

1988 Annual Report Northeast and East Central Minnesota Report No. 33 April, 1989

AN ADULT EDUCATION PROGRAM

In cooperation with: Minnesota State Board of Vocational Technical Education; University of Minn. Agricultural Education Division; Staples Technical Institute, Staples Minnesota

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1988 REPORT OF THE FARM BUSINESS MANAGEMENT EDUCATION PROGRAM IN NORTHEAST AND EAST CENTRAL MINNESOTA DelRay Lecy - Area Agriculture Program Coordinator

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INTRODUCTION

Farm Business Management education programs have been a part of the Agriculture Education program in Minnesota schools since 1952. From the early cooperative efforts of the State Department of Education and the Department of Agriculture education (University of Minnesota), the program has expanded to serve over 6000 farm families each year in six farm management areas. Programs are now administered and managed by the State Board of Vocational Technical Education through the Technical Institutes and local school districts.

The purpose of farm management education is to help farm families achieve their farm business and family goals. This is done through improved management organization and efficiency of their farm operations. This purpose has not changed over the years.

To accomplish these purposes, programs have been organized to conform to the following guidelines:

- 1. Farm families enroll in a specific management course.
- 2. Each course has a specific objective and units of instruction to meet the objective.
- 3. Courses are offered in sequence and farmers are expected to enroll in the first of the sequence of courses.
- 4. There is continuity to each course. Each leads to the next course in the sequence.
- 5. Instruction occurs both in the classroom and on the farm with the farm family.

Programs organize their course around the same central theme. They are:

- Year 1 Farm business records and accounts.
- Year 2 Farm business analysis and evaluation.
- Year 3 Farm business organization.
- Year 4 Farm reorganization and enterprise efficiency.
- Year 5 Current issues in farm management.
- Year 6 Managing the business for family goal attainment.

Like most educational programs, members benefit from the instruction in relation to how much effort they put into study. Some farmers have benefitted 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 their analysis.

This year the farm business and enterprise analysis has been redesigned. Beginning this year, all specific and general farm expenses have been allocated to each farm enterprise. The items are: building expense, interest, utilities, insurance, and general farm expense.

The new analysis will more completely identify the expenses that each enterprise incurs. The return over listed costs for each of the enterprises may be used for family living, debt repayment, capital purchases or savings. We believe this makes the farm business analysis a more accurate report to be used for long range planning, short term cash purchase planning and cash flow projections. This report and the individual cooperators' reports were completed under the direction of DelRay Lecy, Area Ag Coordinator at the Staples Technical Institute. Directing in a supervisory capacity were: Mr. Jack Nelson, Superintendent of Staples Public Schools; Dr. Stan Edin, Director of the Staples Technical Institute; Mr. John Murray, Adult Specialist, State Board of Vocational Technical Education; Dr. Edgar Persons, Head of the Agricultural Education Division, University of Minnesota. Clerical assistance was provided by Lorraine Anderson, Shirley Judd and Shelly Johnson. Data processing was done by Specialized Data Systems in Madison, Wisconsin.

The Records used in completing this report came from farmers enrolled in the Farm Business Management programs in Northeast and East Central Minnesota. Below is a list of the Schools involved and the Instructors responsible for

these programs:

Southern Polar Center (serving Barnum, & Moose Lake)	Darrel Ober
Bemidji TI (serving Bagley, Clearbrook, Gonvick, Bemidji, Blackduck, Kelliher and Northome)	Jim Sackett, Steve Ziegler
, Duluth TI (serving St. Louis County)	Jim Takala
Foley	Kenneth Johnson
Freshwater Education District (serving Browerville, Clarissa, Eagle Bend, Bertha, Long Prairie, Pillager, Parkers Prairie, Staples and Motley	Bob Anderson Bill Ladwig Dallas Sams
Long Prairie	Robert Johnson Lloyd Laine
Little Falls	Dave Stish
Milaca	Lee Todnem
Park Rapids	Craig Paskvan
Pierz	Ben Jorgensen
Pine City TI	Roger Thompson Dave Trampe
Princeton	Wes Wankel
Staples Technical Institute - Aitkin - Elk River	Brad Irwin Terry Phillips
Upsala	Del Pepple

TABLE 1 - RESOURCES USED IN THE BUSINESS* - 1988

IT	EMS

AVERAGE OF 247 FARMS

MEASURES OF FARM SIZE

2	ACRES-TOTAL	383.8 245.6
3	-TILLABLE	
4	WORK UNITS-CROPS	118.4
5	-LIVESTOCK	366.1
6	-OTHER	4.6
7	-TOTAL	489.2
8	WORKERS-OPERATOR(S) YEAR EQUIVALENTS	1.11
9	-HIRED	.32
10	-CUSTOM	.02
11	-UNPAID FAMILY	.16
12	-TOTAL	1.61
13	CAPITAL INVESTED-PER WORKER	\$ 151634
14	-PER WORK UNIT	\$ 499

WHOLE FARM INVENTORIES

	WHOLE FARM INVENTORIES			
			JAN 1	DEC 31
22	FEEDER CATTLE	\$	3225	3649
23	MARKET HOGS		1370	1474
24	FEEDER LAMBS		16	21
25	POULTRY-ALL TYPES		62	184
26	OTHER LIVESTOCK-INCL. OTHER DAIRY		9994	10232
27	CROPS HELD FOR SALE & LIVESTOCK FEED		19423	18912
28	SUPPLIES/PREPAIDS, FUEL & LUBRICANTS		502	1050
29	ACCOUNTS RECEIVABLES & HEDGING ACCT. EQUITY		519	1314
30	DAIRY COWS	\$	32517	32380
31	OTHER DAIRY	Ŧ	9297	9866
32	BEEF BREEDING		3750	4146
33	SWINE BREEDING		1322	1220
34	SHEEP BREEDING		56	55
35	OTHER BREEDING LIVESTOCK		389	382
36	AUTO & TRUCK (FARM SHARE)		2475	2931
37	POWER & MACHINERY		24297	24382
38	LIVESTOCK EQUIPMENT		8651	8722
39	CUSTOM EQUIPMENT		109	104
40	IRRIGATION EQUIPMENT		777	711
50	BARE LAND		82020	83776
50 51	LAND IMPROVEMENTS & TILE		264	226
52	BUILDINGS-FENCES-ETC.		41838	39551
52				
60	TOTAL FARM CAPITAL	\$	242973	245288
70	INCREASE OR DECREASE IN TOTAL FARM CAPITAL	\$		2315

*TABLE 1 INCLUDES THE LANDLORD'S SHARE OF THE INVESTMENT FOR RENTED FARMS. LIVESTOCK, CROPS, SEED, AND FEED REFLECT A CONSERVATIVE MARKET PRICE AT THE TIME THE INVENTORY IS TAKEN. MACHINERY, EQUIPMENT, AND BUILDING VALUES REFLECT COST LESS DEPRECIATION.

TEMS		49 MOST PROFITABLE FARMS			49 LEAST PROFITABLE FARMS		
	MEASURES OF FARM SIZE						
2	ACRES-TOTAL		549.3		363.2		
3	-TILLABLE		381.6		222.9		
4	WORK UNITS-CROPS		187.6		112.6		
5	-LIVESTOCK		540.6		300.3		
6	-OTHER		8.0		.1		
7	-TOTAL		736.1		413.0		
8	WORKERS-OPERATOR(S) YEAR EQUIVALENTS		1.26		1.08		
9	-HIRED		.58		.24		
0	-CUSTOM		.03		.03		
1	-UNPAID FAMILY		19		.18		
2	-TOTAL		2.06		1.53		
3	CAPITAL INVESTED-PER WORKER	\$	168935		154491		
4	-PER WORK UNIT	\$	473		572		
	WHOLE FARM INVENTORIES		4	556 31	7337 1	DEC 21	
			<u>JAN 1</u>	DEC 31	<u>JAN 1</u>	DEC 31	
2	FEEDER CATTLE	\$	5489	5205	1986	2771	
3	MARKET HOGS		643	1118	2502	2883	
4	FEEDER LAMBS		7	4	73	102	
5	POULTRY-ALL TYPES			1 - 1	8	7	
6	OTHER LIVESTOCK-INCL. OTHER DAIRY		15613	17133	9609	8438	
7	CROPS HELD FOR SALE & LIVESTOCK FEED		29035	31468	15516	12190	
8	SUPPLIES/PREPAIDS, FUEL & LUBRICANTS		1208	2528	306	614	
9	ACCTS RECEIVABLE & HEDGING ACCT. EQUITY		1023	3126	207	570	
0	DAIRY COWS	\$	49873	51598	26122		
1	OTHER DAIRY		16513	18871	6929		
2	BEEF BREEDING		4722	4881	7159	7626	
3	SWINE BREEDING		663	670	2867		
4	SHEEP BREEDING		57	57	224	220	
5	OTHER BREEDING LIVESTOCK		1963	1928			
6	AUTO & TRUCK (FARM SHARE)		2265	3425	3444	2917	
7	POWER & MACHINERY		34699	35737	23966	23501	
8	LIVESTOCK EQUIPMENT		13911	14409	8883	8187	
9 9	CUSTOM EQUIPMENT		306	300			
0	IRRIGATION EQUIPMENT		396	481	1009	907	
0	BARE LAND		105521	113328	90334	90334	
1	LAND IMPROVEMENTS & TILE		653	627	154	32	
2	BUILDINGS-FENCES-ETC.		53554	51004	40589	38128	
0	TOTAL FARM CAPITAL	\$	338114	357898	241887	230854	
0	INCREASE OR DECREASE IN TOTAL FARM CAPIT	AL		19784		-11033	

TABLE 1 - RESOURCES USED IN THE BUSINESS - 1988

TAE	LE 2A - WHOLE FARM SUMMARY OF CASH RECEIPTS	<u>- 1988</u>		
		AVERAGE	HIGH	LOW
ITE	MS	OF 247	49	49
		FARMS	FARMS	FARM
1	SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS	¢ 0070	10000	6 2 6 2
2	DAIRY COWS	\$ 8078	12039	6363
3	DAIRY PRODUCTS	72085	115287	46512
4	OTHER DAIRY CATTLE	6177	11195	5709
5	BEEF BREEDING CATTLE	2841	4061	4211
6	BEEF FEEDER CATTLE	2290	1170	498
7	HOGS COMPLETE AND MIXED	2171	644	3975
8	HOGS FINISHING	1585	1412	2935
9	HOGS PRODUCING FEEDER PIGS	2057	2125	3528
10	SHEEP, GOATS, WOOL, BREEDING	68	71	272
11	SHEEP, GOATS, WOOL, FEEDING			
12	POULTRY, ALL FOWL	27	9	1
13	EGGS	460	2	34
14	CUSTOM/CONTRACT LIVESTOCK FEEDING	100		51
14	OTHER PRODUCTIVE LIVESTOCK	41	209	
		142	642	60
16	OTHER MISCELLANEOUS LIVESTOCK INCOME			68
17	TOTAL SALES OF PRODUCTIVE LIVESTOCK	\$ 98022	149464	74108
20	SALE OF CROPS			
21	WHEAT	115	546	
22	DURUM			
23	OTHER SMALL GRAIN	636	916	185
24	CORN	2017	4959	2327
25	SOYBEANS	771	1735	1416
26	SUNFLOWERS			
27	GRAIN SORGHUM & OTHER ROW CROPS	16	80	
28	LEGUMES & OTHER ROUGHAGE	769	1068	885
29	GRASS SEED	62	314	005
30	FRUITS & NUTS	02	JIT	
		00		
31	VEGETABLES, ROADSIDE MARKET & SPECIALTY	89		154
32	NURSERY, TIMBER & OTHER	49	4151	154
<u>33</u> 34	SALE OF CROPS & SUPPLIES PURCH FOR RESALE TOTAL SALES FROM CROPS AND SUPPLIES	<u> </u>	<u>4151</u> 13768	<u> </u>
74		Ç 501,	13700	5557
10	GOVERNMENT PAYMENTS & SET ASIDE ACRES	8636	14904	7127
1 1	GAS TAX REFUND	12	6	18
12	INCOME FROM WORK OFF THE FARM	453	1181	178
13	CUSTOM WORK ENTERPRISE INCOME	792	289	
14	PATRONAGE REFUNDS (CASH 999, EQUITY 342)	867	1031	810
15	MISCELLANEOUS FARM INCOME	1323	2195	1216
16	TOTAL OTHER FARM INCOME	12083	19606	9350
17	TOTAL FARM OPERATING INCOME	\$ 115923		88815
			_	
50	AUTO, TRUCK, & MACHINERY SOLD	310	611	157
51	IRRIGATION EQUIPMENT SOLD			
52	CUSTOM WORK EQUIPMENT SOLD			_
53	LIVESTOCK EQUIPMENT SOLD	33		9
4	BUILDINGS & FENCE SOLD			
5	LAND & LAND IMPROVEMENTS SOLD	263	1324	
6	FARM CAPITAL LEASE INCOME	113	132	16
7	TOTAL FARM CAPITAL SALES	719	2067	182
8	TOTAL FARM SALES	\$ 116642	184904	88996
<u>م</u>		0015	10704	
0	INCREASE IN FARM CAPITAL	2315		700
1	FAMILY LIVING FROM THE FARM		1303	729
2	TOTAL FARM RECEIPTS $(58)+(60)+(61)$	\$ 119772	205991	89725

TABLE 2A - WHOLE FARM SUMMARY OF CASH RECEIPTS - 1988

4 PURCHASE OF LI	TEMS		F 247	49	49
4 PURCHASE OF LT			FARMS	FARMS	FARMS
	VESTOCK			1045	F 00
5 DAIRY COWS		\$	1709	1845	598
6 OTHER DAIRY CA			1082	2397	
7 BEEF BREEDING	CATTLE		471	321	1513
8 BEEF FEEDER CA	TTLE		647		
9 HOGS COMPLETE	AND MIXED		31	4	79
10 HOGS FINISHING	, J		404	912	439
11 HOGS PRODUCING	FEEDER PIGS		111		202
12 SHEEP AND GOAT					
13 SHEEP, FEEDERS	,)				_
14 POULTRY, ALL F			143	2	3
15 CUSTOM/CONTRAC	T LIVESTOCK FEEDING				
16 OTHER PRODUCTI	VE LIVESTOCK		27	135	
	ESTOCK PURCHASES	\$	4626	5616	3538
			7020	11100	F 374
20 VET, BREEDING,	& MISC. LIVESTOCK EXPENSE		7039	11192	5374
	OPS/SUPPLIES FOR RESALE		1160	3576	484
22 FEED BOUGHT			26478	33271	24091
23 FERTILIZER			4759	8471	3856
24 CHEMICALS			1370	2523	1340
25 OTHER CROP EXP			3140	5764	2230
	RATING EXPENSE		63	60	42
27 CUSTOM WORK OP	PERATION COSTS EXCLUDING LABOR		697	33	
28 CUSTOM WORK HI	RED		3392	4555	2999
	UBRICANTS (FARM SHARE)		3107	4479	2919
30 REPAIR & UPKEE	P OF LIVESTOCK EQUIPMENT		1452	2295	1367
31 REPAIR & UPKEE	P OF FARM REAL ESTATE		949	1544	821
32 REPAIR & OPER.	OF MACH., TRACTOR, TRUCK, AUTO		4841	6790	4596
33 REPAIR & UPKEE	P OF IRRIGATION EQUIPMENT		27	56	24
34 REPAIR & UPKEE	P OF CUSTOM WORK ENTERPRISE		50	167	
35 TOTAL ALL			7319	10852	6799
36 WAGES OF HIRED	LABOR		4650	7417	5165
37 PERSONAL PROPE	RTY & REAL ESTATE TAXES		1048	1756	1041
38 GENERAL FARM E			2265	3217	2090
39 UTILITIES			3355	4709	3073
	H OPERATING EXPENSE	\$	74468	107491	65041
			C000	10056	4877
	MACHINERY BOUGHT		6008	10056	40//
51 IRRIGATION EQU			37	143 24	
	UIPMENT BOUGHT		5		1051
53 LIVESTOCK EQUI	PMENT BOUGHT		1694	2745	1051
	E-BUILDINGS & IMPROVEMENTS		1076	2270	682
	E-LAND & IMPROVEMENTS		2420	9558	1417
	EASE PAYMENTS, EXCEPT LAND			2475	535
	ITAL PURCHASES			27272	8562
	AL FARM PURCHASES	\$	86799	134763	
60 DECREASE IN FA					11033
61 INTEREST ON FA	ARM CAPITAL (7% CHARGE)		17089		16546
62 UNPAID FAMILY			884	1098	881
63 BOARD FURNISHE	D HIRED LABOR		183		418
64 TOTAL FAF	RM EXPENSE	\$	104955	160333	102481
	FARM OPER LABOR & MGMT(2A/62)-(64)	\$	14817	45658	-12756
70***RET TO WHOLE F 71 NUMBER OF OPEF		Ŷ	14017	49090 1]
			1.10	1.26	1.08
	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
72 FULL TIME OPER	RATOR EQUIVALENTS <u>& MGMT/FULL TIME OP EQUIV(70/72)</u>	¢			

2 3)F 247 FARMS	49 FARMS	LOW 49 FARMS
			111111		
3	<u>RETURNS & NET INCREASES</u>				
	PRODUCTIVE LIVESTOCK				
5	NET LIVESTOCK LEASE INCOME	\$	-5		-13
6	DAIRY COWS CATTLE		68629		
7	OTHER DAIRY CATTLE		17058	31041	
8	BEEF BREEDING CATTLE		3105	4573	3625
9	BEEF FEEDER CATTLE		1530	755	752
10	HOGS COMPLETE AND MIXED		2191	729	4204
11	HOGS FINISHING ENTERPRISE		1063	912	2081
12	PRODUCING FEEDER PIGS		2057	2124	3388
13	SHEEP & GOATS AND WOOL		74	69	303
14	SHEEP & GOATS FEEDERS				
15	POULTRY, ALL FOWL		470	7	36
16	CONTRACT LIVESTOCK		2.0		
10	OTHER PRODUCTIVE LIVESTOCK		123	618	
	TOTAL ALL PRODUCTIVE LIVESTOCK	\$		152068	67586
18	VALUE OF FEED FED TO LIVESTOCK	Ŷ	48700	70620	39540
19	RETURN OVER FEED FROM LIVESTOCK	Ś	47596	81448	28046
20		Ş	25728	48737	16784
21	CROP, SEED, & FEED		8809	15584	7166
22	FERTILIZER, CHEMICALS, SEED, & OTHER	č	16919	33154	9619
23	RETURN OVER DIRECT COSTS: CROPS	Ş		575	-93
24	CROPS & SUPPLIES PURCH FOR RESALE (NET)		132		-93 810
25	COOPERATIVE PATRONAGE REFUNDS		867	1031	
26	MISCELLANEOUS FARM INCOME/ACCTS RECEIVABLE		2048	3952	1579
27	CUSTOM WORK ENTERPRISE		25	13	710.
28	GOVERNMENT PAYMENT & SET ASIDE		8636	14904	7127
29	TOTAL RETURNS & NET INCREASES	\$	76223	135077	47088
30	EXPENSES & NET DECREASES		2000	4004	2016
31	TRUCK & AUTO (FARM SHARE)	\$	3989		
32	TRACTORS & CROP MACHINERY		11760	17154	11377
33	IRRIGATION EQUIPMENT		131	114	126
34	UTILITIES		3355		3073
35	LIVESTOCK EQUIPMENT		3389		3216
36	BUILDINGS & FENCES		4875		4349
37	LAND IMPROVEMENTS, & TILE		245	657	301
38	LAND		181	-193	
39	VET & MISC. LIVESTOCK EXPENSE		7039		
10	ALL LABOR COSTS-PAID & UNPAID		6040	8740	7194
11	PROPERTY TAX		1048	1756	1041
12	GENERAL FARM EXPENSE		2265	3217	2090
13	INTEREST ON FARM CAPITAL (7% OPPORTUNITY CHG.)		17089	24360	16546
14	TOTAL EXPENSES & NET DECREASES	\$	61411		
15**	*RETURN TO WHOLE FARM OPERATOR LABOR & MGMT	\$	14812	45656	-12757
16	NUMBER OF FARM OPERATORS		1	1	
17			1.10	1.26	1.08
18 18	RETURN TO OPER LABOR & MGMT./FULL TIME OPER	Ś	13470		

TABLE 3 COMBINES TABLE 1, 2A, AND 2B. CASH RECEIPTS AND EXPENSES ARE ADJUSTED FOR CHANGES IN INVENTORY FOR EACH ENTERPRISE AND FOR EACH CATEGORY OF EXPENSE IN ORDER TO SHOW NET INCREASES AND DECREASES. THE RESULTING RETURN TO OPERATOR'S LABOR AND MANAGEMENT IS THE SAME AS THE FIGURE FOUND ON LINE 70 OF THE PREVIOUS PAGE.

