

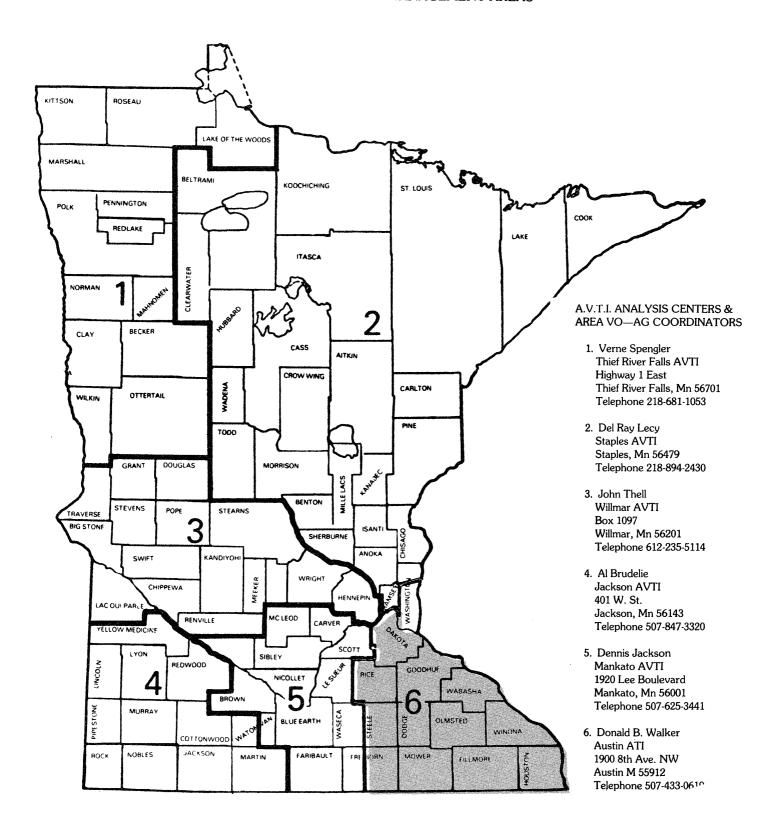
1986 Annual Report Southeastern Minnesota April, 1987

AN ADULT EDUCATIONAL PROGRAM

In cooperation with: State Board of Vocational Technical Education,
Division of Agricultural Education - University of Minnesota

AUSTIN TECHNICAL INSTITUTE

VO-AG FARM MANAGEMENT AREAS



1986 REPORT OF THE VOCATIONAL AGRICULTURE FARM MANAGEMENT PROGRAM IN SOUTHEASTERN MINNESOTA Donald Walker - Area Vocational Agriculture Coordinator

TABLE OF CONTENTS

TABLES AND DATA

Introduction	1
Summary of Farm Inventories - Whole Farm	2
Whole Farm Summary of Cash Receipts	3
Whole Farm Summary of Cash Expenses	4
Whole Farm Enterprise Statement	5
Operators Household Expense	6 7
Explanation of Ratio's in table 5 - Statement of Financial Position	7
Statement of Financial Position - Operator's	8
Operators Share of Cash Receipts	9
Operators Share of Cash Expenses	10
Average Prices Used - Work Unit Values - Animal Unit Values	11
Explanation of Measures of Farm Organization & Management	12
Measures of Farm Organization	13
Thermometer Chart	14
Crop Acres and Yields	15
Explanation of Crop Tables	16
Crop Data - Individual Crop Tables	17-26
Explanation of Livestock Tables	27
Costs & Returns From Farrow to Finish Hogs	28-29
Costs & Returns From Finishing Hogs	30
Costs & Returns From Weaning Pig Production	31
Dairy Cows	32
Other Dairy Cattle Replacements	33-34
All Dairy Cattle & Replacements	35
Beef Breeding Cattle	36
Beef Feeders All Farms	37
Beef Feeders in Lot at 500 lbs. and 500 - 700 lbs.	38
Sheep - Farm Flock	39
Summary of Selected Items of Information 1980 - 1986	40-41
Setting Goals	42-43
How much did the Average Farmer Spend and Whom did they Spend it With	44

INTRODUCTION

Adult Farm Business Management Education programs have been part of the public school vocational agriculture offerings since 1952. From the early cooperative efforts of the State Department of Education, Department of Agricultural Education (U of Minn) and the Department of Agricultural Economics (U of Minn), the program has expanded to serve over 5000 farm families in six regional farm management areas. Programs are now cooperatively managed by the Minnesota Department of Vocational Technical Education, the Division of Agricultural Education (U of Minn), AVTI's and local school districts.

From the very beginning the purpose of the farm management education part of the adult agriculture program was to help farm families achieve their farm business and family goals through improved management, organization and efficiency of their farms. The purpose has not changed.

To accomplish the purpose, programs have been organized to generally conform to the following guidelines:

1. Farmers enroll in a specific farm management course.

 Each course has a specific major objective and specific units of instruction to meet the objective.

- 3. Courses are offered in a sequence, and farmers are expected to enroll in the first course and follow the sequence. They may continue enrollment in the advanced courses as long as they desire.
- 4. There is continuity between the courses: each one leads to the other.
- 5. Part of the instruction is done on the farm with the individual farm family.

Most programs organize their courses around the same central themes. They are:

Year 1 - Farm business records and accounts.

Year 2 - Farm business analysis and evaluation.

Year 3 - Farm business organization.

Advanced (For students who have completed years 1, 2, and 3). In the advanced series of classes and on-farm instructional visits the major emphasis is on evaluating the business, examining alternatives and continuing the reorganization of the resources used in the business.

Like most education programs, enrollees benefit from the instruction in relation to how much effort they put into study. But there have been some research studies that show that on the average, enrollees get some exciting results.

Of course, some farmers may have benefited more, and some less, depending upon how seriously they studied the results of their business analysis and the kind of decisions they made as a result of the study.

The summary of farm records for the Southeastern Minnesota area shows the results of the farm businesses enrolled in management education programs for 1986. Study the results carefully so you can use this information to improve agriculture in your area and in your business.

Below is a listing of the schools involved and the instructors responsible for these programs.

ADULT FARM MANAGEMENT School Insturctor(s) Instructor(s) SCHOOL Loel Gorden Lewiston H.S. Albert Lea AVTI Norman Fredin Wayne Busch Sheep Mgmt. Instructor Ronald Hayes Vic Richardson Owatonna H.S. Austin ATI James Kelm Gene Francis Red Wing AVTI Blooming Prairie HS Red Wing AVTI Romeo Cyr Howard Kittleson* Rochester AVTI Frank Quam Dean Lind Dakota County AVTI Dwain Southland H.S. Faribault AVTI Ken Stassen Vangsness Gary Thome Brad Harguth* Spring Grove H.S. Hayfield H.S. Curtis Berg Kasson-Mantorville Kenyon H.S. Gil Shubert* Spring Valley H.S. William Johnson

Kenyon H. S. Jerry Bartel Winona AVTI Lanesboro H.S. Vern Groen ** LeRoy-Ostrander H.S. Wayne Pike

*Indicates part-time adult **High School Ag instructor

Hilbert Hoof

The analysis of the records and preparation of the report for the Southeast area is done under the direction of Donald Walker, Area AG Program Coordinator, at the Austin Institute. Directing in a supervisory capacity are Marge Kirchhoff, Director, ATI; Dr. William Nachatilo, Superintendent of Austin Schools; John Murray, Education Specialist, State Board of Vocational Technical Education; and Dr. Edgar Persons, Head of the University of Minnesota Agricultural Education Division. Data processing was done by Specialized Data System, Inc., Madison Wisconsin. Special acknowledgement is due the Graphic Technology Department at the Austin Technical Institute for printing this report and Joan O'Rourke for typing it.

TABLE 1 - WHOLE FARM INVENTORIES - 1986

						61 HIGH	61 LC	W	
ITEM	IS .		AVERAGE OF 305	FARMS		PROFIT FAR	RMS PROFI	T FARMS	
1	SIZE OF FARM - TOTAL ACRES		467.8			644.2	410		
2	- TILLABLE ACRES		423.5			595.9	371	.9	
3	WORK UNITS - CROPS		203.72			287.58		5.56	
4	- LIVESTOCK		373.05			539.90		.65	
5	- OTHER		23.80			27.70		6.62	
6	TOTAL SIZE OF BUSINESS IN WORK UNITS		600.57			855.18		.82	
7	NUMBER OF WORKERS		1.64			1.91		.55	
8	FARM CAPITAL INVESTMENT PER WORKER	\$	327878		\$	419138		010	
A8	FARM CAPITAL INVESTMENT PER WORK UNIT		974		•	880		178	
9	PRODUCTIVE LIVESTOCK		JAN 1	DEC 31	JAN 1	DEC 31	JAN 1	DEC 31	
10	DAIRY COWS		21714	21419	17818	17854	17636	16891	
11	OTHER DAIRY CATTLE		12407	12761	10173	10950	10879	9517	
12	BEEF BREEDING CATTLE		2139	1953	2238	2085	2911	2843	
13	BEEF FEEDER CATTLE		4256	4234	5812	9259	7073	2817	
14	HOGS		19008	23725	51929	65856	6704	6845	
15	SHEEP (INCLUDING FEEDERS) & GOATS		95	201	68	260	250	526	
16	POULTRY - ALL TYPES		1	1	ì	2	3	4	
17	OTHER LIVESTOCK		84	93	391	415	•		
18	TOTAL PRODUCTIVE LIVESTOCK	\$	59705	64388	88430	106680	45456	39442	
19	CROP, SEED, FEED & SUPPLIES		54230	52689	71030	76348	57190	49486	
20	POWER, MACHINERY & EQUIPMENT								
21	AUTO & TRUCK (FARM SHARE)		. 3594	3725	3797	3798	4386	4145	
22	POWER & MACHINERY		34547	33222	43591	44042	31223	25601	
23	IRRIGATION EQUIPMENT		131	137					
24	CUSTOM WORK EQUIPMENT		857	742	25	18	3203	2862	
25 26	LIVESTOCK EQUIPMENT		9921	9229	14547	13562	9491	8299	
26	TOTAL POWER, MACHINERY & EQUIPMENT	\$	49049	47054	61959	61421	48302	40907	
27	LAND		282840	284892	407928	412870	256005	256005	
28	BUILDINGS-FENCES-ETC.		72930	70711	117124	116048	54532	51296	
29 30	TOTAL FARM CAPITAL INCREASE OR DECREASE IN TOTAL FARM CAPIT	\$ TAL\$	518754	519734 980	746470	773368	461485	437137	
						26897		(-24348)	

TABLE 2A - WHOLE FARM SUMMARY OF CASH RECEIPTS - 1986

			VERAGE OF 05 FARMS		61 LEAST PROFITABLE
1	SALE OF LIVESTOCK & LIVESTOCK PRODUCTS	\$			
2	DAIRY COWS	Ą	4081	3081	4138
3	DAIRY PRODUCTS		49139	40431	39576
3 4	OTHER DAIRY CATTLE		2948	2504	2940
5	BEEF BREEDING CATTLE		1076	1276	1524
6	BEEF FEEDER CATTLE		6919	10003	11014
7	HOGS COMPLETE & MIXED		36438	108251	5901
8	HOGS FINISHING		18869	45757	15784
	HOGS PRODUCING WEANING PIGS		2999	6511	27
10	SHEEP, GOATS & WOOL, FARM FLOCK		198	319	352
11	SHEEP & WOOL, FEEDER LAMBS		31	319	156
12	CHICKENS (INCLUDING HENS & BROILERS)		9		44
13	TURKEYS		,		33
14	EGGS		10	37	11
15	OTHER PRODUCTIVE LIVESTOCK & PRODUCTS		392	1949	
16	OTHER MISCELLANEOUS LIVESTOCK INCOME		229	125	143
$\frac{10}{17}$	TOTAL SALES OF PRODUCTIVE LIVESTOCK	\$	123339	220243	81610
18	SALE OF CROPS	7	123333	220213	01010
19	WHEAT		432	206	428
20	OTHER SMALL GRAINS		506	605	393
21	CORN		35789	51 760	31 380
22	SOYBEANS		16709	22895	14476
22A	SUNFLOWERS				
23	OTHER ROW CROPS		2711	6060	1083
24	LEGUMES & OTHER FORAGE		433	544	282
25	GRASS SEED				
26	FRUITS & NUTS				
27	VEG. ROADSIDE MARKET & SPEC.		35	175	
28	NURSERY, TIMBER & OTHER		135	20	153
29	SET ASIDE ACRES-GOV. PAYMENTS		16310	25225	14083
29A	PIK ACRES				
29B	SALE OF CROP & SUPPLIES PURCH. FOR RESALE	Ξ	714	1530	924
30	TOTAL SALES FROM CROPS & SUPPLIES		73774	109019	63201
31	CAPITAL ASSETS SOLD (AUTO/TRK/MACH.)		501	306	1054
31A	A. CAP. ASSETS SOLD (BLDGS & IMPVTS.)		40	50	23
31B	B. CAP. ASSETS SOLD (LAND)				
32	GAS TAX REFUND		30	31	9
33	INCOME FROM WORK OFF THE FARM		1993	2781	1255
34	CUSTOM WORK ENTERPRISE INCOME		821	717	2793
35	PATRONAGE REFUNDS		660	506	339
36	MISCELLANEOUS FARM INCOME		3391	5556	2500
37	TOTAL FARM SALES	\$	204548	339209	152783
38	INCREASE IN FARM CAPITAL		980	26897	0
39	FAMILY LIVING FROM THE FARM		618	769	514
40	TOTAL FARM RECEIPTS (37)+(38)+(39)	\$	206146	366875	153297

TABLE 2A shows all sources of cash income for the whole farm which includes landlords share. For operators share only of Cash Receipts, see Table 6A. In addition to Cash Receipts, the increase in Farm Capital (item 38) and Family Living from the Farm (item 39) are included in Total Receipts. Increase in Farm Capital is calculated by subtracting the Total Farm Capital at the beginning of the year from the Total Farm Capital at the end of the year (Table 1A, item 29). A decrease in Farm Capital is shown on Table 2B, item 40. Family Living from the Farm represents the cash value of farm produce consumed during the year.

TABLE 2B - WHOLE FARM SUMMARY OF CASH EXPENSES - 1986

TUDE	E 2D WHOLE PART SUPPLART OF CASH EXPENS			61 MOCE	61 TENOM
THE	PURCHASE OF LIVESTOCK DAIRY COWS OTHER DAIRY CATTLE BEEF BREEDING CATTLE BEEF FEEDER CATTLE HOGS COMPLETE & MIXED HOGS FINISHING HOGS PRODUCING WEANING PIGS SHEEP & GOATS SHEEP & FEEDER LAMBS CHICKENS (INCLUDING HENS & BROILERS)	AVE	VAGE OF	61 MOST PROFITABLE	OI LEAST
ITEM	DIDOTACE OF LIMEOROGY	305	FARMS	PROFITABLE	PROFITABLE
J	DAIRY COWS	ş	477	257	550
2	DAIRI COMS		4//	257	
3	OTHER DAIRY CATTLE		/25	304	
4	BEEF BREEDING CATTLE		203		
5	BEEF FEEDER CATTLE		2475	6732	2701
6	HOGS COMPLETE & MIXED		1383	2559	288
7	HOGS FINISHING		6956	16526	5926
8	HOGS PRODUCING WEANING PIGS		235	91	
9	SHEEP & GOATS		34	6	96
10	SHEEP & FEEDER LAMBS		43		217
11	CHICKENS (INCLUDING HENS & BROILERS)	1	6956 235 34 43 2	3	6
12	TURKEYS				
13	OTHER PRODUCTIVE LIVESTOCK MISCELLANEOUS LIVESTOCK EXPENSE		97	481	
14	MISCELLANEOUS LIVESTOCK EXPENSE		8454	11052	6514
	PURCHASE OF CROPS & SUPPLIES FOR RESALE		4073	5931	749
16	FEDUTI 17FD		20173	11656	7794
17	CUEMICAIC		7204	11050	6165
18	OUTTED COOD EXDENSES		1234	10000	6165
10	TODICATION ODEDATION COCHE		12136	18200	11248
19	TRRIGATION OPERATION COSTS		12	30	=-00
20	FEED BOUGHT FERTILIZER CHEMICALS OTHER CROP EXPENSE IRRIGATION OPERATION COSTS CUSTOM WORK ENT. OP. COSTS, INC. LAB.		182	· .	782
21	CUSTOM WORK HIRED		5153	5833	5995
22	REPAIR & UPKEEP OF LVSTK. EQUIPMENT				
23	REPAIR & UPKEEP OF FARM REAL ESTATE		1707	2193	1533
24	CAC (EC) DIECET C TIDDICANTIC		1111	6002	3896
25	REPAIR & OP. MACH. TRAC. TRK. & AUTO (F)	3)	73 37	9558	6988
26	REPAIR & OP. MACH. TRAC. TRK. & AUTO (FOR REPAIR & UPKEEP OF IRRIG. EQUIPMENT REPAIR CUSTOM WORK ENTERPRISE WAGES OF HIRED LABOR PERSONAL PROP. & REAL ESTATE TAXES GENERAL FARM EXPENSE TELEPHONE EXPENSE (FS)		5	18	
27	REPAIR CUSTOM WORK ENTERPRISE		141	86	541
28	WAGES OF HIRED LABOR		5608	7737 7759	5640
29	PERSONAL PROP. & REAL ESTATE TAXES		5570	7759	5107
30	GENERAL FARM EXPENSE		3152	4410	20.40
31	GENERAL FARM EXPENSE TELEPHONE EXPENSE (FS) ELECTRICITY EXPENSE (FS)		431	510	460
32	ELECTRICITY EXPENSE (FS)		3309	4662	2941
	ELECTRICITY EXPENSE (FS) TOTAL CASH OPERATING EXPENSE	Ś	118208	510 4662 192295 11502	94873
	POW. CROP & GEN. MACH. BOUGHT (FS)	,	9649	11502	7571
35	IRRIGATION EQUIPMENT BOUGHT		21	11302	7371
36	CUSTOM WORK EQUIPMENT BOUGHT		21		
37	LIVESTOCK EQUIPMENT BOUGHT		1740	2619	1588
38	NEW REAL ESTATE BLDGS/IMPROVEMENTS		5954	11250	4000
38A	NEW REAL ESTATE-LAND		2118		4000
39	TOTAL FARM PURCHASES (33) THRU (38A)	\$		4943	100022
39	TOTAL FARM PURCHASES (33) THRU (38A)	Ş	137690	222608	108033
40	DECIDENCE IN ENDM CADIMAL			. ^	24240
40	DECREASE IN FARM CAPITAL		0	0	24349
41	INTEREST ON FARM CAPITAL (7% OP. CHG.)		36347		31452
42	UNPAID FAMILY LABOR		430	275	577
43	LABOR CHARGE FOR PARTNERS & OTHER OP.		327	1131	177
44	BOARD FURNISHED HIRED LABOR		90	151	42
45	TOTAL FARM EXPENSE (39) THRU (44)	\$	174884	277359	164630
46	RET. TO OP. LAB. & MGMT. SING. OP. (W.F.	١٩	21262	99517	(_11222)
40	(2A/40)-(45)	, , , ,	31263	89517	(-11333)
47	NUMBER OF OPERATORS		1	1	1
48	FULL TIME OPERATOR EQUIVALENTS		1.16	1.26	1.09
49	RET. TO OP. LAB. & MGMT/FULL TIME OPERAT	OR	28138	80132	(-10303)
	EQUIVALENTS (T2B L43+2B L46/T2B L48)	. •			, 2000,

RETURN TO OPERATORS LABOR & MCMT. REPRESENTS THE RETURN FOR THE OPERATORS LABOR AND MANAGEMENT AFTER ALL EXPENSES ARE DEDUCTED.

