70	291.75	367.80	443.85

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

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SPINACH, PROCESS	7.50	TON	84.50	633.75	________
SPINACH SECONDS	0.80	TON	1.50	1.20	________
TOTAL PROJECTED RETURNS			$	634.95	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SPINACH-PROC. SD	21.00	LB.	1.75	36.75	________
*NITROGEN (LIQ)	100.00	LB.	0.25	25.00	________
*PHOSPHATE	160.00	LB.	0.30	48.00	________
CUSTOM FERTILIZE	1.00	ACRE	1.80	1.80	________
*INSECTICIDE	6.00	APPL	10.00	60.00	________
*FUNGICIDE	3.00	APPL	5.40	16.20	________
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	________
*NITROGEN (DRY)	50.00	LB.	0.25	12.50	________
*HERBICIDE	1.00	ACRE	20.00	20.00	________
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	________
IRRIGATION WATER	21.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		10.85	________
EQUIPMENT		ACRE		0.93	________
IRRIGATION		ACRE		66.36	________
REPAIRS------TRACTOR		ACRE		2.68	________
EQUIPMENT		ACRE		1.91	________
IRRIGATION		ACRE		15.96	________
LABOR--------MACHINERY	1.52	HOUR	5.00	7.62	________
IRRIGATION	2.10	HOUR	3.80	7.98	________
EQUIPMENT	0.42	HOUR	3.80	1.60	________
OTHER	6.00	HOUR	3.80	22.80	________
OPERATING CAPITAL	19.28	DOL.	0.135	2.60	________
SUBTOTAL, PREHARVEST		ACRE	$	385.54	$________
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	4.85	43.65	________
SUBTOTAL, HARVEST		ACRE	$	43.65	$________
TOTAL VARIABLE COSTS		ACRE	$	429.19	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 57.07/TON	SPINACH, PROCESS		
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	205.76	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		18.21	________
EQUIPMENT		ACRE		18.17	________
IRRIGATION		ACRE		42.84	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	________
TOTAL FIXED COSTS		ACRE	$	126.72	$________
5. TOTAL PROJECTED COSTS		ACRE	$	555.90	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 73.96/TON	SPINACH, PROCESS		
6. NET PROJECTED RETURNS		ACRE	$	79.04	$________

BUDGET BASED ON GRAIN DRILL METHOD OF PLANTING.

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

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
OFFSET DISC	2,34	AUG	1.00	0.228	0.173	2.02	1.14	0.0	4.75	7.91
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
OFFSET DISC	2,34	SEPT	2.00	0.456	0.345	4.04	2.28	0.0	9.50	15.82
GRAIN DRILL	1,46	OCT	1.00	0.270	0.205	2.81	1.35	36.75	7.11	48.03
TOTALS				1.524	1.155	15.29	7.62	36.75	35.17	94.84

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	SEPT	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	OCT	4.00	0.400	0.0	15.68	1.52	12.50	8.16	37.86
WATER APPLICATION	NOV	4.00	0.400	0.0	15.68	1.52	0.0	8.16	25.36
WATER APPLICATION	DEC	3.00	0.300	0.0	11.76	1.14	12.50	6.12	31.52
WATER APPLICATION	JAN	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
WATER APPLICATION	FEB	3.00	0.300	0.0	11.76	1.14	0.0	6.12	19.02
TOTALS		21.00	2.100	0.0	82.32	7.98	25.00	42.84	158.14

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)

QUANTITY OF SPINACH, PROCESS	TON	67.60	76.05	84.50	92.95	101.40
	6.00	-13.90	36.80	87.50	138.20	188.90
	6.75	32.56	89.59	146.63	203.67	260.71
	7.50	79.01	142.39	205.76	269.14	332.51
	8.25	125.47	195.18	264.89	334.60	404.32
	9.00	171.92	247.97	324.02	400.07	476.12

