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

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER	2,30	AUG	1.00	0.263	0.199	2.48	1.31	0.0	3.42	7.21
OFFSET DISC	2,34	AUG	2.20	0.501	0.380	4.64	2.51	0.0	10.27	17.41
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.78	2.85	0.0	13.85	23.49
LAND PLANE	1,50	AUG	0.20	0.050	0.038	0.53	0.25	0.0	1.22	2.01
BEDDER 6R	1,36	AUG	1.00	0.151	0.115	1.62	0.76	0.0	2.36	4.74
HERBICIDE SPRAYR	63	AUG	1.00	0.0	0.264	0.08	0.0	20.00	2.29	22.37
DRY FERT SPRDER	1,60	AUG	1.00	0.203	0.154	2.21	1.02	63.60	4.54	71.36
CULTIVATOR 4R	1,39	SEPT	1.00	0.227	0.172	2.40	1.13	0.0	3.93	7.47
PLANTER 4R	1,41	SEPT	1.00	0.303	0.230	3.54	1.52	26.40	7.59	39.05
BED SHAPER 6R	1,48	SEPT	1.00	0.252	0.191	2.66	1.26	0.0	4.07	7.99
CULTIVATOR 4R	1,39	OCT	1.00	0.227	0.172	2.40	1.13	0.0	3.93	7.47
CULTIVATOR 4R	1,39	NOV	1.00	0.227	0.172	2.40	1.13	0.0	3.93	7.47
TOTALS				2.975	2.519	31.74	14.88	110.00	61.40	218.01

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	SEPT	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	OCT	4.00	0.400	0.0	13.16	1.52	13.80	6.62	35.10
WATER APPLICATION	NOV	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	DEC	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	JAN	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	FEB	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
TOTALS		20.00	2.000	0.0	65.80	7.60	13.80	33.08	120.28

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF SPINACH, PROCESS (DOLLARS)

	TON	67.60	76.05	84.50	92.95	101.40
QUANTITY OF SPINACH, PROCESS	6.00	-15.48	35.22	85.92	136.62	187.32
	6.75	30.98	88.01	145.05	202.09	259.13
	7.50	77.43	140.81	204.18	267.56	330.93
	8.25	123.89	193.60	263.31	333.02	402.74
	9.00	170.34	246.39	322.44	398.49	474.54

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 02/17/82.

SPINACH (PROCESSED), IRRIGATED, GRAIN DRILL PLANTING
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SPINACH, PROCESS	7.50	TON	84.50	633.75	________
SPINACH SECONDS	0.80	TON	1.50	1.20	________
TOTAL PROJECTED RETURNS				$ 634.95	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SPINACH-PROC. SD	21.00	LB.	1.65	34.65	________
*NITROGEN (LIQ)	100.00	LB.	0.23	23.00	________
*PHOSPHATE	160.00	LB.	0.32	51.20	________
CUSTOM FERTILIZE	1.00	ACRE	2.50	2.50	________
*INSECTICIDE	6.00	APPL	7.50	45.00	________
*FUNGICIDE	3.00	APPL	5.00	15.00	________
PESTICIDE APPLI.	6.00	ACRE	3.50	21.00	________
*NITROGEN (DRY)	50.00	LB.	0.26	13.00	________
*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		12.04	
EQUIPMENT		ACRE		1.04	________
IRRIGATION		ACRE		55.02	________
REPAIRS-------TRACTOR		ACRE		2.29	________
EQUIPMENT		ACRE		1.88	________
IRRIGATION		ACRE		14.07	________
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	11.87	DOL.	0.155	1.84	________
SUBTOTAL, PREHARVEST		ACRE		$ 356.53	$________
HARVEST COSTS					
HARV,PKG,HAUL	9.00	TON	4.85	43.65	
SUBTOTAL, HARVEST		ACRE		$ 43.65	$________
TOTAL VARIABLE COSTS		ACRE		$ 400.18	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 53.20/TON		SPINACH, PROCESS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 234.77	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		16.83	________
EQUIPMENT		ACRE		19.22	________
IRRIGATION		ACRE		34.73	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	________
TOTAL FIXED COSTS		ACRE		$ 115.79	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 515.96	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 68.64/TON		SPINACH, PROCESS	
6. NET PROJECTED RETURNS		ACRE		$ 118.99	$________

BUDGET BASED ON GRAIN DRILL METHOD OF PLANTING.