TABLE 3 - WHOLE FARM ENTERPRISE STATEMENT - 1986

ITEM	S	AVERAGE OF 305 FARMS	F 61 MOST FROFITABLE	
1	RETURNS & NET INCREASES	\$		
2	PRODUCTIVE LIVESTOCK			
3	DAIRY COWS	45909	37604	37146
4	OTHER DAIRY CATTLE	10405	9647	7504
4 5 6	BEEF BREEDING CATTLE	1278	1333	1770
6	FEEDER CATTLE	3563	6237	3393
7	HOGS, COMPLETE & MIXED	38875	117782	6009
8 9	HOGS, FINISHING ENTERPRISE	12049	29183	9690
9	PRODUCING WEANING PIGS	3651	8577	
10	SHEEP & GOATS	254	631	317
11	SHEEP, FEEDER LAMBS	31		156
12	CHICKENS (INCL. HENS & BROILERS)	19	38	52
13	TURKEYS			
14	OTHER PRODUCTIVE LIVESTOCK	304	1492	
15	TOTAL ALL PROD. LIVESTOCK	\$ 116338	212524	66038
16	LESS VALUE OF FEED FED TO LS		88332	
17	RETURN OVER FEED FROM LIVESTOCK (15-16)	65984	124192	33781
18	CROP, SEED & FEED	67412	104143	47247
	CROPS & SUPPLIES PURCH. FOR RESALE	(-3358)	(-4401)	176
19	COOPERATIVE PATRONAGE REFUNDS	660	506	339
20	MISC. FARM INCOME	3391	5556	2500
21	CUSTOM WORK ENTERPRISE	383	624	1130
22	TOTAL RETURNS & NET INCREASES \$	134472	230620	85172
	(17+18+18A+19+20+21)			
23	EXPENSES & NET DECREASES			
24	TRUCK & AUTO (FS) \$	5064	5932	5525
25	TRACTORS & CROP MACHINERY	19747		21368
26	IRRIGATION EQUIPMENT	20		
27	ELECTRICITY		4662 [.]	2941
28	LIVESTOCK EQUIPMENT	4545		4402
29	BUILDINGS, FENCES & TILING	9841	14469	8746
	BARE LAND	66		
31	MISC. LIVESTOCK EXPENSE	8454	11052	6514
32	LABOR (PD., UNPD. & NET CSTM. LB. CHG)			6973
33	LABOR CHARGE FOR OTHER OP(S)	327	1131	177
34	PROPERTY TAX	5570	7759	5107
35	GENERAL FARM EXPENSE	3152	4410	2840
35A	TELEPHONE EXPENSE	431	510	460
36	INTEREST ON FARM CAPITAL (7 PCT. CH	36347	53194	31452
37	TOTAL EXPENSES & NET DECREASES \$	103209	141103	96506
2.2	THE TO OPE LABOR CHAPT (STREET OPP)	21.262	00517	(_11323)
38	RET. TO OPS. LABOR & MGMT. (SINGLE OPR) \$	31263	1	(-11333) 1
39	NUMBER OF FARM OPERATORS		1.26	
40	FULL TIME OEPRATOR EQUIVALENTS		80132	
41	RTRN. OPR. LBR. & MGMT/FULL TIME OPR.	20138	00132	(-1000)

TABLE 4 - HOUSEHOLD EXPENSE - 1986 -AVERAGE FARMS

			E PER	38 HIGH	PER	38 LOW	
		OF 173			ADULT	PROFIT	
		FARMS	EQUIV	FARMS	EQUIV	FARMS	EQUIV
ITE							
1	NUMBER OF PERSONS - FAMILY	4		4		4	
2	NUMBER OF ADULT EQUIVALENT - FAMILY	3.2		3.6		3.2	
3		\$ 1057	330.31	1515	420.83	928	290.00
4	MEDICAL CARE & HEALTH INSURANCE	2591	809.69	3312	920.00	2422	756.88
5	FOOD & MEALS BOUGHT	3912	1222.50	4970	1380.56	3717	1161.56
6	OPERATING EXPENSE & SUPPLIES		609.38	1950	541.67	1435	448.44
7	FURNISHINGS & EQUIPMENT	1054	329.38	1504	417.78	1013	316.56
8	CLOTHING & CLOTHING MATERIALS	1080	337.50	1524	423.33	1/111	347.19
9	PERSONAL CARE, PERSONAL SPENDING	959	299.69	1329	369.17	1/382	431.88
10	EDUCATION	315	98.44	516	143.33	330	103.13
11 .	RECREATION	912	285.00	1101	305.83	993	310.31
12	GIFTS & SPECIAL EVENTS	885	276.56	1337	371.39	758	236.88
12A	PERSONAL INTEREST	97	30.31	159	44.17	5	1.56
13	PERSONAL SHARE TRUCK & AUTO EXPENSE	972	303.75	1476	410.00		265.00
14	PERSONAL SHARE TRUCK & AUTO EXPENSE OPERATOR SHARE UPKEEP ON DWELLING	279	87.19	219	60.83	266	83.13
14A		8	2.50				00.13
15	PERSONAL SHARE TELEPHONE & ELECTRIC		253.44	1100	305.56	675	210.94
15A	PERSONAL SHARE-GENERAL FARM EXPENSE	58	18.13	62	17.22	38	11.88
16	TOTAL CASH LIVING EXPENSE	\$16940	5293.75	22075	6131.94		4975.63
17	PERSONAL SHARE NEW TRUCK & AUTO	619	193.44	1030	286.11	237	74.06
18	NEW DWELLING BOUGHT	351	109.69	704	195.56	23,	71.00
19	TAXES & OTHER DEDUCTIONS	1629	509.06	2361	655.83	1729	540.31
20	LIFE INSURANCE	1902	594.38	2843	789.72	1697	530.31
21	TTL HOUSEHOLD & PRSNL (16 THRU (20)		6700.31	29012	8058.89		6120.31
22	TOTAL FAMILY LIVING FROM FARM(33	536	167.50	561	155.83	515	160.94
23	TOTAL CASH/NON-CASH EXP(21)+(22)	\$21977	6867.81		8214.44		6281.25
23A	PAID ON PERSONAL DEBT		26.56	99	27.50	87	27.19
23B	SAVINGS & INVST. (EXCE THAN LIFE INS		349.38	1957	543.61	482	150.63
23C	TTL COST/NON-CASH FDS.FOR PSL/US		7 - 7 - 7	31628	20669		150.05
	FAMILY LIVING FROM THE FARM	· ·	/	Same			
	TIME DIVING FROM THE PARM						
25		QTY.	OP.SHARE	QTY.	OPSHARE	QTY.	OP.SHARE
26	MILK & CREAM (QUARTS)	468	128	402	116	516	137
27	BEEF & BUFFALO (POUNDS)	408	286	249	198	471	265
28	PORK (POUNDS)	223	91	501	224	75	38
29	LAMB, MUTTON, GOAT (POUNDS)	1	1				
30	POULTRY, ALL FOWL (POUNDS)	1	1			5	4
31	EGGS (DOZEN)	3	1	8	4		
~~	TAMES TOLLING OPING OFFICE TOOL &		00				
32 33	VGTBL., FRUITS, SPUDS, OTHER PROD. & F TOTAL FAMILY LIVING FROM THE FARM	UELL	29 \$ 536		18 5 561		71 \$ 515

EXPLANATION OF RATIO'S AND OTHER ITEMS ON TABLE 5

- ITEM 28 The Ratio of Total Farm Expense to Total Farm Receipts, sometimes called the Gross Ratio, expresses the percentage of each dollars worth of income consumed by expenses. It is calculated by dividing item 46, Table 6B by item 40, Table 6A.
- ITEM 29 The Ratio of Total Assets to Total Liabilities, sometimes called the Net Capital Ratio, measures the degree of financial safety in the farm business. It shows the number of dollars in assets available to cover each dollar of debt.
- ITEM 30 The Ratio of Non-Real Estate Assets to Non-Real Estate Liabilities, sometimes called the Intermediate Ratio, is calculated by dividing the sum of items 1, 2, 3 & 7 by the Non-Real Estate Liabilities, items 11, 12, & 13.
- ITEM 31 The Ratio of Real Estate Assets to Réal Estate Liabilities is calculated by dividing the sum of items 4, 5 and 8 by item 10. Lending agencies are often interested in the relationship of item 30 to item 31.
- ITEM 32 The Ratio of Net Worth to Total Liabilities is a ratio of owners equity to his total debt. It expresses the percentage of his liabilities that are covered by Net Worth.
- ITEM 33 The Ratio of Cash Operating Expense to Adjusted Total Farm Sales is calculated by dividing item 35 in Table 6B by item 41, Table 6A. It differs from item 28 (Ratio of Total Farm Expense to Total Farm Receipts) in that it does not include the sale or purchase of Capital Assets.
- ITEM 34 The Ratio of Total Farm Receipts to Average Farm Capital-Whole Farm, sometimes called the Capital Turnover Ratio, is calculated by dividing item 40, Table 2A by the Average Farm Capital in Table 1. It indicates to the farm operator the amount of gross income received for each dollars worth of capital used in the business.
- ITEM 35 The Ratio of Total Farm Receipts to Average Farm Capital-Operators Share. The same as item 34 except it is for the operators share only. Calculated by dividing item 40, Table 6A by the average operators Farm Capital on Table 5.
- ITEM 36 Inventoried Value of Farm Per Owned Acre is calculated by dividing the sum of the Dec. 31 inventory value of land, buildings and dewlling by total acres owned.
- ITEM 37 Inventoried Value of Farm Per Tillable Acre is calculated by dividing the sum of the Dec. 31 inventory value of land, buildings and dwelling by tillable acres owned.
- ITEM 38 Debt (all Sources) Per Acre Owned is calculated by dividing the total liabilities on Dec. 31 by total acres owned.

TABLE 5 - STATEMENT OF FINANCIAL POSITION-OPERATOR - 1986

TAB	LE 5 - STATEMENT OF FINANCIAL POSI	TION-OI	PERATOR -	1986					
FOR THOSE FARMS WITH A COMPLETE RECORD OF ALL ASSETS AND LIABILITIES									
	AVERAGE OF 52 HIGH								
			258 FA	RMS		FIT FARMS	52 I PROF	IT FARMS	
			JAN 1	DEC_31	JAN 1	DEC 31			
ITE									
1	TOTAL PRODUCTIVE LIVESTOCK	\$	55915	59475	83032	96766	50138	44624	
2	CROP, SEED & FEED		50253	48265	64457		70572	52660	
3	TOTAL POWER, MACH & EQUIP		47920	46216	65743			47700	
4	LAND (ACRES OWNED)(TILL)		119072	121498	181545		134578		
<u>5</u> 6	TOTAL POWER, MACH & EQUIP LAND (ACRES OWNED)(TILL) BUILDINGS, FENCES, ETC.		64093	62513	103138			63121	
6	TOTAL FARM CAPITAL	\$	337254	337967	497916		377843		
		•			137310	322013	377043	343732	
7	NON-FARM ASSETS		19621	20655	35180	36123	19771	19878	
7A	NON-FARM ASSETS CASH ON HAND & IN BANK		7266	10761	5131	12113	16645	22175	
7B	NON-FARM REAL ESTATE		926	851	405	387	10043	221/5	
8	DWELLING		21730		33504		22604	00540	
9	MOMAT ACCUMA	\$	386796	392317	33504	34573	22604		
10	REAL ESTATE MORTGAGES CHATTEL MORTGAGES	Ÿ			572136		436863		
11	CHATTEL MORTGAGES		135913	133189			122215		
12	NOTES		75194	69396	105908	96456	66292	55736	
13			15647		21734	20220	15869	12606	
$\frac{13}{14}$	ACCOUNTS PAYABLE			3941		5461	3927	3711	
14	TOTAL LIABILITIES	\$	231302	220911	354670	337037	208304	190424	
3.5									
15	FARMERS NET WORTH (9-14)	\$	155494	171406	217466	268172	228559	218109	
16	GAIN (OR LOSS) IN NET WORTH	\$		15912		50707		(-10450)	
								, _, _,	
17	SUPPLEMENTARY MANAGEMENT INFORMAT	ION							
18	RET. TO OPERATORS LABOR & MGMT.	(6B/47):	\$ 26543		75265		(-12487)	1	
19	RET. TO CAPITAL & FAMILY LABOR (5B/48)	30961		76988		(-2277)		
20	NON-FARM INCOME	,,			,0500		(2211,		
21	OUTSIDE INVESTMENT INCOME		1102		2023		1655		
22	OTHER PERSONAL INCOME & INC. TAX	BEELIND	6195		5592		1655		
22A	SALE OF PERS. SHARE-DWLG., AUTO	c. TOTAL	68		12		8704		
23	TOTAL NON-FARM INCOME	\$	7365				44		
24	TTL FAM. FARM/NON-FARM INC.		/303 \\$30336		7627		10403		
	TID TAN TAKY NON-TAKY INC.	(19723	1938326		84616		8126		
25	TOTAL MONEY BORROWED (BUS.& PER)		70.276	7					
26	TOTAL PAID ON DEDE (DOS. & PER)	O> = ++ \	/23/6		88053		58675		
27	TOTAL PAID ON DEBT (PRINC. & BUS.	ONLY.)	82563		105810		75891		
	TOTAL CASH/NON-CASH EXPENSE (4/23	(C)			28778		18106		
28	RATIO: TTL FARM EXP TO TTL REC. (C).S.	.871		.772		1.071		
20	7.55		JAN 1		JAN 1	DEC 31	JAN 1	DEC 31	
29	RATIO: TOTAL ASSETS TO TOTAL LIA	BILITII	ES 1.672	1.776	1.613	1.796	2.097	2.145	
30	RATIO: NON-REAL ESTATE ASSETS/NO	N-REAL							
	ESTATE LIABILITIES		1.897	2.113	1.901	2.289	2.469	2.596	
31	RATIO: REAL ESTATE ASSETS TO LIA	BIL.	1.514	1.554	1.439	1.515	1.836	1.871	
32	RATIO: NET WORTH TO TOTAL LIABIL	ITIES	.672	.776	.613	.796	1.097	1.145	
33	*RATIO: CASH OPERATING EXP. TO A	DJUSTEI)				11037	1.113	
	TOTAL FARM SALES (Operato			.745		.725		.739	
34	RATIO: TOTAL FARM RECEIPTS TO AV	ERAGE	•			• ,25		• 133	
	FARM CAPITAL (Whole Farm)			.425		.486		270	
35	RATIO: TOTAL FARM RECEIPTS TO AV	ERACE		• 423		.400		.378	
	FARM CAPITAL (Operators Sha			.608		C40			
36	INVENTORIED VALUE OF FARM/ACRE	LC)				.648		.490	
	(LINE 4+5+8/ACRES OWNED)			991	* 1	1063		892	
37	TATION TO CALL OF TARRA (TITE	A CIDE							
<i>31</i>	INVENTORIED VALUE OF FARM /TILL.	ACKE		1171		1251		1033	
38	(LINE 4+5+8/ACRES TILLABLE)								
٥٥	DEBT (ALL SOURCES) PER ACRE OWNE	D 		1062		1102		767	
	**ADJUSTED TOTAL FARM SALES DOES	NOT INC		OF CAPIT	AL ASSET	S			
	* ACRES OWNED: TOTAL		208.0		305.9		248.4		
	TILLABLE		172.1		260.0		214.5		

The NET WORTH STATEMENT shows the operators financial progress during the year and from this statement he can study his progress from year to year. Items I through 5 show the distribution of capital invested by the operator in the farm business.

TABLE 6A - OPERATORS SHARE OF CASH RECEIPTS - 1986

TABI	E 6A - OPERATORS SHARE OF CASH RECEIPTS -	1986	·		
			AVERAGE OF	61 MOST	61 LEAST
-			305 FARMS	PROFITABLE	PROFITABLE
1	SALE OF LIVESTOCK & LIVESTOCK PRODUCTS	\$	2705	2410	2712
2	DAIRY COWS		3785	3410	3713
3	DAIRY PRODUCTS		46608	43372	38771
4	OTHER DAIRY CATTLE		2637	2690	2465
5	BEEF BREEDING CATTLE		1019	1271	1393 10825
6 7	BEEF FEEDER CATTLE		5814	5203	11606
8	HOGS COMPLETE & MIXED		32804 16928	96320 38105	17652
9	HOGS FINISHING HOGS PRODUCING WEANING PIGS		2999	7237	1408
10	SHEEP, GOATS & WOOL, FARM FLOCK		198	297	352
11	SHEEP & WOOL, FEEDER LAMBS		31	231	156
12	CHICKENS (INCLUDING HENS & BROILERS)		3		17
13	TURKEYS		J		1,
14	EGGS		9	37	
15	OTHER PRODUCTIVE LIVESTOCK & PRODUCTS		392	12	
16	OTHER MISCELLANEOUS LIVESTOCK INC.		229	135	143
10	Official Princepolitative Coop bive brock the:				113
17	TOTAL SALES OF PRODUCTIVE LVSTK.	\$	113458	198090	88501
18	SALE OF CROPS	•			
19	WHEAT		413	200	351
19A	DURAM				
20	OTHER SMALL GRAINS		443	277	480
21	CORN		32938	42479	39731
22	SOYBEANS		15053	17784	17480
23	OTHER ROW CROPS		2408	4595	1203
24	LEGUMES & OTHER FORAGE		366	313	203
25	GRASS SEED				
26	FRUITS & NUTS				
27	VEG. ROADSIDE MARKET & SPEC.		35	175	
28	NURSERY, TIMBER & OTHER		135	377	153
29	SET ASIDE ACRES-GOV. PAYMENTS		15257	22026	15893
29A	PIK ACRES		605	1200	204
29B	SALE OF CROP & SUP. PURCH. FOR RESALE		697	1380	924
30	TOTAL SALES FROM CROPS & SUPPLIES	\$	67746	89607	76419
31	CAPITAL ASSETS SOLD (AUTO/TRK/MACH.)		493	434	1091
31A	CAPITAL ASSETS SOLD (BLDGS. & IMPROV.)		40 0	50	23
31B	CAPITAL ASSETS SOLD (LAND)		30	0 29	0 9
32	GAS TAX REFUND		30 1921	2513	1888
33	INCOME FROM WORK OFF THE FARM		749	2513	2793
34 35	CUSTOM WORK ENTERPRISE INCOME PATRONAGE REFUNDS		648	560	2793
36	MISCELLANEOUS FARM INCOME		3311	6195	1927
37	TOTAL FARM SALES	\$	188396	297501	172875
57	TOTAL PART SALLS	7	100370	257501	172075
38	INCREASE IN FARM CAPITAL		1080	22806	0
39	FAMILY LIVING FROM THE FARM		562	545	558
40	TOTAL FARM RECEIPTS (37)+(38)+(39)	\$	190038	320852	173433
		•			
41	ADJUSTED TOTAL FARM SALES (37)-(31)		187863	297017	171761
42	TTL CASH FARM OPERATING EXP.		141024	214598	130763
43	NET CASH OPERATING INCOME (41-42)	\$	46839	82419	40998
	1				