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

LISTING OF THE NAME SET AND PRICE VECTOR REGION NUMBER: 12 DATE: 030883

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
13	STEER CALVES	LIVE	CWT.	67.50	248	CUST. PCNB FUNG.	PEAN	LB.	0.45
14	HEIFER CALVES		CWT.	60.75	256	DEFOLIANT		ACRE	12.50
17	CULL COWS		CWT.	36.50	260	GROWTH RETARDANT	COTT	APPL	12.00
28	DEER LEASE		ACRE	2.50	268	CUSTOM HARVEST	WHTI	BU.	0.20
70	DEFICIENCY PMT.	WHET	BU.	0.65	269	CUSTOM HARVEST	WHET	ACRE	15.00
71	DEFICIENCY PMT.	SORG	CWT.	0.36	270	CUSTOM HARVEST D	SORG	ACRE	18.00
73	GRAIN SORGHUM		CWT.	4.32	271	CUSTOM HARVEST I	SORG	CWT.	0.45
77	CORN	FOOD	BU.	3.50	272	CUSTOM HARVEST	CORN	ACRE	25.00
79	WINTER WHEAT		BU.	3.36	275	CUSTOM HARV&HAUL	BEET	TON	8.80
80	SPRING WHEAT		BU.	3.36	282	GIN, BAG, TIES		BALE	49.00
82	PROC. BEETS #1	FOOD	TON	52.00	283	HAUL GRAIN SORG		CWT.	0.30
83	PROC. BEETS #2	FOOD	TON	65.00	284	HAUL WHEAT		BU.	0.13
84	PROC. BEETS #3	FOOD	TON	16.50	285	HAUL CORN		BU.	0.17
85	USABLE CULLS	BEET	TON	1.00	288	HAUL GUAR		CWT.	0.25
86	PROC. CARROTS #2		TON	64.00	289	CUS HARV GUAR		ACRE	25.00
87	PROC. CARROTS #3		TON	36.00	291	SD COTTON-UPLAND		LB.	0.50
88	PROC. CARROTS #1		TON	15.00	296	HARVEST AND HAUL	CARR	TON	9.00
89	CARROT CULLS		TON	1.00	297	CUSTOM COMBINE	PEAN	CWT.	1.50
90	DEFICIENCY PMT.	COTT	LB.	0.21	320	CUST RETARD APPL	COTT	APPL	3.50
91	DEFICIENCY PMT.	CORN	BU.	0.21	322	CUSTOM HAULING		HEAD	0.50
92	GUAR		CWT.	20.00	328	CUST COTTON PICK		LB.	0.11
93	COTTON LINT		LB.	0.50	329	FUNGICIDE APPLI.		ACRE	2.75
94	COTTONSEED		TON	90.00	330	FERTILIZER APPLI		ACRE	2.50
95	SPANISH PEANUTS		CWT.	28.00	331	PESTICIDE APPLI.	CSTM	ACRE	3.50
96	PECANS	NATV	LB.	1.00	332	HERBICIDE APPLI.	CSTM	ACRE	4.00
98	SOYBEANS		BU.	6.25	333	INSECT. APPLI.		APPL	2.75
103	SALT & MIN.		LB.	0.23	335	DEFOLIANT APPLI.		ACRE	2.75
107	COTTONSEED CAKE		LB.	0.13	339	MOW,RAKE,BALE		BALE	0.70
151	PASTURE MAINT.		ACRE	2.00	393	MISC EXPENSE	LIVE	DOL.	1.00
153	PASTURE RENT	UNIM	ACRE	3.50	396	WATER FACIL REPR		HEAD	2.00
154	PASTURE RENT	PAIM	ACRE	4.50	410	VET MEDICINE		DOL.	5.00
155	SORGHUM PASTURE		DAYS	0.50	451	GEN. & HAIL INS.		ACRE	13.00
156	PASTURE RENT	IMPR	ACRE	7.50	452	RISK INSURANCE	PEAN	ACRE	15.00
161	CORN SILAGE		TON	23.00	479	GRAZING LEASES		ACRE	3.50
175	SORGHUM HAY		TON	60.00	486	SALES COMM		DOL.	1.00
180	PASTURE MAINT.	IMPR	ACRE	3.00	490	ZINC SULPHATE	PECN	LB.	0.32
184	SEED CORN/GRAIN		LB.	1.40	491	SURFACTANT	SOAP	LB.	0.60
185	SEED CORN/SILAGE		LB.	1.00	492	CHAIN SAW	PECN	HOUR	1.50
186	GRAIN SORG. SEED		LB.	0.76	493	LOG SPLITTER	PECN	HOUR	3.00
187	FORAGE SORG SEED		LB.	0.32	494	SAW LOGS	PECN	MCF	0.15
189	SOYBEAN SEED		LB.	0.32	495	VENEER LOGS	PECN	MCF	0.40
195	GUAR SEED		LB.	0.65	499	BORON APPLICAT.	BEET	ACRE	3.00
212	NITROGEN (DRY)		LB.	0.25	500	BORON	BEET	ACRE	2.75
213	NITROGEN (ANHY)		LB.	0.14	501	CABBAGE		BAG	3.50
214	NITROGEN (LIQ)		LB.	0.25	502	CANTALOUPS		CRTN	5.50
215	PHOSPHATE		LB.	0.30	503	CARROTS		BAG	6.50
239	FUNGICIDE	DTRT	LB.	9.30	504	CUCUMBERS		CRTN	6.50
240	INSECTICIDE	ZOLO	GAL.	2.70	505	CUCUMB. PICKLES		CWT.	7.50
241	CUST INSECT.	PEAN	APPL	16.50	506	BUFFLE GR. PAST		DAYS	0.50
247	CUST. PCNB FUNG.	PEAN	APPL	43.00	507	ONIONS		BAG	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: 12   DATE: 030883