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.

SPINACH (PROCESSED), IRRIGATED, GRAIN DRILL PLANTING
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
OFFSET DISC	2,34	AUG	1.00	0.228	0.173	2.11	1.14	0.0	4.67	7.91
MOLDBOARD PLOW	1,32	AUG	1.00	0.571	0.432	6.78	2.85	0.0	13.85	23.49
OFFSET DISC	2,34	SEPT	2.00	0.456	0.345	4.21	2.28	0.0	9.33	15.83
GRAIN DRILL	1,46	OCT	1.00	0.270	0.205	2.98	1.35	34.65	7.17	46.16
TOTALS				1.524	1.155	16.09	7.62	34.65	35.02	93.38

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	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	OCT	4.00	0.400	0.0	13.16	1.52	11.50	6.62	32.80
WATER APPLICATION	NOV	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	DEC	3.00	0.300	0.0	9.87	1.14	11.50	4.96	27.47
WATER APPLICATION	JAN	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
WATER APPLICATION	FEB	3.00	0.300	0.0	9.87	1.14	0.0	4.96	15.97
TOTALS		21.00	2.100	0.0	69.09	7.98	23.00	34.73	134.80

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	15.11	65.81	116.51	167.21	217.91
6.75	61.57	118.60	175.64	232.68	289.72
7.50	108.02	171.40	234.77	298.15	361.52
8.25	154.48	224.19	293.90	363.61	433.33
9.00	200.93	276.98	353.03	429.08	505.13