AUTENALE PHR HIGH LTW TTEMES OF 62 ADULT 15 16 4 MUMBER OF PERSONS-FAMILY 3.2 ADULT 4 4 5 MUMBER OF ADULT EQUIVARITS-FAMILY 3.2 3.1 3.0 6 NON FREM INCOME S.2 3.1 3.0 7 OUISIDE INVESTMENT INCOME S.977 855 2059 9 SALE OF LINES, ALTO & TRUCK (PR. SH.) 58 3763 12379 9 SALE OF LINES, ALTO & TRUCK (PR. SH.) 58 3763 12379 10 NET CASH FROM NON FARM BUSINESS 317 .152 .690 11 TOTAL NON FARM BUSINESS 317 .152 .690 14 CHURCH & CHARTY 643 201 595 .399 15 MEDICA CARE & IRAUTH INSURANCE 2338 1164 782 16 PEORONAL CARE, FERSINAL 1082 338 116 783 17 CHARTINE SERERES ASUPLIES 1117 <td< th=""><th>TABL</th><th>E 4 - NON FARM INCOME & HOUSEHOLD PERSONAL EX</th><th>PENSE -</th><th>1988</th><th></th><th></th></td<>	TABL	E 4 - NON FARM INCOME & HOUSEHOLD PERSONAL EX	PENSE -	1988		
FARMS EQUIV FARMS EQUIV FARMS FARMS 4 NUMBER OF PERSONS-FAMILY 3.2 3.1 3.0 6 NON FARM INCOME 977 555 2059 7 OUTSIDE INVESTMENT INCOME \$977 555 2059 9 SALE OF DWELLING, AUTO & TRUCK (PR. SH.) 58 105 100 10 NET CASH FROM NON FARM INCOME \$7849 2453 5075 15127 HOUSENGLD, EXPENSE 1111 TOTAL NON FARM INCOME \$7849 2453 5075 15127 HOUSENGLD, CARE & HEALTH INSURANCE 2537 793 2884 1661 16 FOOD & MEALS EQUITHING MATTINE TO DETAIL 4640 4014 709 17 OPERATING EXPENSE 1178 366 1311 1183 18 FUNCHING & MUTENIAIS 997 364 4014 702 10 OPERATING EXPENSE & SUPPLIES 1178 366 115 93 525 20 PERSONAL CARE, PERSONAL SPENDING <td< th=""><th></th><th></th><th>AVERAGE</th><th>PER</th><th></th><th></th></td<>			AVERAGE	PER		
4 NUMPER OF PERSONS-FAMILY 4 <td>ITEM</td> <td>S</td> <td></td> <td></td> <td></td> <td></td>	ITEM	S				
5 NUMERER OF ADJUT EQUIVALENTS-FAMILY 3.2 3.1 3.0 6 NON PARM INCOME \$977 955 2059 0 OTTER PERSONAL INCOME & INCOME TAX REFUND 6498 3763 12379 9 SALE OF DWELLING, AUTO & TRUCK (PR. SH.) 58 105 10 NET CASH FROM NON FARM BUSINESS 317 352 .690 11 TUTAL NON FARM BUSINESS 317 352 .690 11 TUTAL NON FARM BUSINESS 317 .352 .690 12 FAMILY DEAN (ALTERNATIVE TO DETAIL)	1	NUMBER OF REDCONC FAMILY		EQUIV		
NON FRAM INCOME Substrate Substrate 7 OUTSIDE INVESTMENT INCOME \$\$ 977 \$\$ 55 2059 7 ONTERE PERSONAL INCOME TAX REFUND 6498 376.3 12379 9 SALE OF DIRELLING, AUTO & TRUCK (PR. SR.) 58 10 10 10 NET CASH FROM NON FARM BUSINESS 317 352 690 11 TUTAL NON FARM BUSINESS 317 352 690 11 TUTAL NON FARM BUSINESS 317 352 690 14 CHURCH & CHARTY 643 201 595 399 15 MEDICAL CARE & HEALTH INSURANCE 2537 793 2884 1661 16 POOD & HEALS BOUST 1334 4696 4014 17 OPERAINS EXPENSE & SUPLIES 1178 368 1311 1183 18 FURNISHINGS & EQUIPHENT 1092 336 1164 782 19 CLOTHING & CARET, PERSONAL 377 243 832 540 20 GLTES & SPECIAL EVENT						
7 OUTSIDE INVESTMENT INCORE \$ 977 655 2059 8 OTHER PERSONAL INCORE NICOM EXERPTING 6498 376.3 12379 9 SALE OF DREILING, ANTO A TRUCK (PR. SH.) 58 100 552 590 10 TUTAL, NON PARM INCOME \$ 7849 2453 5075 15127 HOUSENHOLD EXPENSE INTAL, NON PARM INCOME \$ 7849 2453 5075 15127 HOUSENHOLD EXPENSE AULTERNATIVE TO DETAIL) 643 201 595 399 14 CHURCH & CLIARTIY 643 201 595 399 15 MEDICAL CARE & HEALTH INSURANCE 2537 773 2884 4661 12 PERSONAL CARE, PERSONAL SPENDING 734 229 1026 566 19 CLIDTHING & CLOTHING MATERIALS 987 308 997 864 20 PERSONAL CARE, PERSONAL 366 115 93 525 21 RECARATION 7777 7243 832			5.2		0.1	5.0
6 OTHER 'DESCINAL INCOME' SALE OF DAELLING, AUTO & TRUCK (PR. SH.) 58 105 9 SALE OF DAELLING, AUTO & TRUCK (PR. SH.) 58 105 10 TOTAL, NON FARM INCOME \$7849 2453 5075 15127 HOUSENLD EXPENSE 11 TOTAL, NON FARM INCOME \$7849 2453 5075 15127 HOUSENLD EXPENSE 11 TOTAL, NON FARM INCOME \$7849 2453 5075 15127 HOUSENLD EXPENSE 117 362 131 1183 161 793 2884 1661 16 FOOD & MEALS BOUGHT 4270 1334 4696 4014 17 OPERATING EXPENSE & SUPPLIES 1178 368 1311 1183 18 FUNNISHINGS & EQUIPMENT 1082 308 997 864 20 PERSONAL CARE, PERSONAL SPENDING 734 223 1026 566 12 B0175 SPECIAL EVENTS 843 263 915 579 21 TOT CASH HOUSENGLD DETAIL EXP(L14-L24) <			977		855	2059
9 SALE OF DORELLING, AITO: & TRUCK (PR. SH.) 58 105 10 NET CASH FROM NON FARM BUSINESS 317 352 690 11 TUTAL, NON FARM INCOME \$ 7849 2453 5075 15127 HOUSERHOLD EXPENSE 1 FARILY DRAW (AUTERNATUVE TO DETAIL) 643 201 595 399 14 CHURCH & CHARTHY 643 201 595 399 15 MEDICAL CARE & HEALTH INSURANCE 2537 793 2884 1661 16 FOOD & MEALS BOUGHT 1082 338 1164 782 19 CLOTHING & CLOTHING MATERIALS 987 308 997 864 21 PERSONAL CARE, PERSONAL 366 115 93 525 22 RECREATION 777 724 832 540 23 GIFTS & SPECIAL EXPLORMENT 3624 4258 15008 1201 26 TRUCK & AUTO EXPENSE: PERSONAL 905 283 675 1045 27		+ + · · · · · · · · · · · · · ·				
Image: 10 NET CASH FEOM NON PARM BUSTNESS 317 352 590 11 TUTAL NON PARM INCOME \$ 7849 2453 5075 15127 HOLSCHOLD EXPENSE FAMILY DRAW (ALTERNATIVE TO DETAIL)					105	
II TOTAL NON FARM INCOME \$ 7849 2453 5075 15127 HOUSHFOLD EXENSE FAMILY DRAW (ALTERNATIVE TO DETAIL) 643 201 595 399 14 CHURCH & CHARITY 643 201 595 399 15 MEDICAL CARE & HEALTH INSURANCE 2537 793 2884 1661 16 FOOD & MEALS BOUGHT 4270 1334 4695 4014 17 OPERATING EXPENSE & SUPPLIES 1178 368 1311 1183 19 CLOTHING MATERIALS 987 308 997 864 20 PERSONAL CARE, PERSONAL SPENDING 734 229 1026 566 21 RECREATION 777 243 832 540 23 GIFTS & SPECIAL EVENTS 843 263 1507 1045 24 PERSONAL INTEREST 206 64 495 88 245 TOT CASH HOUSENDLE PERSONAL 301 113 689 81 26 <td></td> <td></td> <td>317</td> <td></td> <td>352</td> <td><u>690</u></td>			317		352	<u>690</u>
13 FAMILY DRAW (ALTERNATIVE TO DETAIL) 14 CHURCH & CHARITY 643 201 595 399 15 MEDICAL CARE & HEALTH INSURANCE 2537 793 2884 1661 16 FOOD & MEALS BOUGHT 4270 1334 4696 4014 17 OPERATING SKEPENSE & SUPPLIES 1178 358 131 1183 18 FURNISHINGS & EQUIPMENT 1082 338 1164 782 19 CLOTHING & CLOTHING MATERIALS 987 308 997 864 20 PERSONAL CARE, PERSONAL SPENDING 734 229 1026 566 21 EDUCATION 777 243 832 540 23 GIFTS & SPECIAL EVENTS 843 263 915 579 24 PERSONAL INTEREST 206 64 495 88 25 TOT CASH HOUSEHOLD DETAIL EXP(L14-L24) \$ 13624 4258 15008 11201 26 TRUCK & AUTO EXPENSONAL 905 283	-		7849	2453	5075	15127
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16 FOOD & MEALS BOUGHT 4270 1334 4696 4014 17 OPERATING EXPENSE & SUPPLIES 1178 368 1311 1183 18 FURNISHINGS & EQUIPHENT 1082 338 1164 782 19 CLOTHING & CLORHING MATERIALS 987 308 997 864 20 PERSONAL CARE, PERSONAL SPENDING 734 229 1026 566 21 CLOTHING & ALTON 368 115 93 525 22 RECREATION 368 132 263 915 579 24 PERSONAL INTEREST 206 64 495 88 25 TOT CASH HOUSENDLD DETAIL EXP(L14-L24)\$ 1361 113 669 81 26 TOT CASH HOUSENDAL 905 283 675 1045 20 FRESONAL 301 122 103 22 40 57 21 TOTAL CASH LIVING & Q OPERATING EXP. 5 15833 4948 17649 1323	14					
17 OPERATING EXPENSE & SUPPLIES 1178 368 1311 1183 18 FURNISHINSS & EQUIPMENT 1082 338 1164 782 19 CLOTHING & AUDIPMENT 1082 338 1164 782 20 PERSONAL CARE, PERSONAL SPENDING 734 229 1026 566 21 EDUCATION 368 115 93 525 22 RECREATION 777 243 832 540 23 GIFIS & SPECIAL EVENTS 843 263 915 579 24 PERSONAL INTEREST 206 64 495 88 25 TOT CASH HOUSENDAL 361 113 669 81 26 TRUCK & AUTO EXPENSE: PERSONAL 905 283 675 1045 26 TOTAL CASH LIVING & OPERATING EXP. \$15833 4948 17649 13230 27 TELEPIONE & ELECTRICITY EXPENSE: PERSONAL 1078 337 2065 589 31 TOTAL CASH L						
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19 CLOTHING & CLOTHING MATERIALS 987 308 997 864 20 PERSONAL CARE, PERSONAL SPENDING 734 229 1026 566 21 EDUCATION 368 115 93 525 22 RECREATION 777 243 832 540 23 GIFTS & SPECIAL EVENTS 843 263 915 579 24 PERSONAL INTEREST 206 64 495 88 25 TOT CASH HOUSEHOLD DETAIL EXP(L14-L24)\$ 13624 4258 15008 11201 26 TRUCK & AUTO EXPENSE: PERSONAL 905 283 675 1045 27 UPREPON DWELLING: PERSONAL 103 32 240 57 31 TOTAL CASH LUTING & OPERATING EXP. \$15833 4948 17649 13230 32 NEW TRUCK & AUTO: PERSONAL 1078 337 2065 589 33 NEW DWELLING, BUILDINCS, LAND EOUCHT: PER. 1464 458 656 869 34 TAXES & OTHER DEDUCTIONS 1177 368 1203 1837				368	1311	
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22 RECREATION 777 243 832 540 23 GIFTS & SPECIAL EVENTS 843 263 915 579 24 PERSONAL INTEREST 206 64 495 88 25 TOT CASH HOUSEHOLD DETAIL EXP(L14-L24)\$ 13624 4258 15008 11201 26 TRUCK & AUTO EXPENSE: PERSONAL 905 283 675 1045 29 TELEPHON E & ELECTRICITY EXPENSE: PERSONAL 361 113 689 81 28 CASH RENT: PERSONAL 103 32 240 57 31 TOTAL CASH LIVING & OPERATING EXP. \$15833 4948 17649 13230 32 NEW TRUCK & AUTO: PERSONAL 1078 337 2065 589 34 TAXES & OTHER DEDUCTIONS 1177 368 1203 1837 35 LIFE INSURANCE 502 157 652 380 36 PAID ON PERSONAL DEBT (PRINCIPAL) 432 135 398 402 36 PA				229	1026	
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28 CASH RENT: PERSONAL 29 TELEPHONE & ELECTRICITY EXPENSE: PERSONAL 839 262 1036 845 30 GENERAL FARM EXPENSE: PERSONAL 103 32 240 57 31 TOTAL CASH LIVING & OPERATING EXP. \$15833 4948 17649 13230 32 NEW TRUCK & AUTO: PERSONAL 1078 337 2065 589 33 NEW DWELLING, BUILDINGS, LAND BOUCHT: PER. 1464 458 656 869 34 TAXES & OTHER DEDUCTIONS 1177 368 1203 1837 35 LIFE INSURANCE 502 157 652 380 36 PAID ON PERSONAL DEET (PRINCIPAL) 432 133 398 402 37 SAVINCS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 593 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 SUPPLEMENTARY INFORMATION 41 16 55 370 338						
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31 TOTAL CASH LIVING & OPERATING EXP. \$ 15833 4948 17649 13230 32 NEW TRUCK & AUTO: PERSONAL 1078 337 2065 589 33 NEW DWELLING, BUILDINGS, LAND BOUCHT: PER. 1464 458 656 869 34 TAXES & OTHER DEDUCTIONS 1177 368 1203 1837 35 LIFE INSURANCE 502 157 652 380 36 PAID ON PERSONAL DEBT (PRINCIPAL) 432 135 398 402 37 SAVINGS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 595 38 TOTAL NON FARM CASH EXPENSE \$ 21190 6622 23589 17901 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 \$ SUPPLEMENTARY LIVING FROM THE FARM 44 MILK & CREAM (QUARTS) \$ 265 370 338 43 FAMILY LIVING FROM THE FARM 441 16 55 44 MILK & CREAM (QUARTS) \$ 265					240	57
32 NEW TRUCK & AUTO: PERSONAL 1078 337 2065 589 33 NEW DWELLING, BUILDINGS, LAND BOUGHT: PER. 1464 458 656 869 34 TAXES & OTHER DEDUCTIONS 1177 368 1203 1837 35 LIFE INSURANCE 502 157 652 380 36 PAID ON PERSONAL DEET (PRINCIPAL) 432 135 398 402 37 SAVINGS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 595 38 TOTAL NON FARM CASH EXPENSE \$ 21190 6622 23589 17901 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 44 MILY LIVING FROM THE FARM 778 243 1073 693 45 BEEF & BUFFALO (POUNDS) 41 16 55 44 MILY LIVING FROM THE FARM 133 1073 693 45 BEEF & BUFFALO (POUNDS) 2 133 1073 693			15833	4948	17649	13230
33 NEW DWELLING, BUILDINGS, LAND BOUGHT: PER. 1464 458 656 869 34 TAXES & OTHER DEDUCTIONS 1177 368 1203 1837 35 LIFE INSURANCE 502 157 652 380 36 PAID ON PERSONAL DEBT (PRINCIPAL) 432 135 398 402 37 SAVINGS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 595 38 TOTAL NON FARM CASH EXPENSE \$ 21190 6622 23589 17901 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL FAMILY LIVING FROM FARM 778 243 1073 693 41 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 SUPPLEMENTARY INFORMATION 44 MILK & CREAM (QUARTS) \$ 265 370 338 45 BEEF & BUFFALO (POUNDS) 41 16 55 46 PORK (POUNDS) 41 16 55 47 LAME, MUTTON, GOAT (POUNDS) 2 13 48			1078	337	2065	589
35 LIFE INSURANCE 502 157 652 380 36 PAID ON PERSONAL DEBT (PRINCIPAL) 432 135 398 402 37 SAVINGS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 595 38 TOTAL NON FARM CASH EXPENSE \$ 21190 6622 23589 17901 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 41 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 500 SUPPLEMENTARY INFORMATION 410 16 55 43 FAMILY LIVING FROM THE FARM 41 16 55 44 MILK & CREAM (QUARTS) \$ 265 370 338 45 BEEF & BUFFALO (POUNDS) 41 16 55 47 LAMB, MUTTON, GOAT (POUNDS) 2 13 48 POULTRY, ALL FOWL (POUNDS) 13 14 50 VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD 13 <			1464	458	656	
36 PAID ON PERSONAL DEBT (PRINCIPAL) 432 135 398 402 37 SAVINGS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 595 38 TOTAL NON FARM CASH EXPENSE \$ 21190 6622 23589 17901 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL FAMILY LIVING FROM FARM 778 243 1073 693 41 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 311 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 312 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 314 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 314 BEEF & BUFFALO (POUNDS) 470 687 287 43 PORK (POUNDS) 41 16 55 44 MILY LIVING FROM THE FARM 1073 693 45 DOULTRY, ALL FOWL (POUNDS) 2 13 47 LAMB, MUTTON,	34	TAXES & OTHER DEDUCTIONS				
37 SAVINGS & INVESTMENTS (EXCLUDING LIFE INS) 704 220 966 595 38 TOTAL NON FARM CASH EXPENSE \$ 21190 6622 23589 17901 39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL FAMILY LIVING FROM FARM 778 243 1073 693 41 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 SUPPLEMENTARY INFORMATION 44 MILK & CREAM (QUARTS) \$ 265 370 338 45 BEEF & BUFFALO (POUNDS) 41 16 55 45 BEER & BUFFALO (POUNDS) 2 41 16 55 47 LAMB, MUTTON, GOAT (POUNDS) 2 13 13 49 EGGS (DOZEN) 13 1073 693 50 VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD 1073 693 51 TOTAL FAMILY LIVING FROM THE FARM 778 1073 693 52 CALCULATED LIVING EXPENSE 27265 54071 <td< td=""><td>35</td><td></td><td></td><td></td><td></td><td></td></td<>	35					
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39 NON FARM EXP. MINUS NON FARM INC 13341 4169 18514 2773 40 TOTAL FAMILY LIVING FROM FARM 778 243 1073 693 41 TOTAL CASH & NON CASH EXPENSES \$ 21968 6865 24662 18593 SUPPLEMENTARY INFORMATION 43 FAMILY LIVING FROM THE FARM 44 MILK & CREAM (QUARTS) \$ 265 370 338 45 BEEF & BUFFALO (POUNDS) 470 687 287 46 PORK (POUNDS) 41 16 55 47 LAMB, MUTTON, GOAT (POUNDS) 2 13 48 POULTRY, ALL FOWL (POUNDS) 13 13 49 EGGS (DOZEN) 13 1073 693 50 VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD 1073 693 51 TOTAL FAMILY LIVING FROM THE FARM 778 1073 693 52 CALCULATED LIVING EXPENSE 5 54071 9084 53 TOTAL FAMILY LIVING \$ 19891 28184 17047 54 MINUS CHANGE IN NET WORTH \$ 7374 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
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SUPPLEMENTARY INFORMATION43FAMILY LIVING FROM THE FARM44MILK & CREAM (QUARTS)\$ 26545BEEF & BUFFALO (POUNDS)47046PORK (POUNDS)4147LAME, MUTTON, GOAT (POUNDS)248POULITRY, ALL FOWL (POUNDS)249EGGS (DOZEN)1350VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD107351TOTAL FAMILY LIVING FROM THE FARM77852CALCULATED LIVING EXPENSE53TOTAL FAMILY INCOME54MINUS CHANGE IN NET WORTH55APPARENT FAMILY LIVING56TOTAL FAM LIVING/WORK UNIT: CALC.54MINUS (MORK UNIT: CALC.54MINUS (MORK UNIT: CALC.54MINUS (MORK UNIT: CALC.						
43FAMILY LIVING FROM THE FARM44MILK & CREAM (QUARTS)\$ 26537033845BEEF & BUFFALO (POUNDS)47068728746PORK (POUNDS)41165547LAMB, MUTTON, GOAT (POUNDS)21348POULTRY, ALL FOWL (POUNDS)21349EGGS (DOZEN)1350VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD51107351TOTAL FAMILY LIVING FROM THE FARM \$ 778107369352CALCULATED LIVING EXPENSE5370TAL FAMILY INCOME\$ 2726553TOTAL FAMILY INCOME\$ 2726554071908454MINUS CHANGE IN NET WORTH\$ 737425887-796355APPARENT FAMILY LIVING\$ 19891281841704756TOTAL FAM LIVING/WORK UNIT: CALC.\$ 433243	41	TUTAL CASH & NUN CASH EXPENSES \$	21900	6000	24002	10333
44 MILK & CREAM (QUARTS) \$ 265 370 338 45 BEEF & BUFFALO (POUNDS) 470 687 287 46 PORK (POUNDS) 41 16 55 47 LAMB, MUTTON, GOAT (POUNDS) 2 13 48 POULITRY, ALL FOWL (POUNDS) 2 13 49 EGGS (DOZEN) 13 16 55 50 VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD 13 693 51 TOTAL FAMILY LIVING FROM THE FARM \$ 778 1073 693 52 CALCULATED LIVING EXPENSE 54071 9084 53 TOTAL FAMILY INCOME \$ 27265 54071 9084 54 MINUS CHANGE IN NET WORTH \$ 7374 25887 -7963 55 APPARENT FAMILY LIVING \$ 19891 28184 17047 56 TOTAL FAM LIVING/WORK UNIT: CALC. \$ 43 32 43		SUPPLEMENTARY INFORMATION				
44 MILK & CREAM (QUARTS) \$ 265 370 338 45 BEEF & BUFFALO (POUNDS) 470 687 287 46 PORK (POUNDS) 41 16 55 47 LAMB, MUTTON, GOAT (POUNDS) 2 13 48 POULITRY, ALL FOWL (POUNDS) 2 13 49 EGGS (DOZEN) 13 16 55 50 VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD 13 693 51 TOTAL FAMILY LIVING FROM THE FARM \$ 778 1073 693 52 CALCULATED LIVING EXPENSE 54071 9084 53 TOTAL FAMILY INCOME \$ 27265 54071 9084 54 MINUS CHANGE IN NET WORTH \$ 7374 25887 -7963 55 APPARENT FAMILY LIVING \$ 19891 28184 17047 56 TOTAL FAM LIVING/WORK UNIT: CALC. \$ 43 32 43						
45BEEF & BUFFALO (POUNDS)47068728746PORK (POUNDS)41165547LAMB, MUTTON, GOAT (POUNDS)21348POULTRY, ALL FOWL (POUNDS)1349EGGS (DOZEN)1350VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD1351TOTAL FAMILY LIVING FROM THE FARM \$ 778107352CALCULATED LIVING EXPENSE5353TOTAL FAMILY INCOME\$ 2726554MINUS CHANGE IN NET WORTH\$ 737455APPARENT FAMILY LIVING\$ 1989156TOTAL FAM LIVING/WORK UNIT: CALC.\$ 4357TOTAL FAM LIVING/WORK UNIT: CALC.\$ 43			0.05		270	220
46PORK (POUNDS)41165547LAME, MUTTON, GOAT (POUNDS)21348POULTRY, ALL FOWL (POUNDS)1349EGGS (DOZEN)1350VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD107351TOTAL FAMILY LIVING FROM THE FARM \$ 778107352CALCULATED LIVING EXPENSE53TOTAL FAMILY INCOME\$ 2726554MINUS CHANGE IN NET WORTH\$ 737455APPARENT FAMILY LIVING\$ 1989156TOTAL FAM LIVING/WORK UNIT: CALC.\$ 43573243						
1010 Intraction (100 mbs)247LAMB, MUTTON, GOAT (POUNDS)248POULTRY, ALL FOWL (POUNDS)1349EGGS (DOZEN)1350VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD51TOTAL FAMILY LIVING FROM THE FARM \$ 778107352CALCULATED LIVING EXPENSE53TOTAL FAMILY INCOME\$ 2726554MINUS CHANGE IN NET WORTH\$ 737455APPARENT FAMILY LIVING\$ 1989156TOTAL FAM LIVING/WORK UNIT: CALC.\$ 433243		· · · · ·				
48POULTRY, ALL FOWL (POUNDS)1349EGGS (DOZEN)1350VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD51TOTAL FAMILY LIVING FROM THE FARM \$ 778107352CALCULATED LIVING EXPENSE53TOTAL FAMILY INCOME\$ 2726554MINUS CHANGE IN NET WORTH\$ 737455APPARENT FAMILY LIVING\$ 1989156TOTAL FAM LIVING/WORK UNIT: CALC.\$ 433243					10	55
49EGGS (DOZEN)50VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD51TOTAL FAMILY LIVING FROM THE FARM \$ 77852CALCULATED LIVING EXPENSE53TOTAL FAMILY INCOME54MINUS CHANGE IN NET WORTH55APPARENT FAMILY LIVING56TOTAL FAM LIVING/WORK UNIT: CALC.574358325943			2			13
50VEGETABLES, FRUITS, SPUDS, OTH PROD & WOOD51TOTAL FAMILY LIVING FROM THE FARM\$778107369352CALCULATED LIVING EXPENSE53TOTAL FAMILY INCOME\$2726554071908454MINUS CHANGE IN NET WORTH\$737425887-796355APPARENT FAMILY LIVING\$19891281841704756TOTAL FAM LIVING/WORK UNIT: CALC.\$433243						15
51 TOTAL FAMILY LIVING FROM THE FARM \$ 778 1073 693 52 <u>CALCULATED LIVING EXPENSE</u> 53 TOTAL FAMILY INCOME \$ 27265 54071 9084 54 MINUS CHANGE IN NET WORTH \$ 7374 25887 -7963 55 APPARENT FAMILY LIVING \$ 19891 28184 17047 56 TOTAL FAM LIVING/WORK UNIT: CALC. \$ 43 32 43						
52 CALCULATED LIVING EXPENSE 53 TOTAL FAMILY INCOME 54 MINUS CHANGE IN NET WORTH 55 APPARENT FAMILY LIVING 56 TOTAL FAM LIVING/WORK UNIT: CALC.					1073	693
53 TOTAL FAMILY INCOME \$ 27265 54071 9084 54 MINUS CHANGE IN NET WORTH \$ 7374 25887 -7963 55 APPARENT FAMILY LIVING \$ 19891 28184 17047 56 TOTAL FAM LIVING/WORK UNIT: CALC. \$ 43 32 43			110		1075	055
54 MINUS CHANGE IN NET WORTH \$ 7374 25887 -7963 55 APPARENT FAMILY LIVING \$ 19891 28184 17047 56 TOTAL FAM LIVING/WORK UNIT: CALC. \$ 43 32 43			27265		54071	9084
55APPARENT FAMILY LIVING\$ 19891281841704756TOTAL FAM LIVING/WORK UNIT: CALC.\$ 433243		MINUS CHANGE IN NET WORTH S				
56TOTAL FAM LIVING/WORK UNIT: CALC.\$433243		APPARENT FAMILY LIVING \$				
\mathbf{T}	57	NET FAMILY LIVING PER WORK UNIT \$			25	7