TABLE 6B - OPERATORS SHARE OF CASH EXPENSES - 1986

TABL	E 6B - OPERATORS SHARE OF CASH EXPENSES - 1986			
		AVERAGE OF	61 MOST	61 LEAST
_		305 FARMS	PROFITABLE	PROFITABLE
1	PURCHASE OF LIVESTOCK DAIRY COWS OTHER DAIRY CATTLE BEEF BREEDING CATTLE BEEF FEEDER CATTLE HOGS COMPLETE HOGS FINISHING HOGS PRODUCING WEANING PIGS	_		
2	DAIRY COWS	424	96	517
3	OTHER DAIRY CATTLE	669	335	341
4	BEEF BREEDING CATTLE	203	112	7
5	BEEF FEEDER CATTLE	1662	2504	2934
6	HOGS COMPLETE	1235	2934	368
7	HOGS FINISHING	6265	14041	6446
8	HOGS FINISHING HOGS PRODUCING WEANING PIGS SHEEP, FARM FLOCK SHEEP & FEEDER LAMBS CHICKENS (INCLUDING HENS & BROILERS)	235	148	262
9	SHEEP, FARM FLOCK	34		96
10	SHEEP & FEEDER LAMBS	43	3	217
11	CHICKENS (INCLUDING HENS & BROILERS)	1	3	2
12	TURKEYS			
13	OTHER PRODUCTIVE LIVESTOCK MISCELLANEOUS LIVESTOCK EXPENSE	97 7937	6	
14	MISCELLANEOUS LIVESTOCK EXPENSE	7937	10836	6767
14A	PURCHASE OF CROPS & SUPPLIES FOR RESALE	4094	5398	3730
15	PPPD DOLCUM	24247	50284	16905
16	FERTILIZER	8022	10285	8441
17	CHEMICALS	6815	8690	6623
18	OTHER CROP EXPENSE	11450	15331	11581
19	FEED BOOGHT FERTILIZER CHEMICALS OTHER CROP EXPENSE IRRIGATION OPERATION COSTS CUSTOM WORK ENT. OP. COSTS, INC. LAB.	6 182		11
20	CUSTOM WORK ENT. OP. COSTS, INC. LAB.	182	4	782
21			5100	
22	REPAIR & UPKEEP OF LVSTK. EQUIPMENT	1813	2981	1402
23	REPAIR & UPKEEP OF FARM REAL ESTATE	1542	1691	1791
24	GAS, DIESEL & LUBRICANTS BOUGHT (FS)	4262	5472	4059
25	REPAIR & UPKEEP OF LVSTK. EQUIPMENT REPAIR & UPKEEP OF FARM REAL ESTATE GAS, DIESEL & LUBRICANTS BOUGHT (FS) REPAIR & OP. MACH. TRAC. TRK. & AUTO (FS) REPAIR & UPKEEP OF IRRIG. EQUIPMENT REPAIR CUSTOM WORK ENTERPRISE WAGES OF HIRED LABOR PERSONAL PROP. & REAL ESTATE TAXES CASH RENT GENERAL FARM EXPENSES	6982	8546	7330
26	REPAIR & UPKEEP OF IRRIG. EQUIPMENT	5	18	6
27	REPAIR CUSTOM WORK ENTERPRISE	132		541
28	WAGES OF HIRED LABOR	5407	7263	6207
29	PERSONAL PROP. & REAL ESTATE TAXES	2230	3294	2424
	CASH RENT	14223	16948	13817
31	GENERAL FARM EXPENSES	3009	4293	3151
32	TELEPHONE EXPENSE (FS)	418	501	492
33	ELECTRICITY EXPENSE (FS)	31 45	4605	3150
34	CASH RENT GENERAL FARM EXPENSES TELEPHONE EXPENSE (FS) ELECTRICITY EXPENSE (FS) INTEREST ACTUALLY PAID	19343	32878	14452
35	TOTAL CASH OPERATING EXPENSE \$	141024	214598	130763
36	POWER CROP & GEN. MACH. BOUGHT (FS)	91 37	9729	8104
37	POWER CROP & GEN. MACH. BOUGHT (FS) IRRIGATION EQUIPMENT BOUGHT	21		107
38	CUSTOM WORK EQUIPMENT BOUGHT			
39	LIVESTOCK EQUIPMENT BOUGHT	1651	3150	1605
40	NEW REAL ESTATE & IMPROVEMENT	5836	10918	4559
40A	NEW REAL ESTATE - LAND	2111	5107	1024
41	TOTAL FARM PURCHASES (35) THRU (40) \$	159781	243502	146161
42	DECREASE IN FARM CAPITAL	0	0	29233
43	INTEREST ON FARM CAPITAL (7% OP. CHG)	4226	1976	9962
44	UNPAID FAMILY LABOR	428	320	405
45	BOARD FURNISHED HIRED LABOR	90	118	74
46	TOTAL FARM EXPENSE (41) THRU (45) \$	164525	245916	185835
47	RETURN TO OP. LAB. & MCMT. (6A/40)-(46) \$	25513	74937	(-12402)
48	RETURN TO CAPITAL & FAM. LAB. (47+44+43) \$	30167	77233	(-2035)
	- , , - , ,			

TABLE 6B lists the operators share of all cash expense items. The sum of item 34 (interest expense on borrowed capital) and items 43 (interest on the operators equity of farm capital) is equal to 7% of the operators average farm capital found on line 6, Table 5. RETURN to CAPITAL and FAMILY LABOR represents the amount available for debt service, living expense and savings.

MOST COMMON PRICES USED FOR FEED IN THE 1986 REPORT

FARM GROWN FEEDS	•				PAS	TURE PER HEA	D PER MONTH
					GRE	EN CHOP &	PERMANENT
OATS 1.10			RO	TA	TIC	NAL PASTURE	PASTURE
ALF. HAY 55.00							
CORN SIL. 15.00	Cows				\$	8.00	3.00
	Young Cattle					4.00	1.50
	Hogs						.38
	Pigs (under 6 months)						.19
	Sheep					1.45	•55
	Lambs	•	•	•		.73	.28

EXPLANATION OF WORK UNITS

The TOTAL WORK UNITS on any one farm is one measure of the size of that farm business. A Work Unit, as used in this report, is the average accomplishment of a farm worker in a ten hour day. Total number of Work Units is not a measure of how hard a farmer works but it does measure how much is being accomplished on the farm.

TABLE 7	WORK UNITS FOR CROPS, No. of work	LIVESTOCK AND WORK OFF OF THE FARM No. of Work	
Item	Units	Item	Units/acre
Dairy Cattle	7.0/cow	Barley, Wheat, Oats, Rye	.30/acre
Dairy Cattle	1.2/head	Canning Peas	.40/acre
Beef Breeding Cows	1.5/head	Oat Silage	.40/acre
Beef Feeders	.12/cwt.	Canning Corn	.50/acre
Hogs - Complete	.12/cwt.	Corn for Grain	.55/acre
Hogs - Finishing	.06/cwt.	Soybeans	.45/acre
Hogs - Wean, Pigs	1.4/litter	Corn & Cane Silage	.60/acre
Sheep, Farm Flock	.60/head	Alfalfa Hay	.60/acre
Lambs, Feeders	.30/cwt.	O. Leg. & Mix Hay	.40/acre
Chickens, Lay. Floci	5.0/100	Other Grass Hay	.30/acre
Broilers	.20/cwt.	Annual Hay	.40/acre
Turkeys, Lay. Flock	25.0/100	Leg. & Grass Silage	.40/acre
Turkey Poults	.12/cwt.	Summer Fallow Tilled	.20/acre
Labor Off the Farm	1.0/\$40	Wild Hay	.20/acre
Set Aside Acres, til		Tillable Grass Pasture	.05/acre
Set Aside Acres, un		Non-tillable Pasture	.01/acre
Legume Pasture	.05/acre		

The following values are used for each type of animal in calculating total number of animal units on Table 8, Items 6 and 30.

TYPE OF ANIMAL	ANIMAL UNITS	TYPE OF ANIMAL	ANIMAL UNITS
Dairy Cows	1.0/head	Pigs	.2/head
Other Dairy (young st.)	.5/head	Sheep, Adults	.143/head
Beef Cows	.8/head	Lambs	.071/head
Other Beef (young st.)	.3/head	Chickens, Laying Hens	.02/head
Beef Feeders	1.0/head	Broil. & Turkey Poults	1.0/11001b.
Hogs, Adults	.4/head	Turkeys, Laying flock	.04/head

MEASURES OF FARM ORGANIZATION AND MANAGEMENT EFFICIENCY

The following explanations and definitions are for use in interpreting Table 8 and the Thermometer Chart.

- 1. Ret. to Lab. & Mgmt. A measure of the relative financial return for the operators labor, taking into account all income and expense, cash and non-cash, including a charge for the use of farm capital. This is based on the whole farm business and is found also in Table 2 and Table 3.
- 2. Crop Yield Index A measure of the crop yield level for all crops produced expressed as a percentage of the average; the average being 100%.
- 3. Percent of Tillable Land in High Return Crops A measure of crop selection based on a rating of individual crops. Crop ratings take into account such things as dollar return, effect on soil, TDN, yield, labor required, etc. Ratings can be found on Table 9.
- 4. Gross Return per Acre An additional measure of crop selection based on total production times an average price for the crops, plus other crop income.
- 5. Return per \$100 Feed Fed to Productive Livestock Measures the general level of efficiency for all livestock. It is expressed as a percentage of the average and combines the individual livestock indexes into one figure.
- 6. <u>Livestock Units per 100 Acres</u> A measure of livestock density or population. Unit values are assigned to the various classes of livestock. Unit values are found in Table 7.
- 7. Size of Business Work Units A measure of the total work load. A Work Unit represents the average accomplishment of a worker in one 10 hour day. Work Unit values are assigned to each class of livestock, each crop, and to other tasks utilizing farm labor.
- 8. Work Units per Worker Measures labor efficiency. It is the total work units divided by the number of workers on the farm including the operator, hired labor and family labor.
- 9. Power, Machinery, Equipment and Building Expense per Work Unit A measure of expense control. It is the total of items 24 through 29 in Table 3 divided by the number of Work Units.
- 10. Farm Capital Investment per Worker Another measure indicating size of business. Useful in comparing a farm business to other industries or businesses.

Other items listed on Table 8 are related to the above measures and serve to further define and describe the efficiency level of the farm business. Note should be taken that items listed in Table 8 and the Thermometer Chart are to be considered in the light of the individual farm and farm operator. Although in general, an above average level for each factor listed would indicate an above average earnings, this may not be true when individual farms are considered. The inter-relationship of factors varies from farm to farm.

TABLE 8 - MEASURES OF FARM ORGANIZATION WHOLE FARM - 1986

TABL	E 8 - MEASURES OF FARM ORGANIZATION WHOLE F	ARM	- 1986		
			AVERAGE OF	61 MOST	61 LEAST
			305 FARMS	PROFITABLE	
1	RETURN TO OPERATORS LABOR & MANAGEMENT	\$		89517	
2	CROP YIELD INDEX	•	100.0	98.1	
3	PERCENT ILLABLE LAND IN HIGH RET CROPS		86.0		85.6
4	GROSS RETURN PER TILLABLE ACRE EXC. PAST		217.26	220.02	
5	RETURN PER \$100 FEED FED PROD. LVSTK INDEX				91.4
6 *				110.6	91.4
7	SIZE OF BUCINESS IN WORK INTES		599 . 22	39.39	21.35
8	LVSTK UNITS PER 100 ACRES* SIZE OF BUSINESS IN WORK UNITS WORK UNITS PER WORKER				485.82
9			365.38	447.74	
10	POW., MACH., EQ., BLDG. EXP/WORK UNIT	\$	/1.54	64.07	92.08
	FARM CAPITAL INVESTMENT/WORKER		316049	397863	289878
11	INDEX OF RETURN PER \$100 FEED FED				
12	6100A BEEF BREEDING CATTLE		100.0		113.1
13	6140A BEEF FEEDERS, FEEDLOT		100.0	102.2	77.5
18	6290A DAIRY COWS, COMMERCIAL, GEN.			112.7	93.2
20	6310A OTHER DAIRY, COMM., REPLACEMENT		100.0	108.9	
21	6318A OTHER DAIRY, REPL. & FEED STOCK	ζ.	100.0	125.9	
23	6470A HOGS, FARROW, FINISH, GENERAL		100.0	102.5	
24	6490A HOGS, FINISHING		100.0	102.1	
25	6510A HOGS, WEANING PIG PRODUCTION		100.0	138.8	100.4
26	6530A HOGS, MIXED SYSTEMS		100.0	103.5	95.8
28	6670A SHEEP, FARM, COMMERCIAL		100.0	119.8	
	oover singley triative constancial		100.0	119.0	61.5
30	NUMBER OF ANIMAL UNITS		125.00	220 42	01 75
30	CITAIO DELITAR OF THE TOTAL		125.99	238.43	81.75
31	WORK UNITS				
32	CROPS		202 57	207 50	
33			203.51	287.58	
34	PRODUCTIVE LIVESTOCK		371.98 23.72	539.90	
34	OTHER PRODUCTIVE WORK UNITS		23.72	27.70	25.62
2 =	TUDENCE DE L'ORIE				
35	EXPENSES PER WORK UNIT				
36	TRACTOR & CROP MACHINERY EXPENSE	\$	33.25	27.10	45.77
37	FARM SHARE OF AUTO & TRUCK EXPENSE	\$	8.52	6.95	11.84
38	FARM SHARE OF ELECTRIC EXPENSE	\$	5.56	5.46	6.30
39	LIVESTOCK EQUIPMENT EXPENSE	\$ \$	7.65	7.60	9.43
40	BLDG., FENCE & TILING EXPENSE	\$	16.56	16.96	
40A	OTHER EXPENSE PER WORK UNIT				2007.1
	(INC. CUSTOM ENT)				
40B		\$	5.97	5.75	6.79
	EXCEPT ELECT.	Υ	3.57	3.73	0.79
40C		\$	9.33	0.05	11 (1
41**		۶ \$		9.05	11.61
42	FARM POWER & MACH. COST ALLOCATED TO LVSTK	ပု ဇ	46.65	38.77	57.43
43			3905.63	4480.37	
1)		\$	3801.28	4659.63	4231.97
	TO CROPS BCAF (4)				

^{*}ACRES INCLUDE ALL TILLABLE LAND, NON-TILLABLE HAY AND PASTURE

^{**}ACRES INCLUDE ALL TILLABLE LAND PLUS ACRES IN NON-TILLABLE HAY

THERMOMETER CHART

Using your figures from Tatle 8, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the farm included in this summary are located between the dotted lines across the center of the chart.

Return to Labor & Mgmt.	Crop Yield INdex	%Till. Land In High Ret. Crop	Gross Ret. Per Tillable Acre	Return Per \$100 Feed Fed-Index	Livestock Units per 100 Acres	Size of Business in Work Units	Work Units Per Worker	Power, Machinery, Equipment, and Building Expense/Work Unit
110,000	140	98	300	120	37	900	465	32
90,000	130	95	290	115	35	825	440	42
70,000	120	92	270	110	33	750	415	52
50,000	110	89	250	105	31	675	390	62
31,134	100	86	217	100	29	599	365	72
10,000	90	83	190	95	27	425	340	82
-10,000	80	80	170	90	25	350	315	92
-30,000	70	77	150	85	23	275	290	102

TABLE 9 - CROP ACRES - 1986

	AVERAGE OF	61 MOST	61 LEAST
	305 FARMS	PROFITABLE	PROFITABLE
Total Small Grain & Canning Peas	26.6	27.7	20.1
Total Row Crop	333.0		260.8
Total Legumes, Including Seed	43.1		35.8
Total Other Hay	• 7		• 5
Total Silage & Fodder	13.6	11.1	12.5
Total Tillable Pasture	2.5	• 9	4.0
Total Commercial Vegetables	.2	.8	
Total Fallow & Idle Land	46.5	62.3	38.2
Total Tillable Land	466.2	595.9	371.9
Total Non-Tillable Hay/Pasture	10.9	9.4	11.0
Wild Hay Not Harvested (Non-Tillable)	.7	1.5	. 7
Pasture Not Harvested	7.3	6.0	4.6
Timber Not Harvested	7.7	5.2	4.3
Roads & Waste	12.2	17.0	10.8
Farmstead	7.8	9.2	6.7
TOTAL LAND NOT HARVESTED*	35.7	38.9	27.1
TOTAL NON-TILLABLE LAND	46.6	48.3	.38.1
TOTAL LAND IN FARM OR RANCH*	512.8	644.2	410.0

SUPPLEMENTARY MANAGEMENT INFORMATION

AVERAGE OF 305 FARMS	61 MOST PROFITABLE FARMS	61 LEAST PROFITABLE FARMS
90.9	92.5	90.7
86.2	87.8	85.6
21.23	21.17	21.47
18.32	20.40	18.97
30.53	32.90	29.95
12.78	12.22	12.87
19.90	17.94	21.20
	OF 305 FARMS 90.9 86.2 21.23 18.32 30.53 12.78	OF 305 PROFITABLE FARMS 90.9 92.5 86.2 87.8 21.23 21.17 18.32 20.40 30.53 32.90 12.78 12.22

AVERAGE YIELDS (FROM TABLE 10)

	NUMBER		AVERAGE	20%	20%
	OF FARMS	CROPS	ALL FARMS	HIGH	LOW
CROP	GROWING	RANK	GROWING CROP	YIELD	YIELD
Oats	175	D	61.5 BU	72.6 BU	50.6 BU
Wheat (Spring)	59	В	36.7 BU	41.4 BU	25.7 BU
Canning Corn	23	С	\$219.55		
Canning Peas	28	Α	\$174.71		
Barley	21	D	53.7 BU		
Corn, Grain	363	А	138.0 BU	154.7 BU	127.8 BU
Soybeans	286	А	38.5 BU	44.9 BU	30.9 BU
Alfalfa Hay	248	Α	4.3 TON	5.4 TON	2.7 TON
Corn Silage	145	Α	18.3 TON	21.3 TON	16.9 TON
Grain Silage	29	С	6.2 TON	9.7 TON	2.5 TON
Legume Pasture	31	В	\$46.03		
Non Till Pasture	74	-	\$18.67		
Set Aside Acres	296	В	\$287.78		
Land Rented Out	19	D	\$57.20		

CROP TABLES - CROPS ANALYSIS

The Crop Analysis Table for each individual crop shows the yield, value per unit, crop product return, other crop income and total crop return.

Costs such as fertilizer, chemicals, seed and other, hired labor and custom work are costs that can be assigned to each individual crop in the account book. These costs are shown in the Crop Tables under the heading "Direct Costs".

"Allocated Costs" are a combination of cash and non-cash expenses and may be either calculated or assigned. A proportion of the total ownership and operation costs of power and machinery is calculated for each crop by using the work unit value for that crop. The farmer may modify this cost by assigning a specific power cost allocation factor (PCAF) for each crop. Land cost used is the fair rental value for land of similar type in the local area.

Other possible costs not included in item 31 "total listed costs per acre" are "Utilities & other general farm expenses", item 33. A share of the total amount has been assigned to each crop by the use of the work unit value for each crop.

Where crops have been sold, and the crop has a per unit market price, the price received per unit and the quantity sold are shown in items 39 & 40.