LISTING OF THE NAME SET AND PRICE VECTOR   REGION NUMBER: 16   DATE: 021782

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
[illegible]	STEER CALVES	LIVE	CWT.	65.00	271	CUSTOM HARVEST I	SORG	CWT.	0.45
14	HEIFER CALVES	____	CWT.	58.00	272	CUSTOM HARVEST	CORN	ACRE	25.00
17	CULL COWS	____	CWT.	40.00	275	CUSTOM HARV&HAUL	BEET	TON	8.80
28	DEER LEASE	____	ACRE	2.50	282	GIN, BAG, TIES	____	BALE	49.00
73	GRAIN SORGHUM	____	CWT.	4.60	283	HAUL GRAIN SORG	____	CWT.	0.30
77	CORN	FOOD	BU.	4.20	284	HAUL WHEAT	____	BU.	0.13
79	WINTER WHEAT	____	BU.	3.75	285	HAUL CORN	____	BU.	0.17
80	SPRING WHEAT	____	BU.	3.75	288	HAUL GUAR	____	CWT.	0.25
82	PROC. BEETS #1	FOOD	TON	52.00	289	CUS HARV GUAR	____	ACRE	25.00
83	PROC. BEETS #2	FOOD	TON	65.00	291	SD COTTON-UPLAND	____	LB.	0.60
84	PROC. BEETS #3	FOOD	TON	16.50	296	HARVEST AND HAUL	CARR	TON	9.00
85	USABLE CULLS	BEET	TON	1.00	311	HIRE PLANT EQUIP	PECN	HOUR	2.00
86	PROC. CARROTS #1	____	TON	64.00	315	CUSTOM CHSL PLOW	PECN	APPL	15.00
87	PROC. CARROTS #2	____	TON	36.00	322	CUSTOM HAULING	____	HEAD	0.50
88	PROC. CARROTS #3	____	TON	15.00	328	CUST COTTON PICK	____	LB.	0.11
89	CARROT CULLS	____	TON	1.00	329	FUNGICIDE APPLI.	____	ACRE	2.75
92	GUAR	____	CWT.	22.00	331	PESTICIDE APPLI.	____	ACRE	3.50
93	COTTON LINT	____	LB.	0.57	332	HERBICIDE APPLI.	CSTM	ACRE	4.00
94	COTTONSEED	____	LB.	90.00	333	INSECT. APPLI.	____	APPL	2.75
95	SPANISH PEANUTS	____	CWT.	29.00	335	DEFOLIANT APPLI.	____	ACRE	2.75
96	PECANS	____	LB.	1.00	339	MOW,RAKE,BALE	____	BALE	0.65
98	SOYBEANS	____	BU.	7.50	348	CUSTM DISC	PECN	APPL	8.00
103	SALT & MIN.	____	LB.	0.18	349	CUSTM LAND PLANE	PECN	APPL	8.00
110	COTTONSEED MEAL	____	LB.	0.12	350	HAULING&MKTG	____	HEAD	1.00
153	PASTURE RENT	UNIM	ACRE	3.50	368	TREES (5-6 FT)	PECN	TREE	8.00
15[illegible]	PASTURE RENT	PAIM	ACRE	4.50	373	MISC EXPENSE	PECN	ACRE	10.50
1[illegible]	SORGHUM PASTURE	____	DAYS	0.50	374	CUSTM PICKING	PECN	LB.	0.28
156	PASTURE RENT	IMPR	ACRE	7.50	393	MISC EXPENSE	LIVE	DOL.	1.00
161	CORN SILAGE	____	TON	23.00	396	WATER FACIL REPR	____	HEAD	2.00
170	HAY	____	BALE	2.00	400	MISC EXPENSE	____	DOL.	1.00
175	SORGHUM HAY	____	TON	70.00	410	VET MEDICINE	____	DOL.	4.00
180	PASTURE MAINT.	IMPR	ACRE	3.00	451	HAIL INSURANCE	____	ACRE	8.00
184	SEED CORN/GRAIN	____	LB.	1.40	486	SALES COMM	____	DOL.	1.00
185	SEED CORN/SILAGE	____	LB.	0.80	490	ZINC SULPHATE	PECN	LB.	0.32
186	GRAIN SORG. SEED	____	LB.	0.59	499	BORON APPLICAT.	BEET	ACRE	3.00
187	FORAGE SORG SEED	____	LB.	0.30	500	BORON	BEET	ACRE	2.75
189	SOYBEAN SEED	____	LB.	0.45	501	CABBAGE	____	BAGS	4.00
195	GUAR SEED	____	LB.	0.40	502	CANTALOUPS	____	CRTN	5.50
212	NITROGEN (DRY)	____	LB.	0.26	503	CARROTS	____	EACH	6.50
213	NITROGEN (ANHY)	____	LB.	0.14	504	CUCUMBERS	____	CRTN	6.50
214	NITROGEN (LIQ)	____	LB.	0.23	505	CUCUMB. PICKLES	____	CWT.	7.50
215	PHOSPHATE	____	LB.	0.32	506	BUFFLE GR. PAST	____	DAYS	0.50
220	POTASH	____	LB.	0.23	507	ONIONS	____	BAGS	5.50
239	FUNGICIDE	DTRT	LB.	9.30	508	SPINACH, FRESH	____	BU.	5.75
240	INSECTICIDE	ZOLC	GAL.	22.00	509	SPINACH, PROCESS	____	TON	84.50
250	HERBICIDE	RDUP	QT.	18.00	510	LETTUCE	____	CRTN	5.50
256	DEFOLIANT	____	ACRE	12.50	511	OATS GRAZING AUD	____	DAYS	0.50
268	CUSTOM HARVEST	WHTI	BU.	0.20	512	WHEAT SD TREATED	____	LB.	0.20
269	CUSTOM HARVEST	WHET	ACRE	15.00	513	BUFFLE GRASS SD	____	CRTN	5.00
270	CUSTOM HARVEST D	SORG	ACRE	18.00	514	CABBAGE SEED	____	LB.	42.00