EXPLANATION OF TABLE 5.2 RATIO'S

- 32 <u>THE CURRENT RATIO</u> This is a measure of liquidity. It indicates the shortrun ability of the business to service debt. It demonstrates the adequacy of current assets, if liquidated, to pay off annual debts as they come due. Usually current assets have a life of 1 year or less. It is calculated by dividing current assets by current liabilities.
- 33 <u>INTERMEDIATE RATIO</u> Intermediate assets and liabilities are those where the finances used are converted into product in a period usually from one to ten years. Examples may be breeding livestock, machinery and equipment. The increase in the ratio over a period of time is a favorable sign. It is calculated by dividing intermediate assets by intermediate liabilities.
- 34 <u>WORKING RATIO</u> The desired trend is for this ratio to increase over time. It is also desirable for this ratio to be larger than the fixed ratio and net capital ratio. The farm business needs to have sufficient liquid assets and retain management flexibility to absorb price decreases and other factors negatively affecting current and intermediate asset values. This ratio is calculated by dividing current assets and intermediate assets by current liabilities and intermediate liabilities.
- 35 <u>FIXED RATIO</u> This ratio should be in excess of one but it is also important for this ratio to be increasing over time. This ratio should not be increased at the expense of a safe working ratio. It is calculated by dividing long term assets by long term liabilities.
- 36 <u>NET CAPITAL RATIO</u> Net capital ratio is one of three measures of solvency; how much value remains if all assets are converted to cash at inventoried value and the total debt is paid. This ratio reflects the risk-bearing capacity of the farm business by showing the percentage that assets could decline and still cover liabilities. The higher the ratio number, the better the risk. A ratio of less than 1.0 = insolvent, a ratio of 1.0 = a net worth of zero. A ratio of 2.0 is considered a safe ratio. This would allow a 50% reduction in asset value or 100% increase in liabilities before becoming insolvent. This ratio is calculated by dividing total assets by total liabilities.
- 37 <u>EQUITY/ASSET</u> This ratio shows the portion of total assets paid for and owned by the operator clear of financial claims. A ratio of .80 shows that the operator owns 80% of all total assets and a ratio of .44 shows he owns only 44 of all total assets. Therefore, this ratio should be <u>increasing</u> over time. It is calculated by dividing total equity by total assets.
- 38 <u>DEBT/EQUITY</u> This is another overall measure of solvency. It shows the relationship between debt and equity. A ratio of 1.00 indicates that equity and debt are equal. That would be equivalent to a net capital ratio of 2.00 to 1.00 and asset equity/asset ratio of .50 to 1.00. All measures of solvency use the same three measures of financial position. They all express relationships between assets, liabilities and net worth (or equity). Lenders prefer a debt/equity ratio of less than 1.0. It is calculated by dividing total liabilities by total equity.
- 39 <u>CURRENT DEBT</u> The lower the current debt structure ratio is, the more liquid the business. A ratio of .10 means only one dollar (\$1.00) out of every \$10 debt must be paid within the next year. A ratio of .50 means one half of the total debt must be paid in the next year. This ratio is calculated by dividing current liabilities by total liabilities.

ITEMS

AVERAGE OF 247 FARMS

	CURRENT ASSETS:		JAN 1	DEC 31
4	CASH, CHECKING, & SAVING ACCOUNT BALANCE: PERS	\$	1041	1303
5	CASH, CHECKING, & SAVING ACCOUNT BALANCE: FARM		2086	2789
6	HEDGING ACCOUNT EQUITY		8	79
7	NOTES & ACCOUNTS RECEIVABLES: PERSONAL		756	644
8	NOTES & ACCOUNTS RECEIVABLES: FARM		510	1235
9	CROPS HELD FOR SALE		768	664
10	LIVESTOCK FEED		18418	18141
11	SUPPLIES/PREPAIDS		502	1049
12	FEEDER CATTILE & MARKET OTHER DAIRY		13037	13686
13	MARKET HOGS		1343	1454
14^{10}	FEEDER LAMBS & GOATS		16	21
15	POULTRY - ALL TYPES		62	184
16	OTHER LIVESTOCK		16	4
$\frac{10}{17}$	TOTAL CURRENT ASSETS	\$	38564	41252
	INTERMEDIATE ASSETS:			
19	DAIRY COWS	\$	32133	32170
20	OTHER DAIRY	•	9272	9837
20	BEEF BREEDING CATTLE		3543	3954
22	BREEDING HOGS		1281	1163
22	BREEDING SHEEP/GOATS		56	55
23 24	OTHER PRODUCTIVE LIVESTOCK		389	382
24	OTHER PRODUCTIVE DIVESTORY		000	
25	AUTO & TRUCK: PERSONAL SHARE		947	1407
26	AUTO & TRUCK: FARM SHARE		2416	2840
27	POWER, MACHINERY & EQUIPMENT		23852	23992
28	LIVESTOCK EQUIPMENT		8470	8581
29	CUSTOM WORK EQUIPMENT		109	104
30	IRRIGATION EQUIPMENT		698	643
31	STOCKS & BONDS & CO-OP EQUITY		1963	2186
35	OTHER HOUSEHOLD PERSONAL		8631	8881
<u>36</u>	RETIREMENT ACCOUNTS & LIFE INSURANCE		908	1094
37	TOTAL INTERMEDIATE ASSETS	\$	94670	97290
	LONG TERM ASSETS:			
39	BUILDINGS & FENCES	\$	38188	35966
40	LAND & LAND IMPROVEMENTS	Ŧ	74816	76533
40 41	DWELLING		26752	27648
41	REAL ESTATE PERSONAL		1223	1306
<u>42</u> 43	TOTAL LONG TERM ASSETS	\$	140979	141454
4.4	TOTAL ASSETS	¢	274213	279996
44 45	TOTAL ASSETS TOTAL PERSONAL ASSETS (INCL CASH)		42222	44468
45 46			231991	235528
46	TOTAL FARM ASSETS (INCL CASH)	Ş		

THE OPERATOR'S FINANCIAL STATEMENT PRESENTS A PICTURE OF THE FINANCIAL STRUCTURE OF THE FARM BUSINESS AT THE BEGINNING AND END OF THE YEAR. THE CHANGE IN EQUITY, SHOWN ON TABLE 5.2 - LINE 24, IS A DOLLAR MEASURE OF PROGRESS. THIS STATEMENT, WHEN ACCURATELY KEPT OVER A PERIOD OF YEARS, IS ONE OF THE BEST MEASURES OF FINANCIAL PROGRESS.

THE SUPPLEMENTARY INFORMATION SHOWN ON TABLE 5.2 IS HELPFUL IN STUDYING THE FINANCIAL STRUCTURE OF THE FARM.

ALL ASSETS ARE BASED ON THE MODIFIED COST (COST MINUS DEPRECIATION). LAND MAY HAVE BEEN ADJUSTED TO REFLECT LONG TERM CHANGES IN VALUE.

ITEMS

AVERAGE OF 247 FARMS

	CURRENT LIABILITIES:		JAN 1	DEC 31	
4	ACCOUNTS PAYABLE: PERSONAL	\$	214		
5	ACCOUNTS PAYABLE: FARM		2454	2681	
6	CURRENT PORTION OF INTERMED & LONG TERM DEBT		14490	13756	
7	DELINQUENT INTEREST		805	1240	
8	RENTS & LEASE PAYMENTS DUE FROM PAST YEAR		43	41	
9	TOTAL CURRENT LIABILITIES	\$	18006	17943	
	*INTERMEDIATE LIABILITIES:				
11	NOTES PAYABLE: PERSONAL	\$	188	161 4866	
12	NOTES PAYABLE: FARM				
13	CHATTEL MORTGAGES: PERSONAL		118	310	
14	CHATTEL MORTGAGES: FARM		54137	53067	
16	TOTAL INTERMEDIATE LIABILITIES	\$	58882	58405	
10	*LONG TERM LIABILITIES:	ć	605	794	
18	REAL ESTATE MORTGAGES & CONTRACTS: PERSONAL	Ş	02106	02027	
<u>19</u>	REAL ESTATE MORTGAGES & CONTRACTS: FARM	 ح	02002	82831	
21	TOTAL LONG TERM LIABILITIES	\$	83882	02031	
22	TOTAL LIABILITIES	Ś	160769	159179	
23		Ś	113444	120817	
23	CHANGE IN EQUITY		110111		
	FINANCIAL RATIOS	·······			
	DESCRIPTION, INCLUDING FORMULA:				
32			2.14	2.30	
	CURRENT ASSETS / CURRENT LIABILITIES				
33	INTERMEDIATE RATIO (T5.1 L37 / T5.2 L16)		1.61	1.67	
	INTERMED. ASSETS / INTERMED. LIAB.				
2.4			1 70	1 01	
34	WORKING RATIO (T5.1L17+L37)/(T5.2L9+L16)		1./3	1.81	
	(C. ASSETS+I. ASSETS)/(C. LIAB.+I. LIAB)				
25			1 60	1.71	
35	<u>FIXED RATIO</u> (T5.1 L43 / T5.2 L21) LONG TERM ASSETS / LONG TERM LIAB		1.00	1./1	
	LONG TERM ASSETS / LONG TERM LIAB				
36	<u>NET CAPITAL RATIO</u> (T5.1 L44 / T5.2 L22)		1.71	1.76	
50	TOTAL ASSETS / TOTAL LIABILITIES		1.1	1.70	
	TOTAL ASSETS / TOTAL DIADIDITIES				
37	EQUITY/ASSET RATIO (T5.2 L23 / T5.1 L44)		0.41	0.43	
57	TOTAL EQUITY / TOTAL ASSETS				
38	DEBT/EQUITY RATIO (T5.2 L22 / T5.2 L23)		1.42	1.32	
00	TOTAL LIABILITIES / TOTAL EQUITY				
	~				
39	CURRENT DEBT RATIO (T5.2 L9 / T5.2 L22)		0.11	0.11	
	CURRENT LIABILITIES / TOTAL LIAB.				
51	RETURN TO CAPITAL, FAMILY LABOR, & MANAGEMENT		19416		
52	TOTAL INCOME FROM NON-FARM SOURCE	\$	7849		
53	TOTAL FAMILY INCOME	\$	27265		
54	TOTAL FAMILY CASH & NON-CASH EXPENSE	\$	21968		
55	TOTAL MONEY BORROWED	\$	26396		
56	TOTAL PAID ON DEBT	\$	28039		