TABLE 10 - CROP DATA FOR OATS, FEED - 0072 - 1986

			AVERAGE OF 175 FARMS	HIGH IN	
2 3 4 5	ACRES YIELD VALUE PER PRODUCTION UNIT CROP PRODUCT RETURN OTHER CROP INCOME **		26.4 61.5 .90 55.38 27.08	26.0 72.6 .97 70.38 68.12	20.6 50.6 .88 44.51 4.08
6	TOTAL CROP RETURN	\$	82.46	138.50	48.59
7 8 9 10	CHEMICALS SEED	\$	4.17 .72 7.69	4.04 .73 6.92	8.01 1.80 10.15
10A 10B 11	CROP DRYING OTHER EXPENSE SPECIAL HIRED LABOR		1.89 .04	1.42	2.43
12 13	CUSTOM WORK HIRED IRRIGATION OPERATION		7.77	5.85	14.61
14	TOTAL DIRECT COSTS	\$	22.28	18.96	37.00
15	RETURN OVER DIRECT COSTS (6-14)	\$	60.18	119.54	11.59
16 17 18 19 20 21 22	ALLOCATED COSTS (DIRECT & FIXED) FARM POWER & MACHINERY-OWNERSHIP FARM POWER & MACHINERY-OPERATION IRRIGATION EQUIPMENT-OWNERSHIP LAND COSTS MISCELLANEOUS COSTS *INTEREST ON MACH. & EQUIP. INVESTMEN		11.60 15.01 63.97	12.94 16.23 61.89 4.80	11.12 15.72 65.34 2.90
23	TOTAL ALLOCATED COSTS	\$	94.08	95.86	95.08
24	RETURN OVER ALL LISTED COSTS (6-31)	\$ ((-33.90)	23.68	(-83.49)
26	SUPPLEMENTARY MANAGEMENT INFORMATION WORK UNITS ASSIGNED PER ACRE POWER COST ALLOCATION FACTOR TOTAL LISTED COST PER UNIT OF PROD. RETURN OVER LISTED COSTS PER UNIT BREAKEVEN YIELD/UNIT OF PRODUCTION ESTIMATED TOTAL MACHINE COST/ACRE TOTAL LISTED COSTS PER ACRE(14+23)		35.29	118.37 37.87	.30 .99 2.61 (-1.65) 150.09 39.48 132.08
32 33 33A 34 35 36 39 40	OTHER POSSIBLE COSTS NOT LISTED UTILITIES & OTHER GENERAL FARM EXP. BUILDINGS, FENCES & TILING COSTS INTEREST ALLOCATION OTHER COSTS NOT LISTED TOTAL COSTS AVERAGE PRICE RECVD. PER UNIT SOLD QUANTITY SOLD (OPERATORS SHARE)		 .96	2.59 .93 505 BU	3.42 .96 361 BU

^{*}DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18 & 22 WERE ALLOCATED TO THIS CROP BY FORMULA **OTHER CROP INCOME MAY INCLUDE A PROPORTION OF DIVERTED ACRE INCOME

TABLE 10 - CROP DATA FOR WHEAT (SPRING) - 0172 - 1986

TAB:	LE 10 - CROP DATA FOR WHEAT (SPRING) -	0172	2 - 1986		
			AVERAGE	12 FARMS	12 FARMS
			OF 59	HIGHEST IN	LOWEST IN
			FARMS	RETURN	RETURN
			211210	OVER DIR.	
				COSTS	COSTS
1	ACRES		23.3	20.6	19.1
2			36.7	41.4	25.7
	YIELD				
3	VALUE PER PRODUCTION UNIT		2.21	2.36	2.02
4	CROP PRODUCT RETURN	\$			51.94
5	OTHER CROP INCOME **		24.68	73.83	9.21
6	TOTAL CROP RETURN	\$	105.67	171.55	61.15
7	DIRECT COSTS				
8	FERTILIZER	\$	16.18	21.02	16.91
9	CHEMICALS		1.37	1.80	.42
10	SEED		11.50	10.78	12.93
10A			.13		.68
10B				1.80	2.72
11				1.00	
12	CUSTOM WORK HIRED		7.64	7.04	14.19
	IRRIGATION OPERATION		7.04	7.04	14.17
$\frac{13}{14}$	TOTAL DIRECT COSTS	\$	39.09	42.44	47.85
14	TOTAL DIRECT COSTS	Y	37.07	72.77	47.03
15	RETURN OVER DIRECT COSTS (6-14)	\$	66.58	129.11	13.30
13	MITORIA OVER DIRECT CODID (0 14)	۲	00.50	123.11	13.30
16	ALLOCATED COSTS (DIRECT & FIXED)				
17	FARM POWER & MACHINERY-OWNERSHIP	ċ	13.61	15.93	12.51
		Ą	13.43	15.41	8.85
18	FARM POWER & MACHINERY-OPERATION		13.43	13.41	0.00
19	IRRIGATION EQUIPMENT-OWNERSHIP		64.60	71 50	FC FO
20	LAND COSTS		64.69	71.58	56.50
21	MISCELLANEOUS COSTS		.09		
22	*INTEREST ON MACH. & EQUIP. INVESTMEN	<u> </u>	3.36	3.57	2.40
23	TOTAL ALLOCATED COSTS		95.18	106.49	80.26
24	RETURN OVER ALL LISTED COSTS (6-31)	\$ ((-28.60)	22.62	(-66.96)
25	SUPPLEMENTARY MANAGEMENT INFORMATION				
26	WORK UNITS ASSIGNED PER ACRE		.30	.30	· 30
27	POWER COST ALLOCATION FACTOR		.98	1.00	. 92
28	TOTAL LISTED COST PER UNIT OF PROD.		3.66	3.60	4.98
29	RETURN OVER LISTED COSTS PER UNIT		(78)	•55	(-2.60)
30	BREAKEVEN YIELD/UNIT OF PRODUCTION			63.11	63.42
30A				39.61	33.22
31	TOTAL LISTED COSTS PER ACRE(14+23	210	134 27	148.93	128.11
31	TOTAL LISTED COSTS PER ACRE(14+2.	7 7	134.27	140.93	120.11
20	OFFITE POSSIBLE GOORG NOT LIGHT				
32	OTHER POSSIBLE COSTS NOT LISTED		2 04	0.40	2 24
33	UTILITIES & OTHER GENERAL FARM EXP.	\$	3.94	2.43	3.34
33A	•				
34	INTEREST ALLOCATION				
35	OTHER COSTS NOT LISTED				
36	TOTAL COSTS			··	
39	AVERAGE PRICE RECVD. PER UNIT SOLD	\$	2.37	2.53	2.23
40	QUANTITY SOLD (OPERATORS SHARE)		720 BU	637 BU	391 BU

*DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18, & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA **OTHER CROP INCOME MAY INCLUDE A PROPORTION OF DIVERTED ACRE INCOME

TABLE 10 - CROP DATA FOR CANNING CORN AND CANNING PEAS AND BARLEY - 1986							
			0211 CANNING CORN AVERAGE OF 23 FARMS	0340 CANNING PEAS AVERAGE OF 28 FARMS	0055 BARLEY AVERAGE 21FARMS		
1 2 3 4 5	ACRES YIELD VALUE PER PRODUCTION UNIT CROP PRODUCT RETURN OTHER CROP INCOME	\$	62.6 219.55 1.00 219.55 2.46	42.1 173.09 1.00 173.09 1.62	22.8 53.7 1.28 68.77 22.59		
6	TOTAL CROP RETURN	\$	222.01	174.71	91.36		
7 8 9 10	DIRECT COSTS FERTILIZER CHEMICALS SEED	\$	30.96 25.50 3.16	11.95 3.56 1.02	4.91 .48 7.85		
10A 10B 11 12 13	CROP DRYING OTHER EXPENSE SPECIAL HIRED LABOR CUSTOM WORK HIRED		3.99 8.24	7.53 .57 3.35	.61 8.77		
$\frac{13}{14}$	IRRIGATION OPERATION TOTAL DIRECT COSTS	\$	71.85	27.98	22.62		
15	RETURN OVER DIRECT COSTS (6-14)	\$	150.16	146.73	68.74		
16 17 18 19 20 21	ALLOCATED COSTS (DIRECT & FIXED) FARM POWER & MACHINERY-OWNERSHIP FARM POWER & MACHINERY-OPERATION IRRIGATION EQUIPMENT-OWNERSHIP LAND COSTS MISCELLANEOUS COSTS *INTEREST ON MACH. & EQUIP. INVESTME	\$ NT	14.65 18.90 70.70 6.01	10.53 16.64 66.43 4.15	10.06 14.86 63.48		
23 24	TOTAL ALLOCATED COSTS RETURN OVER ALL LISTED COSTS (6-31)	\$ \$	110.26 39.90	97.75 48.98	91.22 (-22.48)		
25 26 27 28 29 30 30A 31	SUPPLEMENTARY MANAGEMENT INFORMATION WORK UNITS ASSIGNED PER ACRE POWER COST ALLOCATION FACTOR TOTAL LISTED COST PER UNIT OF PROD. RETURN OVER LISTED COSTS PER UNIT BREAKEVEN YIELD/UNIT OF PRODUCTION ESTIMATED TOTAL MACHINE COST/ACRE TOTAL LISTED COSTS PER ACRE(14+23		.50 .98 .83 .18 182.11 45.06 182.11	.40 .97 .73 .28 125.73 33.55 125.73	.30 1.00 2.12 (42) 88.94 33.59 113.84		
32 33 33A 34 35	OTHER POSSIBLE COSTS NOT LISTED UTILITIES & OTHER GENERAL FARM EXP. BUILDINGS, FENCES & TILING COSTS INTEREST ALLOCATION OTHER COSTS NOT LISTED	\$	7.27	4.21	3.68		
.50	TOTAL COSTS			· · · · · ·			
39 40	AVERAGE PRICE RECVD. PER UNIT SOLD QUANTITY SOLD (OPERATORS SHARE)	\$					

*DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18, & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA

TABLE 10 - CROP DATA FOR CORN, GRAIN - 0222 -1986

	E 10 - CROP DATA FOR CORN, GRAIN - UZZZ		AVERAGE OF 363 FARMS	73 FARMS HIGHEST IN RET. OVER DIR. COSTS	73 FARMS LOWEST IN RET. OVER DIR. COSTS
1	ACRES		168.5	178.9	140.2
2	YIELD		138.0	154.7	127.8
3	VALUE PER PRODUCTION UNIT		1.72	1.74	1.69
4	CROP PRODUCT RETURN	\$	237.35	269.23	216.05
_5	OTHER CROP INCOME **		47.95	64.02	20.66
6	TOTAL CROP RETURN	\$	285.30	333.25	236.71
7	DIRECT COSTS				
8	FERTILIZER	\$	35.54	34.56	35.41
9	CHEMICALS		22.52	22.22	22.77
10	SEED		21.39	21.65	20.75
10A	CROP DRYING		14.30	12.52	20.03
10B	OTHER EXPENSE		7.37	5.50	11.44
11	SPECIAL HIRED LABOR		.19	•54	.03
12	CUSTOM WORK HIRED		7.79	2.28	18.71
13	IRRIGATION OPERATION		.05	2.20	.29
14	TOTAL DIRECT COSTS	\$	109.15	99.27	129.43
15	RETURN OVER DIRECT COSTS (6-14)	\$	176.15	233.98	107.28
16	ALLOCAMINE COCING (PERFORM & REVERS)				•
17	ALLOCATED COSTS (DIRECT & FIXED)	_	00.50	00.01	
	FARM POWER & MACHINERY-OWNERSHIP	\$	23.59	26.91	22.12
18	FARM POWER & MACHINERY-OPERATION		25.72	25.82	26.42
19	IRRIGATION EQUIPMENT-OWNERSHIP				
20	LAND COSTS		65.24	66.60	60.81
21	MISCELLANEOUS COSTS		. 62	. 56	
<u>2'2</u>	*INTEREST ON MACH. & EQUIP. INVESTMENT		6.04	7.33	4.71
23	TOTAL ALLOCATED COSTS	\$	121.21	127.22	114.06
24	RETURN OVER ALL LISTED COSTS (6-31)	\$	54.94	106.76	(-6.78)
25	SUPPLEMENTARY MANAGEMENT INFORMATION				
26	WORK UNITS ASSIGNED PER ACRE		• 55	•55	•55
27	POWER COST ALLOCATION FACTOR		1.01	.99	1.03
28	TOTAL LISTED COST PER UNIT OF PROD.		1.67	1.46	1.90
29	RETURN OVER LISTED COSTS PER UNIT		. 40	.69	(05)
30	BREAKEVEN YIELD/UNIT OF PRODUCTION		133.93	130.17	
30A	ESTIMATED TOTAL MACHINE COST/ACRE		60.55		
31	TOTAL LISTED COSTS PER ACRE(14+23)	Ś		226.49	
32	OTHER POSSIBLE COSTS NOT LISTED	т .	250.50	<i>240</i> • ₹2	2-1J. 1J
33	UTILITIES & OTHER GENERAL FARM EXP.	Ś	6.15	5.55	6.38
33A	BUILDINGS, FENCES & TILING COSTS	~	0.13	3.33	0.30
34	INTEREST ALLOCATION				<u></u>
35	OTHER COSTS NOT LISTED				
36	TOTAL COSTS NOT LISTED				
39	AVERAGE PRICE RECVD. PER UNIT SOLD	¢	1.93	2.09	1.88
40	QUANTITY SOLD (OPERATORS SHARE)	Y	11136 BU	13526 BU	1.88 4945 BU

^{*}DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18 & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA **OTHER CROP INCOME MAY INCLUDE A PROPORTION OF DIVERTED ACRE INCOME

TABLE 10 - CROP DATA FOR SOYBEANS - 0291 - 1986

	22 10 CROL DAILY LOW DOLDHAND 0231	1300			
				57 FARMS	57 FARMS
			AVERAGE	HIGHEST IN	LOWEST IN
			OF 286	OVER DIR.	OVER DIR.
			FARMS	COSTS	COSTS
1	ACRES		119.9	135.3	68.6
2	YIELD		38.5	44.9	30.9
3	VALUE PER PRODUCTION UNIT		4.51	4.51	4.50
4	CROP PRODUCT RETURN	\$	173.44	202.50	139.01
, 5	OTHER CROP INCOME	·	3.81	6.08	2.04
6	TOTAL CROP RETURN	\$	177.25	208.58	141.05
		•			111103
7 .	DIRECT COSTS				
8	FERTILIZER	\$	1.73	1.79	2.45
9.	CHEMICALS	т	21.68	19.93	23.94
10	SEED		9.31	8.60	10.26
10A	CROP DRYING		.62	.31	.63
10B	OTHER EXPENSE		10.63	8.65	
11	SPECIAL HIRED LABOR		.53		13.38
12	CUSTOM WORK HIRED			.58	.51
13	IRRIGATION OPERATION		4.73	2.71	15.47
$\frac{13}{14}$	TOTAL DIRECT COSTS		40.00	40 67	ec ch
14	TOTAL DIRECT COSTS	\$	49.23	42.57	66.64
15	RETURN OVER DIRECT COSTS (6-14)	ċ	100.00	166.01	~ A 47
13	RETURN OVER DIRECT COSTS (6-14)	\$	128.02	166.01	74.41
16	ALLOCATION COCTIC (DIDEOTI : DIXID)				
17	ALLOCATED COSTS (DIRECT & FIXED)	4	10.70	01	
	FARM POWER & MACHINERY-OWNERSHIP	\$	18.70	21.51	12.25
18	FARM POWER & MACHINERY-OPERATION		20.42	20.24	19.10
19	IRRIGATION EQUIPMENT-OWNERSHIP				
20	LAND COSTS		64.19	67.46	57.26
21	MISCELLANEOUS COSTS		.08		
22	*INTEREST ON MACH. & EQUIP. INVESTMEN		4.72	5.06	3.68
23	TOTAL ALLOCATED COSTS	\$	108.11	114.27	92.30
24	RETURN OVER ALL LISTED COSTS (6-31)	\$	19.91	51.74	(-17.89)
<i>2</i> _					
25	SUPPLEMENTARY MANAGEMENT INFORMATION				
26	WORK UNITS ASSIGNED PER ACRE		. 45	.45	.45
27	POWER COST ALLOCATION FACTOR		1.00	1.00	1.03
28	TOTAL LISTED COST PER UNIT OF PROD.		4.09	3.49	5.15
29	RETURN OVER LISTED COSTS PER UNIT		•52	1.15	(58)
30	BREAKEVEN YIELD/UNIT OF PRODUCTION		34.89	34.78	35.32
30A	ESTIMATED TOTAL MACHINE COST/ACRE		46.99	48.62	45.35
31	TOTAL LISTED COSTS PER ACRE(14+23	3)\$		156.84	158.94
32	OTHER POSSIBLE COSTS NOT LISTED	, ,	20.001	130.01	130.74
33	UTILITIES & OTHER GENERAL FARM EXP.	\$	5.00	8.19	5.26
33A	BUILDINGS, FENCES & TILING COSTS	~	J. 00	0.17	J. 20
34	INTEREST ALLOCATION				
35	OTHER COSTS NOT LISTED				
36	TOTAL COSTS				
39	AVERAGE PRICE RECVD. PER UNIT SOLD	Ċ	1 60	4 (2	A C1
40		\$	4.68	4.63	4.61
40	QUANTITY SOLD (OPERATORS SHARE)		3487 BU	4699 BU	1867 BU

*DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18 & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA

TABLE 10 - CROP DATA FOR ALFALFA HAY - 0401 - 1986

IAD	DE TO CHOP DATA FOR ALFALFA DAT - 0401	- 19	AVERAGE OF 248	50 FARMS HIGHEST IN	50 FARMS LOWEST IN
			FARMS	RETURN OVER DIR.	RETURN OVER DIR.
			* * * * * * * * * * * * * * * * * * * *	COSTS	COSTS
1	ACRES		51.1	33.8	41.0
2	YIELD		4.3	5.4	2.7
3	VALUE PER PRODUCTION UNIT		41.74	43.40	39.68
4	CROP PRODUCT RETURN	\$	179.48	236.34	107.41
5	OTHER CROP INCOME **	т	16.56	114.35	.17
6	TOTAL CROP RETURN	\$	196.04	350.69	107.58
_		•			107.50
7	DIRECT COSTS				
8	FERTILIZER	\$	9.65	10.30	8.07
9	CHEMICALS		. 39	.71	.46
10	SEED		12.27	13.46	15.22
10A	CROP DRYING		. 29	.12	.63
10B	OTHER EXPENSE		4.07	4.35	4.10
11	SPECIAL HIRED LABOR		.27	.33	.32
12	CUSTOM WORK HIRED		5.24	4.23	8.22
13	IRRIGATION OPERATION		3,21	1.23	0.22
14	TOTAL DIRECT COSTS	\$	32.18	33.50	37.02
15	RETURN OVER DIRECT COSTS (6-14)	\$	163.86	317.19	70.56
16	ALLOCATED COSTS (DIRECT & FIXED)				
17	FARM POWER & MACHINERY-OWNERSHIP	\$	25.00	22 52	22.01
18	FARM POWER & MACHINERY-OPERATION	Ÿ	28.66	22.52	22.01
19	IRRIGATION EQUIPMENT-OWNERSHIP		40.00	29.28	24.80
20	LAND COSTS		62.02	(3.34	70.00
21	MISCELLANEOUS COSTS		63.02	63.34	60.00
22	*INTEREST ON MACH. & EQUIP. INVESTMEN	TP .	6.76	7.22	5.24
23	TOTAL ALLOCATED COSTS	\$	123.44	122.36	112.05
24	RETURN OVER ALL LISTED COSTS (6-31)	\$	40.42	194.83	(-41.49)
25	SUPPLEMENTARY MANAGEMENT INFORMATION				
26	WORK UNITS ASSIGNED PER ACRE		.60	.60	-60
27	POWER COST ALLOCATION FACTOR	- 7	. 98	1.02	.96
28	TOTAL LISTED COST PER UNIT OF PROD.	-	36.19	28.86	55 .0 6
29			9.40	36,08	(-15.32)
30	BREAKEVEN YIELD/UNIT OF PRODUCTION		3.74	3.59	3.81
30A	BREAKEVEN YIELD/UNIT OF PRODUCTION ESTIMATED TOTAL MACHINE COST/ACRE	-	63.92	61.84	57.53
31	TOTAL LISTED COSTS PER ACRE(14+23)\$	155.62	155.86	149.07
32	OTHER POSSIBLE COSTS NOT LISTED		•		
33	UTILITIES & OTHER GENERAL FARM EXP.	\$	7.23	5.40	7.46
33A	BUILDINGS, FENCES & TILING COSTS	•	. -		
34	INTEREST ALLOCATION				
35	OTHER COSTS NOT LISTED			440 440 EE 440 EE	
36	TOTAL COSTS				
39	AVERAGE PRICE RECVD. PER UNIT SOLD	\$	42.71	67.08	43.42
40	QUANTITY SOLD (OPERATORS SHARE)	•	7.1 TON	2.4 TON	8.1 TON
			,	2.7 101	O.T TOW

*DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18 & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMUAL **OTHER CROP INCOME MAY INCLUDE A PROPORTION OF DIVERTED ACRE INCOME

TABLE 10 - CROP DATA FOR CORN SILAGE - 0720 - 1986

TABL	E 10 - CROP DATA FOR CORN SILAGE - 0720	- 198			
			AVERAGE	29 FARMS	29 FARMS
			OF 145	HIGHEST IN	LOWEST IN
			FARMS	RETURN	RETURN
				OVER DIR.	OVER DIR.
				COSTS	COSTS
1	ACRES		18.8	20.9	18.1
2	YIELD		18.3	21.3	16.9
3	VALUE PER PRODUCTION UNIT		14.90	15.00	14.52
4	CROP PRODUCT RETURN	\$	272.52	319.41	244.70
		Ą		59.14	7.35
5	OTHER CROP INCOME **	<u> </u>	24.57	378.55	
6	TOTAL CROP RETURN	\$	297.09	3/8.55	252.05
_	PERFORM GOODS				
7	DIRECT COSTS		20.10	05.04	22 50
8	FERTILIZER	\$	32.18	26.84	33.59
9	CHEMICALS		20.74	20.53	19.89
10	SEED		20.32	19.57	20.11
10A	CROP DRYING		. 37	.19	1.10
10B	OTHER EXPENSE		4.52	4.98	1.93
11	SPECIAL HIRED LABOR		.11		.33
12	CUSTOM WORK HIRED		9.31	7.27	16.52
13	IRRIGATION OPERATION		3.02		
$\frac{13}{14}$	TOTAL DIRECT COSTS	\$	87.55	79.38	93.47
14	TOTAL DIRECT CODID	Υ .	07.33	,,,,,,	33.17
15	RETURN OVER DIRECT COSTS (6-14)	\$	209.54	299.18	158.58
, 13	THIOM OVER BITTEET CODID (O 11)	٠.	203.31	233,10	130.30
16	ALLOCATED COSTS (DIRECT & FIXED)				
17.	FARM POWER & MACHINERY-OWNERSHIP	\$	24.99	28.04	23.22
	FARM POWER & MACHINERY-OPERATION	: Y	30.65	30.68	26.65
18			. 20•ô2	30.00	20.03
19	IRRIGATION EQUIPMENT-OWNERSHIP		C4 00	CE 20	66 02
20	LAND COSTS		64.88	65.38	66.03
21	MISCELLANEOUS COSTS	_	6 00	0.55	6 00
22	*INTEREST ON MACH. & EQUIP, INVESTMEN			8.57	6.03
	TOTAL ALLOCATED COSTS	\$	127.34	132.67	121.93
24	RETURN OVER ALL LISTED COSTS (6-31)	, \$	87.20	166.51	36.65
25	SUPPLEMENTARY MANAGEMENT INFORMATION		es est	and the second second	
26.	WORK UNITS ASSIGNED PER ACRE		.60	.60	.60
27 . "	POWER COST ALLOCATION FACTOR		1.00	1.00	1.00
28	TOTAL LISTED COST PER UNIT OF PROD.		11.74	9.96	12.78
29	RETURN OVER LISTED COSTS PER UNIT		4.49	7.82	2.18
	BREAKEVEN YIELD/UNIT OF PRODUCTION		14.42	14.14	14.83
	ESTIMATED TOTAL MACHINE COST/ACRE		68.67	72.14	66.92
	TOTAL LISTED COSTS PER ACRE(14			212.05	215.40
$\frac{31}{32}$	OTHER POSSIBLE COSTS NOT LISTED	112314			213.40
		ċ	7 27	5.46	7 70
33	UTILITIES & OTHER GENERAL FARM EXP.	Ą	7.37	3.40	7.79
33A	BUILDINGS, FENCES & TILING COSTS				
34	INTEREST ALLOCATION				
<u>35</u>	OTHER COSTS NOT LISTED				
36	TOTAL COSTS				
39	AVERAGE PRICE RECVD. PER UNIT SOLD	\$			
40	QUANTITY SOLD (OPERATORS SHARE)				

^{*}DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT

^{**}OTHER CROP INCOME MAY INCLUDE A PROPORTION OF DIVERTED ACRE INCOME

TABLE 10 - CROP DATA FOR GRAIN SILAGE - 0750 - 1986

		AVERAGE OF 29 FARMS	14 FARMS HIGHEST IN RETURN OVER DIR. COSTS	14 FARMS LOWEST IN RETURN OVER DIR. COSTS
ACRES		28.4	30.0	27.7
YIELD		6.2	9.7	2.5
VALUE PER PRODUCTION UNIT		16.62	14.79	18.57
CROP PRODUCT RETURN	\$	103.59	142.97	45.60
OTHER CROP INCOME **	Т	36.23	71.10	43.00
TOTAL CROP RETURN	\$	139.82	214.07	45.60
DIRECT COSTS				
FERTILIZER	\$	7.12	1.46	12.53
CHEMICALS	т	.43	1.40	.90
SEED		13.63	6.97	20.00
A CROP DRYING		13.03	0.57	20.00
B OTHER EXPENSE		. 25	.21	.32
SPECIAL HIRED LABOR		• 4.5	•21	• 32
CUSTOM WORK HIRED		1.69	.56	2.96
IRRIGATION OPERATION		1.07	• 20	2.90
TOTAL DIRECT COSTS	\$	23.12	9.20	36.71
RETURN OVER DIRECT COSTS (6-14)	\$	116.70	204.87	8.89
ALLOCATED COSTS (DIRECT & FIXED)				
FARM POWER & MACHINERY-OWNERSHIP	\$	15.19	16.86	12.30
FARM POWER & MACHINERY-OPERATION	,	21.42	23.39	19.24
IRRIGATION EQUIPMENT-OWNERSHIP			23.37	17.24
LAND COSTS		63.41	63.07	62.57
MISCELLANEOUS COSTS		03.11		02.57
*INTEREST ON MACH. & EQUIP. INVESTMENT	Т	4.41	5.00	3.51
TOTAL ALLOCATED COSTS	\$	104.43	108.32	97.62
RETURN OVER ALL LISTED COSTS (6-31)	\$	12.27	96.55	(-88.73)
SUPPLEMENTARY MANAGEMENT INFORMATION	т.	1202/	30.33	(00.75)
WORK UNITS ASSIGNED PER ACRE		.40	.40	.40
POWER COST ALLOCATION FACTOR		.97	.93	1.00
TOTAL LISTED COST PER UNIT OF PROD.		20.62	12.00	54.72
RETURN OVER LISTED COSTS PER UNIT		2.47	10.85	(-36.15)
BREAKEVEN YIELD/UNIT OF PRODUCTION		7.92	8.57	7.23
ESTIMATED TOTAL MACHINE COST/ACRE		42.15	45.62	37.02
TOTAL LISTED COSTS PER ACRE(14+23)\$	127.55	117.52	134.33
OTHER POSSIBLE COSTS NOT LISTED	, ,		111076	104.00
UTILITIES & OTHER GENERAL FARM EXP.	Ś	5.78	4.19	6.79
BUILDINGS, FENCES & TILING COSTS	т	3.70	4• 17	0.73
INTEREST ALLOCATION				
OTHER COSTS NOT LISTED				
UTILITIES BUILDINGS INTEREST OTHER CO	S & OTHER GENERAL FARM EXP. S, FENCES & TILING COSTS ALLOCATION	S & OTHER GENERAL FARM EXP. \$ 5, FENCES & TILING COSTS ALLOCATION OSTS NOT LISTED L COSTS	S & OTHER GENERAL FARM EXP. \$ 5.78 S, FENCES & TILING COSTS ALLOCATION DSTS NOT LISTED L COSTS	S & OTHER GENERAL FARM EXP. \$ 5.78 4.19 S, FENCES & TILING COSTS ALLOCATION OSTS NOT LISTED L COSTS

39 AVERAGE PRICE RECVD. PER UNIT SOLD \$
40 QUANTITY SOLD (OPERATORS SHARE)

^{*}DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18 & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA **OTHER CROP INCOME MAY INCLUDE A PROPORTION OF DIVERTED ACRE INCOME

TABLE 10 - CROP DATA FOR LEGUME AND NON-TILL. PASTURE - 1986

			0810	0860
			LEGUME	NON-TILL
			PASTURE	PASTURE
			AVERAGE	AVERAGE
			OF 31	OF 74
			FARMS	FARMS
			1711110	Trucio
1 .	ACRES		19.9	44.5
2	YIELD		46.03	18.67
3	VALUE PER PRODUCTION UNIT		1.00	.97
4	CROP PRODUCT RETURN	\$	46.03	18.11
5	OTHER CROP INCOME	Ÿ	40.03	.02
6	TOTAL CROP RETURN	\$	46.03	18.13
U	TOTAL CROP RETURN	Ą	40.03	10.13
7	DIRECT COSTS			
8	FERTILIZER	\$	6.39	.54
9	CHEMICALS	т	. 41	.09
10	SEED		.72	.05
10A	CROP DRYING		• 12	•03
10B	OTHER EXPENSE		.05	.05
11	SPECIAL HIRED LABOR		•05	•05
				30
12	CUSTOM WORK HIRED		.57	.30
13	IRRIGATION OPERATION			
14	TOTAL DIRECT COSTS	\$	8.14	1.03
15	RETURN OVER DIRECT COSTS (6-14)	\$	37.89	17.10
15 .	RETURN OVER DIRECT COSTS (0-14)	Ą	31.69	17.10
16	ALLOCATED COSTS (DIRECT & FIXED)			
17	FARM POWER & MACHINERY-OWNERSHIP	\$	2.07	43
18	FARM POWER & MACHINERY-OPERATION	Y	2.20	. 4.5 .A.A
19	IRRIGATION EQUIPMENT-OWNERSHIP		2.20	
20	LAND COSTS		53.48	27.81
21	MISCELLANEOUS COSTS		23.40	27.01
		.	6 7	4.4
22 23	*INTEREST ON MACH. & EQUIP. INVESTMEN		.53	28.79
23 24	TOTAL ALLOCATED COSTS	\$	58.28	(-11.69)
24	RETURN OVER ALL LISTED COSTS (6-31)	\$	(-20.39)	(-11 . 05)
25	SUPPLEMENTARY MANAGEMENT INFORMATION			
26	WORK UNITS ASSIGNED PER ACRE		• 05	.01
27	POWER COST ALLOCATION FACTOR		.77	.88
28	TOTAL LISTED COST PER UNIT OF PROD.		1.41	1.54
29	RETURN OVER LISTED COSTS PER UNIT			
			(41)	(- .57)
30	BREAKEVEN YIELD/UNIT OF PRODUCTION			32.41
30A	ESTIMATED TOTAL MACHINE COST/ACRE		5.18	1.18
31	TOTAL LISTED COSTS PER ACRE(14+23	5)\$	66.42	29.82
32	OTHER POSSIBLE COSTS NOT LISTED	_		
33	UTILITIES & OTHER GENERAL FARM EXP.	Ş	.69	.12
33A	BUILDINGS, FENCES & TILING COSTS			
34	INTEREST ALLOCATION			gang darks depth gants deller man
35	OTHER COSTS NOT LISTED			
36	TOTAL COSTS			
39	AVERAGE PRICE RECVD. PER UNIT SOLD	\$		
40	QUANTITY SOLD (OPERATORS SHARE)			

*DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13,17,18 & 21 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA

TABI	E 10 - CROP DATA FOR SET ASIDE ACRES AND	LAND	RENTED OUT -	1986
			1994	1997
			SET ASIDE	LAND RENTED
			ACRES	AVERAGE
			AVERAGE OF	OF
			296 FARMS	19 FARMS
1	ACRES		47.2	49.2
2	YIELD		287.78	57.2
3	VALUE PER PRODUCTION UNIT		1.00	1.00
4	CROP PRODUCT RETURN	\$	287.78	57.17
5	OTHER CROP INCOME	Ą		
6	TOTAL CROP RETURN	\$	37.69 325.47	5.85 63.02
U	TOTAL CROP RETURN	ې ا	323.47	03.02
7	DIRECT COSTS			
8	FERTILIZER	\$	1.37	
9	CHEMICALS		.89	. 04
10	SEED		4.29	• • •
10A	CROP DRYING			
10B	OTHER EXPENSE		. 83	
11	SPECIAL HIRED LABOR		, .08	
12	CUSTOM WORK HIRED		1.49	
13	IRRIGATION OPERATION		1.47	
$\frac{13}{14}$	TOTAL DIRECT COSTS	\$	8.96	.04
15	RETURN OVER DIRECT COSTS (6-14)	\$ \$	316.51	62.98
10	RETORN OVER DIRECT COSTS (0-14)	Ą	210.21	02.90
16	ALLOCATED COSTS			
17	FARM POWER & MACHINERY-OWNERSHIP	\$	8.42	3.18
18	FARM POWER & MACHINERY-OPERATION	Ą	9.09	2.97
19	IRRIGATION EQUIPMENT-OWNERSHIP		9.09	2.97
20	LAND COSTS		64.90	61.68
21	MISCELLANEOUS COSTS		04.50	01.00
22	*INTEREST ON MACH. & EQUIP. INVESTMEN	ידע	2.14	70
23				.79
	TOTAL ALLOCATED COSTS	\$	84.55	68.62
24	RETURN OVER ALL LISTED COSTS (6-31)	\$	231.96	(-5.64)
25	SUPPLEMENTARY MANAGEMENT INFORMATION			
26	WORK UNITS ASSIGNED PER ACRE		.20	.05
27	POWER COST ALLOCATION FACTOR		.98	.89
28	TOTAL LISTED COST PER UNIT OF PROD.		.37	1.20
29	RETURN OVER LISTED COSTS PER UNIT		.91	(10)
30	BREAKEVEN YIELD/UNIT OF PRODUCTION		83.49	68.66
30A	ESTIMATED TOTAL MACHINE COST/ACRE		20.64	6.94
31	TOTAL LISTED COSTS PER ACRE(14+23	16	93.51	68.66
32	OTHER POSSIBLE COSTS NOT LISTED	77	93.31	00.00
33	UTILITIES & OTHER GENERAL FARM EXP.	ċ	2.26	4.4
33A		\$	2.26	.44
	BUILDINGS, FENCES & TILING COSTS			
34	INTEREST ALLOCATION			
35 36	OTHER COSTS NOT LISTED			
	TOTAL COSTS	Ċ	tory cale after task with Wills	*** *** *** *** *** *** *** *** *** **
39	AVERAGE PRICE RECVD. PER UNIT SOLD	\$		
40	QUANTITY SOLD (OPERATORS SHARE)			

*DOES NOT INCLUDE INTEREST ON INVESTMENT IN IRRIGATION EQUIPMENT LINES 13, 17, 18 & 22 WERE ALLOCATED TO THIS CROP BY SPECIAL FORMULA

EXPLANATION OF LIVESTOCK TABLES

Productive livestock enterprises are an important part of the farm business in all but a few of the farms involved in this report. Tables 11 through 16A pertain to the major livestock enterprises.

In calculating the Total Return for the enterprise, the inventory change, purchase and sale of livestock, value of animals butchered, products sold and products used in the home are considered in order to arrive at the Total Income or Total Return for the enterprise. Total Return is divided by hundred weights or number of head to get a per unit figure for comparison. An example of this calculation is shown below for farrow to finish hogs on the opposite page.

Enterprise Inflow:	Weight	<u>Value</u>
Beginning Inventory 699 head @ 122 lbs. each = Purchased 22 head @ 128 lbs. each =	85,357 lbs. 2,822 lbs. 88,179 lbs.	4,074
Enterprise Outflow:	00,175 100.	Ψ 30 , 737
Ending Inventory 650 head @ 129 lbs. each =	83,850 lbs.	\$ 41,800
Hogs sold 1064 head @ 247 lbs. each =	262,808 lbs.	133,296
Hogs Butchered 3 head @ 220 lbs. each =	660 lbs.	330
Total Production $=$	347,318 lbs.	\$ 175,426
Minus inflow of Beg. Inv. & Purchases $_$	-88,179 lbs.	-38 , 797
Net Production =	259,139 lbs.	\$ 136,629

\$136,629 (net value) divided by 2591.39 cwts. (net lbs. prod.) = \$52.72/cwt. (net increase in value/cwt)

Since feed is the largest single item of cost for all classes of livestock, Return Above Feed Costs has been used to classify farms into high, low and average return groups.

Feed Costs are determined from feed records kept by the farm operator. Purchase price is used for all feeds purchased off the farm. An average price is charged for each kind of farm grown feed. Farm grown feed prices are listed on Table 7.

Direct Cost items are relatively easy to identify and classify in the record book and are listed in each of the tables as costs to the livestock enterprises. The Return Over Feed and Other Direct Costs is the amount available after paying for the feed and those cost items listed.

Allocated costs are expenses for power and machinery, livestock equipment, buildings and fences. They are proportioned to each livestock enterprise by the use of the work unit. The farmer may modify these costs by assigning a specific cost allocation factor for each livestock enterprise.

Other possible costs not included in the "Total Listed Costs per Unit Of livestock" are utilities and other general farm expenses. A proportionate share of these total expenses have been assigned to each livestock enterprise by the use of the work unit value.