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

LISTING OF THE NAME SET AND PRICE VECTOR REGION NUMBER: 16 DATE: 021782

CODE	ITEM NAME	NMOD	UNIT	PRICE	CODE	ITEM NAME	NMOD	UNIT	PRICE
515	CANTALOUP SEED	____	LB.	9.00	565	INSECTICIDE	PEAN	APPL	6.00
516	CARROT SEED	____	LB.	5.50	566	INSECTICIDE	SPIN	APPL	7.50
517	CUCUMBER SEED	____	LB.	8.00	567	INSECTICIDE	SUNF	APPL	6.00
518	CUCUMBER-PCKL SD	____	LB.	8.00	568	INSECTICIDE	SOYB	APPL	6.00
519	ONION SEED	____	LB.	12.00	570	FUNGICIDE	CABB	APPL	6.50
520	OATS SEED	____	LB.	0.15	571	FUNGICIDE	CANT	APPL	6.50
521	SPINACH-FRESH SD	____	LB.	2.00	572	FUNGICIDE	CARR	APPL	5.00
522	SPINACH-PROC. SD	____	LB.	1.65	574	FUNGICIDE	LETT	APPL	6.00
523	LETTUCE SEED	____	LB.	24.00	575	FUNGICIDE	ONIO	APPL	6.00
524	PEANUT SEED	____	LB.	1.02	576	FUNGICIDE	PEAN	APPL	6.00
525	SUNFLOWER SEED	____	LB.	0.75	577	FUNGICIDE	SPIN	APPL	5.00
526	SPRIG & SPRIGGNG	____	ACRE	40.00	578	CSTL PAST GRAZNG	____	DAYS	0.50
527	HVST,PKG,MKT CBG	____	BAGS	2.00	579	CUSTOM ROOT PLOW	____	ACRE	45.00
528	HARV, PACK & MKT	CABB	CRTN	4.00	580	CSTL BERMUDA HAY	____	TON	70.00
529	HARV, PACK & MKT	CARR	BAGS	4.25	581	CUST HARV, STRIP	COTT	CWT.	1.75
530	HRV,PKG,MKT	CCMB	CRTN	4.25	582	GIN STRPR COTTON	____	CWT.	1.75
531	HARVEST, PICKLES	CCMB	CWT.	4.00	583	BL,BG,TIE-ST CTN	____	BALE	13.00
532	HARV,PKG,MKT	ONIO	BAGS	3.30	584	BEEHIVE RENT	____	ACRE	15.00
533	HARV,PKG,MKT	SPIN	BU.	4.50	585	BEET SEED	____	LB.	2.40
534	HARV,PKG,HAUL	SPPR	TON	4.85	586	NEMATICIDE	____	ACRE	8.60
535	HARV,PKG,HAUL	LETT	CRTN	4.25	587	FLORUNNER PEANUT	____	CWT.	29.00
536	HARVEST & HAUL	SUNF	ACRE	25.00	588	FUNGICIDE	BEET	ACRE	7.50
537	CUSTOM DRYING	PEAN	TON	25.00	589	ALLOTMENT LEASE	PEAN	CWT.	2.65
538	CUSTOM HAUL	PEAN	TON	6.00	590	SPINACH SECONDS	____	TON	1.50
539	CUSTOM HARVEST	SOYB	BU.	0.75	591	GRAZING	____	DAYS	0.50
540	CUSTOM HAUL	SOYB	BU.	0.15	592	CUSTOM FERTILIZE	____	ACRE	2.50
541	CUSTOM HAUL	HAY	BALE	0.20	593	SUNFLOWERS	____	LB.	0.20
542	HERBICIDE	HAY	ACRE	4.50	595	INNOCULANT	____	ACRE	0.50
543	HERBICIDE	CABB	ACRE	8.00	596	CUSTOM HAUL	____	CWT.	0.20
544	HERBICIDE	CANT	ACRE	4.00	598	MISC ADMIN O/H	____	ACRE	10.00
545	HERBICIDE	CARR	ACRE	8.00	599	HERBICIDE	GUAR	ACRE	8.00
546	HERBICIDE	CORN	ACRE	11.00	___	____________	____	____	___.___
547	HERBICIDE	COTT	ACRE	7.00	___	____________	____	____	___.___
548	HERBICIDE	CUCU	ACRE	4.00	___	____________	____	____	___.___
549	HERBICIDE	LETT	ACRE	8.00	___	____________	____	____	___.___
550	HERBICIDE	SORG	ACRE	8.00	___	____________	____	____	___.___
551	HERBICIDE	ONIO	ACRE	4.00	___	____________	____	____	___.___
552	HERBICIDE	SP,B	ACRE	20.00	___	____________	____	____	___.___
553	HERBICIDE	PEAN	ACRE	3.75	___	____________	____	____	___.___
554	HERBICIDE	SUNF	ACRE	8.25	___	____________	____	____	___.___
555	HERBICIDE	SOYB	ACRE	8.50	___	____________	____	____	___.___
556	INSECTICIDE	CABB	APPL	7.00	___	____________	____	____	___.___
557	INSCTCD CNTLOUPS	CANT	APPL	7.00	___	____________	____	____	___.___
558	INSECTICIDE	CARR	APPL	6.00	___	____________	____	____	___.___
559	INSECTICIDE	CORN	APPL	8.00	___	____________	____	____	___.___
560	INSECTICIDE	COTT	APPL	7.50	___	____________	____	____	___.___
561	INSECTICIDE	CUC.	APPL	7.50	___	____________	____	____	___.___
562	INSECTICIDE	LETT	APPL	6.50	___	____________	____	____	___.___
563	INSECTICIDE	SORG	APPL	6.00	___	____________	____	____	___.___
564	INSECTICIDE	ONIO	APPL	6.00	___	____________	____	____	___.___