ITEN	15	49 HI	GH F'ARMS	49 LOW FARMS		
	CURRENT ASSETS:		JAN 1	DEC 31	JAN 1	DEC 31
4	CASH, CHECKING, & SAV ACC. BALANCE: PERS	\$				
5	CASH, CHECKING, & SAV ACC. BALANCE: FARM		3526	5373	1646	1026
6	HEDGING ACCOUNT EQUITY					
7	NOTES & ACCOUNTS RECEIVABLES: PERSONAL		776	722		
8	NOTES & ACCOUNTS RECEIVABLES: FARM		931	2874	224	601
9	CROPS HELD FOR SALE		841	295	213	328
10	LIVESTOCK FEED		27680	31292	18526	15264
11	SUPPLIES/PREPAIDS		1483	2314	421	675
12	FEEDER CATTLE & MARKET OTHER DAIRY		19557		13530	12538
13	MARKET HOGS		509	492	3338	3647
14	FEEDER LAMBS & GOATS		7	4	73	102
15	POULTRY - ALL TYPES				8	7
16	OTHER LIVESTOCK		82	20		
17	TOTAL CURRENT ASSETS	\$	57949	69098	39920	36042
	INTERMEDIATE ASSETS:					
19	DAIRY COWS	\$	51129			24628
20	OTHER DAIRY		15907			5774
21	BEEF BREEDING CATTLE		2110	2353	7372	7820
22	BREEDING HOGS		604		3714	
23	BREEDING SHEEP/GOATS		57	57	224	220
24	OTHER PRODUCTIVE LIVESTOCK		1963	1928		
2 5	AUTO & TRUCK: PERSONAL SHARE		1511	1982	1167	1501
26	AUTO & TRUCK: FARM SHARE		2203	3017	3835	3337
27	POWER, MACHINERY & EQUIPMENT		34122	35169	27242	26944
28	LIVESTOCK EQUIPMENT		14367	14754	9082	8737
29	CUSTOM WORK EQUIPMENT		306	300		
30	IRRIGATION EQUIPMENT		1245	1250	1687	1507
31	STOCKS & BONDS & CO-OP EQUITY		4550	4849	1184	1487
35	OTHER HOUSEHOLD PERSONAL		10078	10642	9259	9514
36	RETIREMENT ACCOUNTS & LIFE INSURANCE		704	1011	1013	1391
37	TOTAL INTERMEDIATE ASSETS	\$	140857	149901	99656	95863
20	LONG TERM ASSETS:	ć	10656	17160	41017	20001
39	BUILDINGS & FENCES	\$	49656			
40	LAND & LAND IMPROVEMENTS		93359 32183			29299
41	DWELLING				28964 1827	
<u>42</u> 43	REAL ESTATE PERSONAL TOTAL LONG TERM ASSETS	\$	<u>917</u> 176115	180970	159554	156928
44	TOTAL ASSETS		374922	399970	299131	288833
45	TOTAL PERSONAL ASSETS (INCL CASH)			56974		46873
46	TOTAL FARM ASSETS (INCL CASH)	\$	321644	342996	253777	241961

TABLE 5.1 - OPERATOR'S FINANCIAL POSITION - 1988

9TOTAL CURRENT LIABILITIES\$ 225842392718636*INTERMEDIATE LIABILITIES:11NOTES PAYABLE: PERSONAL23514117812NOTES PAYABLE: FARM753482116482	3469 11935 2907 183
4ACCOUNTS PAYABLE: PERSONAL70744465ACCOUNTS PAYABLE: FARM2441289829756CURRENT PORTION OF INT. & LONG TERM DEBT2005020728129437DELINQUENT INTEREST2322620568RENTS & LEASE PYMTS DUE FROM PAST YEAR2179TOTAL CURRENT LIABILITIES\$ 225842392718636* INTERMEDIATE LIABILITIES:11NOTES PAYABLE: PERSONAL23514117812NOTES PAYABLE: FARM753482116482	3469 11935 2907 183
4ACCOUNTS PAYABLE: PERSONAL70744465ACCOUNTS PAYABLE: FARM2441289829756CURRENT PORTION OF INT. & LONG TERM DEBT2005020728129437DELINQUENT INTEREST2322620568RENTS & LEASE PYMTS DUE FROM PAST YEAR2179TOTAL CURRENT LIABILITIES\$ 225842392718636* INTERMEDIATE LIABILITIES:11NOTES PAYABLE: PERSONAL23514117812NOTES PAYABLE: FARM753482116482	3469 11935 2907 183
8 RENTS & LEASE PYMTS DUE FROM PAST YEAR 217 9 TOTAL CURRENT LIABILITIES \$ 22584 23927 18636 * INTERMEDIATE LIABILITIES: 11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	183
8 RENTS & LEASE PYMTS DUE FROM PAST YEAR 217 9 TOTAL CURRENT LIABILITIES \$ 22584 23927 18636 * INTERMEDIATE LIABILITIES: 11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	183
8 RENTS & LEASE PYMTS DUE FROM PAST YEAR 217 9 TOTAL CURRENT LIABILITIES \$ 22584 23927 18636 * INTERMEDIATE LIABILITIES: 11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	183
8 RENTS & LEASE PYMTS DUE FROM PAST YEAR 217 9 TOTAL CURRENT LIABILITIES \$ 22584 23927 18636 * INTERMEDIATE LIABILITIES: 11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	183
9TOTAL CURRENT LIABILITIES\$ 225842392718636*INTERMEDIATE LIABILITIES:11NOTES PAYABLE: PERSONAL23514117812NOTES PAYABLE: FARM753482116482	18795
* <u>INTERMEDIATE LIABILITIES:</u> 11 NOTES PAYABLE: PERSONAL 12 NOTES PAYABLE: FARM 7534 8211 6482	18795
11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	
11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	
11 NOTES PAYABLE: PERSONAL 235 141 178 12 NOTES PAYABLE: FARM 7534 8211 6482	
11NOTES PAYABLE: PERSONAL23514117612NOTES PAYABLE: FARM753482116482	1/0
12 NOTES PAYABLE: FARM /534 8211 6482	7054
	7954
13 CHATTEL MORTGAGES: PERSONAL 117 603 141	283
14 CHATTEL MORTGAGES: FARM 70906 67404 63039	59562
16 TOTAL INTERMEDIATE LIABILITIES \$ 78793 76359 69841	67947
10 IOTAL INTEREDIATE HIADILITIES \$ 70755 70555 05011	0,91,
*LONG TERM LIABILITIES:	
18 REAL ESTATE MORTGAGES & CONTRACTS: PER 449 1307 1378	1338
19 REAL ESTATE MORTGAGES & CONTRACTS: FARM 107510 106905 83687	83128
	84465
21 TOTAL LONG TERM LIABILITIES \$ 107959 108212 85065	04405
22 TOTAL LIABILITIES \$ 209336 208497 173542	171208
23 EQUITY \$ 165585 191473 125589	117626
24 CHANGE IN EQUITY \$ 25887	-7503
FINANCIAL RATIOS	
DESCRIPTION, INCLUDING FORMULA:	
32 CURRENT RATIO (T5.1 L17 / T5.2 L9) 2.57 2.89 2.14	1.97
CURRENT ASSETS / CURRENT LIABILITIES	
CORRENT ASSETS / CONCENT HTADILITIES	
	1
33 <u>INTERMEDIATE RATIO</u> (T5.1 L37 / T5.2 L16) 1.79 1.96 1.43	1.41
INTERMED. ASSETS / INTERMED. LIAB.	
34 WORKING RATIO (T5.1L17+L37)/(T5.2L9+L16) 1.96 2.18 1.58	1.52
$34 - \frac{WRRING RATE}{1000000000000000000000000000000000000$	1.52
(C. ASSETS+I. ASSETS)/(C. LIAB.+I. LIAB)	
35 FIXED RATIO (T5.1 L43 / T5.2 L21) 1.63 1.67 1.88	1.86
LONG TERM ASSETS / LONG TERM LIAB	
TONG TEMA ASSETS / TONG TEMA TEMA	
	1 60
36 <u>NET CAPITAL RATIO</u> (T5.1 L44 / T5.2 L22) 1.79 1.92 1.72	1.69
TOTAL ASSETS / TOTAL LIABILITIES	
37 <u>EQUITY/ASSET RATIO</u> (T5.2 L23 / T5.1 L44) .44 .48 .42	41
	• 1 7
TOTAL EQUITY / TOTAL ASSETS	
38 <u>DEBT/EQUITY RATIO</u> (T5.2 L22 / T5.2 L23) 1.26 1.09 1.38	1.46
TOTAL LIABILITIES / TOTAL EQUITY	
TOTAL LIABILITIES / TOTAL EQUIT	
39 <u>CURRENT DEBT RATIO</u> (T5.2 L9 / T5.2 L22) .11 .11 .11	.11
CURRENT LIABILITIES / TOTAL LIAB.	
	C012
51 RETURN TO CAPITAL, FAMILY LABOR, & MANAGEMENT \$ 48996	-6043
52 TOTAL INCOME FROM NON-FARM SOURCE \$ 5075	15127
53 TOTAL FAMILY INCOME \$ 54071	306
	18593
54 TOTAL FAMILY CASH & NON-CASH EXPENSE \$ 24662	
	17456
56 TOTAL PAID ON DEBT \$ 49200	20017

TABI	LE 6A - OPERATOR'S SHARE OF CASH RECEIPTS - 1988			
		AVERAGE	HIGH	LOW
ITEN	AS	OF 247	49	49
		FARMS	FARMS	FARMS
_	SALE OF LIVESTOCK & LIVESTOCK PRODUCTS	¢ 7000	12727	6437
2	DAIRY COWS	\$ 7869	119655	49761
3	DAIRY PRODUCTS	71373	119655	6453
4	OTHER DAIRY CATTLE	6053 2635	2066	4299
5	BEEF BREEDING CATTLE	2635	315	528
6	BEEF FEEDER CATTLE	1983	185	3975
7	HOGS COMPLETE & MIXED	1585	90	4834
8	HOGS FINISHING	2057	2181	4630
9	HOGS PRODUCING FEEDER PIGS	68	71	272
10	SHEEP, GOATS, WOOL: BREEDING	00	/ 1	212
11	SHEEP, WOOL: FEEDERS	27	9	1
12	POULITRY, ALL FOWL	460	2	34
13	EGGS	400		JT
14	CUSTOM, CONTRACT LIVESTOCK FEEDING	41	209	
15	OTHER PRODUCTIVE LIVESTOCK OTHER MISCELLANEOUS LIVESTOCK INCOME	142	642	75
$\frac{16}{17}$	TOTAL SALES OF PRODUCTIVE LIVESTOCK	\$ 96572	149245	81300
17		Ş JUJ12	145245	01500
21	<u>SALE OF CROPS</u> WHEAT	101	94	
21	DURUM	101	51	
22		628	519	310
23	OTHER SMALL GRAIN	1972	2198	3033
24	CORN	771	757	1331
25	SOYBEANS	111	151	1001
26 27	SUNFLOWERS GRAIN SORCHUM & OTHER ROW CROPS	16	80	
ע 8י	LEGUMES & OTHER ROUGHAGE	726	598	848
29	GRASS SEED	62	550	0.0
29 30	GRASS SEED FRUITS & NUTS	02		
30 31	VEGETABLES, ROADSIDE MARKET, & SPECIALTY	89		
32	NURSERY, TIMBER, & OTHER	49		154
33	SALE OF CROPS SUPPLIES PURCHASED FOR RESALE	1214	1650	1022
<u>34</u>	TOTAL SALES FROM CROPS & SUPPLIES	\$ 5629	5894	6698
40	GOVERNMENT PAYMENTS & SET ASIDE ACRES	8599	12311	9063
41	GAS TAX REFUND	12	7	22
42	INCOME FROM WORK OFF FARM	451	931	204
43	CUSTOM WORK ENTERPRISE INCOME	792	289	
44	PATRONAGE REFUNDS (CASH 278, EQUITY 583)	861	1064	900
45	MISCELLANEOUS FARM INCOME	1320	2179	1204
46	TOTAL OTHER FARM INCOME	\$ 12035	16780	11393
40 47	TOTAL FARM OPERATING INCOME	114236	171920	99390
50	AUTO, TRUCK, & MACHINERY SOLD	310	578	152
51	IRRIGATION EQUIPMENT SOLD			
52	CUSTOM WORK EQUIPMENT SOLD			
53	LIVESTOCK EQUIPMENT SOLD	2		9
54	BUILDINGS & IMPROVEMENTS SOLD			
55	LAND & LAND IMPROVEMENTS SOLD	263	1324	
56	FARM CAPITAL LEASE INCOME	91	124	16
<u>57</u>	TOTAL FARM CAPITAL SALES	\$ 666	2027	176
58	TOTAL FARM SALES	114902	173947	99567
60	INCREASE IN FARM CAPITAL (NOT INCL CASH)	2834	19505	
61	FAMILY LIVING FROM THE FARM	801	1318	735
2	TOTAL FARM RECEIPTS $(58)+(60)+(61)$	\$ 118537	194770	100302
2				
70	TOTAL FARM OPERATING INCOME (58)-(57)	\$ 114236	171920	99390
71	TOTAL CASH FARM OPERATING EXPENSE (65/43)	\$ 88194	124980	85491
	**NET CASH OPERATING INCOME (70)-(71)	\$ 26042	46940	13899
· •				

TABLE 6A - OPERATOR'S SHARE OF CASH RECEIPTS - 1988

ITEMS	6B - OPERATOR'S SHARE OF CASH EXPENSES - 1986		VERAGE F 247 FARMS	HIGH 49 FARMS	LOW 49 FARMS
	PURCHASE OF LIVESTOCK				
5	DAIRY COWS	\$	1709	2666	570
6	OTHER DAIRY CATTLE		1060	2487	738
7	BEEF BREEDING CAPTLE		445	7	1540
8	BEEF FEEDER CATTLE		647		66
9	HOGS COMPLETE & MIXED		31	7	79
10	HOGS FINISHING		404	28	434
11	HOGS PRODUCING FEEDER PIGS		111	5	281
12	SHEEP, GOATS, WOOL: BREEDING				
12	SHEEP, WOOL: FEEDERS				
13	POULTRY, ALL FOWL		143	2	3
			115	L	0
15	CUSTOM, CONTRACT LIVESTOCK FEEDING		27	135	
16	OTHER PRODUCTIVE LIVESTOCK	\$		5336	3711
17	TOTAL LIVESTOCK PURCHASES	Ş	6969	11406	5909
	VET, BREEDING, & MISCELLANEOUS LIVESTOCK EXP			1128	958
	PURCHASE OR CROPS & SUPPLIES FOR RESALE		1160		
	FEED BOUGHT		26284	34229	
23	FERTILIZER		4708		
24	CHEMICALS		1355	2186	1637
25	OTHER CROP EXPENSE		3121	4761	2667
	IRRIGATION OPERATION COST		63	166	49
27	CUSTOM WORK OPER COSTS EXCL LABOR & REPAIR		697	33	
	CUSTOM WORK HIRED		3361	4540	3037
	GAS, DIESEL, & LUBRICANTS		3080	4179	3021
	REPAIR & UPKEEP OF LIVESTOCK EQUIPMENT		1435	2335	1576
	REPAIR & UPKEEP OF FARM REAL ESTATE		944	1674	891
	REPAIR & OPER. OF MACH., TRACTOR, TRUCK, AUTO		4817	6180	486
	REPAIR & UPKEEP OF IRRIGATION EQUIPMENT		27	76	42
	REPAIR & UPKEEP OF TRATGATION EQUIPMENT REPAIR & UPKEEP OF CUSTOM WORK EQUIPMENT		50	167	15
			7273	10432	7374
35	TOTAL ALL REPAIRS		4614	6477	6339
	WAGES OF HIRED LABOR			1716	1108
	PERSONAL PROPERTY & REAL ESTATE TAXES		1033		2232
	GENERAL FARM EXPENSES		2248	3203	
	UTILITIES		3326	4693	3351
40	FARM CAPITAL LEASE EXPENSE		3013		2800
41	TOTAL INTEREST PAYABLE THIS YEAR		11311	17670	10464
42	INTEREST ACTUALLY PAID (\$ 10876)				
13	TOTAL CASH OPERATING EXPENSE	\$	88194	124980	85491
50	AUTO, TRUCK, & MACHINERY BOUGHT		5947	9431	5734
51	IRRIGATION EQUIPMENT BOUGHT		37	147	
	CUSTOM WORK EQUIPMENT BOUGHT		5	24	
	LIVESTOCK EQUIPMENT BOUGHT		1690	2820	1513
	NEW REAL ESTATE: BUILDINGS & FENCES		1076	2061	659
	NEW REAL ESTATE: LAND & LAND IMPROVEMENTS		2420	7109	1417
57 57	TOTAL CAPITAL PURCHASES	\$	11175	21592	9323
58	TOTAL FARM PURCHASES	Ŷ	99369	146573	94814
50	DECREASE IN FARM CAPITAL (NOT INCL CASH)				11196
	INTEREST ON FARM CAPITAL: 7% CHARGE		4882	5281	6793
	UNPAID FAMILY LABOR		884	1011	744
			177	1011	52
	BOARD FURNISHED HIRED LABOR	~	105312	152969	<u></u> 11407ь
54	TOTAL FARM EXPENSE	Ş	TOJJTZ	1772202	
	RETURN TO OPERATOR LABOR & MGMT(6A/62)-(64)	•	13225		-13774
71***	*RET: CAP & FAM LABOR (INCL SPOUSE FARM WAGES)	<u>Ş</u>	<u>19416</u>	48996	-6043

EXPLANATION OF WORK UNITS

The total "work unit" for any one farm is a measure of the size of that business. A work unit as used in this report is the average accomplishment of a farm worker, in a ten hour day, working on crops and productive livestock at an average efficiency, or ten hours of work off the farm for the pay.

WORK UNITS FOR CROPS, LIVESTOCK, AND WORK OFF THE FARM

ITEM		ITEM	
Dairy Cows Other Dairy Cattle Beef Breeding Cows Beef Feeders Hogs/Complete Hogs/Finishing Hogs/Wean. Pigs Sheep, Farm Flock Lambs, Feeders Chickens, Lay. Flock Broilers Turkeys, Lay. Flock Turkey Poults Set Aside (Tilled)	7.0/cow 1.2/Head 1.5 Head .12/cwt .12/cwt .06/cwt 1.4/litter .60/ewe .30/cwt 4.0/100 .20/cwt .20 head .12/cwt .20/acre	Sunflowers Barley, Wheat, Oats, Rye Corn for Grain Soybeans Edible Beans Alfalfa Hay O. Leg. & Mix Hay Other Grass Hay Wild Hay Corn Silage Oat Silage Legume & Grass Silage Legume & Grass Seed	.40/acre .30/acre .55/acre .45/acre .50/acre .60/acre .30/acre .20/acre .60/acre .40/acre .40/acre .40/acre

MOST COMMON PRICES OF HOME GROWN FEED AND OTHER PRICES USED IN THE 1988 REPORT

SMALL GRAIN & CORN

PASTURE PER HEAD PER MONTH

Barley (Feed)	\$ 2.00/bu.	Dairy Cows, Beef Cows	\$5.00
Corn	2.20/bu.	Other Dairy & Beef	4.00
Oats	2.00/bu.	Hogs	3.50
Alfalfa Hay	90.00/ton	Sheep	.70
Mixed Legume	60.00/ton	Lambs	.35
Other Grass Hay	35.00/ton		
Corn Silage	17.00/ton		

PRODUCTS USED IN THE HOME

Whole Milk Fed	\$10.00/ton	Whole Milk
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\$.25/qt.