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
508	SPINACH, FRESH		BU.	5.75	558	INSECTICIDE	CARR	APPL	6.00
509	SPINACH, PROCESS		TON	84.50	559	INSECTICIDE	CORN	APPL	16.00
510	LETTUCE		CRTN	5.50	560	INSECTICIDE	COTT	APPL	7.50
511	OATS GRAZING AUD		DAYS	0.50	561	INSECTICIDE	CUC.	APPL	10.00
512	WHEAT SD TREATED		LB.	0.20	562	INSECTICIDE	LETT	APPL	8.00
513	BUFFLE GRASS SD		LB.	3.40	563	INSECTICIDE	SORG	APPL	8.00
514	CABBAGE SEED		LB.	48.00	564	INSECTICIDE	ONIO	APPL	6.00
515	CANTALOUP SEED		LB.	6.00	565	INSECTICIDE	PEAN	APPL	4.10
516	CARROT SEED		LB.	6.00	566	INSECTICIDE	SPIN	APPL	10.00
517	CUCUMBER SEED		LB.	5.30	567	INSECTICIDE	SUNF	APPL	6.00
518	CUCUMBER-PCKL SD		LB.	5.30	568	INSECTICIDE	SOYB	APPL	7.00
519	ONION SEED		LB.	20.00	570	FUNGICIDE	CABB	APPL	7.00
520	OATS SEED		LB.	0.15	571	FUNGICIDE	CANT	APPL	4.00
521	SPINACH-FRESH SD		LB.	2.20	572	FUNGICIDE	CARR	APPL	4.50
522	SPINACH-PROC. SD		LB.	1.75	573	FUNGICIDE	CUC.	APPL	7.00
523	LETTUCE SEED		LB.	28.00	574	FUNGICIDE	LETT	APPL	5.40
524	PEANUT SEED		LB.	0.58	575	FUNGICIDE	ONIO	APPL	6.00
525	SUNFLOWER SEED		LB.	0.50	576	FUNGICIDE	PEAN	APPL	7.00
526	SPRIG & SPRIGGNG		ACRE	40.00	577	FUNGICIDE	SPIN	APPL	5.40
527	HARV, PACK & MKT	CABB	BAG	2.00	578	CSTL PAST GRAZNG		DAYS	0.50
528	HARV, PACK & MKT	CANT	CRTN	4.00	579	CUSTOM ROOT PLOW		ACRE	45.00
529	HARV, PACK & MKT	CARR	BAG	4.25	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	SPPR	TON	4.85	585	BEET SEED		LB.	2.40
535	HARV,PKG,HAUL	LETT	CRTN	4.25	586	NEMATICIDE		ACRE	8.60
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.	2.65
539	CUSTOM HARVEST	SOYB	BU.	0.75	590	SPINACH SECONDS		TON	1.50
540	CUSTOM HAUL	SOYB	BU.	0.15	591	GRAZING		DAYS	0.50
541	CUSTOM HAUL	HAY	BALE	0.35	592	CUSTOM FERTILIZE		ACRE	1.80
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	7.00	598	MISC ADMIN O/H		ACRE	15.00
546	HERBICIDE	CORN	ACRE	10.00	599	HERBICIDE	GUAR	ACRE	4.00
547	HERBICIDE	COTT	ACRE	4.00	600	CORD WOOD	PECN	KWH	45.00
548	HERBICIDE	CUCU	ACRE	6.00					.
549	HERBICIDE	LETT	ACRE	9.00					.
550	HERBICIDE	SORG	ACRE	8.00					.
551	HERBICIDE	ONIO	ACRE	4.00					.
552	HERBICIDE	SP,B	ACRE	20.00					.
553	HERBICIDE	PEAN	ACRE	4.10					.
554	HERBICIDE	SUNF	ACRE	4.00					.
555	HERBICIDE	SOYB	ACRE	4.00					.
556	INSECTICIDE	CABB	APPL	8.00					.
557	INSECTICIDE	CANT	APPL	5.00					.