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

TABLE . DEFAULT PARAMETER VALUES AND DEFINITIONS
REGION: 16 DATE: 021782

ROW	PARAMETER DEFINITION	DEFAULT VALUE
1.	PRICE PER GALLON CF GASOLINE	1.1800
2.	PRICE PER GALLON CF L.P. GAS	0.6700
3.	PRICE PER GALLON OF DIESEL	1.1100
4.	PRICE PER KILOWATT HOUR OF ELECTRICITY	0.0750
5.	PRICE PER 1000 CU. FT. OF NATURAL GAS	4.0000
6.	NOMINAL INTEREST RATE	0.1550
7.	MACHINERY INSUR. RATE (AVERAGE INVESTMENT)	0.0100
8.	MACHINERY TAX RATE (PURCHASE VALUE)	0.0050
9.	IRRIGATION SYSTEM NUMBER	1.
10.	HOURLY MACHINERY WAGE RATE	5.00
11.	HOURLY OTHER LABOR WAGE RATE	3.80
12.	HOURLY IRRIG./LIVESTOCK WAGE RATE	3.80
13.	DEATH LOSS (PERCENT OF TOTAL RECEIPTS)	0.0
14.	LIVESTOCK INSUR. RATE (AVERAGE INVESTMENT)	0.0100
15.	EQUIPMENT INSUR. RATE (AVERAGE INVESTMENT)	0.0100
16.	LIVESTOCK TAX RATE (AVERAGE VALUE)	0.0050
17.	EQUIPMENT TAX RATE (AVERAGE VALUE)	0.0050
18.	IRRIGATION LABOR MULTIPLIER (HRS/ACIN)	0.1000
19.	FACTOR TO CONVERT MACHINE HRS TO TRACTOR HRS	1.1000
20.	FACTOR TO CONVERT TRACTOR HRS TO LABOR HRS	1.2000
21.	FACTOR TO CONVERT SELF-POWERED MACHINERY HRS TO LABOR HRS	1.2500
22.	LUBRICATION COST MULTIPLE OF MACHINERY FUEL COSTS	0.1000
23.	INFLATION RATE	0.0
24.	LUBRICATION COST MULTIPLE OF EQUIPMENT FUEL COSTS	0.0500