MEASURES OF FARM ORGANIZATION AND MANAGEMENT EFFICIENCY

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

- 1. <u>Return to Labor & Management.</u> A measure of the relative financial return for the operator 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 <u>whole farm business</u> and is found also in Table 2 and Table 3.
- 2. <u>Crop Yield Index</u> A measure of the crop yield level for all crops produced, expressed as a percentage of the average; the average being 100%.
- 3. <u>Return over all Listed Cost Per Tillable Acre</u> (Excluding pasture) -This is the net return per tillable crop acre after all variable and allocated costs have been paid.
- 4. <u>Gross Return per Acre</u> An additional measure of crop selection, based on total production times an average price for the crops, plus other crop income.
- 5. <u>Return per \$100 Feed Fed to Productive Livestock</u> 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.
- 7. <u>Size of Business Work Units</u> 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 other tasks utilizing farm labor.
- 8. <u>Work Units per Worker</u> 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. <u>Power, Machinery, Equipment and Building Expense per Work Unit</u> A measure of expense control. It is the total of items 31 through 36 in Table 3, divided by the number of Work Units.

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 above average earnings, this may not be true when individual farms are considered. The inter-relationship of factors varies from farm to farm.

TABL	E 8 - MEASURES OF FARM ORGANIZATION AND MANAGEMENT	EF	FICIENCY	- 1988	
11 102			AVERAGE	HIGH	WQ.I
.rEM	S		OF 247	49	49
	~		FARMS	FARMS	FARMS
3	RETURN TO OPERATOR'S LABOR & MANAGEMENT	\$	14817	45658	-12756
4	CROP YIELD INDEX		102.8	127.8	86.3
5	RET. OVER ALL LISTED COST/TILL. ACRE (EXCL. PAST)	Ş	-17.63	.01	
6	GROSS RETURN PER TILLABLE ACRE (EXCL. PASTURE)	\$	132.53	134.24	81.87
7	INDEX RETURN / \$100 FEED FED		100.0	108.3	98.4
8	LIVESTOCK UNITS / 100 ACRES*		30.88	26.00	27.83
9	SIZE OF BUSINESS IN TOTAL WORK UNITS		489.2	736.1	413.0
10	WORK UNITS / WORKER		303.85	357.33	269.93
11	POWER, MACHINERY, EQUIP, BLDG EXPENSE/WORK UNIT	\$	56.22	53.92	63.09
30	NUMBER OF ANIMAL UNITS		89.77	116.51	78.61
31	WORK UNITS:				
32	CROPS		118.4	187.6	112.6
32 33	PRODUCTIVE LIVESTOCK		366.1		
33 34	OTHER PRODUCTIVE UNITS		4.6		.1
35	EXPENSES / WORK UNIT:				
36	TRACTOR AND CROP MACHINERY	\$	24.31	23.46	27.85
37	AUTO & TRUCK; FARM SHARE	\$	8.16	6.56	9.48
י ר	ELECTRICITY; FARM SHARE	\$	5.99	5.79	6.44
ور	LIVESTOCK EQUIPMENT	\$ \$ \$ \$	6.93	7.12	7.79
40	BUILDING, FENCE, & TILING	\$	9.97	10.39	10.53
41	OTHER EXPENSE PER TOTAL WORK UNITS				
42	GENERAL FARM, TELEPHONE, & OTHER UTILITIES	\$		4.98	
43	WAGES FOR HIRED LABOR	\$	9.51	10.08	12.51
44	TRACTOR, CROP MACHINERY EXPENSE / CROP ACRE**	\$			
45	FARM POWER & MACHINERY COST ALLOCATED TO LVSTK	\$	3365.85	4252.57	
46	FARM POWER & MACHINERY COST ALLOCATED TO CROPS		9922.15	14920.43	10025.89
47	BUILDING, FENCE, TILE COST ALLOCATED TO LVSTK	\$	3675.53	6056.44	3330.85
48	BUILDING, FENCE, TILE COST ALLOCATED TO CROPS	\$	1319.75	2157.91	1389.74
49	*ACRES INCLUDE ALL TILLABLE LAND, NON-TILLABLE HA **ACRES INCLUDE ALL TILLABLE LAND PLUS ACRES IN N	X &	PASTURE	нлу	
50	**ACRES INCLUDE ALL IIILADLE LAND FIUS ACRES IN N				
51	SUPPLEMENTARY OPERATOR'S MANAGEMENT INFORMATION				
52	OPERATOR'S RETURN TO CAPITAL & FAMILY LABOR	\$	19416	46615	-6942
53	OPERATOR'S DEPRECIATION: FARM POWER & CROP MACH.	\$	5073	7128	5712
54	OPERATOR'S DEPRECIATION: IRRIGATION EQUIPMENT	\$	92	58	102
	OPERATOR'S DEPRECIATION: CUSTOM WORK EQUIPMENT	\$	10	30	
			1577	2188	1738
55		Ş	1377	2100	1,20
55 56	OPERATOR'S DEPRECIATION: LIVESTOCK EQUIPMENT	\$ \$	3298	4728	3157
55		\$ \$ \$			

THERMOMETER CHART

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

Labor Earnings	Crc Yie Ind	ld	Gro Ret / T Acr	urn ill	Retu From Proc Lvst	n 1.	Proc Lvst Unit 100	k. s/	Wo . Un	rk its	Wor Uni Per Wor	ts	P.M B. / W Uni	ork
\$52,000	106		192		112		37		730		365		44	
45,658	128	F	182		110		36		690		355		46	
39,000	120	Г	172		108		35		650		345		48	ы
33,000	115	Π	162		106		34		610		335		50	F
27,000	110	Ι	152	-	104		33		570		325		52	
21,000	105	н	142		102	H	32	I	530		315		54	
14,817	100		132	-	100	┝╾╼┥┝╴	31		489		304		56	_
10,000	95	Π	122		98		30		450		295		58	ы
5,000	90	Г	112		96		29	 	410		285	П	60	
0	85		102		94		28	F	370	П	275	П	62	
-6,000	80	н	92		92	Ы	27		330	H	265	I	64	
12,756	75		82		90	H	26		290	F	255		66	
20,000	70		72		88		25		250	H	245		68	

FABLE	9 - SELECTED CROP DATA FOR MAJOR CROPS,	DISTRIBUTION OF A	<u>CRES & YIE</u>	LDS - 1988
		AVERAGE	HIGH	I LOV
TEMS		OF 247	49	49
			FARMS	
		ACRES		
А	TOTAL SMALL GRAIN & CANNING PEAS	26.2		
В	TOTAL ROW CROP	43.0		
С	TOTAL LEGUMES, INCLUDING SEED		97.3	
D	TOTAL OTHER HAY		46.1	
Е	TOTAL SILAGE & FODDER			49.
F	TOTAL TILLABLE PASTURE	9.8	14.6	10.
G	TOTAL GRASS CROPS	.2		•
J	TOTAL ROADSIDE MARKET/SPECIALTY CROPS			
К	TOTAL FALLOW & SET ASIDE LAND	22.7	35.3	
L	TOTAL TILLABLE LAND AND RECROPPED ACRES	260.5	402.7	248.
М	TOTAL NON-TILLABLE HAY/PASTURE	30.3	45.4	33.
N	TOTAL NON-TILLABLE FOREST CROPS	.1		
9985	WILD HAY NOT HARVESTED-NONTILLABLE	3.0	3.9	1.
9986		33.8	32.8	28.
9987	TIMBER NOT HARVESTED	34.3	38.1	45.
9988	ROADS AND WASTE	28.2	38.4	24.
9989	FARMSTEAD	7.4	9.6	6.
0	TOTAL LAND NOT HARVESTED	106.7	122.8	106.
Р	TOTAL NON-TILLABLE LAND	137.0	168.1	140.
Q	TOTAL LAND IN FARM OR RANCH	383.8	549.3	363.
	SUPPLEMENTARY MANAGEMENT INFORMATION			
9993		66.4	71.1	67.
9994		\$ 18.44	20.80	15.2
9995		\$ 5.98		
9996		\$ 12.05		
9997		\$ 13.29		12.9
9998	REPAIR AND MAINTENANCE COST PER ACRE	-		20.9
9999		227.97		
<u></u>	*TILLABLE ACRES + RECROPPED ACRES MINUS			

CROP YIELDS - FROM TABLE 10 - 1988

CRUP YIELDS - FROM TABLE 10 - 1988				
	NUMBER	AVERAGE	HIGH	LOW
CROP	OF FARMS	YIELD/	FARM	FARM
	GROWING	ACRE	ACRE	ACRE
OWNED ACRES				
BARLEY	36	21.9	39.2	3.1
OATS	95	17.1	42.0	0.0
CORN	118	43.2	89.9	7.3
CORN (IRRIGATED)	6	104.9		
SOYBEANS	17	18.9	27.6	12.9
ALFALFA HAY	155	1.9	3.3	0.7
RED CLOVER HAY	16	0.9	1.3	0.3
LEGUME GRASS MIXED HAY	99	1.3	2.2	0.5
CORN SILAGE	190	5.5	10.7	2.6
LEGUME GRASS SILAGE	14	2.6	3.4	1.7
RENTED ACRES				
CORN	83	54.5	95.5	15.7
CORN (IRRIGATED)	8	132.1		
ALFALFA HAY	72	2.1	3.2	0.6
OTHER TILLABLE GRASS HAY	54	1.0	3.5	0.3
CORN SILAGE	123	5.0	9.5	2.0
OTHER TILLABLE GRASS HAY	54	1.0	3.5	0.3

TABLE 10 - INDIVIDUAL CROP ENTERPRISE ANALYSIS

The individual crop analysis table shows acres, yield, value per unit, (usually the value per unit at harvest time), and gross return per acre for each crop raised by a particular farmer during the last crop year.

Costs such as fertilizer, chemicals, seed, crop drying expense, special hired labor, and custom work are costs that are assigned to each individual crop in the account book or computer record system. These costs are shown in table 10 under <u>variable costs</u>.

Other costs, called <u>allocated costs</u>, are calculated from the actual costs incurred. They are allocated by formula. The power and crop machinery expense is divided into ownership and operation costs for each crop. Allocated cost calculations are assigned to each production enterprise. Rented land cost is a reported cost from the farmer's records.

The total crop return minus the variable and allocated costs equals the return over listed costs, which is line 44.

All crop enterprises produced on a farm are listed separately. This allows the operator to compare the return over listed costs for each crop produced.

Land cost on owned land is the greater of the opportunity cost or the actual cost of ownership. Land cost for rented land is based on the actual rent paid for the use of the land.

TABL	e 10 – crop data for barley – 1988			OWNED ACRES			
		Ì	AVERAGE	HIGH	LOW		
ITEM	S		OF 36	12	12		
			FARMS	FARMS	FARMS		
3	ACRES		31.9	42.1 - PER ACRE	26.9		
4	YIELD		21.9	- PER ACRE - 39.2	3.1		
5	VALUE PER UNIT	Ś	2.00	2.00	2.00		
6	CROP PRODUCT RETURN	Ŷ	43.82	78.36	6.17		
7	OTHER CROP INCOME		4.58	6.01	3.64		
8	TOTAL CROP RETURN	\$		84.37	9.81		
	VARIABLE COSTS		10 70	15 00	10.00		
10	FERTILIZER	\$	10.78	15.32	10.82		
11	CHEMICALS		2.63	4.63	1.26		
12	SEED		7.96	6.89	8.36		
13	CROP DRYING		.03	.05	25		
14	CROP INSURANCE		.72	1.35	.37		
15	OTHER EXPENSES		.16	.31			
16	SPECIAL HIRED LABOR		.41	60			
17	CUSTOM WORK HIRED & LEASE EXPENSE		.50	.69			
18	IRRIGATION OPERATION						
<u>19</u> 20	ASSIGNED INTEREST 'TOTAL VARIABLE COSTS		23.20	29.24	20.82		
20 21	RETURN OVER VARIABLE COSTS	Ş	25.20	55.13	-11.01		
21	REIORIV OVER VARIABLE COSIS		23.20	55.15	-11.01		
	ALLOCATED COSTS (VARIABLE & FIXED)						
31	FARM POWER & MACHINERY - OWNERSHIP	\$	7.81	7.53	9.11		
12	FARM POWER & MACHINERY - OPERATION	Ŷ	14.14	12.95			
33	BUILDING & FENCE COST		3.54	3.06	3.61		
34	IRRIGATION OWNERSHIP COST		0.01	0,000	0001		
35	LAND OWNERSHIP COST **						
36	LAND OPPORTUNITY OWNERSHIP COST **						
37	LAND COST		23.03	22.17	19.45		
38	UTILITIES & GENERAL FARM EXPENSE		2.95	2.33	3.61		
39	HIRED LABOR		2.16	3.04	.89		
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		4.61	2.99	6.58		
42	TOTAL ALLOCATED COSTS	\$	58.24	54.07	57.79		
4.2			01 44	00.01	7 0 (1		
<u>43</u> 44	TOTAL LISTED COSTS	\$	$\frac{81.44}{-33.04}$	83.31	<u>78.61</u> -68.80		
	RETURN OVER LISTED COSTS	•					
	SUPPLEMENTARY MANAGEMENT INFORMATION						
51	TOTAL COST ADJ TO A MIN 7% INTEREST	Ś	80.66	83.47	75.24		
52	WORK UNITS ASSIGNED / ACRE	Ŷ	.30	.30	.30		
53	POWER COST ALLOCATION FACTOR		1.00	1.00	1.00		
54	TOTAL LISTED COST / UNIT OF PRODUCTION	Ś	3.72	2.13			
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$	3.68	2.13			
56	CASH VARIABLE COST / UNIT OF PRODUCTION		2.15				
57	RETURN OVER LISTED COS'IS PER UNIT	ŝ	-1.51	.03	-22.19		
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)	۲	40.7		39.3		
59	TOTAL ACRE IN. WATER APPLIED						
60	COST OF IRRIGATION*						
51	AVERAGE PRICE RECEIVED / UNIT SOLD						
2	QUANTITY SOLD (O.S.)						
	* DOES NOT INCLUDE INTEREST COSTS						

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY (LINE 36) COST IS LISTED AS THE LAND COST ON LINE 37.

1S	1	AVERAGE	HIGH	LO
			19	1
		OF 95 ENDMS	19 FARMS	
		r Arms	F ARMS	FARM
ACRES		26.3	32.3	26.
YIELD		17.1	42.0	
VALUE PER UNIT	\$	2.12	2.34	2.1
CROP PRODUCT RETURN	•	36.35	98.08	
		9.35	18.48	3.9
TOTAL CROP RETURN	\$			3.9
	Ċ	13 12	1/ 33	11.2
	Ş			11.2
				16 0
		10.72	/.24	16.9
		1 5	1 66	0
			.19	.2
			1 00	.1
		1.63	1.89	
		0.0	00.11	
	Ş			
RETURN OVER VARIABLE COSTS		18.10	88.42	-24.7
ALLOCATED COSTS (VARIABLE & FIXED)				
· · · · · · · · · · · · · · · · · · ·	Ś	8.82	6.97	8.0
	т			
				2.4
		2	0.120	
		28.21	17.57	23.2
				3.6
				1.58
				4.55
TOTAL ALLOCATED COSTS	\$			
		02.24		00.47
PETTEN OVER LISTED COSTS				88.43

SUPPLEMENTARY MANAGEMENT INFORMATION				
TOTAL COST ADJ TO A MIN 7% INTEREST	\$	89.16	75.26	85.19
WORK UNITS ASSIGNED / ACRE		.30	.30	.30
POWER COST ALLOCATION FACTOR		1.00	.95	1.04
TOTAL LISTED COST / UNIT OF PRODUCTION	\$	5.46	1.77	
TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$	5.20	1.79	
CASH VARIABLE COST / UNIT OF PRODUCTION	\$	3.13	1.12	
RETURN OVER LISTED COSTS PER UNIT	\$	-2.79	1.00	
	,			
		•	······································	
QUANTITY SOLD (O.S.)				
	YIELD VALUE PER UNIT CROP PRODUCT RETURN OTHER CROP INCOME TOTAL CROP RETURN VARIABLE COSTS FERTILIZER CHEMICALS SEED CROP DRYING CROP INSURANCE OTHER EXPENSES SPECIAL HIRED LABOR CUSTOM WORK HIRED & LEASE EXPENSE IRRIGATION OPERATION ASSIGNED INTEREST TOTAL VARIABLE COSTS RETURN OVER VARIABLE COSTS ALLOCATED COSTS (VARIABLE & FIXED) FARM POWER & MACHINERY - OWNERSHIP FARM POWER & MACHINERY - OWNERSHIP FARM POWER & MACHINERY - OPERATION BUILDING & FENCE COST IRRIGATION OWNERSHIP COST LAND OWNERSHIP COST ** LAND OPORTUNITY OWNERSHIP COST TOTAL ALLOCATED COSTS TOTAL LISTED COSTS RETURN OVER LISTED COSTS SUPPLEMENTARY MAAGEMENT INFORMATION TOTAL COST ADJ TO A MIN 7% INTEREST WORK UNITS ASSIGNED / ACRE POWER COST ALLOCATION FACTOR TOTAL LISTED COST / UNIT OF PRODUCTION TOTAL ADJUSTED COST / UNIT OF PRODUCTION TOTAL LISTED COST / UNIT OF PRODUCTION TOTAL ALLOCATED COST SER UNIT BREAKEVEN YIELD / UNIT OF PRODUCTION TOTAL ALLOCATE N. WATER APPLIED COST OF IRRIGATION* AVERAGE PRICE RECEIVED / UNIT SOLD	YIELD \$ VALUE PER UNIT \$ CROP PRODUCT RETURN \$ OTHER CROP INCOME \$ TOTAL CROP RETURN \$ VARIABLE COSTS \$ FERTILIZER \$ CHEMICALS \$ SEED CROP DRYING CROP INSURANCE \$ OTHER EXPENSES \$ SPECIAL HIRED LABOR \$ CUSTOM WORK HIRED & LEASE EXPENSE \$ IRRIGATION OPERATION ASSIGNED INTEREST TOTAL VARIABLE COSTS \$ RETURN OVER VARIABLE COSTS \$ ALLOCATED COSTS (VARIABLE & FIXED) \$ FARM POWER & MACHINERY - OWNERSHIP \$ PARM POWER & MACHINERY - OPERATION \$ BUILDING & FENCE COST \$ LAND OPPORTUNITY OWNERSHIP COST \$ LAND OPPORTUNITY OWNERSHIP COST ** \$ LAND OPPORTUNITY OWNERSHIP COST \$ LAND OPPORTUNITY OWNERSHIP COST ** \$ LAND OPPORTUNITY OWNERSHIP COST \$ TOTAL ALLOCATED COSTS \$ TOTAL ALLOCATED COSTS \$ TOTA	YIELD 17.1 VALUE PER UNIT \$ 2.12 CROP PRODUCT RETURN 36.35 OTHER CROP INCOME 9.35 TOTAL CROP RETURN \$ 45.70 VARIABLE COSTS 13.12 PERTILIZER \$ 13.12 CHEMICALS 1.22 SEED 10.72 CROP DRYING .15 OTHER EXPENSES .19 SPECIAL HIRED LABOR .57 CUSTOM WORK HIRED & LEASE EXPENSE 1.63 IRRIGATION OPERATION ASSIGNED INTEREST TOTAL VARIABLE COSTS \$ 27.60 RETURN OVER VARIABLE COSTS \$ 2.76 TOTAL VARIABLE COSTS \$ 2.76 RETURN OVER VARIABLE COSTS \$ 2.74 IRRIGATION OWNERSHIP COST 2.74 IRRIGATION OWNERSHIP COST 2.74 IRRIGATION OWNERSHIP COST ** .27 LAND OPPORTUNITY OWNERSHIP COST 28.21 UTILITIES & GENERAL FARM EXPENSE 3.27 HIRED LABOR .94 ACTUAL NON-REAL ESTATE INTEREST ALLOCATED 5.5 TOTAL ALLOCATED COSTS \$ 65.74 TOTAL ALLOCATED COSTS \$ 65.	YIELD $$ PER ACREYIELD17.142.0VALUE PER UNIT\$ 2.122.34CROP PRODUCT RETURN36.3598.08OTHER CROP INCOME9.3518.48TUTAL CROP RETURN\$ 45.70116.56VARIABLE COSTS1.222.94SEED10.727.24CROP INSURANCE.151.55OTHER EXPENSES.19.19SPECIAL HIRED LABOR.57CUSTOM WORK HIRED & LEASE EXPENSE1.631.89IRRIGATION OPERATION88.42ALLOCATED COSTS (VARIABLE COSTS\$ 27.6028.14RETURN OVER VARIABLE COSTS\$ 27.6028.14RETURN OVER VARIABLE COSTS\$ 27.6028.14RETURN OVER VARIABLE COSTS\$ 27.6028.14RETURN OVER VARIABLE COSTS\$ 27.6111.52PARM POWER & MACHINERY - OWNERSHIP\$ 8.826.97PARM POWER & MACHINERY - OWNERSHIP\$ 8.826.97PARM POWER & MACHINERY - OWNERSHIP COST2.743.13IRRIGATION OWNERSHIP COST28.2117.57LAND OPOPORUNITY OWNERSHIP COST **1.941.55LAND OPOPORUNITY OWNERSHIP COST\$ 65.7446.40TOTAL ALLOCATED COSTS\$ 93.3474.54RETURN OVER LISTED COSTS\$ 93.3474.54RETURN OVER LISTED COSTS\$ 93.3474.54RETURN OVER LISTED COSTS\$ 9.1675.26WORK HIREST / UNIT OF PRODUCTION\$ 3.131.12RETURN OVER LISTED COST / UNIT OF PRODUCTION\$ 5.46

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY (LINE 36) COST IS LISTED AS THE LAND COST ON LINE 37.