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TABLE . DEFAULT PARAMETER VALUES AND DEFINITIONS
REGION: 12 DATE: 032383

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

LISTING OF ECONOMIC AND ENGINEERING DATA FOR MACHINERY IN REGION 12 DATE:032383

MACHINE	1 CODE NO.	2 WIDTH (FT)	3 LIST PRICE	4 SPEED (MPH)	5 FIELD EFF.	6 RC1	7 AGE (HRS)	8 RC3	9 ANNUAL HRS	10 YEARS OWNED	11 RFV1	12 RFV2	13 PURCH PRICE	14 FUEL TYPE	15 LIFE (HRS)	16 HP
TRACTOR	1.	150.0	44350.	4.5	0.88	1.20	0.	1.60	500.	7.	0.68	0.92	40100.	3.	12000.	150.
TRACTOR	2.	125.0	39550.	4.5	0.88	1.20	0.	1.60	600.	7.	0.68	0.92	35600.	3.	12000.	125.
TRACTOR	3.	100.0	32600.	4.5	0.88	1.20	0.	1.60	500.	7.	0.68	0.92	29340.	3.	12000.	100.
TRACTOR	4.	75.0	21100.	4.5	0.88	1.20	0.	1.60	300.	7.	0.68	0.92	18990.	3.	12000.	75.
TRACTOR	5.	40.0	12100.	4.5	0.88	1.20	0.	1.60	300.	7.	0.68	0.92	10890.	3.	12000.	40.
TRACTOR 4 WH DR	6.	225.0	66000.	4.5	0.88	1.20	0.	1.60	600.	7.	0.68	0.92	59400.	3.	12000.	225.
PICKUP TRUCK	10.	0.5	8500.	30.0	0.88	0.80	0.	1.60	700.	3.	0.60	0.88	7650.	1.	2800.	30.
PECAN PICKER	19.	6.0	13000.	4.0	0.70	0.33	0.	1.60	100.	10.	0.60	0.88	12000.	1.	2000.	25.
SHREDDER	30.	14.0	5180.	3.7	0.80	0.60	0.	1.80	200.	7.	0.60	0.88	4750.	0.	2000.	0.
MOLDBOARD PLOW	32.	5.3	6480.	4.5	0.80	1.00	0.	1.30	100.	7.	0.60	0.88	6480.	0.	2000.	0.
CHISEL PLOW	33.	15.0	3780.	4.5	0.80	1.00	0.	1.80	200.	7.	0.60	0.88	3780.	0.	2000.	0.
OFFSET DISC	34.	12.0	6590.	4.8	0.83	0.65	0.	1.80	100.	7.	0.60	0.88	6590.	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	0.60	0.80	0.	1.60	75.	7.	0.60	0.88	5180.	0.	1200.	0.
PLANTER 6R	42.	18.0	6480.	4.5	0.60	0.80	0.	1.60	75.	7.	0.60	0.88	6480.	0.	1200.	0.
STANHAY 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	0.60	0.	1.80	100.	7.	0.60	0.88	6480.	0.	2500.	0.
TANDEM DISC	58.	14.0	4320.	4.5	0.83	0.65	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 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	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.	16.0	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	0.80	1.00	0.	1.30	250.	12.	0.60	0.88	1300.	0.	3000.	0.
PEANUT COMB. 4R	67.	13.3	16200.	2.5	0.60	0.50	0.	1.80	250.	12.	0.60	0.88	16200.	0.	3000.	0.
PEANUT PLANTER	68.	12.7	5400.	4.5	0.60	0.80	0.	1.60	75.	10.	0.60	0.88	5400.	0.	1200.	0.
HARROW SPIKE	73.	24.0	1620.	4.5	0.80	0.65	0.	1.80	35.	10.	0.60	0.88	1620.	0.	2000.	0.
SPRAYER H. SPEED	83.	180.0	3240.	0.3	0.70	0.80	0.	1.80	200.	7.	0.60	0.88	2700.	0.	2000.	0.
PECAN SHAKER HYD	87.	17.5	4200.	0.6	0.60	0.33	0.	1.80	250.	12.	0.60	0.88	3800.	0.	3000.	0.