LISTING OF ECONOMIC AND ENGINEERING DATA FOR MACHINERY IN REGION 16 DATE:021782

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	39030.	4.5	0.88	1.20	0.	1.60	500.	7.	0.68	0.92	35130.	3.	12000.	150.
TRACTOR	2.	125.0	32330.	4.5	0.88	1.20	0.	1.60	600.	7.	0.68	0.92	29100.	3.	12000.	125.
TRACTOR	3.	100.0	27940.	4.5	0.88	1.20	0.	1.60	500.	7.	0.68	0.92	25150.	3.	12000.	100.
TRACTOR	4.	75.0	18370.	4.5	0.88	1.20	0.	1.60	300.	7.	0.68	0.92	16530.	3.	12000.	75.
TRACTOR	5.	40.0	11200.	4.5	0.88	1.20	0.	1.60	300.	7.	0.68	0.92	10080.	3.	12000.	40.
TRACTOR 4 WH DR	6.	225.0	57650.	4.5	0.88	1.20	0.	1.60	600.	7.	0.68	0.92	51885.	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.
SPCOMBINE	13.	14.0	47760.	3.0	0.70	0.33	0.	1.80	100.	6.	0.64	0.88	47760.	1.	2000.	120.
SPCOMBINE	14.	20.0	50050.	3.0	0.70	0.33	0.	1.80	100.	6.	0.64	0.88	50050.	1.	2000.	150.
PECAN PICKER	19.	36.0	13000.	4.0	0.70	0.33	0.	1.60	60.	7.	0.60	0.88	12000.	1.	450.	25.
PECAN PICKER	20.	36.0	13000.	4.0	0.70	0.33	0.	1.60	30.	7.	0.60	0.88	12000.	1.	450.	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.
SHREDDER	31.	9.0	2000.	3.7	0.80	0.60	0.	1.00	50.	7.	0.60	0.88	2000.	0.	2000.	0.
MOLDBOARD PLOW	32.	5.3	6480.	4.5	0.80	1.00	0.	1.30	100.	7.	0.60	0.88	6480.	0.	2000.	0.
CHISEL PLOW	33.	15.0	3780.	4.5	0.80	1.00	0.	1.80	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.
OFFSET DISC	35.	8.0	3800.	5.0	0.80	0.65	0.	1.80	50.	7.	0.60	0.88	3800.	0.	2000.	0.
BEDDER 6R	36.	20.0	3780.	4.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	1760.	0.	2000.	0.
ROLLING CULT 4R	37.	12.0	2700.	3.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	2700.	0.	2000.	0.
ROLLING CULT 6R	38.	18.0	3780.	3.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	3780.	0.	2000.	0.
CULTIVATOR 4R	39.	12.0	3025.	5.0	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	2590.	0.	2000.	0.
CULTIVATOR 6R	40.	18.0	3240.	5.0	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	3240.	0.	2000.	0.
PLANTER 4R	41.	13.3	5180.	4.5	0.60	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.
V-TYPE DITCHER	54.	5.0	1080.	4.5	0.80	1.00	0.	1.80	100.	7.	0.60	0.88	1080.	0.	2000.	0.
SCRAPE BLADE	56.	6.0	1300.	6.0	0.60	0.60	0.	1.80	50.	7.	0.60	0.88	1080.	0.	2100.	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	62.	6.0	3000.	4.0	0.65	1.00	0.	1.80	35.	7.	0.60	0.88	2900.	0.	1200.	0.
HERBICIDE SPRAYR	63.	12.0	1300.	4.0	0.65	1.00	0.	1.80	35.	7.	0.60	0.88	1300.	0.	1200.	0.
HERBICIDE SPRAYR	64.	20.0	2160.	4.0	0.65	1.00	0.	1.80	35.	7.	0.60	0.88	2160.	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 SHKER	66.	6.7	3240.	2.5	0.60	1.00	0.	1.30	100.	12.	0.60	0.88	1300.	0.	2500.	0.
PEANUT COMB. 2R	67.	6.7	16200.	2.5	0.60	0.50	0.	1.80	100.	12.	0.60	0.88	16200.	0.	2500.	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.
COTTON WAGON	70.	20.0	3240.	10.0	0.82	1.00	0.	1.80	1.	10.	0.60	0.88	3240.	0.	2000.	0.
HARROW SPIKE	72.	18.0	1080.	4.5	0.80	0.65	0.	1.80	35.	10.	0.60	0.88	1080.	0.	2000.	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.
HIGH HERB. SPRAY	75.	6.7	12960.	4.0	0.65	1.00	0.	1.80	100.	10.	0.60	0.88	12960.	0.	1200.	0.
SPRAYER H.-SPEED	83.	150.0	3240.	0.3	0.70	0.80	0.	1.60	200.	7.	0.60	0.88	2700.	0.	2000.	0.
SPRAYR HYDRAULIC	84.	150.0	1500.	0.3	0.70	0.80	0.	1.60	200.	7.	0.60	0.88	1000.	0.	3000.	0.
PECAN SHAKER HYD	87.	10.5	4200.	6.0	0.60	0.33	0.	1.60	140.	10.	0.60	0.88	3800.	0.	1500.	0.
PECAN SHAKER HYD	88.	10.5	4200.	6.0	0.60	0.33	0.	1.60	70.	10.	0.60	0.88	3800.	0.	1500.	0.