יי זמעות	10 - CROP DATA FOR CORN GRAIN - 1988			OWNE	ED ACRES
TABLE	10 - CROP DATA TOR CORN GRAIN 1900	F	VERAGE	HIGH	LOW
ITEMS			OF 118	23	23
11111-10 			FARMS	FARMS	FARMS
3	ACRES		45.4	42.6	70.2
5				- PER ACRE -	
4	YIELD		43.2	89.9	7.3
5	VALUE PER UNIT	\$	2.59		2.69
6	CROP PRODUCT RETURN		111.87	232.39	19.64
7	OTHER CROP INCOME				
8	TOTAL CROP RETURN	\$	111.87	232.39	19.64
	VARIABLE COSTS				
10	FERTILIZER	\$	26.23	29.25	12.88
11	CHEMICALS		11.61	13.62	5.61
12	SEED		13.30	17.37	7.98
13	CROP DRYING		1.12	1.36	
14	CROP INSURANCE		.66	1.08	.17
15	OTHER EXPENSES		.68	.77	.61
16	SPECIAL HIRED LABOR		.35		
17	CUSTOM WORK HIRED & LEASE EXPENSE		2.97	8.26	.17
18	IRRIGATION OPERATION				
19	ASSIGNED INTEREST			······	
20	TOTAL VARIABLE COSTS	\$			27.42
21	RETURN OVER VARIABLE COSTS		54.93	160.68	-7.78
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$	18.72	20.12	13.46
32	FARM POWER & MACHINERY - OPERATION		25.86	34.06	18.06
33	BUILDING & FENCE COST		6.21	6.08	6.23
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST **				
36	LAND OPPORTUNITY OWNERSHIP COST **				
37	LAND COST		26.10	24.95	
38	UTILITIES & GENERAL FARM EXPENSE		6.23	6.29	4.90
39	HIRED LABOR		4.10	3.47	2.08
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		11.04	9.77	8.43
42	TOTAL ALLOCATED COSTS	\$	98.26	104.74	70.46
43	TOTAL LISTED COSTS		155.20	176.45	97.88
ΔΔ	RETTIRN OVER LISTED COSTS		-43.33	55.94	-76.32
****	***************************************	****	******	**********	*******
	SUPPLEMENTARY MANAGEMENT INFORMATION				06 57
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	151.96	177.54	96.57
52	WORK UNITS ASSIGNED / ACRE		.55	.55	.55
53	POWER COST ALLOCATION FACTOR		.99	1.00	.93
54	TOTAL LISTED COST / UNIT OF PRODUCTION	\$	3.59	1.96	13.41
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$	3.52	1.98	13.24
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	2.41	1.39	
57	RETURN OVER LISTED COSTS PER UNIT	\$	-1.00	.62	
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		59.9	68.1	32.7
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
62	QUANTITY SOLD (0.S.)				
	* DOES NOT INCLUDE INTEREST COSTS				

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* DOES NOT INCLUDE INTEREST COSTS

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY (LINE 36) COST IS LISTED AS THE LAND COST ON LINE 37.

TAB	TABLE 10 - CROP DATA FOR CORN GRAIN - 1988				
			AVERAGE	HIGH	LOW
ITE	MS		OF 83	16	16
			FARMS	FARMS	FARMS
3	ACRES		35.3	45.8	29.3
_				- PER ACRE	
4	YIELD	~	54.5	95.5	15.7
5	VALUE PER UNIT	\$	2.58 140.91	2.58 246.42	2.58 40.58
6 7	CROP PRODUCT RETURN OTHER CROP INCOME		140.91	240.42	40.58
<u>/</u> 8	TOTAL CROP RETURN	\$	140.91	246.42	40.58
10	VARIABLE COSTS	ć	32.38	33.41	31.13
10	FERTILIZER	\$	15.07	13.91	14.54
11 12	CHEMICALS		15.78	17.40	17.17
12	SEED CROP DRYING		1.93	2.60	.38
13 14	CROP DRIING CROP INSURANCE		1.25	1.77	• 50
$14 \\ 15$	OTHER EXPENSES		1.39	1.29	2.05
16	SPECIAL HIRED LABOR		.08	1.22	.07
17	CUSTOM WORK HIRED & LEASE EXPENSE		4.82	5.37	.78
18	IRRIGATION OPERATION		1102	3.37	• • •
19	ASSIGNED INTEREST				
$\frac{15}{20}$	TOTAL VARIABLE COSTS	\$	72.69	75.74	66.11
21	RETURN OVER VARIABLE COSTS	Ŧ	68.22	170.68	-25.53
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$	20.62	18.73	23.89
32	FARM POWER & MACHINERY - OPERATION	Ŷ	29.18	32.27	28.5
33	BUILDING & FENCE COST		6.83	5.50	6.22
34	IRRIGATION OWNERSHIP COST		0.00	5.50	0.25
35	LAND OWNERSHIP COST				
36	LAND OPPORTUNITY OWNERSHIP COST				
37	LAND COST **		25.54	15.56	22.88
38	UTILITIES & GENERAL FARM EXPENSE		6.97	6.18	7.95
39	HIRED LABOR		6.29	4.48	3.96
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		11.78	7.31	13.21
42	TOTAL ALLOCATED COSTS	\$	107.21	90.03	106.64
43	TOTAL LISTED COSTS	Ś	179.90	165.77	172.75
$\frac{13}{44}$	RETURN OVER LISTED COSTS		-38.99		-132.17

	SUPPLEMENTARY MANAGEMENT INFORMATION				
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	178.87	164.63	161.23
52	WORK UNITS ASSIGNED / ACRE		.55	.55	.55
53	POWER COST ALLOCATION FACTOR		.99	.99	.99
54	TOTAL LISTED COST / UNIT OF PRODUCTION	\$	3.30 3.28 2.33	1.74	
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$	3.28	1.72	
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	2.33	1.32	
57	RETURN OVER LISTED COSTS PER UNIT	\$	71	.84	
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		69.7	64.3	67.0
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
62	QUANTITY SOLD (O.S.)				

** THE LAND COST ON THIS TABLE IS THE ACTUAL RENT PAID FOR THE PROPERTY.

TABI	E 10 - CROP DATA FOR CORN FOR GRAIN (IRRIGATE	D) - 1988	
		OWNED ACRES	RENTED ACRES
ITEN	AS	ACREAGE OF	AVERAGE OF
		6 FARMS	8 FARMS
3	ACRES	49.6	72.3
5	ACILIS	PER ACRE	PER ACRE
4	YIELD	104.9	132.1
5	VALUE PER UNIT	\$ 2.51	2.60
6	CROP PRODUCT RETURN	263.33	343.18
7	OTHER CROP INCOME		
<u>/</u> 8	TOTAL CROP RETURN	\$ 263.33	343.18
0		·	
	VARIABLE COSTS		
10	FERTILIZER	\$ 31.94	47.00
11	CHEMICALS	14.01	10.12
12	SEED	15.83	22.78
13	CROP DRYING	2.20	6.17
14	CROP INSURANCE		1.67
15	OTHER EXPENSES	.99	.65
16	SPECIAL HIRED LABOR		7.99
17	CUSTOM WORK HIRED & LEASE EXPENSE	7.52	6.20
18	IRRIGATION OPERATION	23.32	17.09
19	ASSIGNED INTEREST		
20	TOTAL VARIABLE COSTS	\$ 95.80	119.68
21	RETURN OVER VARIABLE COSTS	167.53	223.50
	ALLOCATED COSTS (VARIABLE & FIXED)		
31	FARM POWER & MACHINERY - OWNERSHIP	\$ 19.44	17.12
32	FARM POWER & MACHINERY - OPERATION	34.62	29.49
33	BUILDING & FENCE COST	11.21	5.08
34	IRRIGATION OWNERSHIP COST	20.13	4.30
35	LAND OWNERSHIP COST		
36	LAND OPPORTUNITY OWNERSHIP COST		
37	LAND COST	26.27	50.63
38	UTILITIES & GENERAL FARM EXPENSE	8.13	8.89
39	HIRED LABOR	2.46	2.95
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED	7.14	6.72
42	TOTAL ALLOCATED COSTS	\$ 129.40	125.18
			244.00
<u>43</u>	TOTAL LISTED COSTS	\$ 225.20	244.86
44	RETURN OVER LISTED COSTS	\$ 38.13	98.32
;		***	
	SUPPLEMENTARY MANAGEMENT INFORMATION	\$ 236.51	249.21
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$ 230.51	.65
52	WORK UNITS ASSIGNED / ACRE	.05	1.00
53	POWER COST ALLOCATION FACTOR		1.00
54	TOTAL LISTED COST / UNIT OF PRODUCTION	\$ 2.15 \$ 2.26	1.85
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$ 2.26	
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$ 1.41	1.27
57	RETURN OVER LISTED COSTS PER UNIT	\$.36	.74
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)	89.7	94.2
59	TOTAL ACRE IN. WATER APPLIED	8.50	10.38
60	COST OF IRRIGATION*	\$ 43.45	21.39
61	AVERAGE PRICE RECEIVED / UNIT SOLD		
62	QUANTI'IY SOLD (O.S.)		

TAB	LE – 10 – CROP DATA FOR SOYBEANS – 1988			OWN	ED ACRES
1110		Ì	AVERAGE	HIGH	LOW
ITE	MS		OF 17	8	8
			FARMS	FARMS	FARMS
3	ACRES		34.4	27.4 - PER ACRE	40.3
Λ	YIELD		18.9	- PER ACRE 27.6	12.9
4 5	VALUE PER UNIT	Ś	7.19		7.21
6	CROP PRODUCT RETURN	Ŷ	135.49		92.83
7	OTHER CROP INCOME		100.10	19,000	
/ 8	TOTAL CROP RETURN	\$	135.49	197.37	92.83
	VARIABLE COSTS		10.00	0.10	
10	FERTILIZER	Ş	13.62	8.10	16.55
11	CHEMICALS		18.22	19.38	17.32
12	SEED		12.53	13.47	13.85
13	CROP DRYING		.57		1.07
14	CROP INSURANCE		20	7 3	.10
15	OTHER EXPENSES		.32	.73	•10
16	SPECIAL HIRED LABOR		$1.15 \\ 2.01$	$3.10 \\ 5.44$	
17	CUSTOM WORK HIRED & LEASE EXPENSE		2.01	5.44	
18	IRRIGATION OPERATION				
$\frac{19}{20}$	ASSIGNED INTEREST TOTAL VARIABLE COSTS	ć	48 52	50.22	48.88
20 21	RETURN OVER VARIABLE COSTS	Ą	87.07	147.15	43.95
21	NETONA OVER VARIABLE CODIO		07.07	11, 120	10120
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$	21.70	22.08	16.63
32	FARM POWER & MACHINERY - OPERATION		22.79	25.91	18.14
33	BUILDING & FENCE COST		6.18	7.77	5.76
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST **				
36	LAND OPPORTUNITY OWNERSHIP COST **				
37	LAND COST			33.04	
38	UTILITIES & GENERAL FARM EXPENSE			5.55	6.40
39	HIRED LABOR		4.43	1.24	6.87
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		17.56		15.68
42	TOTAL ALLOCATED COSTS	Ş	122.35	113.11	121.12
43	TOTAL LISTED COSTS	Ś	170.77	163.33	170.00
44	TOTAL LISTED COSTS RETURN OVER LISTED COSTS ************************************		-35.28	34.04	77.17
****	****	****	*******	*******	*******
	SUPPLEMENTARY MANAGEMENT INFORMATION				
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	159.83		160.27
52	WORK UNITS ASSIGNED / ACRE		.45	.45	.45
53	POWER COST ALLOCATION FACTOR		1.00		1.00
54	TOTAL LISTED COST / UNIT OF PRODUCTION	\$	9.04		
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION				
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	5.25		
57	RETURN OVER LISTED COSTS PER UNIT	\$	-1.87		
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		23.8	22.8	23.6
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
62	QUANTITY SOLD (0.S.)				
	* DOES NOT INCLUDE INTEREST COSTS				

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY (LINE 36) COST IS LISTED AS THE LAND COST ON LINE 37.

	e 10 - crop data for alfalfa hay - 1988	OWNED ACRE			
TABL	E IU - CIOF DATA TON ALL'ALL'ALL'ALL'E IN THE	i	AVERAGE	HIGH	LOW
ITEM	AC .		OF 155	31	31
TTET	CT.		FARMS	FARMS	FARMS
3	ACRES		49.2	71.2	35.2
5	ACIUS			- PER ACRE -	
4	YIELD		1.9	3.3	.7
	VALUE PER UNIT	Ś	85.46	83.29	90.00
5	CROP PRODUCT RETURN	т	165.02	272.57	58.81
6	OTHER CROP INCOME		.49		.57
7	TOTAL CROP RETURN	Ś	165.51		59.38
8	TUTAL CROP RETORN	Ŷ	100.01		
	VADIADIE COCTIC				
10	VARIABLE COSTS	Ś	16.57	15.15	16.51
10	FERTILIZER	Ŷ	.30	.11	.34
11	CHEMICALS		5.30	4.90	5.91
12	SEED		5.50	1.50	5.51
13	CROP DRYING				
14	CROP INSURANCE		2.05	2.60	.99
15	OTHER EXPENSES			.15	.80
16	SPECIAL HIRED LABOR		.45		
17	CUSTOM WORK HIRED & LEASE EXPENSE		1.30	1.63	.77
18	IRRIGATION OPERATION				
19	ASSIGNED INTEREST				05.01
20	TOTAL VARIABLE COSTS	\$		24.55	
21	RETURN OVER VARIABLE COSTS		139.53	248.26	34.07
	ALLOCATED COSTS (VARIABLE & FIXED)				. –
31	FARM POWER & MACHINERY - OWNERSHIP	\$		15.59	
?	FARM POWER & MACHINERY - OPERATION		31.38	-	28.44
ع3	BUILDING & FENCE COST		6.67	5.29	7.73
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST **				
36	LAND OPPORTUNITY OWNERSHIP COST **				
	LAND COST		31.61	26.10	27.44
37	UTILITIES & GENERAL FARM EXPENSE		-		6.79
38				4.65	2.67
39	HIRED LABOR		11.46	9.38	13.75
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED	ć	112.09		102.13
42	TOTAL ALLOCATED COSTS	၃	112.05	100.00	102.10
		ć	138.07	124.61	127.44
<u>43</u>	TOTAL LISTED COSTS	ş \$		124.01 148.20	-68.06
44	RETURN OVER LISTED COSTS	r*** 5			
***;					
	SUPPLEMENTARY MANAGEMENT INFORMATION	~	134.78	124.21	121.59
51	TOTAL COST ADJ TO A MIN 7% INTEREST	Ş		.60	.60
52	WORK UNITS ASSIGNED / ACRE		.60		.00
53	POWER COST ALLOCATION FACTOR		.99	1.00	
54	TOTAL LISTED COST / UNIT OF PRODUCTION		72.67	37.76	182.06
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION		69.80	37.96	186.09
56	CASH VARIABLE COST / UNIT OF PRODUCTION		42.85	23.52	109.94
57	RETURN OVER LISTED COSTS PER UNIT	\$		44.91	-97.23
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		1.6	1.5	1.4
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
60 61	AVERAGE PRICE RECEIVED / UNIT SOLD				
2	QUANTITY SOLD (0.S.)				
2	Anumitit Port (A.A.)				
	* DOES NOT INCLIDE INTEREST COSTS				

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY (LINE 36) COST IS LISTED AS THE LAND COST ON LINE 37.