TABLE 11A - HOGS, FARROW, FINISH, ALL FARMS 6470 - 1986

TABLE	ITA - HOGS, FARROW, FINISH, ALL FARMS	64/0 - 1986			
				13 FARMS	13 FARMS
			· AVERAGE	HIGH IN	LOW IN
			OF 65	RETURN	
					RETURN
_			FARMS	ABOVE FEED	ABOVE FEED
1 POUN	NDS OF HOGS PRODUCED		259139	275022	120306
			PER	HUNDRED WEIGHT	
2 NET	VALUE PRODUCED - HOGS	\$	52.72	54.96	48.61
		Υ	32.12	34.90	40.01
	R MISCELLANEOUS HOG INCOME				
4	TOTAL VALUE PRODUCED	\$	52.72	54.96	48.61
5 POUN	NDS OF FEED FED				
6	CORN		314.4	303.1	352.0
7	SMALL GRAIN				
			3.5	4.4	7.4
8	COMPLETE RATION		4.3	4.4	.8
9	PROTEIN, SALT & MINERAL & MILK		86.0	76.7	105.0
10	TOTAL CONCENTRATES		408.02	388.6	465.2
11	FORAGES		.1	.4	103,2
12 FEED			• 1	• 4	
13	GRAINS		10.25	10.11	11.23
14	COMPLETE RATION		. 62	.62	.13
15	PROTEIN, SALT & MINERAL & MILK		11.57	9.63	14.36
16	FORAGES		11.57		14.50
				.01	
17	PASTURE				.01
18	TOTAL FEED COSTS	\$	22.44	20.35	25.73
19 RETU	IRN OVER FEED COSTS	\$	30.28	34.61	22.88
	R DIRECT COSTS	۲	30.20	34.01	22.00
21	MISCELLANEOUS LIVESTOCK EXPENSE		.99	1.32	.74
22	VETERINARY EXPENSE		.98	.84	.42
23	CUSTOM HAULING, MRKTG, GRINDING, ETC.		.34	.27	•58
24	SPECIAL HIRED LABOR	•			
		<u> </u>	.04	.06	.19
25	TOTAL OTHER DIRECT COSTS	\$	2.35	2.49	1.93
26 RETU	RN OVER FEED & OTHER DIRECT COSTS	\$	27.93	32.12	20.95
		•	,,		20.33
27 7110	CATED COSTS				
28	POWER & MACHINERY COSTS		1.16	1.22	1.06
29	LIVESTOCK EQUIPMENT COSTS		1.29	1.42	1.52
30	BUILDING & FENCES		2.57	2.25	2.20
31	TOTAL ALLOCATED COSTS	\$			
31	TOTAL ALLOCATED COSTS	ې	5.02	4.89	4.78
32 RETU	RN OVER ALL LISTED COSTS	\$	22.91	27.23	16.17
33 SUPP	LEMENTARY MANAGEMENT INFORMATION				
34	RETURN FOR \$100 FEED FED		231 06	270 07	100 01
35	LEMENTARY MANAGEMENT INFORMATION RETURN FOR \$100 FEED FED PRICE RECEIVED PER CWI. ALL ANIMALS		434.30	2/U•U/	100.71
33	PRICE RECEIVED PER CWI. ALL ANIMALS		50./2	51.04	48.49
36	PRICE RECEIVED PER CWT. SOLD MKT. ONI	ĽΥ	51.77	51.43	54.43
37	NUMBER OF LITTERS FARROWED		151	175	71
37A	LITTERS/BEARING FEMALE/YFAR		1 9	1.7	1 7
38	NIMBER OF DICC RODN DED ITHINED		0.6	0.0	1.1
20	MANDED OF DIGG CERTAINS TO THE MANDED OF DIGG CERTAINS		9.0	9.9	9.9
39	NOMBER OF FIGS WEARED PER LITTER		/.4	7.5	7.0
39A	NUMBER OF PIGS PRODUCED/LITTER		7.0	7.3	6.4
40	PERCENT DEATH LOSS		17.3	17.9	22.8
41	AVERAGE WEIGHT OF ALL HOGS SOLD		247 6	235 3	249 9
42	WALDYCE METCHE OF WALL TOOK COLD		237.0	233.3	240.0
42	AVERAGE WEIGHT OF MAT. HOGS SOLD		ZZ9.5	221.1	215.3
43	PRICE PER CWI'. CONCENTRATE FED		5.50	5.23	5 . 53
44	PRICE PER CWT. PROTEIN, SALT & MINERA	ΛL	13.45	12.56	13.67
45	POUNDS OF PORK PURCHASED		2822	3666	1106
46	THE TOTAL TOTAL PODE PROPERTY OF THE PROPERTY OF TOTAL POLICE PROPERTY OF THE	Ċ	2044	2000	1100
47	TILL LOID COOLD PER CWI. PORK PROD.	, Ģ	29.81	21.13	32.44
47	UTILITIES & OTHER GENERAL FARM EXP.	Ş	1.68	1.41	1.60
48	INTEREST ALLOCATION				
	LEMENTARY MANAGEMENT INFORMATION RETURN FOR \$100 FEED FED PRICE RECEIVED PER CWT. ALL ANIMALS PRICE RECEIVED PER CWT. SOLD MKT. ONI NUMBER OF LITTERS FARROWED LITTERS/BEARING FEMALE/YEAR NUMBER OF PIGS BORN PER LITTER NUMBER OF PIGS WEANED PER LITTER NUMBER OF PIGS PRODUCED/LITTER PERCENT DEATH LOSS AVERAGE WEIGHT OF ALL HOGS SOLD AVERAGE WEIGHT OF MKT. HOGS SOLD PRICE PER CWT. CONCENTRATE FED PRICE PER CWT. PROTEIN, SALT & MINERA POUNDS OF PORK PURCHASED TIL LSTD COSTS PER CWT. PORK PROD. UTILITIES & OTHER GENERAL FARM EXP. INTEREST ALLOCATION				
49	OTHER COSTS NOT LISTED				
50	MOMAT GOOD NOT DISTED				
20	TOTAL COST				

TABLE 11A - HOGS, MIXED SYSTEMS - 6530 - 1986

TABLE 11A - HOGS, MIXED SYSTEMS - 6530 - 1986			- · · · · · · · · · · · · · · · · · · ·
		14 FARMS	14 FARMS
	AVERAGE	HIGH IN	LOW IN
	OF 42	RETURN	RETURN
	FARMS	ABOVE FEED	ABOVE FEED
1 POUNDS OF HOGS PRODUCED	172713	183420	171250
		PER HUNDRED	WEIGHT
2 NET VALUE PRODUCED - HOGS	52.76	59.02	45.21
3 OTHER MISCELLANEOUS HOG INCOME \$.02		
4 TOTAL VALUE PRODUCED	52.78	59.02	45.21
5 POUNDS OF FEED FED			
6 CORN	303.4	303.9	277.8
7 SMALL GRAIN	5.1	7.0	4.8
O COMPLETE DATEON	16.5	5.4	31.0
9 PROTEIN, SALT & MINERAL & MILK	78.6	77.5	74.5
10 TOTAL CONCENTRATES	403.6	393.8	388.1
11 FORAGES	1.8	.8	.5
12 FEED COST	1.0	•0	• 3
13 GRAINS	9.89	9.96	9.09
14 COMPLETE RATION	2.06	.66	4.07
15 PROTEIN, SALT & MINERAL & MILK	10.42	10.95	9.70
16 FORAGES	.05	.02	.02
17 PASTURE	.08	• 02	•02
		21.59	22.88
18 TOTAL FEED COSTS	22.50	21.59	22.00
10 DENIEDA OVED ELED COCKO	20.20	27 42	. 22 33
19 RETURN OVER FEED COSTS	30.28	37.43	22.33
20 OTHER DIRECT COSTS		1 07	0.0
21 MISCELLANEOUS LIVESTOCK EXPENSE	1.13		.90
22 VETERINARY EXPENSE	1.08		.82
23 CUSTOM HAULING, GRINDING, MARKETING ETC.	. 57	.17	.47
24 SPECIAL HIRED LABOR			
25 TOTAL OTHER DIRECT COSTS	2.78	2.75	2.19
25 TOTAL OTHER DIRECT CODID	2.7.0	2.13	2.13
26 RETURN OVER FEED & OTHER DIRECT COSTS	27.50	34.68	20.14
27 ALLOCATED COSTS	27.50	34.00	20.14
28 POWER & MACHINERY COSTS	1.23	1.45	.90
29 LIVESTOCK EQUIPMENT COSTS	1.68	1.59	1.34
30 BUILDING & FENCES	2.94	3.43	2.26
31 TOTAL ALLOCATED COSTS	5.85	6.47	4.50
JI TOTAL ALLOCATED COSTS	5.05	0.47	4.50
32 RETURN OVER ALL LISTED COSTS	21 65	28.21	15.64
33 SUPPLEMENTARY MANAGEMENT INFORMATION	21.05	20.21	13.04
34 RETURN FOR \$100 FEED FED	234.57	273.36	197.60
35 PRICE RECEIVED PER CWT. ALL ANIMALS		55.16	48.03
36 PRICE RECEIVED PER CWI. SOLD MKT. ONLY	52.02	54.29	48.45
	110	145	80
			1.7
,	1.6	2.0	
	9.8	10.2	9.5
39 NUMBER OF PIGS WEANED PER LITTER	7.7	7.9	7.5
39A NUMBER PIGS PRODUCED/LITTER	7.2	7.6 18.3	7.0
40 PERCENT DEATH LOSS	16.4		
41 AVERAGE WEIGHT OF ALL HOGS SOLD	200.2	172.4	237.6
42 AVERAGE WEIGHT OF MKT. HOGS SOLD	201.3	177.9	231.2
43 PRICE PER CWT. CONCENTRATE FED	5.54	5.48	5.89
PRICE PER CWT. CONCENTRATE FED PRICE PER CWT. PROTEIN, SALT & MINERAL		14.13	13.03
45 POUNDS OF PORK PURCHASED	9038	1950	10375
46 TOTAL LISTED COSTS PER CWT. PORK PRODUCED	31.13	30.81	29.57
47 UTILITIES & OTHER GENERAL FARM EXPENSE	1.39	.89	1.85
48 INTEREST ALLOCATION			
49 OTHER COSTS NOT LISTED			
50 TOTAL COST			

TABLE 11B - HOGS, FINISHING - 6490A - 1986

11	ABLE 11B - HOGS, FINISHING - 649UA - 198	86		·	
				12 FARMS	12 FARMS
			AVERAGE	HIGH IN	LOW IN
			OF 60	RETURN	RETURN
			FARMS	ABOVE FEI	
			1111470	ADOVE TE	ED ABOVE FEED
1	AVERAGE NUMBER OF PIGS ON HAND		344.7	165.4	244.1
	POUNDS OF HOGS PRODUCED				
_	1 COURSE OF HOOF THOSECED		165380	92402	104081
2	MINI TALLIN DOODLOND HOGG	4		PER HUNDRE	
3	NET VALUE PRODUCED - HOGS	\$	40.63	44.95	37.23
_4	OTHER MISCELLANEOUS HOG INCOME		(02)		.05
5		\$	40.61	44.95	37.28
6	POUNDS OF FEED FED				
7	CORN		291.3	313.5	312.3
8	SMALL GRAIN		2.6	2.9	8.4
9					
10			12.2	1.4	23.6
			69.7	62.8	69.4
11			375.8	380.6	413.7
12			.6		5.0
	FEED COSTS				
14	GRAINS		9.48	9.92	10.29
15	COMPLETE RATION		. 85	.10	2.06
16				8.26	
17			9.72	8.26	11.76
18			.01		.10
			•		
19	TOTAL FEED COSTS	\$	20.06	18.28	24.21
20	RETURN OVER FEED COSTS	\$	20.55	26.67	13.07
21	OTHER DIRECT COSTS			20.07	13.07
22			.77	00	22
23				.90	.22
			.56	•53	.49
24		ETC.	. 55	.39	.28
25	SPECIAL HIRED LABOR		.05	.19	
26	TOTAL OTHER DIRECT COSTS	\$	1.93	2.01	.99
27	RETURN OVER FEED & OTHER DIRECT COSTS	\$	18.62	24.66	12.08
28	ALLOCATED COSTS	•			12.00
29	POWER & MACHINERY COSTS		.95	1.73	7.4
30	LIVESTOCK EQUIPMENT COSTS		1.13		.74
29 30 31	BUILDING & FENCES			1.99	1.23
$\frac{31}{32}$		· · · <u> </u>	1.85	2.43	3.96
32	TOTAL ALLOCATED COSTS	\$	3.93	6.15	5.93
	RETURN OVER ALL LISTED COSTS	\$	14.69	18.51	6.15
34	SUPPLEMENTARY MANAGEMENT INFORMATION				
35	RETURN FOR \$100 FEED FED		202.45	245.89	153.98
36	PRICE RECEIVED PER CWT.				50.25
37	AVERAGE WEIGHT OF PIGS SOLD		231.8	52.78 235.7	
38	AVERAGE PRICE PAID PER PIG BOUGHT				233.9
				45.81	51.36
39			48.7	49.1	51.9
40			789	449	513
41	NUMBER OF PIGS TRANSFERRED IN		149	4	104
42	AVERAGE WEIGHT OF PIGS TRANSFERRED	IN	46.6	49.5	32.6
43	POUNDS OF PORK PURCHASED			22037	26634
44	PERCENT DEATH LOSS		2.8	3.5	
45	PRICE PER CWT. CONCENTRATE FED				3.9
			5.34	4.80	5.83
46	PRICE PER CWI. PROTEIN, SALT & MIN 1	EED	13.94	13.15	16.96
47	EFFECTIVE DAILY GAIN-LBS PER DAY PE	R PIG		1.53	1.17
48	TTL LISTED COST PER CWT. PORK PRO		25.92	26.44	31.13
49	UTILITIES & OTHER GENERAL FARM EXP.		.69	.56	.63
50	INTEREST ALLOCATION	-			
51	OTHER COSTS NOT LISTED				
52	TOTAL COSTS				
22	TOTIM CONTO				

TABLE 11C - HOGS, WEANING PIG PRODUCTION 6510 - 1986

TABL	E 11C - HOGS, WEANING PIG PRODUCTION	6510 - 1986			
				ll FARMS	ll FARMS
			AVERAGE	HIGH IN	LOW IN
			OF 22	RETURN	RETURN
			FARMS	ABOVE FEED	ABOVE FEED
1 A	VERAGE NUMBER OF LITTERS FARROWED		175	221	129
				PER LITTER	
2 N	ET VALUE PRODUCED - HOGS	\$	429.77	458.27	380.95
	THER MISCELLANEOUS WEANING PIGS INCO		.31	.46	.07
4	TOTAL VALUE PRODUCED	\$	430.08	458.73	381.02
5 P	OUNDS OF FEED FED	'			
6	CORN		1266.5	1393.2	1049.5
7	SMALL GRAIN		69.2	60.3	84.5
8	COMPLETE RATION		304.8		611.7
9	PROTEIN, SALT & MINERAL & MILK		492.3	125.7 515.4	452.7
10	TOTAL CONCENTRATES		2132.8	2094.6	
11	FORAGES			2094.0	
	EED COSTS		3.7		10.1
13	GRAINS		44.62	E0 00	24 05
	GOVERNO DAME DAME ON		44.63		34.95
14	COMPLETE RATION PROTEIN, SALT & MINERAL & MILK FORAGES		32.62	18.88	56.18
15	PROTEIN, SALT & MINERAL & MILK		73.85	74.51	72.71
16			.10		.28
17	PASTURE				
18	TOTAL FEED COSTS	\$	151.20	143.67	164.12
	ETURN OVER FEED COSTS	\$	278.88	315.06	216.90
	THER DIRECT COSTS				
21	MISCELLANEOUS LIVESTOCK EXPENSE		13.61	13.01	14.64
22	VETERINARY EXPENSE		20.87	23.37	16.59
23	CUSTOM HAULING, GRINDING, MARKETING	ETC.	3.94	5.49	1.29
24	SPECIAL HIRED LABOR		3.97	3.99	3.93
					*
25	TOTAL OTHER DIRECT COSTS	\$	42.39	45.86	36.45
	TURN OVER FEED & OTHER DIRECT COSTS	\$	236.49	269.20	180.45
27 AI	LLOCATED COSTS				
28	POWER & MACHINERY COSTS		16.09	15.80	17.05
29	LIVESTOCK EQUIPMENT COSTS		23.54		
30	BUILDING & FENCES		26.03	33.62	15.32
31	POWER & MACHINERY COSTS LIVESTOCK EQUIPMENT COSTS BUILDING & FENCES TOTAL ALLOCATED COST	\$		74.55	
		•			
32 RE	CTURN OVER ALL LISTED COSTS	\$	170.83	194.65	126.20
	JPPLEMENTARY MANAGEMENT INFORMATION	•			
34	RETURN FOR \$100 FEED FED		284.45	319.29	232 - 17
35	RETURN FOR \$100 FEED FED AVERAGE PRICE RECEIVED PER ANIMAL S AVERAGE PRICE PER PIG SOLD OR TRNFF	CLD	55.07	56 54	52.59
36	AVERAGE PRICE PER PIG SOLD OR TRNEE	SD	46 57	56.54 47.20	45.28
37	AVERAGE WEIGHT/PIG SOLD OR TRANSFER	DELD C.	17 7	50.1	43.4
38	NUMBER OF DICS DRODUCED	(ILL)	1437	1843	1031
39	NUMBER OF PIGS PRODUCED NUMBER OF PIGS BORN PER LITTER NUMBER OF PIGS WEANED PER LITTER LITTERS (PEADLING (PEMALE (VEAD		10.3	10.3	10.3
40	MIMBED OF DICC MENNEY DED TIMED		8.4	0 E	
40A	LITTERS/BEARING/FEMALE/YEAR			8.5 1.9	8.3
40A 40B	TITIERS/ DEAKTING/ LEMATE/ JEAK		1.4	15.8	.9 7.2
	PIGS PRODUCED/SOW/YEAR				
41	PERCENT DEATH LOSS		16.5		
42	PRICE PER CWT. CONCENTRATE FED PRICE PER CWT. PROTEIN, SALT & MIN	-	7.08	6.86	7.45
43	PRICE PER CWT. PROTEIN, SALT & MIN	FED	15.00	14.46	16.06
44	FEED & DIRECT COSTS/PIG PRODUCED		23.58	22.73	16.06 25.10
45	TOTAL LISTED COST/LITTER	\$	259.25	204.00	234.02
46	UTILITIES & OTHER GENERAL FARM EXPE	INSE	13.13	10.37	14.20
47	INTEREST ALLOCATION				
48	OTHER COSTS NOT LISTED				
49	TOTAL COSTS				

TABLE 12 - 6290A - DAIRY COWS - 1986

			32 FARMS	32 FARMS	
		AVERAGE	HIGH IN	LOW IN	
		OF 161	RETURN		
		FARMS	ABOVE FEED		•
1	AVERAGE NUMBER OF COWS	55.3	63.9	40.6	
-	THE TOTAL MONETAL OF COME	33.3		40.0	
2	POUNDS OF MILK	15110	PER COW	1000	
3		15118	17463	12683	
4		551.8	626.4	456.0	
		3.7	3.6	3.6	
5					
6		1806.62	2104.33		
7		4.86	5.45	4.78	
8		12.22			
9		(-140.96)	(-130.23)	(-154.83)	
10	OTHER MISCELLANEOUS DAIRY INCOME	1.12	4.77	.10	
11	TOTAL VALUE PRODUCED	1683.86	1994.68	1346.18	
12	POUNDS OF FEED FED \$				
13	CORN	5335.8	5720.8	5120.1	
14	SMALL GRAIN	272.0	226.3	354.8	
15	COMPLETE RATION	164.65		256.9	
16	PROTEIN, SALT & MINERAL	1108.4	1121.7	972.2	
17	TOTAL CONCENTRATES		7255.3		
18	LEGUME HAY	6880.7 7038.8	7200.3	6704.0	
		7038.8	6421.7		
19	OTHER HAY AND DRY ROUGHAGE	400.3	554.5	511.1	
20	SILAGE	8050.4 576.0	7821.3	8658.0	
20A	HAYLAGE	576.0	555.6	7.7	
21	FEED COSTS GRAINS COMPLETE RATION PROTEIN/SALT/MINERAL COST/CWT FED OF PROTEIN SALT & MINERAL				
22	GRAINS	180.45		182.14	
23	COMPLETE RATION	7.31	14.30	7.96	
24	PROTEIN/SALT/MINERAL	155.68	164.90	137.71	
24A	COST/CWT FED OF PROTEIN SALT & MINERAL	(14.05)	(14.70)	(14.17)	
25	HAY, HAYLAGE & DRY ROUGHAGE	(14.05) 202.03 62.84	187.48	255.30	
26	SILAGE	62.84	62.30	69.01	
27	PASTURE	3.02	.39	6.67	
28	TOTAL FEED COSTS \$	611.33	621.19	658.79	—
29	RETURN OVER FEED COST \$	1072.53	1373.49		
30		1072.55	13/3.49	687.39	
31	OTHER DIRECT COSTS	150.62	001 50	106.00	
	MISCELLANEOUS LIVESTOCK EXPENSE **	158.63	201.53	126.90	
32	VETERINARY EXPENSE	45.08	57.87	31.53	
33	CUSTOM HAULING, GRINDING, MARKETING ETC.	54.29		44.61	
34	SPECIAL HIRED LABOR	.89	•52	2.12	
35	TOTAL OTHER DIRECT COSTS \$	258.89	315.46	205.16	
36	RETURN OVER FEED & OTHER DIRECT COSTS \$	813.64	1058.03	482.23	
37	ALLOCATED COSTS				
38	POWER & MACHINERY COSTS	65.93	65.29	62.54	
39	LIVESTOCK EQUIPMENT COSTS	79.32	95.10	58.50	
40	BUILDING & FENCES	100.38	113.48	94.29	
41	TOTAL ALLOCATED COSTS \$	245.63	273.87	215.33	
42	RETURN OVER ALL LISTED COSTS \$	568.01	784.16	266.90	
43	SUPPLEMENTARY MANAGEMENT INFORMATION	300.01	704.10	200.00	
44	RETURN FOR \$100 FEED FED	275 44	221 11	204 24	
45		275.44	321.11	204.34	
	FEED COST PER CWT. MILK	4.04	3.56	5.20	
46	FEED COST PER POUND OF BUTTERFAT	1.11	.99	1.44	
47	POUNDS OF MILK PER LB. OF CONCENTRATE	2.20	2.41	1.89	
48	AVERAGE PRICE PER CWT. MILK SOLD	12.05	12.12	11.76	
49	AVERAGE PRICE PER LB. OF BUTTERFAT	3.30	3.38	3.27	
50	TOTAL LISTED COSTS PER CWT. MILK PRODUCED	7.38	6.93	8.51	
51	DAIRY COW TURNOVER PERCENTAGE	36.2	39.1	36.9	
52	TOTAL LISTED COSTS PER COW \$	1115.85	1210.52	1079.28	
53	UTILITIES & OTHER GENERAL FARM EXPENSE\$	87.83	78.88	90.86	
54	INTEREST ALLOCATION	07.03	70.00	20.00	
55	OTHER COSTS NOT LISTED				
56	TOTAL COST				
20	TOTAL COST				