B-1241(L12)
TEXAS AGRICULTURAL EXTENSION SERVICE . THE TEXAS A&M UNIVERSITY SYSTEM
Zerle L. Carpenter, Director . College Station, Texas

TEXAS ENTERPRISE BUDGETS

TEXAS WINTER GARDEN REGION

Projected for 1983

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 - 3-83, New
ECO 7-2-

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 10/18/82.

COW-CALF PRODUCTION TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER COW
UNIMPROVED BRUSH COUNTRY

INVESTMENT REQUIREMENTS	NUMBER	UNIT	SIZE	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
COW RAISED	1.00	HEAD	1.00	684.37	684.37	
BULL PURCHASED	0.05	HEAD	1.00	1250.00	62.50	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					$ 809.41	$

PRODUCTION	NUMBER	WGT. EACH	TOTAL UNITS	UNIT	PROJECTED $/UNIT	PROJECTED RETURN	
STEER CALVES	0.38	4.50	1.7	CWT.	67.50	115.42	
HEIFER CALVES	0.25	4.10	1.0	CWT.	60.75	62.27	
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						$ 267.37	$

OPERATING INPUTS	INPUT USE	UNIT	PROJECTED $/UNIT	PROJECTED COST	
SALT & MIN.	50.00	LB.	0.23	11.50	
VET MEDICINE	2.00	DOL.	5.00	10.00	
COTTONSEED CAKE	180.00	LB.	0.13	23.40	
SALES COMM	9.00	DOL.	1.00	9.00	
CUSTOM HAULING	1.00	HEAD	0.50	0.50	
WATER FACIL REPR	1.00	HEAD	2.00	2.00	
MISC EXPENSE	10.00	DOL.	1.00	10.00	
EQUIPMENT FUEL AND LUBE				4.34	
EQUIPMENT REPAIR				1.02	
TOTAL OPERATING COST				$ 71.76	$

RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT $ 195.61 $

CAPITAL INVESTMENT	QUANTITY INVESTED	UNIT	RATE OF RETURN	PROJECTED COST	
ANNUAL OPERATING CAPITAL	-8.40	DOL.	0.140	-1.18	
EQUIPMENT INVESTMENT	54.15	DOL.	0.140	7.58	
LIVESTOCK INVESTMENT	809.41	DOL.	0.140	113.32	
TOTAL CAPITAL COST				$ 119.72	$

RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT $ 75.89 $

OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)	PROJECTED COST	
EQUIPMENT	9.33	
LIVESTOCK	36.45	
TOTAL OWNERSHIP COST	$ 45.78	$

RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT $ 30.11 $

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 $ -5.04 $

LAND COSTS	INPUT USE	UNIT	RATE OF RETURN	PROJECTED COST	
PASTURE RENT	22.00	ACRE	3.50	77.00	
TOTAL LAND COST				$ 77.00	$

RESIDUAL RETURNS TO MANAGEMENT AND PROFIT $ -82.04 $

TOTAL PROJECTED COST OF PRODUCTION $ 349.41 $

SPRING CALVING, 76% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 10,000 ACRE RANCH, 450 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
1983 PROJECTED COSTS AND RETURNS PER COW
UNIMPROVED BRUSH COUNTRY

	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	TOTAL
							(DOLLARS)						
AVER. ANNUAL CAPITAL	-1.35	-0.44	-0.17	1.50	-0.32	0.67	1.95	3.25	-9.88	1.06	-2.66	-2.00	-6.40
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	201.18	14.37	7.18	13.00	0.0	0.0	436.73	13.00	0.0	0.002
STOCK SPRAYER	2	90.00	83.30	5.95	2.97	10.00	0.0	0.0	182.22	10.00	0.0	0.002
TACK	3	45.00	41.65	2.98	1.49	5.00	0.0	0.0	91.11	5.00	0.0	0.002
FENCE	4	83.33	75.83	5.42	2.71	4.17	0.0	0.0	167.29	4.17	0.0	0.002
PICKUP TRUCK	10	1057.14	886.00	63.29	31.64	252.00	1652.00	82.60	2038.07	1986.60	700.00	0.002
COW RAISED	51	18.75	95.81	6.84	3.42	0.0	0.0	0.0	124.83	0.0	0.0	1.000
BULL PURCHASED	54	100.00	175.00	12.50	6.25	0.0	0.0	0.0	293.75	0.0	0.0	0.050
HEIFER RAISED	55	0.0	63.00	4.50	2.25	0.0	0.0	0.0	69.75	0.0	0.0	0.130
HORSE	95	70.31	70.55	5.04	2.52	9.38	0.0	0.0	148.42	9.38	0.0	0.008

SELECTED EQUIPMENT COMPLEMENT INFORMATION

EQUIPMENT	1 CODE NO.	2 SIZE	3 UNIT	4 TYPE	5 LIST PRICE	6 PURCH PRICE	7 LIFE (YRS)	8 SALV. (%LP)	9 REPAIR (%LP)	10 FUEL USE	11 ANNUAL LABOR	12 ANNUAL USE	13 XXXXXX	14 XXXXXX	15 EFF.
STOCK TRAILER	1.	16.	CWT.	2.	2600.	2400.	10.	0.10	0.05	0.0	0.0	0.0	0.0	0.0	0.0
STOCK SPRAYER	2.	150.	GAL.	2.	1000.	1000.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
TACK	3.	1.	DOL.	2.	500.	500.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
FENCE	4.	1.	MILE	2.	1000.	1000.	12.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
PICKUP TRUCK	10.	1.	TON	2.	10500.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
COW RAISED	51.	1.	HEAD	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BULL PURCHASED	54.	1.	HEAD	1.	1500.	1500.	6.	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

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 10/18/82.