ים איתי	e 10 - crop data for alfalfa hay - 1988			RENT	ED ACRES
IADI		P	VERAGE	HIGH	LOW
ITEN	ΛC		OF 72	14	14
T T L'U			FARMS	FARMS	FARMS
			22.0	84.2	29.1
3	ACRES		33.9	- PER ACRE ·	
٨	YIELD		2.1	3.2	.6
4 5	VALUE PER UNIT	Ś	82.51	86.79	90.24
5	CROP PRODUCT RETURN	Ŧ	170.38	274.18	52.71
6	OTHER CROP INCOME		.12		.79
<u>7</u> 8	TOTAL CROP RETURN	Ś	170.50	274.18	53.50
0		Ŧ			
	VARIABLE COSTS				
10	FERTILIZER	\$	16.90	13.03	22.27
11	CHEMICALS		.27	.49	.21
12	SEED		5.75	5.96	7.15
13	CROP DRYING				
14	CROP INSURANCE				
15	OTHER EXPENSES		2.18	2.08	1.58
16	SPECIAL HIRED LABOR		.56		
17	CUSTOM WORK HIRED & LEASE EXPENSE		.91	.70	.10
18	IRRIGATION OPERATION				
19	ASSIGNED INTEREST				
$\frac{19}{20}$	TOTAL VARIABLE COSTS	Ś	26.58	22.26	31.31
20 21	RETURN OVER VARIABLE COSTS	r	143.92	251.92	22.19
21	REIONN OVER VARIABLE CODID				
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$		16.31	
32	FARM POWER & MACHINERY - OPERATION		30.29	29.87	
33	BUILDING & FENCE COST		5.01	3.92	5.
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST				
36	LAND OPPORTUNITY OWNERSHIP COST				
30 37	LAND COST **		27.68	13.82	17.14
38	UTILITIES & GENERAL FARM EXPENSE		6.34	6.92	6.01
	HIRED LABOR		5.72	5.87	3.85
39	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		8.91	7.78	8.28
$\frac{41}{42}$	TOTAL ALLOCATED COSTS	Ś	102.27	79.53	80.67
42	TOTAL ALLOCATED CODIO	т			
43	TOTAL LISTED COSTS	\$	128.85	106.83	111.98
<u>45</u> 44	RETURN OVER LISTED COSTS	\$	41.65	167.35	-58.48
44 ****	ABIOR OVER 110100 COLL 110000 COLL 11000000 COLL 110000 COLL 110000 COLL 110000 COLL 1100000 COLL 110000	****	*******	*********	*******
	SUPPLEMENTARY MANAGEMENT INFORMATION				
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	129.03	112.30	108.83
52	WORK UNITS ASSIGNED / ACRE	•	.60	.60	.60
52	POWER COST ALLOCATION FACTOR		.99	1.00	.95
53 54	TOTAL LISTED COST / UNIT OF PRODUCTION	Ś	61.36	33.38	186.63
	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$		35.09	186.29
55	CASH VARIABLE COST / UNIT OF PRODUCTION	Ş		22.72	127.43
56	RETURN OVER LISTED COSTS PER UNIT	ŝ	19.83	52.30	-97.47
57	KEINKIN AVEL V INTELO COJO LEV ONTI	Ŷ	1.6	1.2	1.2
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		1.0	1 · C	1.0
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
62	QUANTITY SOLD (O.S.)				
	L DODG NOT INCLUDE INTEDECT COCTC				

** THE LAND COST ON THIS TABLE IS THE ACTUAL RENT PAID FOR THE PROPERTY.

madi	E 10 - CROP DATA FOR MEDIUM RED CLOVER HAY - 1988	8		OWN	ED ACRES
_IADL		F	VERAGE	HIGH	LOW
ITEM	1C		OF 16	8	8
111.1.			FARMS	FARMS	FARMS
3	ACRES		19.2	23.5	14.9
				- PER ACRE -	
4	YIELD	~	.9	1.3	.3
5	VALUE PER UNIT	Ş	72.78	71.61 94.47	79.80 26.78
6	CROP PRODUCT RETURN		68.23	94.4/	20.70
7	OTHER CROP INCOME	\$	68.23	94.47	26.78
8	TOTAL CROP RETURN	Ş	00.23	J4.4/	20.70
10	VARIABLE COSTS FERTILIZER	\$	10.99	11.32	10.40
10	CHEMICALS	r			
11 12	SEED		7.76	5.57	7.99
12	CROP DRYING				
$13 \\ 14$	CROP INSURANCE				
$14 \\ 15$	OTHER EXPENSES		1.20	1.91	.07
16	SPECIAL HIRED LABOR				
17	CUSTOM WORK HIRED & LEASE EXPENSE				.07
18	IRRIGATION OPERATION				
19	ASSIGNED INTEREST				
20	TOTAL VARIABLE COSTS	\$		20.81	18.52
21	RETURN OVER VARIABLE COSTS		48.28	73.66	8.26
	ALLOCATED COSTS (VARIABLE & FIXED)	ć	20.78	20.68	20.94
31	FARM POWER & MACHINERY - OWNERSHIP	Ş	19.48	18.17	21.54
2	FARM POWER & MACHINERY - OPERATION		3.23	3.36	3.02
33	BUILDING & FENCE COST		5.25	5.50	5.02
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST ** LAND OPPORTUNITY OWNERSHIP COST **				
36			43.96	47.96	37.66
37	LAND COST UTILITIES & GENERAL FARM EXPENSE				3.29
38			3.59	5.28	1.01
39	HIRED LABOR ACTUAL NON-REAL ESTATE INTEREST ALLOCATED				9.60
$\frac{41}{42}$	TOTAL ALLOCATED COSTS	\$	102.71		
42					
43	TOTAL LISTED COSTS			127.20	115.58
1 1		\$	-54.43	-32.73	
***	* * * * * * * * * * * * * * * * * * * *	***	*******	**********	******
	SUPPLEMENTARY MANAGEMENT INFORMATION		110 22	100 (0	111.48
51	TOTAL COST ADJ TO A MIN 7% INTEREST	Ş	118.33		.40
52	WORK UNITS ASSIGNED / ACRE		.40	.40	.40
53	POWER COST ALLOCATION FACTOR TOTAL LISTED COST / UNIT OF PRODUCTION	~	.96	1.00	395 27
54	TOTAL LISTED COST / UNIT OF PRODUCTION	Ş	126.29	97.00	332 20
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	ې د	120.22	40 AK	179 87
56	CASH VARIABLE COST / UNIT OF PRODUCTION	ς γ	60 10	-25.18	-296.00
57	RETURN OVER LISTED COSTS PER UNIT BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)	Ş	-00.40	1.8	-250.00
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		1•/	1.0	T • 1
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
.2	QUANTITY SOLD (O.S.)				
	* DOES NOT INCLIDE INTEREST COSTS				

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY (LINE 36) COST IS LISTED AS THE LAND COST ON LINE 37.

ידאפו	LE 10 - CROP DATA FOR OTHER GRASS HAY - 1988			REN	TED ACRES
		1	AVERAGE	HIGH	LOW
ITEN	NS		OF 54	10	10
1111			FARMS	FARMS	FARMC
3	ACRES		34.6	15.8	29.8
				1.010100	
4	YIELD		1.0	3.5	.3
5	VALUE PER UNIT	\$		40.82	60.90
6	CROP PRODUCT RETURN		47.20	144.68	20.44
7	OTHER CROP INCOME				
8	TOTAL CROP RETURN	\$	47.20	144.68	20.44
	VARIABLE COSTS				
10	FERTILIZER	\$	2.63		.77
11	CHEMICALS				
12	SEED		.46	2.09	.10
13	CROP DRYING				
14	CROP INSURANCE			_	
15	OTHER EXPENSES		1.27	5.95	.44
16	SPECIAL HIRED LABOR		.52		
17	CUSTOM WORK HIRED & LEASE EXPENSE		.20		.10
18	IRRIGATION OPERATION				
19	ASSIGNED INTEREST				
20	TOTAL VARIABLE COSTS	\$	5.09	8.04	1.41
21	RETURN OVER VARIABLE COSTS		42.11	136.64	19.03
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$		8.67	
32	FARM POWER & MACHINERY - OPERATION		16.04	19.05	18.01
33	BUILDING & FENCE COST		2.54	3.10	3.22
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST				
36	LAND OPPORTUNITY OWNERSHIP COST				
37	LAND COST **		13.61	17.90	
38	UTILITIES & GENERAL FARM EXPENSE		2.86	3.54	2.38
39	HIRED LABOR		1.21	1.46	.57
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		6.88	6.65	8.66
42	TOTAL ALLOCATED COSTS	\$	54.67	60.37	53.82
43	TOTAL LISTED COSTS		59.76		55.23
44	RETTIRN OVER LISTED COSTS		-12.56	76.27	-34.79
****	****	*****	*******	********	*******
	SUPPLEMENTARY MANAGEMENT INFORMATION				
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	57.05	49.81	51.64
52	WORK UNITS ASSIGNED / ACRE		.30	.30	.30
53	POWER COST ALLOCATION FACTOR		.99	.94	1.00
54	TOTAL LISTED COST / UNIT OF PRODUCTION	\$	59.76	19.55	
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$	56.40		153.90
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	32.08	11.07	103.47
57	RETURN OVER LISTED COSTS PER UNIT	\$	-12.56	21.79	-115.97
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		1.3	1.7	.9
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
62	QUANTITY SOLD (0.S.)				
. .	×				
	+ DOEC NOT INCLUDE INTEDECT COCTC				

* DOES NOT INCLUDE INTEREST COSTS ** THE LAND COST ON THIS TABLE IS THE ACTUAL RENT PAID FOR THE PROPERTY.

TABI	LE 10 - CROP DATA FOR LEGUME-GRASS MIX HAY - 198	38		OWI	ED ACRES
		1	VERAGE	HIGH	LOW
ITEN	1S		OF 99	19	19
			FARMS	FARMS	FARMS
2			53.3	56.1	42.3
3	ACRES			- PER ACRE	
4	YIELD		1.3	2.2	.5
4 5	VALUE PER UNIT	S		59.72	72.30
6	CROP PRODUCT RETURN	Ŷ		134.14	34.18
0 7	OTHER CROP INCOME		1.44		.19
<u>/</u> 8	TOTAL CROP RETURN	\$		134.14	34.37
0		r			•
	VARIABLE COSTS				
10	FERTILIZER	\$	6.00	8.36	1.80
11	CHEMICALS		.53		.09
12	SEED		2.85	.73	2.60
13	CROP DRYING				
14	CROP INSURANCE				
15	OTHER EXPENSES		1.59	1.62	1.28
16	SPECIAL HIRED LABOR		.02		.14
17	CUSTOM WORK HIRED & LEASE EXPENSE		.47	1.02	.28
18	IRRIGATION OPERATION				
19	ASSIGNED INTEREST				
20	TOTAL VARIABLE COSTS	\$		11.73	6.19
21	RETURN OVER VARIABLE COSTS		66.72	122.41	28.18
	ALLOCATED COSTS (VARIABLE & FIXED)		10 55	10 07	11 11
31	FARM POWER & MACHINERY - OWNERSHIP	Ş		12.07	
32	FARM POWER & MACHINERY - OPERATION			17.72	19.91
33	BUILDING & FENCE COST		3.85	3.85	4.52
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST **				
36	LAND OPPORTUNITY OWNERSHIP COST **		01 (5	22.24	
37	LAND COST			22.34	26.45 4.49
38	UTILITIES & GENERAL FARM EXPENSE				4.49 3.19
39	HIRED LABOR		2.70	2.96	
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		6.60	<u> </u>	<u> </u>
42	TOTAL ALLOCATED COSTS	\$	71.86	68.80	79.50
4.2		\$	83 33	80.53	85.69
<u>43</u> 44	TOTAL LISTED COSTS RETURN OVER LISTED COSTS	<u>\$</u>	-5.14	53.61	-51.32
44	REIURN OVER LIJIED CUID ************************************				
	SUPPLEMENTARY MANAGEMENT INFORMATION				
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	81.61	79.29	78.44
52	WORK UNITS ASSIGNED / ACRE	т	.40	.40	.40
53	POWER COST ALLOCATION FACTOR		1.00	1.00	1.00
54	TOTAL LISTED COST / UNIT OF PRODUCTION	Ŝ		36.60	
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION			35.30	
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	34.81	19.21	87.22
57	RETURN OVER LISTED COSTS PER UNIT	\$		24.37	
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)	r	1.4	1.3	1.2
59	TOTAL ACRE IN. WATER APPLIED				
60	COST OF IRRIGATION*				
61	AVERAGE PRICE RECEIVED / UNIT SOLD				
52	QUANTITY SOLD (0.S.)				
<u> </u>	×				
	* DOES NOT INCLUDE INTEREST COSTS				
	** THE LADCER OF THE OWNERSHIP (LINE 35) OR THE	OPP	NTTY	COST (LIN	E 36) IS

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY COST (LINE 36) IS LISTED AS THE LAND COST ON LINE 37.

	<u>LE 10 – CROP DATA FOR LEGUME-GRASS SILAGE – 1988</u>		AVERAGE	HIGH	IED ACRI LA
ITE	MS		OF 14	7	•
			FARMS	FARMS	FARI
3	ACRES		43.9	45.4	42.
5				- PER ACRE	
4	YIELD		2.6	3.4	1.
5	VALUE PER UNIT	\$	50.08	46.14	58.3
6	CROP PRODUCT RETURN		128.91	155.48	100.6
7	OTHER CROP INCOME				
8	TOTAL CROP RETURN	\$	128.91	155.48	100.6
	VARIABLE COSTS				
10	FERTILIZER	\$	21.55	23.41	19.6
11	CHEMICALS		.93	1.81	
12	SEED		6.72	5.64	7.8
13	CROP DRYING				
14	CROP INSURANCE				
15	OTHER EXPENSES				
16	SPECIAL HIRED LABOR		1.4	26	
17	CUSTOM WORK HIRED & LEASE EXPENSE		.14	.26	
18	IRRIGATION OPERATION				
<u>19</u> 20	ASSIGNED INTEREST TOTAL VARIABLE COSTS	ć	29.34	31.12	27.4
20 21	RETURN OVER VARIABLE COSTS	Ş	29.54 99.57		73.
с, т			55.57	101000	
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$			
32	FARM POWER & MACHINERY - OPERATION		31.14	33.59	28.5
33	BUILDING & FENCE COST		3.94	5.97	1.8
34	IRRIGATION OWNERSHIP COST				
35	LAND OWNERSHIP COST **				
36	LAND OPPORTUNITY OWNERSHIP COST **		AA (7	24 00	г с -
37	LAND COST UTILITIES & GENERAL FARM EXPENSE		44.67 5.95	34.08 6.74	56.1 5.0
38 39	HIRED LABOR		6.33	7.71	4.8
11	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		13.33		
12	TOTAL ALLOCATED COSTS		117.09		
		Ŷ	11,000	110,20	2021
13	TOTAL LISTED COSTS RETURN OVER LISTED COSTS ************************************	\$	146.43	144.34	
4	RETURN OVER LISTED COSTS			11.14	-48.2
	SUPPLEMENTARY MANAGEMENT INFORMATION				~ ~ ~ ~ ~ ~ ~ / /
51	TOTAL COST ADJ TO A MIN 7% INTEREST	Ś	125.13	137.05	112.6
52	WORK UNITS ASSIGNED / ACRE	•	.40		. 4
53	POWER COST ALLOCATION FACTOR		.97	1.00	• •
54	TOTAL LISTED COST / UNIT OF PRODUCTION	\$	56.32	42.45	87.6
5	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$	48.61	40.67	65.2
6	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	33.11	26.91	47.3
7	RETURN OVER LISTED COSTS PER UNIT			3.28	
8	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		2.9	3.1	2.
9	TOTAL ACRE IN. WATER APPLIED				
0	COST OF IRRIGATION*				
1	AVERAGE PRICE RECEIVED / UNIT SOLD				
2	QUANTITY SOLD (0.S.)				

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY COST (LINE 36) IS LISTED AS THE LAND COST ON LINE 37.

ידאד	LE 10 - CROP DATA FOR CORN SILAGE - 1988			OWNED ACRES			
11101			AVERAGE	HIGH	LOW		
ITE	MS		OF 190	38	38		
			FARMS	FARMS	FARMS		
2	NGDEC		48.2	32.0	59.1		
3	ACRES		40.2				
4	YIELD		5.5	10.7	2.6		
5	VALUE PER UNIT	Ś		19.63			
6	CROP PRODUCT RETURN	Ŷ	106.29		48.51		
	OTHER CROP INCOME		100.25	202110			
<u>7</u> 8	TOTAL CROP RETURN	\$	106.29	209.78	48.51		
Ū							
	VARIABLE COSTS						
10	FERTILIZER	\$		30.28	23.98		
11	CHEMICALS		12.78	10.44	13.21		
12	SEED		14.44	14.47	13.42		
13	CROP DRYING				.03		
14	CROP INSURANCE		.39	.31	.19		
15	OTHER EXPENSES		.44	.03	.59		
16	SPECIAL HIRED LABOR		.48	.56	.05		
17	CUSTOM WORK HIRED & LEASE EXPENSE		1.22	1.84	.59		
18	IRRIGATION OPERATION						
19	ASSIGNED INTEREST						
$\frac{15}{20}$	TOTAL VARIABLE COSTS	Ś	57.20	57.94	52.06		
21	RETURN OVER VARIABLE COSTS	Ŧ	49.09	151.84	-3.55		
61							
	ALLOCATED COSTS (VARIABLE & FIXED)						
31	FARM POWER & MACHINERY - OWNERSHIP	\$		19.75			
32	FARM POWER & MACHINERY - OPERATION		34.69	33.19	37.51		
33	BUILDING & FENCE COST		6.64	6.63	7.92		
34	IRRIGATION OWNERSHIP COST						
35	LAND OWNERSHIP COST **						
36	LAND OPPORTUNITY OWNERSHIP COST **						
37	LAND COST		36.02	25.15	38.26		
38	UTILITIES & GENERAL FARM EXPENSE		6.89	6.50	7.11		
39	HIRED LABOR		4.77	6.16	3.91		
41	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		15.15	13.56	12.59		
42	TOTAL ALLOCATED COSTS	\$	126.94	110.94	131.55		
		·					
43	TOTAL LISTED COSTS			168.88	183.61		
44	RETURN OVER LISTED COSTS		-77.85		-135.10		
****	***************************************	****	******	*********	******		
	SUPPLEMENTARY MANAGEMENT INFORMATION						
51	TOTAL COST ADJ TO A MIN 7% INTEREST	\$	176.83		180.42		
52	WORK UNITS ASSIGNED / ACRE		.60	.60	.60		
53	POWER COST ALLOCATION FACTOR		1.00				
54	TOTAL LISTED COST / UNIT OF PRODUCTION			15.78			
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	\$		15.24			
56	CASH VARIABLE COST / UNIT OF PRODUCTION	\$	21.58	10.97	43.53		
57	RETURN OVER LISTED COSTS PER UNIT	\$	-14.15	3.82	-51.96		
58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)		9.5	8.6	9.7		
59	TOTAL ACRE IN. WATER APPLIED						
60	COST OF IRRIGATION*						
61	AVERAGE PRICE RECEIVED / UNIT SOLD						
62	QUANTITY SOLD (0.S.)						
	~						
	A DODG NOT INCLUDE INTEDECT COCHC						

** THE LARGER OF THE OWNERSHIP (LINE 35) OR THE OPPORTUNITY COST (LINE 36) IS LISTED AS THE LAND COST ON LINE 37.

TAB	LE 10 - CROP DATA FOR CORN FOR SILAGE - 1988			RENT	ED ACRES
		F	VERAGE	HIGH	LOW
ITE	MS		OF 123	24	24
			FARMS	FARMS	FARMS
_			<u> </u>	05.4	0 0 0
3	ACRES		29.2	25.4	29.3
				- PER ACRE 9.5	2.0
4	YIELD	ċ	5.0	9.5 19.60	2.0 19.08
5	VALUE PER UNIT	Ş	19.35 96.75	185.98	39.08
6	CROP PRODUCT RETURN		90.75	103.90	39.00
<u>7</u> 8	OTHER CROP INCOME TOTAL CROP RETURN	\$	96.75	185.98	39.08
8	IUIAL CROP RETORN	Ş	90.75	105.50	55.00
	VARIABLE COSTS				
10	FERTILIZER	\$	27.91	27.32	22.56
10	CHEMICALS	Ŷ	13.05	13.03	12.66
12	SEED		13.87	14.80	11.98
13	CROP DRYING		.41	.43	.03
14	CROP INSURANCE		• 11	• 15	•05
14	OTHER EXPENSES		.41	1.14	.07
16	SPECIAL HIRED LABOR		.41	.79	•07
$10 \\ 17$	CUSTOM WORK HIRED & LEASE EXPENSE		1.64	4.06	.27
18	IRRIGATION OPERATION		1.04	4.00	• 2 1
18 19	ASSIGNED INTEREST				
$\frac{19}{20}$	TOTAL VARIABLE COSTS	\$	57.71	61.57	47.58
20 21	RETURN OVER VARIABLE COSTS	Ş	39.04	124.41	-8.50
21	REIURN OVER VARIABLE COSIS		39.04	124.41	-0.00
	ALLOCATED COSTS (VARIABLE & FIXED)				
31	FARM POWER & MACHINERY - OWNERSHIP	\$	23.29	21.34	18.74
32	FARM POWER & MACHINERY - OPERATION	Ŷ	34.18	32.52	33.2
32 33	BUILDING & FENCE COST		6.16	4.80	9.t.
33 34	IRRIGATION OWNERSHIP COST		0.10	4.00	J •0.
34 35	LAND OWNERSHIP COST				
35 36	LAND OPPORTUNITY OWNERSHIP COST				
30 37	LAND OPPORTONITY OWNERShip COST LAND COST **		23.34	9.21	18.17
37 38	UTILITIES & GENERAL FARM EXPENSE		6.88	6.77	7.03
38 39	HIRED LABOR		5.17	6.10	5.94
	ACTUAL NON-REAL ESTATE INTEREST ALLOCATED		12.95	15.55	<u>11.74</u>
<u>41</u> 42	TOTAL ALLOCATED COSTS	<u>خ</u>	111.97	96.29	104.52
42	TOTAL ALLOCATED COSTS	Ş	111.71	90.29	104.52
43	TOTAL LISTED COSTS	Ċ	169 68	157.86	152 10
43	RETURN OVER LISTED COSTS		-72.93		-113.02

	SUPPLEMENTARY MANAGEMENT INFORMATION				
51	TOTAL COST ADJ TO A MIN 7% INTEREST	Ś	168.53	163.82	145.29
52	WORK UNITS ASSIGNED / ACRE	4	.60	.60	.60
53	POWER COST ALLOCATION FACTOR		1.00		1.00
55 54	TOTAL LISTED COST / UNIT OF PRODUCTION	Ċ	33.94	16.62	
55	TOTAL ADJUSTED COST / UNIT OF PRODUCTION	Υ ¢	33.71	17.27	
56	CASH VARIABLE COST / UNIT OF PRODUCTION	ч с	23.38	12.90	
57	RETURN OVER LISTED COSTS PER UNIT			2.96	-56.51
57 58	BREAKEVEN YIELD / UNIT OF PRODUCTION (XX.X)	÷.	8.8		8.0
58 59	TOTAL ACRE IN. WATER APPLIED		0.0	0.1	0.0
59 60	COST OF IRRIGATION*				
60 61	AVERAGE PRICE RECEIVED / UNIT SOLD				
61 62	QUANTITY SOLD (0.S.)				
02					

* DOES NOT INCLUDE INTEREST COSTS

** THE LAND COST ON THIS TABLE IS THE ACTUAL RENT PAID FOR THE PROPERTY.

COSTS AND RETURNS FROM LIVESTOCK ENTERPRISES

Productive livestock enterprises are an important part of many farm businesses in Minnesota. Farms involved in this report may have one or more livestock enterprises. The following tables pertain to these livestock enterprises.