^{**} GOVERNMENT CHECK-OFF EXPENSE INCLUDED IN THIS FIGURE FOR 1986

TAI	TABLE 13 - 6310A - OTHER DAIRY REPLACEMENTS - 1986						
				13 FARMS	13 FARMS		
			AVERAGE	HIGH IN	LOW IN		
			OF 64	RETURN	RETURN		
			FARMS	ABOVE FEED	ABOVE FEED		
1	NUMBER OF HEADS		68.2	64.3	59.9		
-	NOTIFIED .		00.2	PER HEAD	33.5		
2	NET VALUE PRODUCED	\$	312.20	441.57	194.39		
`3	OTHER MISCELLANEOUS INCOME	٧	J12.20	441.37	174.37		
$\frac{3}{4}$	TOTAL INCOME	\$	312.20	441.57	194.39		
4	IOTAL INCOME	ې	312.20	441.57	134.33		
_	POUNDS OF FEED FED						
			000 0	669 F	1362.9		
6	CORN		960.2	668.5			
7	SMALL GRAIN		159.2	173.4	197.7		
8	COMPLETE RATION		81.5	170.4	22.9		
9	PROTEIN, SALT & MINERAL		184.9	197.3	173.9		
10	HAY & DRY ROUGHAGE		3194.6	2370.6	4725.6		
11	SILAGE		5186.2	5719.6	5837.2		
11I	A HAYLAGE		34.6	6.0			
12	MILK		100.4	16.8	176.1		
13	FEED COSTS						
14	GRAINS		36.22	28.07	52.09		
15	COMPLETE RATION		5.25	9.25	5.29		
16	PROTEIN/SALT/MINERAL		28.24	26.69	32.30		
17	HAY, HAYLAGE & DRY ROUGHAGE		80.15	56.86	128.91		
18	SILAGE		39.15	41.82	44.32		
				4.53	22.00		
19	MILK		11.89				
20	PASTURE		1.51	.98	1.30		
21	TOTAL FEED COSTS	\$	202.41	168.20	286.21		
22	RETURN OVER FEED COST	\$	109.79	273.37	(-91.82)		
22	OMITTED DEDECTION COORTS						
	OTHER DIRECT COSTS		16.80	19.00	16.26		
24	MISCELLANEOUS LIVESTOCK EXPENSE						
25	VETERINARY EXPENSE		7.14	9.97	8.10		
26	CUSTOM HAULING, GRINDING, MARKETING.	EIC.		5.49	6.11		
27	SPECIAL HIRED LABOR	1.	.10				
28	TOTAL OTHER DIRECT COSTS	\$	28.83	34.46	30.47		
20	RETURN OVER FEED & OTHER DIRECT COSTS	\$	80.96	238.91	(-122.29)		
29	RETURN OVER FEED & OTHER DIRECT COSTS	Ą	60.90	230.91	(-122.29)		
30	ALLOCATED COSTS						
31			12.16	10.48	15.45		
	POWER & MACHINERY COSTS		15.91	13.16	13.23		
32	LIVESTOCK EQUIPMENT COSTS						
33	BUILDING & FENCES	<u> </u>	19.85	15.45	15.75		
34	TOTAL ALLOCATED COSTS	\$	47.92	39.09	44.43		
25	DEMINAL OFFED ALL LEGISID COCCIC	\$	33.04	199.82	(-166.72)		
	RETURN OVER ALL LISTED COSTS	Ą	33.04	199.02	(-100.72)		
	SUPPLEMENTARY MANAGEMENT INFORMATION		154 05	262 52	67.00		
37	RETURN FOR \$100 FEED FED		154.25	262.53	67.92		
38	PERCENT DEATH LOSS-TOTAL		7.6	8.6	6.3		
39	PERCENT CALF DEATH LOSS		14.5	14.9	14.6		
40	TOTAL LISTED COSTS PER HEAD	\$	279.16	241.75	361.11		
41	UTILITIES & OTHER GENERAL FARM EXP.	\$	16.80	12.79	20.50		
42	INTEREST ALLOCATION			-			
43	OTHER COSTS NOT LISTED						
44	TOTAL COSTS			~ - * -			

TABLE 13 6318A OTHER DAIRY, REPL./FEEDER STOCK TOTAL - 1986

TA	TABLE 13 6318A OTHER DAIRY, REPL./FEEDER STOCK TOTAL - 1986									
20 FARMS 20 F										
		AVERAGE	HIGH IN	LOW IN						
		OF 99	RETURN	RETURN						
		FARMS	ABOVE FEED	FEED						
1	NUMBER OF HEAD	69.0	53.1	70.4						
			33,1	70.4						
2	NET VALUE PRODUCED	308.57	442.11	185.33						
_3	OTHER MISCELLANEOUS INCOME			103.33						
4		308.57	442.11	185.33						
			114411	105.55						
5	POUNDS OF FEED FED									
6		898.1	1039.4	1001.0						
7	SMALL GRAIN	220.6	173.6	195.3						
8	COMPLETE RATION	33.9	5.1	40.6						
9		334.6	283.6							
10	HAY & DRY ROUGHAGE	2597.9		208.5						
11	SILAGE		1573.1	3419.2						
117		4957.2	4163.8	5629.7						
12		61.6	193.0	15.6						
	MILK	56.2	5 . 6	88.8						
	FEED COSTS									
14	GRAINS	35.30	30.89	38.62						
15	COMPLETE RATION	3.10	•53	3.21						
16	PROTEIN, SALT & MINERALS	31.00	43.80	28.68						
17	HAY/HAYLAGE & DRY ROUGHAGE	67.28	41.94	84.01						
18	SILAGE	37.75	27.51	45.61						
19	MILK	8.35	5.44							
20	PASTURE	2.64		14.67						
21	TOTAL FEED COSTS		4.44	3.15						
	RETURN OVER FEED COSTS	185.42	154.55	217.95						
22	IGHOUN OVEN PEED COSTS	123.15	287.56	(-32.62)						
23	OTHER DIRECT COSTS									
24	MISCELLANEOUS EXPENSE	30.00	10 ==							
25		10.80	13.77	13.58						
26	VETERINARY EXPENSE	7.03	10.04	4.19						
	CUSTOM HAULING, GRINDING, MARKET. ETC		3.56	3.95						
$\frac{27}{28}$	SPECIAL HIRED LABOR	.32								
20	TOTAL OTHER DIRECT COSTS	21.18	27.37	21.72						
20	DIMITING OF THE PROPERTY OF TH									
23	RETURN OVER FEED & OTHER DIRECT COSTS	101.97	260.19	(- 54 . 34)						
20	ALLOGATION GOODIG									
	ALLOCATED COSTS									
31	POWER & MACHINERY COSTS	11.11	10.30	9.71						
32	LIVESTOCK EQUIPMENT COSTS	11.96	16.49	13.25						
33	BUILDING & FENCES	14.97	16.76	16.90						
34	TOTAL ALLOCATED COSTS	38.04	43.55	39.86						
	RETURN OVER ALL LISTED COSTS	63.93	216.64	(-94.20)						
36	SUPPLEMENTARY MANAGEMENT INFORMATION			(31.20)						
37	RETURN FOR \$100 FEED FED	166.41	286.05	85.03						
38	PERCENT DEATH LOSS - TOTAL	8.5								
39	PERCENT CALF DEATH LOSS		6.5	9.0						
40		17.5	13.0	19.3						
41	TOTAL LISTED COSTS PER HEAD	244.64	225.47	279.53						
	UTILITIES/OTHER GEN FARM EXPENSE	14.16	10.09	17.19						
42	INTEREST ALLOCATION									
43	OTHER COSTS NOT LISTED									
44	TOTAL COSTS		-							

TABLE 14 - ALL DAIRY & REPLACEMENTS - 1986

TABLE 14 - ALL DAIRY & REPLACEMENTS - 1986			
		33 FARMS	
	AVERAGE		
	OF 165		
	FARMS		ABOVE FEED
1 AVERAGE NUMBER OF COWS	56.7	61.8	55.1
	PER CO	W & REPLACEN	ENTS
2 VALUE OF DAIRY PRODUCTS \$	1762.31	2097.46	1289.02
3 NET VALUE PRODUCED	224.55	326.59	90.42
4 MISCELLANEOUS DAIRY INCOME		28.71	.07
5 TOTAL VALUE PRODUCED \$	1993.16		1379.51
6 POUNDS OF FEED FED			
7 GRAINS	6746.8	7066.3	5843.5
8 COMPLETE RATION		14.7	347.9
9 PROTEIN, SALT, MNRL., INCL. MILK EQUIV.	1413.5	1497.3	942.1
10 HAY & DRY ROUGHAGE	10525 0	9271.9	10688.8
	13710 /	14188.5	10757.4
11 SILAGE		1846.1	10737.4
11A HAYLAGE	009.3	1040.1	
12 FEED COSTS	216.70	231.59	189.31
13 GRAINS	11.68	2.41	16.28
14 COMPLETE RATION	198.27	234.17	144.12
15 PROTEIN/SALT/MINERAL INCL. MILK	198.27	262.78	144.12
16 HAY, HAYLAGE & DRY ROUGHAGE	280.63	202.78	295.41
17 SILAGE	105.77	262.78 108.38 1.44	85.19
18 PASTURE COSTS	5.50	840.77	7.01
19 TOTAL FEED COSTS \$	818.55	840.//	/3/.32
20 RETURN OVER FEED COST \$	11/4.61	1611.99	642.19
21 OTHER DIRECT COSTS	160 54	212 02	115 00
22 MISCELLANEOUS LIVESTOCK EXPENSE **	168.54		
23 VETERINARY EXPENSE		66.38	33.18
24 CUSTOM HAULING, GRINDING, MARKET. ETC.	57.44		43.58
25 SPECIAL HIRED LABOR	1.13		1.32
26 TOTAL OTHER DIRECT COSTS \$	279.05	343.14	193.16
		1060 07	440.02
27 RETURN OVER FEED & OTHER DIRECT COSTS \$	895.56	1268.85	449.03
28 ALLOCATED COSTS			
29 POWER & MACHINERY COSTS	79.20		
30 LIVESTOCK EQUIPMENT COSTS	92.65	120.96	70.63
31 BUILDING & FENCES	117.12	129.94	92.95
32 TOTAL ALLOCATED COSTS \$	288.97	324.50	243.21
33 RETURN OVER ALL LISTED COSTS \$	606.59	944.35	205.82
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED \$	243.50	291.72	187.10
36 TOTAL LISTED COSTS PER COW \$	1386.57	1508.41	1173.69
37 UTILITIES & OTHER GENERAL FARM EXP. \$	105.95	98.78	108.23
38 INTEREST ALLOCATION			
39 OTHER COSTS NOT LISTED			
40 TOTAL COST			
40 10170 0001			

^{**} GOVERNMENT CHECK-OFF EXPENSE INCLUDED IN THIS FIGURE IN 1986

TABLE 15A - 6101 BEEF BREEDING - 1986

TABLE 15A - 6101 BEEF BREEDING - 1986				1
			13 FARMS	13 FARMS
		AVERAGE	HIGH IN	LOW IN
		OF 26	RETURN	RETURN
		FARMS		ABOVE FEED
1 AVERAGE NUMBER OF BEEF COWS	,	36.0	44.7	27.2
2 AVERAGE NUMBER OF OTHER BEEF ANML. & BI	IILS	27.8	41.2	14.4
3 POUNDS OF BEEF PRODUCED	OLLO	21088	28937	13238
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		21000		13230
4 NET VALUE PRODUCED	\$	363.39	PER COW	220 26
5 OTHER MISCELLANEOUS BEEF INCOME	Ÿ		445.82	229.26
6 TOTAL VALUE PRODUCED	\$.69	1.12	000 06
	ş	364.08	446.94	229.26
7 POUNDS OF FEED FED 8 GRAINS				
		638.6	660.6	604.8
		160.7	118.4	230.7
10 LEGUME HAY		3876.9	3174.7	5045.3
11 OTHER HAY & DRY ROUGHAGE		682.5	1020.1	130.1
12 SILAGE		3887.6	4940.3	2171.9
12A HAYLAGE				
13 FEED COSTS				
14 GRAINS		21.25	22.28	19.60
15 PROTEIN/SALT/MINERAL		15.78	17.56	12.87
16 LEGUME HAY/HAYLAGE		99.94	80.29	132.61
17 OTHER HAY & DRY ROUGHAGE		9.39	13.91	1.95
18 SILAGE		29.06	36.89	16.29
19 PASTURE		36.00	34.21	39.04
20 TOTAL FEED COSTS	\$	211.42	205.14	222.36
10112 1225 00010	Y	211.42	203.14	222.30
21 RETURN OVER FEED COST	\$	152.66	241.80	6 00
	Y	132.00	241.00	6.90
22 OTHER DIRECT COSTS				
23 MISCELLANEOUS LIVESTOCK EXPENSE		20.26	22.02	22 75
24 VETERINARY EXPENSE		29.36	32.82	23.75
25 CUSTOM HAULING, GRINDING, MARKET. ETC	,	16.75	16.42	17.32
26 SPECIAL HIRED LABOR	•	4.25	5.82	1.69
		.06		.15
	\$	50.42	55.06	42.91
28 RETURN OVER FEED & OTHER DIRECT COSTS	\$	102.24	186.74	(-36.01)
29 ALLOCATED COSTS				
30 POWER & MACHINERY COSTS		13.12	(44)	21.23
31 LIVESTOCK EQUIPMENT COSTS		19.17	12.15	22.81
32 BUILDING & FENCES		64.35	82.16	45.24
33 TOTAL ALLOCATED COSTS	\$	96.64	93.87	89.28
34 RETURN OVER ALL LISTED COSTS	\$	5.60	92.87	(-125.29)
35 SUPPLEMENTARY MANAGEMENT INFORMATION				
36 RETURN FOR \$100 FEED FED		172.21	217.86	103.11
37 PRICE PER CWT SOLD		51.59	57.06	37.81
38 PRICE PER CWT CALVES SOLD OR TRNFRD.		62.82	64.55	58.28
39 AVERAGE WEIGHT PER HEAD SOLD		871.8	821.1	1032.5
40 AVERAGE WEIGHT PER CALF SOLD OR TRNF	RD.	576.7	626.3	505.8
41 PERCENT DEATH LOSS		3.1	3.1	2.9
42 PERCENT CALF CROP		97 . 4	98.0	
42A PERCENT CALF DEATH LOSS				96.6
43 TOTAL LISTED COSTS PER COW	Ċ	5.7	6.8	7.7
		358.48	354.07	354.55
· · · · · · · · · · · · · · · · · · ·	Þ	16.07	7.89	25.92
46 OTHER COSTS NOT LISTED 47 TOTAL COSTS				
47 TOTAL COSTS		~~~~		

TABLE 15B - BEEF FEEDERS ALL FARMS - 1986)			
			11 FARMS	ll FARMS
		AVERAGE	HIGH IN	LOW IN
		OF 57	RETURN	RETURN
		FARMS	ABOVE FEE	
1 AVERAGE NUMBER OF BEEF FEEDERS		56.8		
2 POUNDS OF BEEF PRODUCED			46.3	52.9
2 1 CONDS OF BEST PRODUCED		38883	30127	37266
2 NUMBER STATE OF OPENSION	_		PER HUNDR	
3 NET VALUE PRODUCED	\$	55.39	66.64	44.96
4 OTHER MISCELLANEOUS BEEF INCOME				
5 TOTAL VALUE PRODUCED	\$	55.39	66.64	44.96
6 POUNDS OF FEED FED				<u> </u>
7 GRAINS		611.3	454.2	908.2
8 PROTEIN, SALT & MINERAL		39.1	48.3	35.9
9 LEGUME HAY		201.6	228.3	199.8
10 OTHER HAY & DRY ROUGHAGE		54.5	124.0	56.6
11 SILAGE		659.3	427.9	
11A HAYLAGE				532.0
12 FEED COSTS		3.3		
		10.00		
		19.22	11.58	29.58
14 PROTEIN/SALT/MINERAL		5.21	4.06	4.59
15 LEGUME HAY/HAYLAGE		51.37	5.82	5.11
16 OTHER HAY & DRY ROUGHAGE		1.17	2.74	1.49
17 SILAGE		5.12	3.21	5.26
18 PASTURE		.11	.10	.10
19 TOTAL FEED COSTS	\$	36.20	27.51	46.13
00 000000000000000000000000000000000000				
20 RETURN OVER FEED COST	\$	19.19	39.13	(-1.17)
21 OTHER DIRECT COSTS				
22 MISCELLANEOUS LIVESTOCK EXPENSE		00	2=	
23 VETERINARY EXPENSE		.90	.35	.68
		.82	. 47	1.22
	ľC.	1.24	1.62	. 69
25 SPECIAL HIRED LABOR				
26 TOTAL OTHER DIRECT CCSTS	\$	2.96	2.44	2.59
27 RETURN OVER FEED & OTHER DIRECT COSTS	\$	16.23	36.69	(-3.76)
	,	10123	30.03	(3.70)
28 ALLOCATED COSTS				
29 POWER & MACHINERY COSTS		2.02	1.80	2.44
30 LIVESTOCK EQUIPMENT COSTS		2.30	2.48	4.03
31 BUILDING & FENCES		3.66	3.98	3.72
32 TOTAL ALLOCATED COSTS	\$	7.98	8.26	10.19
33 RETURN OVER ALL LISTED COSTS	\$	8.25	28.43	(-13.95)
34 SUPPLEMENTARY MANAGEMENT INFORMATION				(10050,
35 RETURN FOR \$100 FEED FED		153.00	242.23	97.46
36 PRICE PER CWT SOLD		54.48	57.41	50.91
37 AVERAGE WEIGHT PER HEAD SOLD		1135.4	1063.5	
38 PRICE PER CWT BOUGHT				1264.1
39 AVERAGE WEIGHT/HEAD BOUGHT		54.85	57.05	50.88
,		613.0	491.6	748.9
		45	22	33
		1.6	2.2	.8
42 EFFECTIVE DAILY GAIN-LBS/HEAD/DAY		1.88	1.78	1.93
43 TOTAL LISTED COST PER CWT PRODUCED	\$	47.14	38.21	58.91
44 UTILITIES & OTHER GENERAL FARM EXP.	\$	9.74	5.67	13.18
45 INTEREST ALLOCATION				
46 OTHER COSTS NOT LISTED				
47 TOTAL COSTS				