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

INVESTMENT REQUIREMENTS	NUMBER	UNIT	SIZE	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
COW RAISED	1.00	HEAD	1.00	684.37	684.37	
BULL PURCHASED	0.04	HEAD	1.00	1250.00	50.00	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					$ 796.91	$

PRODUCTION	NUMBER	WGT. EACH	TOTAL UNITS	UNIT	PROJECTED $/UNIT	PROJECTED RETURN	
STEER CALVES	0.40	4.80	1.9	CWT.	67.50	129.60	
HEIFER CALVES	0.27	4.30	1.2	CWT.	60.75	70.53	
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						$ 280.72	$

OPERATING INPUTS	INPUT USE	UNIT	PROJECTED $/UNIT	PROJECTED COST	
SALT & MIN.	50.00	LB.	0.23	11.50	
VET MEDICINE	2.00	DOL.	5.00	10.00	
COTTONSEED CAKE	180.00	LB.	0.13	23.40	
SALES COMM	10.00	DOL.	1.00	10.00	
CUSTOM HAULING	1.00	HEAD	0.50	0.50	
WATER FACIL REPR	1.00	HEAD	2.00	2.00	
PASTURE MAINT.	4.29	ACRE	2.00	8.58	
MISC EXPENSE	10.00	DOL.	1.00	10.00	
EQUIPMENT FUEL AND LUBE				6.94	
EQUIPMENT REPAIR				1.17	
TOTAL OPERATING COST				$ 84.09	$

RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT $ 196.63 $

CAPITAL INVESTMENT	QUANTITY INVESTED	UNIT	RATE OF RETURN	PROJECTED COST	
ANNUAL OPERATING CAPITAL	3.77	DOL.	0.140	0.53	
EQUIPMENT INVESTMENT	32.30	DOL.	0.140	4.52	
LIVESTOCK INVESTMENT	796.91	DOL.	0.140	111.57	
TOTAL CAPITAL COST				$ 116.62	$

RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT $ 80.02 $

OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)	PROJECTED COST	
EQUIPMENT	5.76	
LIVESTOCK	35.27	
TOTAL OWNERSHIP COST	$ 41.03	$

RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT $ 38.99 $

OPERATOR LABOR COSTS	LABOR USE	UNIT	RATE OF RETURN	PROJECTED 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 $ 3.65 $

LAND COSTS	INPUT USE	UNIT	RATE OF RETURN	PROJECTED COST	
PASTURE RENT	18.00	ACRE	4.50	81.00	
TOTAL LAND COST				$ 81.00	$

RESIDUAL RETURNS TO MANAGEMENT AND PROFIT $ -77.35 $

TOTAL PROJECTED COST OF PRODUCTION $ 358.06 $

SPRING CALVING, 80% 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
1983 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	
							(DOLLARS)						TOTAL
AVER. ANNUAL CAPITAL	-0.27	1.13	1.48	2.51	0.48	1.61	3.62	4.95	-9.64	0.65	-1.74	-1.01	3.77
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	9.30

EQUIPMENT FIXED AND VARIABLE COSTS PER YEAR

EQUIPMENT	CODE	DEPR	INT.	INS.	TAX	REPAIR	FUEL	LUB.	TOTAL OWN.	TOTAL OPER.	HOURS LABOR	ALLOC (.%)
STOCK TRAILER	1	214.00	201.18	14.37	7.18	13.00	0.0	0.0	436.73	13.00	0.0	0.003
STOCK SPRAYER	2	90.00	83.30	5.95	2.97	10.00	0.0	0.0	182.22	10.00	0.0	0.003
TACK	3	45.00	41.85	2.98	1.49	5.00	0.0	0.0	91.11	5.00	0.0	0.003
PICKUP TRUCK	10	1057.14	886.00	63.29	31.64	252.00	1652.00	82.60	2038.07	1986.60	700.00	0.004
COW RAISED	51	18.75	95.81	6.84	3.42	0.0	0.0	0.0	124.83	0.0	0.0	1.000
BULL PURCHASED	54	100.00	175.00	12.50	6.25	0.0	0.0	0.0	293.75	0.0	0.0	0.040
HEIFER RAISED	55	0.0	63.00	4.50	2.25	0.0	0.0	0.0	69.75	0.0	0.0	0.130
HORSE	95	70.31	70.55	5.04	2.52	9.38	0.0	0.0	148.42	9.38	0.0	0.008