B-1241 (L 16)

TEXAS AGRICULTURAL EXTENSION SERVICE . THE TEXAS A&M UNIVERSITY SYSTEM
Daniel C. Pfannstiel, Director . College Station, Texas

TEXAS ENTERPRISE BUDGETS

TEXAS EDWARDS AQUIFER REGION

Projected for 1982

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.
500 - 1-82, New
ECO 7-2

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/12/82.

COW-CALF PRODUCTION TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER COW
UNIMPROVED BRUSH COUNTRY

INVESTMENT REQUIREMENTS	NUMBER	UNIT	SIZE	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
COW RAISED	0.80	HEAD	1.00	684.37	547.50	
COW PURCHASED	0.20	HEAD	1.00	618.75	123.75	
BULL PURCHASED	0.05	HEAD	1.00	1250.00	62.50	
HEIFER RAISED	0.08	HEAD	1.00	450.00	36.00	
HORSE	0.01	HEAD	1.00	503.91	6.30	
TOTAL LIVESTOCK INVESTMENT					$ 776.05	$

PRODUCTION	NUMBER	WGT. EACH	TOTAL UNITS	UNIT	PROJECTED $/UNIT	PROJECTED RETURN	
STEER CALVES	0.38	4.10	1.6	CWT.	65.00	101.27	
HEIFER CALVES	0.17	3.90	0.7	CWT.	58.00	38.45	
CULL COWS	0.10	9.50	0.9	CWT.	40.00	38.00	
DEER LEASE	25.00	1.00	25.0	ACRE	2.50	62.50	
TOTAL PROJECTED RETURNS						$ 240.22	$

OPERATING INPUTS	INPUT USE	UNIT	PROJECTED $/UNIT	PROJECTED COST	
SALT & MIN.	48.00	LB.	0.18	8.64	
VET MEDICINE	2.00	DOL.	4.00	8.00	
COTTONSEED MEAL	180.00	LB.	0.12	21.60	
HAY	2.00	BALE	2.00	4.00	
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				0.98	
TOTAL OPERATING COST				$ 69.06	$

RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT $ 171.16 $

CAPITAL INVESTMENT	QUANTITY INVESTED	UNIT	RATE OF RETURN	PROJECTED COST	
ANNUAL OPERATING CAPITAL	-2.20	DOL.	0.155	-0.34	
EQUIPMENT INVESTMENT	53.30	DOL.	0.155	8.26	
LIVESTOCK INVESTMENT	776.05	DOL.	0.155	120.29	
TOTAL CAPITAL COST				$ 128.27	$

RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT $ 42.95 $

OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)	PROJECTED COST	
EQUIPMENT	9.13	
LIVESTOCK	40.02	
TOTAL OWNERSHIP COST	$ 49.15	$

RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT $ -6.20 $

OPERATOR LABOR COSTS	LABOR USE	UNIT	RATE OF RETURN	PROJECTED COST	
EQUIPMENT	1.75	HOUR	3.80	6.65	
LIVESTOCK	9.00	HOUR	3.80	34.20	
TOTAL LABOR COST				$ 40.85	$

RESIDUAL RETURNS TO LAND, MANAGEMENT, AND PROFIT $ -47.05 $

LAND COSTS	INPUT USE	UNIT	RATE OF RETURN	PROJECTED COST	
PASTURE RENT	25.00	ACRE	3.50	87.50	
TOTAL LAND COST				$ 87.50	$

RESIDUAL RETURNS TO MANAGEMENT AND PROFIT $ -134.55 $

TOTAL PROJECTED COST OF PRODUCTION $ 374.77 $

SPRING CALVING, 76% CALF CROP, 3% DEATH LOSS ON COWS,
13% REPLACEMENT RATE, 10,000 ACRE RANCH, 400 ANIMAL UNITS.