TABLE 15B - BEEF FEEDERS - 1986

173171	TOO DEEL PERDENS - 1900				
			61.40	63.43	
			6140	6141	6142
				BEEF FEEDERS	
			IN LOT UNDER	IN LOT BETWEEN	IN LOT OVER
			500 LBS AVERAGE OF	500-700 LBS	700 LBS
			AVERAGE OF	AVERAGE OF	AVERAGE OF
			28 FARMS	13 FARMS	10 FARMS
1	AVERAGE NUMBER OF BEEF FEEDERS		49.1	46.9	82.2
2	POUNDS OF BEEF PRODUCED		31,447		
_	TOOKED OF BEEF TRODUCED			32,601	57,981
3	MOTE TALLES DESCRICES	_	PER PER	HUNDRED WEIGHT	
	NET VALUE PRODUCED	\$	56.84	57.09	50.36
4	OTHER MISCELLANEOUS BEEF INCOME				
5	TOTAL VALUE PRODUCED	\$	56.84	57.09	50.36
6	POUNDS OF FEED FED				
7 8	GRAINS		563.8	632.3	697.7
8	PROTEIN, SALT & MINERAL		39.7	31.1	48.7
9	GRAINS PROTEIN, SALT & MINERAL LEGUME HAY		254.3	183.0	185.5
10	OTHER HAY & DRY ROUGHAGE		62.6	85.4	
11	SILAGE				47.8
11A			504.1	795.4	711.6
	HAYLAGE		1.2	14.6	
12	FEED COSTS GRAINS PROTEIN/SALT/MINERAL LECIME HAY/HAYLAGE				
13	GRAINS		19.10	20.32	22.42
14	PROTEIN/SALT/MINERAL		4.69	3 . 79	6.58
15	DECOME HAI/HAILAGE		6.84	5.08	4.74
16	OTHER HAY & DRY ROUGHAGE		1.18	2.17	1.09
17	SILAGE		3.78	5.97	5.11
18	PASTURE		.13		
19	TOTAL FEED COSTS	\$.10	.17
19	TOTAL FEED COSTS	Þ	35.72	37.43	40.11
20	DEMILIDAL OFFICE THEIR GOOM	_		10.44	
	RETURN OVER FEED COST	\$	21.12	19.66	10.25
21	OTHER DIRECT COSTS				
22	MISCELLANEOUS LIVESTOCK EXPENSE		1.03	1.29	.30
23	VETERINARY EXPENSE		. 65	.69	1.28
24	CUSTOM HAULING, GRINDING, MARKETING ET	C.	.96	1.64	1.57
25	SPECIAL HIRED LABOR				
26	TOTAL OTHER DIRECT COSTS	Ś	2.64	3.62	3.15
27	RETURN OVER FEED & OTHER DIRECT COSTS	Š	18.48	16.04	7 . 10
	TIESTOTIC OVER TEED & OTHER DIRECT CODID	Y	10.40	10.04	7.10
28	ALLOCATED COSTS				
29			0.70		
	POWER & MACHINERY COSTS	,	2.72	1.81	1.49
30	LIVESTOCK EQUIPMENT COSTS		3.62	2.11	1.82
31	BUILDING & FENCES		4.47	4.27	2.05
32	TOTAL ALLOCATED COSTS	\$	10.81	8.19	5.36
33	RETURN OVER ALL LISTED COSTS	\$	7.67	7.85	1.74
34	SUPPLEMENTARY MANAGEMENT INFORMATION		ŧ		
35	RETURN FOR \$100 FEED FED		159.13	152.52	125.55
36	PRICE PER CWT SOLD		54.08	57.59	
37	AVERAGE WEIGHT PER HEAD SOLD				52.39
					267.4
38	PRICE PER CWI BOUGHT		50.41	54.14	56.45
39	AVERAGE WEIGHT/HEAD BOUGHT		553.1	597.3	680.6
40	NUMBER OF HEAD BOUGHT		35	29	76
41	PERCENT DEATH LOSS		1.9		1.6
42	EFFECTIVE DAILY GAIN-LBS/HEAD/DAY		1.76	1.91	1.93
43	TOTAL LISTED COST PER CWT PRODUCE	D\$		49.24	48.62
44	UTILITIES & OTHER GENERAL FARM EXP.		1.50	1.39	1.39
45	INTEREST ALLOCATION	7	1.50	1.00	1.33
46	OTHER COSTS NOT LISTED				
47	TOTAL COSTS				
4/	TOTAL COSTS				

TABLE 16A - 6670 SHEEP, FARM , COMMERICAL - 1986

			AVERAGE	
			OF	
			10 FARMS	
1	AVERAGE NUMBER OF EWES		44.6	
2	POUNDS OF LAMB & MUTTON PRODUCED		6477	
3	POUNDS OF WOOL PRODUCED		485	
4	VALUE OF PRODUCE		PER EWE	
, 4 5	WOOL		10.02	
6	NET VALUE PRODUCED-ANIMALS	\$	87 . 35	
7	OTHER MISCELLANEOUS SHEEP INCOME	Y	•65	
8	TOTAL VALUE PRODUCED	\$	98.02	
9	POUNDS OF FEED FED	•	,	
10	GRAINS		631.7	
11	PROTEIN, SALT & MINERAL		62.5	
12	LEGUME HAY		951.6	
13	OTHER HAY & DRY ROUGHAGE		34.1	
14	SILAGE			
14A	HAYLAGE			
15	FEED COSTS		0.0.0	
16	GRAINS		28.27	
17	PROTEIN/SALT/MINERAL		9.42	
18 19	LEGUME HAY AND HAYLAGE OTHER HAY & DRY ROUGHAGE		25 . 70	
20	SILAGE		.76	
21	PASTURE		1.37	
22	TOTAL FEED COSTS	\$	65.52	
	1011.12 1222 00010	7	03.32	
23	RETURN OVER FEED COST	\$	32.50	
24	OTHER DIRECT COSTS			
25	MISCELLANEOUS LIVESTOCK EXPENSE		6.93	
26	VETERINARY EXPENSE		5.02	
27	CUSTOM HAULING, GRINDING, MARKETING ET	c.	6.26	
28	SPECIAL HIRED LABOR	Ċ	.02	
29	TOTAL OTHER DIRECT COSTS	\$	18.23	
30 31	RETURN OVER FEED & OTHER DIRECT COST ALLOCATED COSTS	\$	14.27	
32	POWER & MACHINERY COSTS		18.04	
33	LIVESTOCK EQUIPMENT COSTS		13.50	
34	BUILDING & FENCES		27.58	
35	TOTAL ALLOCATED COSTS	\$	59.12	
		•		
36	RETURN OVER ALL LISTED COSTS	\$	(-44.85)	
37	SUPPLEMENTARY MANAGEMENT INFORMATION			
38	RETURN FOR \$100 FEED FED		149.62	
39	PRICE PER CWT LAMB & MUTTON SOLD		63.64	
40	PRICE PER CWT LAMB SOLD OR TRNSFRD.		69.47	
41	AVG. WEIGHT/LAMBS SOLD OR TRNSFRD.		115.6	
42	POUNDS OF WOOL PER SHEEP SHEARED		12.4	
43	NUMBER OF EWES KEPT FOR LAMBING		41	
44	PERCENT LAMB CROP		163.0	
45 45 2	PERCENT DEATH LOSS		16.0	
45A 46	PERCENT LAMB DEATH LOSS	¢	21.4	
46 47	TOTAL LISTED COST PER EWE UTILITIES & OTHER GENERAL FARM EXP.	\$ \$	142.87 5.24	
48	INTEREST ALLOCATION	Ą	J. 24 	
49	OTHER COSTS NOT LISTED			
50	TOTAL COSTS			
55	TOTAL COOLS			

SUMMARY OF SELECTED ITEMS OF INFORMATION BY YEARS

	1982	1983	1984	1985	19,86
TABLE 1	226	240	265	205	404
TILLABLE ACRE	336 508,538	349 537 269	365 552 516	395	424 518,754
TOTAL FARM CAPITAL BEG INVEN. TOTAL FARM CAPITAL ENDING INV.	519,258	536,651	551.746	566,701 555,347	519,734
INCREASE IN INVENTORY		(- 617)	(-770)	555,347 (-11354)	980
TABLE 3		, , ,	. ,		
TOTAL RETURNS & NET INCREASES				117,134	
% OF TOTAL RETURNS FROM FEED	53%	28%	40%	39%	49%
FED TO LIVESTOCK	446	600	F70	F70	F00
% OF TOTAL RETURNS FROM CROP, SEED & FEED	448	68%	57,8	57%	50%
% OF TOTAL RETURN FROM MISC.	3%	4%	3%	4%	1%
TOTAL EXP. & NET DECREASES				105,034	
RETURN TO LABOR & MG	12,302	18,715	7 , 193	12,100	31,263
TABLE 4					
TOTAL HOUSEHOLD & PERSONAL	21,244	24,158	21,316	21,731	23,180
TABLE 5	146 705	150 054	100 704	140 067	171 406
NET WORTH END OF YEAR NET WORTH BEG OF YEAR		159 , 054	123,724	140,867 146,883	171,406 155,494
INCREASE IN NET WORTH			(-8,209)		
TABLE 6	(3,113,	5,000	(0, = 0, 7	(0,020,	22,222
RETURN TO CAP. & FAMILY LABOR	11,692	18,668	6,004	10,165	30,167
DAIRY	F2 0	E2 2	E1 4	EE 4	55.3
AVERAGE NUMBER OF COWS AVE LBS OF MILK PER COW LBS	53.0			55.4 14,695	
AVE LBS OF MILK PER COW LBS AVE PRICE RECEIVED PER CWT \$				12.53	12.05
FEED COST PER COW \$	770.31	861.07	818.03	770.86	611.33
FEED COST PER CWT MILK \$	5.67	6.01	5.85	5.25	4.04
RETURN PER \$100 FEED FED					275.44
RETURN OVER ALL LISTED COSTS\$	434.17	313.76	395.60	479.88	568.01
SWINE (COMPLETE HOGS)					
LBS OF FEED PER CWT GAIN, LBS	431.9	409.6	401.8	403.8	408.2
FEED COST PER CWT GAIN \$	26.32	30.31	29.38	24.49	
RETURN PER \$100 FEED FED \$	227.22	143.99	164.11	175.71	234.96
PRICE PER CWT OF FEED \$ PRICE RECEIVED PER CWT PORK \$	6.08	7.38	7.30	6.06	5.50
PRICE RECEIVED PER CWT PORK \$ RETURN OVER ALL LISTED COSTS\$	55.10	4/.04	48.44	44.44 10.05	50./2 22.01
RETURN OVER ALL LISTED COSTS\$	24.48	4.70	10.59	10.95	22.91
BEEF BREEDERS					
AVERAGE NUMBER OF BEEF COWS	33.9	34.1	37.1	37.3	36.0
FEED COST PER COW \$	298.35	311.99	272.49	287.48	211.42
AVERAGE NUMBER OF BEEF COWS FEED COST PER COW \$ RETURN PER \$100 FEED FED \$ RETURN OVER ALL LISTED COSTS\$	93.64	86.58	131.65	111.41	172.21
RETURN OVER ALL LISTED COSTS\$	(-163.18)) (-204.14) (-42.11)	(-116.94)	5.60
FEEDER CATTLE (ALL FARMS)					
AVERAGE NO. BEEF FEEDERS					56.8
FEED COST PER 100 LBS GAIN \$	49.26	53.19	64.50	48.67	36.20
RETURN PER \$100 FEED FED \$	125.68	113.48	100.34	94.45	153.00
PRICE PER CWT SOLD \$	60.96	58.39	60.12	53.89	54.48
PRICE PER CWT BOUGHT \$ RETURN OVER ALL LISTED COSTS\$	59.90	5/.//	58.80 1.4.5 12.44	5/.2/ \	54.85
VETOVIN OAEK HEF FTQ.LED CO2123	(-4./3	, (-/.03	, (-13.44)	(-13.37)	0.23

SHEEP FLOCK	1982	1983	1984	1985 1986
AVERAGE NUMBER OF HEAD	42.2	37.4	45.5	$\begin{array}{c} 1985 \\ \hline 54.2 \\ \hline 86.21 \\ \hline 10.66 \\ \hline 149.62 \\ \hline 69.22 \\ \hline 69.47 \\ \hline 154.9 \\ \hline (-76.12)(-44.85) \\ \end{array}$
FEED COST PER EWE \$	65.43	67.14	82.65	86.21 65.52
RETURN PER \$100 FEED FED \$	111.01	86.14	102.63	110.66 149.62
PRICE PER CWT SOLD (LAMBS) \$	53.75	52.96	65.19	69.22 69.47
PER CENT LAMB CROP %	145.7		154.2	154.9 163.0
RETURN OVER ALL LISTED COSTS\$	(-33.47)	(-81.50)	(-66.42)	(-76.12)(-44.85)
WORK UNITS			*	
	170.51	151 01	183.26	197.95 203.51
T TUPOTOCY	359.76		356.56	
LIVESTOCK OTHER WORK UNITS				21.53 23.72
TOTAL MORK UNITES	5/3/3/3	516 10	556 50	585.09 599.22
	299		333	
WORLD THE WORLTH	233	307	333	220 202
EXPENSE PER WORK UNIT	•			
TRACTOR & CROP MACH EXPENSE	38.10	37.98	35.13	35.05 33.25
ELECTRICITY (FARM SHARE)	5.45	5.77	5.40	5.58 5.56
ELECTRICITY (FARM SHARE) AUTO & TRUCKS (FARM SHARE)	9.39	9.80	8.83	8.86 8.52
LIVESTOCK EQUIPMENT	8.50	9.15	8.79	8.19 7.65
LIVESTOCK EQUIPMENT BUILDINGS, FENCES & TILE	17.64	19.15	17.00	17.07 16.56
TRACTOR, CROP MACHINERY EXPENSE				
PER CROP ACRE	61.28	55.87	53.25	51.45 46.65
YIELDS PER ACRE OATS, BUSHEL CORN FOR GRAIN, BUSHEL CORN SILAGE, TONS SOYBEANS, BUSHEL ALFALFA HAY, TONS	50.1		5 0 5	70.1
OATS, BUSHEL	58.1	53.3	70.5	/2.1 61.5
CORN FUR GRAIN, BUSHEL	112.0	100.9	122./	117.9 138.0
CONDEING DUGUEL	1/.1	14.4	1/.5	15./ 18.3
SUIBLAND, BUSHEL	34.2	35.2	34.3	30.9 38.5
ALFALFA HAY, IONS	3./	3.7	4.1	3.8 4.3
RETURN OVER LISTED COSTS PER ACRE				
OATS CORN FOR GRAIN SOYBEANS CORN SILAGE ALFALFA HAY	(-42, 33)	(-41 68)	(-0.64)	(-25.37)(-33.90)
CORN FOR GRAIN	(-47.82)			45.15 54.94
SOYBEANS	(-26.80)	86 39	2 71	(-31.98) 19.91
CORN SILAGE	144.70	62.82	96.26	45.78 87.20
ALFALFA HAY	87.87	90.59	68 - 29	104.40 . 40.42
		20.00	000	

SETTING GOALS

One of the primary aims of the Farm Management Education Program is to assist farmers in reaching their farm and family goals. Clarifying their ideas as to what they really want is a very important step in improving the farm business and as a result improve family living.

Sitting down as an operator or husband and wife and putting these wants in writing is done in one of the early classes in the Adult Farm Management Education Program.

Planning goals is not easy. All members of a family may not agree on what goals are most important. The family may have to give serious thought and discussion to the goals they choose so that all members of the family can benefit from the farming business. Not all goals are related to farm income. Some very important goals for a family may be in the area of social, community, family, church and educational activities.

Setting up goals in a systematic way lets the family fit the wants and desires of all the family members into a plan. There are no right or wrong goals, since each family may approach the problems and opportunities they have in a different way. It is important that goals be reviewed frequently to see if conditions have changed. If the goals are too inflexibile, they may be a liability to progress rather than an asset.

On the next page is an example of the written goals of one family for the coming year. The following year, these goals will be reviewed, evaluated and probably changed or expanded to fit the ever changing needs and desires of the family.

WHAT DOES YOUR FAMILY WANT?

Name	Charles Thatcher Family	Date	2-15-87			
Addr	ess					
know fami	of the steps for improving the farm are of things you have wanted as a family, ly members to agree upon what is most be down your short term and long term go	but it t : import	akes conside ant and whic number then	erable tho	ught and discussion come first. As a fa	amon
FOR	A PROFITABLE FARM BUSINESS:					
PRIC	DRITY					
8	Build a new farrowing barn				X	
1	Raise the production of the dairy herd 500 lbs. milk per cow - cull cows producing 14,000 lbs.			X		
7	Raise the production of the dairy herd 13,500 lbs. to 15,000 lbs. per cow 4 years				Х	
3	Improve the number of pigs saved per li from 6.5 to 7.5.	tter		X		
FOR	SATISFYING LIVING					
2	Put new carpeting in living room			X		
4	Remodel kitchen & bathroom			X		
12	Build a new family room on house				X	
13	Buy a piano				X	
FOR	DEVELOPMENT OF FAMILY MEMBERS:					
11	Provide opportunity for Jane to attend college.				X	
10	Provide money for family to take a vacation together to England.				Х	
9	Provide money for Mary to attend vocational school				Х	
5	Provide money for John to go to leaders camp	hip		X		
FOR	LON-TERM FINANCIAL SECURITY:					
6	Improve net worth by 10% per year.				X	

HOW MUCH MONEY DID THE AVERAGE FARMER SPEND, AND WITH WHOM DID HE SPEND IT? Summary by Years Austin Area

Information From Table 6B, Annual Farm Management Analysis Report

Total Money Spent in Community & \$ Service Area by One Average Farmer	Household & Personal Expenses	Real Estate Purchase & Improvement	Total Farm Operating Purchases	Farm Equipment Dealers (Power & Machinery)	For Use of Other Peoples Capital (Interest and Cash Rent)	Support of Local Government (Property Tax)	For Utilities (Electricity & Telephone)	For Extra Labor	To the Agri-Business Community For Fertilizers, Chemicals, Seeds, Feeds, Repairs and Fuel, General Farm Expense	To Other Farmers for Livestock and Custom Work \$	Farm Size (tillable acres)	Family Size
130,534	17,595	18,584	94,355	16,561	15,306	1,547	1,501	2,704	41,995	14,741	296.6	$\frac{1978}{4}$
169,206 167,818 180,5	20,265	38,033	110,908	20,459	18,467	1,909	1,818	2,996	49,139	16,120	6 309.4	1979 4
167,818	18,891	22,975	125,952	16,692	25,440	1,969	2,356	3,302	58,755	17,438	309.7	1980 4
180,562	22,466	19,808	138,288	15,584	31,978	1,836	2,593	3,693	68,515	14,089	320.9	1981 4
178,162	21,244	12,324	144,594	11,910	36,111	2,690	3,092	4,416	70,009	16,369	336.1	1982 4
62 178,162 182,200 178,549 174,495	24,158	12,885	144,594 145,157 148,063 147,092	12,671	38,476	2,953	3,216	4,117	69,509	14,215	349.1	1983 4
178,549	21,316	9,169	148,063	10,385	38,855	3,093	3,171	3,771	75,390	13,399	365.1	1984
	21,731	5,672	147,092	8,853	39,581	2,672	3,437	4,500	74,816	13,233	395.0	1985 4
182,961	23,180	7,947	151,834	10,809	33,566	2,230	3,563	5,407	80,316	15,943	423.5	1986 4

Full Time Vo-Tech Training Programs For Farming and Agri-Business in Southeastern Minnesota





Austin TI 507-433-0617 **Agri-Business** 21 Months

Ron Van Nurden

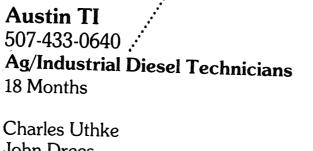
Austin TI 507-433-0617 Farm Operation and Management 19 Months ···..

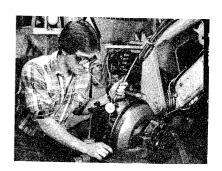
Ron Van Nurde:



507-433-0640 . 18 Months

John Drees





WABASHA

FILLMORE

WINONA

HOUSTON

OLMSTED

ADULT FARM BUSINESS MANAGEMENT PROGRAMS