SELECTED EQUIPMENT COMPLEMENT INFORMATION

EQUIPMENT	1 CODE NO.	2 SIZE	3 UNIT	4 TYPE	5 LIST PRICE	6 PURCH PRICE	7 LIFE (YRS)	8 SALV. (%LP)	9 REPAIR (%LP)	10 FUEL USE	11 ANNUAL LABOR	12 ANNUAL USE	13 XXXXXX	14 XXXXXX	15 EFF.
STOCK TRAILER	1.	16.	CWT.	2.	2600.	2400.	10.	0.10	0.05	0.0	0.0	0.0	0.0	0.0	0.0
STOCK SPRAYER	2.	150.	GAL.	2.	1000.	1000.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
TACK	3.	1.	DOL.	2.	500.	500.	10.	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
PICKUP TRUCK	10.	1.	TON	2.	10500.	9500.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
COW RAISED	51.	1.	HEAD	1.	750.	750.	8.	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BULL PURCHASED	54.	1.	HEAD	1.	1500.	1500.	6.	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

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 10/18/82. B-1241(L12)

COW-CALF PRODUCTION TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER COW
IMPROVED PASTURE (BUFFEL GRASS)

INVESTMENT REQUIREMENTS	NUMBER	UNIT	SIZE	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
COW RAISED	1.00	HEAD	1.00	684.37	684.37	
BULL PURCHASED	0.03	HEAD	1.00	1250.00	41.66	
HEIFER RAISED	0.13	HEAD	1.00	450.00	58.50	
HORSE	0.01	HEAD	1.00	503.91	4.03	
TOTAL LIVESTOCK INVESTMENT					$ 788.57	$

PRODUCTION	NUMBER	WGT. EACH	TOTAL UNITS	UNIT	PROJECTED $/UNIT	PROJECTED RETURN	
STEER CALVES	0.43	5.00	2.1	CWT.	67.50	145.12	
HEIFER CALVES	0.30	4.60	1.4	CWT.	60.75	83.83	
CULL COWS	0.10	10.00	1.0	CWT.	36.50	36.50	
TOTAL PROJECTED RETURNS						$ 265.46	$

OPERATING INPUTS	INPUT USE	UNIT	PROJECTED $/UNIT	PROJECTED COST	
SALT & MIN.	50.00	LB.	0.23	11.50	
VET MEDICINE	2.00	DOL.	5.00	10.00	
COTTONSEED CAKE	160.00	LB.	0.13	20.80	
SALES COMM	10.00	DOL.	1.00	10.00	
CUSTOM HAULING	1.00	HEAD	0.50	0.50	
WATER FACIL REPR	1.00	HEAD	2.00	2.00	
PASTURE MAINT.	6.67	ACRE	3.00	20.01	
MISC EXPENSE	10.00	DOL.	1.00	10.00	
EQUIPMENT FUEL AND LUBE				8.67	
EQUIPMENT REPAIR				1.65	
TOTAL OPERATING COST				$ 95.13	$

RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT $ 170.33 $

CAPITAL INVESTMENT	QUANTITY INVESTED	UNIT	RATE OF RETURN	PROJECTED COST	
ANNUAL OPERATING CAPITAL	51.91	DOL.	0.140	7.27	
EQUIPMENT INVESTMENT	68.42	DOL.	0.140	9.58	
LIVESTOCK INVESTMENT	788.57	DOL.	0.140	110.40	
TOTAL CAPITAL COST				$ 127.25	$

RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT $ 43.08 $

OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)	PROJECTED COST	
EQUIPMENT	11.94	
LIVESTOCK	34.47	
TOTAL OWNERSHIP COST	$ 46.42	$

RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT $ -3.33 $

OPERATOR LABOR COSTS	LABOR USE	UNIT	RATE OF RETURN	PROJECTED 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 $ -39.43 $

LAND COSTS	INPUT USE	UNIT	RATE OF RETURN	PROJECTED COST	
PASTURE RENT	10.00	ACRE	7.50	75.00	
TOTAL LAND COST				$ 75.00	$

RESIDUAL RETURNS TO MANAGEMENT AND PROFIT $ -114.43 $

TOTAL PROJECTED COST OF PRODUCTION $ 379.89 $

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