Since feed is the largest single item of cost for all classes of livestock, return over feed costs has been used to classify farm livestock enterprises into high, low and average groups.

Other cash costs relatively easy to identify and classify in the farm records are listed in each of the tables as other direct costs.

Allocated costs include interest charges to the enterprise, allocated charges for hired labor, utilities, power and machinery, livestock equipment, and building and fence costs. These costs are allocated to each livestock enterprise by the computer using a carefully devised formula to make the proper allocations.

Each enterprise table includes supplementary management information. This information can provide clues indicating the strengths and weaknesses of each enterprise.

			л		15 IAULS
1	PRODUCTION				1162
Ŧ	FIODOCITON			PER CWT	/LITTER
2	NET INCREASE IN VALUE: HOGS*		ć	43.08	500.57
3	OTHER MISCELLANEOUS INCOME		Ŷ	43.00	500.57
<u>3</u> 4	TOTAL VALUE PRODUCED		Ś	43.08	500.57
4			Ş	43.00	200.27
r	FEED FED: QUANTITY & COST	LBS/CWT	\$	7.88	01 55
6	CORN	194.07 43.52	Ş		91.55 24.72
7	OTHER GRAIN			2.13	
8	COMPLETE RATION	86.86		4.96	57.64
9	PROT., SALT, MIN.	33.94		8.13	94.45
10	TOTAL GRAIN MIX	358.39		23.10	268.36
11	FORAGES	26.62		.64	7.40
<u>12</u>	PASTURE			.07	.81
13	TOTAL FEED COST		\$	23.81	276.57
14	RETURN OVER FEED COSTS			19.27	224.00
	OTHER DIRECT COSTS				
16	VETERINARY			.76	8.87
17	BREEDING				
18	MISCELLANEOUS			.67	7.77
19	CUSTOM WORK & LEASE			.75	8.68
20	SPECIAL HIRED LABOR			.07	.83
21	ASSIGNED INTEREST				
22	TOTAL OTHER DIRECT COSTS		\$	2.25	26.15
23	TOTAL DIRECT COSTS INCL FEED		\$	26.06	302.72
24	RETURN OVER ALL DIRECT COSTS		•	17.02	197.85
	ALLOCATED COSTS				
27	ACT INT PD LESS INT ASSIGNED-L21		\$	2.18	25.31
28	GENERAL HIRED LABOR		•	.93	10.80
29	UTILITIES & MISCELLANEOUS			1.31	15.26
30	POWER & MACHINERY PCAF 1.00			1.02	11.81
31	LIVESTOCK EQUIPMENT ECAF 1.00			1.51	17.54
32	BUILDINGS & FENCES BCAF 1.00			2.94	34.20
33	TOTAL ALLOCATED COSTS			9.89	114.92
<u>34</u>	TOTAL ACTUAL LISTED COSTS			35.95	417.64
35	RETURN OVER ACTUAL LISTED COSTS			7.13	82.93
55	ABIONA OVER ACTORE EISTED COSTS			7.15	02
36	TOTAL COSTS ADJ TO 7% MIN INT.		ć	36.73	426.79
30 37	RETURN OVER LISTED & 7% OPPORTUNITY		ခု	30.73	420.79
38				6.35	73.78
	INTEREST COST ************************************	2007/01 444444			
		ATION AAAAA			~ ~ ~ ~ ~ ~ ~ ~ ~ ~
	RETURN/\$100 FEED FED		Ş	180.99	
	AVE WT./MKT. HOG SOLD		~	228	
	PRICE REC'D/CWT. MKT HOGS		\$	44.23	
	TOTAL NO. LITTERS FARROWED			47	
	LITTERS/SOW/YEAR			1.62	
	NO. PIGS BORN/LITTER			9.06	
	NO. PIGS WEAN/LITTER			7.47	
	NO. PIGS PRODUCED/SOW/YEAR			11.34	
	LITTERS/CRATE/YEAR			5.22	
	PIGS WEANED/CRATE/YEAR			39.00	
	MKT. ANIMAL DEATH LOSS AS % OF TOTAL				
51	BREEDING HERD DEATH LOSS 4.50			4.50	
52	PRICE/CWT. GRAIN MIX FED		\$	6.44	
53	PRICE/CWT. PROT., SALT, MIN.		\$	23.96	
	FARROWING RATE			161	

AVERAGE OF 13 FARMS

AVERAGE OF 9 FARMS

					100 1
1	PRODUCTION - POUNDS				199.1 PER HEAD
				<u>ER CWT</u> 33.67	67.04
2	NET INCREASE IN VALUE: HOGS*		\$	33.0/	07.04
3	OTHER MISCELLANEOUS INCOME		<u> </u>	33.67	67.04
4	TOTAL VALUE PRODUCED		\$	22.01	07.04
	FEED FED: QUANTITY & COST	LBS/CWT	~	9.63	19.17
6	CORN	243.0	\$.20	.40
7	OTHER GRAIN	3.3			.40
8	COMPLETE RATION	71.7		5.09	
<u>9</u>	PROT., SALT, MIN.	70.7		10.26	20.44
10	TOTAL GRAIN MIX	388.7		25.18	50.15
11	FORAGES	2.7		.01	.02
<u>12</u>	PASTURE			05 10	<u>_</u>
13	TOTAL FEED COST		\$	25.19	50.17
14	RETURN OVER FEED COSTS			8.48	16.87
	OTHER DIRECT COSTS				- 4
16	VETERINARY			.37	.74
17	MISCELLANEOUS			.21	.41
18	CUSTOM WORK & LEASE EXPENSE			.36	.72
19	SPECIAL HIRED LABOR				
20	ASSIGNED INTEREST			.05	.09
21	TOTAL OTHER DIRECT COSTS		\$.99	1.96
22	TOTAL DIRECT COSTS INCL FEED		\$	26.18	52.13
23	RETURN OVER ALL DIRECT COSTS			7.49	14.91
20					
	ALLOCATED COSTS				
26	ACT INT PD LESS INT ASSIGNED-L20		\$	1.11	2.22
27	GENERAL HIRED LABOR			1.67	3.32
28	UTILITIES & MISCELLANEOUS			.96	1.92
29	POWER & MACHINERY PCAF .93			1.18	2.36
30	LIVESTOCK EQUIPMENT ECAF .92			1.29	2.57
31	BUILDINGS & FENCES BCAF .96			1.25	2.48
32	TOTAL ALLOCATED COSTS		\$	7.46	14.87
JZ					
<u>33</u>	TOTAL ACTUAL LISTED COSTS		\$	33.64	67.00
34	RETURN OVER ACTUAL LISTED COSTS			.03	.04
51					
35	TOTAL COSTS ADJ TO 7% MIN INT.		\$	35.28	70.25
36	RETURN OVER LISTED & 78 OPPORTUNITY		·		
37	INTEREST COST			-1.61	-3.21
***	************ SUPPLEMENTARY MANAGEMENT INFO	RMATION *****	****	******	*******
	RETURN/\$100 FEED FED		Ś	133.62	
40	AVE WT./MKT. HOG SOLD		Ŧ	239.45	
40	PRICE REC'D/CWT. MKT HOGS		Ś	43.82	
	AVE. WEIGHT/PIG PURCHASED		Ŷ	37.79	
42	AVE. WEIGHT/PIG FURCHASED AVE. PRICE/PIG PURCHASED		\$	34.60	
43			Ŷ	329	
44	NO. PIGS PURCHASED			194	
45	NO. PIGS TRANSFERRED OUT/IN			12434	
46	POUNDS OF PORK PURCHASED			179.1	
47	AVE NUMBER OF PIGS ON HAND			4.23	
48	PERCENT DEATH LOSS			1.39	
49	EFFECTIVE DAILY GAIN		ć	6.48	
50	PRICE/CWT. GRAIN MIX FED		\$ \$	14.52	
51	PRICE/CWT. PROT., SALT, MIN.		Ş	455	
52	NUMBER OF PIGS PRODUCED			400	

AVERAGE OF 18 FARMS

		·······	651	93
1	PRODUCTION		001	93
		PI	ER HEAD	/LITTER
2	NET INCREASE IN VALUE: HOGS*		41.94	293.58
3	OTHER MISCELLANEOUS INCOME			
4	TOTAL VALUE PRODUCED	\$	41.94	293.58
	FEED FED: QUANTITY & COST LBS/CWT			
6	CORN 241.57	\$	7.67	53.69
7	OTHER GRAIN 25.79		.96	6.70
8	COMPLETE RATION 155.37		10.33	72.33
<u>9</u>	PROT., SALT, MIN. 75.07		8.45	<u> </u>
10	TOTAL GRAIN MIX 497.80		27.41	191.90
11	FORAGES 4.19		.11	.77
<u>12</u>	PASTURE			
13	TOTAL FEED COST	\$		192.67
14	RETURN OVER FEED COSTS		14.42	100.91
	OTHER DIRECT COSTS			
16	VETERINARY		1.12	7.82
17	BREEDING			
18	MISCELLANEOUS		1.15	8.04
19	CUSTOM WORK & LEASE		.33	2.30
20	SPECIAL HIRED LABOR			
<u>21</u>	ASSIGNED INTEREST			
22	TOTAL OTHER DIRECT COSTS	\$		18.61
23	TOTAL DIRECT COSTS INCL FEED		30.12	210.83
24	RETURN OVER ALL DIRECT COSTS		11.82	82.75
	ALLOCATED COSTS		0.00	00 70
27	ACT INT PD LESS INT ASSIGNED-L21	\$	2.96	20.70
28	GENERAL HIRED LABOR		2.61	18.29
29	UTILITIES & MISCELLANEOUS		2.67	18.72
30	POWER & MACHINERY PCAF 1.00		1.70	11.90
31	LIVESTOCK EQUIPMENT ECAF 1.21		2.43	17.00
32	BUILDINGS & FENCES BCAF 1.24		3.32	23.23
33	TOTAL ALLOCATED COSTS		15.69	109.84
24	TOTAL ACTUAL LISTED COSTS	Ś	45.81	320.67
<u>34</u> 35	RETURN OVER ACTUAL LISTED COSTS	Ş	-3.87	-27.09
30	REIORN OVER ACTORE HISTED COSTS			27.05
36	TOTAL COSTS ADJ TO 7% MIN INT.	S	46.05	322.34
37	RETURN OVER LISTED & 7% OPPORTUNITY	Ŷ	10.05	000.01
38	INTEREST COST		-4.11	-28.76
***	**************************************	*****		
40	RETURN/\$100 FEED FED		152.37	
41	AVE WT./PIG SOLD OR TRANSFER	Ŧ	50	
42	PRICE REC'D/PIG SOLD	Ś	38.02	
43	LITTERS/SOW/YEAR	Ŧ	1.7	
44	NO. PIGS BORN/LITTER		10	
45	NO. PIGS WEAN/LITTER		7.9	
46	PIGS PRODUCED/SOW/YEAR		12.1	
47	LITTERS/CRATE/YEAR		7.2	
48	PIGS WEANED/CRATE/YEAR		56.62	
49 49	FDR PIG DEATHS: AS & OF TOT LOSS		98.2	
50	BREEDING DEATHS: AS & OF TOT LOSS		1.8	
51	PRICE/CWT. GRAIN MIX FED	\$	_	
52	PRICE/CWT. PROT., SALT, MIN.	\$		
		•		

AVERAGE OF 215 FARMS

				40 1	
1	AVERAGE NUMBER OF COWS		50	48.1	
				R COW	PER CWT
2	POUNDS OF MILK			16062	
3	POUNDS OF BUTTERFAT			581	
4	PERCENT OF BUTTERFAT IN MILK			3.62	
5	VALUE OF PRODUCE				
6	DAIRY PRODUCTS SOLD		\$ 18	35.57	
7	DAIRY PRODUCTS USED IN HOME			8.13	
8	MILK FED TO LIVESTOCK			15.01	
9	NET INCREASE IN VALUE:		-1	05.41	
10	OTHER MISCELLANEOUS INCOME				
	TOTAL VALUE PRODUCED		\$ 17	53.30	10.92
11	FEED FED: <u>QUANTITY & COST</u>	LBS/CWT	•		
		3823	S 1	53.14	.95
	CORN	210		10.71	.07
14	SMALL GRAIN	1272		.07.17	.67
	COMPLETE RATION	1377		14.45	1.34
<u>16</u>	PROT., SALT, MIN.			85.47	3.03
17	TOTAL GRAIN MIX	6682		.82.95	1.14
18	LEGUME HAY	4666	T		.11
19	OTHER DRY HAY & ROUGHAGE	605		17.88	.11
20	HAYLAGE	2431		42.60	
21	SILAGE	8707		75.76	.47
22	PASTURE			5.01	.03
23	TOTAL FEED COSTS			309.67	
24	RETURN OVER FEED COST		\$ 9	943.63	5.87
	OTHER DIRECT COSTS				
26	VETERINARY		\$	39.29	
27	BREEDING			20.40	.13
28	MISCELLANEOUS			97.28	.61
20	CUSTOM WORK & LEASE EXPENSE			56.67	.35
30	SPECIAL HIRED LABOR			5.90	.04
	ASSIGNED INTEREST			4.84	.03
$\frac{31}{22}$	TOTAL OTHER DIRECT COSTS			224.38	1.40
32	TOTAL DIRECT COSTS INCL FEED		\$ 10	034.05	6.45
33	RETURN OVER ALL DIRECT COSTS			719.25	4.47
34			Ŧ		
~	ALLOCATED COSTS ACT INT PD LESS INT ASSIGNED-L31			94.94	.59
37				75.38	.47
38	GENERAL HIRED LABOR			91.97	.57
39	UTILITIES & MISCELLANEOUS			59.30	.37
40	POWER & MACHINERY PCAF 1.00			58.58	.36
41	LIVESTOCK EQUIPMENT ECAF 1.05			69.87	.30
<u>42</u>	BUILDINGS & FENCES BCAF 1.06			450.04	2.80
43	TOTAL ALLOCATED COSTS		\$	450.04	2.00
			A 1	101 00	0.25
<u>44</u>	TOTAL ACTUAL LISTED COSTS			484.09	9.25
45	RETURN OVER ACTUAL LISTED COSTS		\$	269.21	1.67
					0.00
46	TOTAL COSTS ADJ TO 7% MIN INT.		Ş 1	487.68	9.26
47					
10			\$	265.62	1.66
**	**************************************	ORMATION **	******	******	******
50			\$	216.55	
50				2.40	
51			\$	11.58	
52 53			•	41.58	
53 54				39	
54	ALLIOTIUTE DUI LUTIEU CONOCIED' COM DII				

TAE	BLE 12 - DAIRY COWS, COMMERCIAL - 198	38				
				HIGH		LOW
				43		43
				FARMS		FARMS
1	AVERAGE NUMBER OF COWS			57.0		39.7
				PER COW		PER COW
2	POUNDS OF MILK			18388		12678
3	POUNDS OF BUTTERFAT			645		469
4	PERCENT OF BUTTERFAT IN MILK			3.51		3.70
5	VALUE OF PRODUCE			5.51		5.70
	DAIRY PRODUCTS SOLD		\$	2111.77		1444.48
6			Ş	12.39		6.07
7	DAIRY PRODUCTS USED IN HOME			12.39		9.19
8	MILK FED TO LIVESTOCK					
9				-83.02		-140.48
<u>10</u>	OTHER MISCELLANEOUS INCOME			0055 16		1210 00
11	TOTAL VALUE PRODUCED		\$	2057.16		1319.26
12	~ ~ –	BS/COW			LBS/COW	
13	CORN	4612	\$	179.04	2902	117.58
14	SMALL GRAIN	172		7.35	296	14.58
15	COMPLETE RATION	673		59.23	2188	174.94
16	PROT., SALT, MIN.	1568		241.93	810	<u>134.79</u>
-	TOTAL GRAIN MIX	7025		487.55	6196	441.89
18	LEGUME HAY	4852		186.04	5581	201.11
19	OTHER DRY HAY & ROUGHAGE	365		10.16	778	21.79
20	HAYLAGE	2587		43.39	2108	51.21
20	SILAGE	7873		68.47	7926	65.54
	PASTURE	7075		2.86	1920	8.34
22	TOTAL FEED COSTS		\$	798.47		789.88
23			\$ \$	1258.69		529.38
24	RETURN OVER FEED COST		Ş	1230.09		529.50
	OTHER DIRECT COSTS		<u>^</u>	A A . 77 A		20.20
26	VETERINARY		\$	44.74		30.28
27	BREEDING			23.51		13.10
28	MISCELLANEOUS			120.05		73.12
29	CUSTOM WORK & LEASE EXPENSE			58.61		49.95
30	SPECIAL HIRED LABOR			16.61		1.44
<u>31</u>	ASSIGNED INTEREST			10.54		
32	TOTAL OTHER DIRECT COSTS		\$	274.06		167.89
33	TOTAL DIRECT COSTS INCL FEED		\$	1072.53		957.77
34	RETURN OVER ALL DIRECT COSTS		\$	984.63		361.49
	ALLOCATED COSTS					
37	ACT INT PD LESS INT ASSIGNED-L31		\$	98.41		115.22
38	GENERAL HIRED LABOR		•	91.45		62.62
39	UTILITIES & MISCELLANEOUS			98.44		86.34
40	POWER & MACHINERY PCAF 1.0	5		55.95		66.64
40	LIVESTOCK EQUIPMENT ECAF 1.0	ů N		77.31		51.00
	BUILDINGS & FENCES BCAF 1.0			77.43		63.09
<u>42</u> 43	TOTAL ALLOCATED COSTS	0		498.99		444.91
43	TOTAL ALLOCATED COSTS			490.99		444.91
				1571 50		1402 60
44	TOTAL ACTUAL LISTED COSTS			1571.52		1402.68
45	RETURN OVER ACTUAL LISTED COS	15		485.64		-83.42
						1005 54
46	TOTAL COSTS ADJ TO 78 MIN INT			1570.17		1385.54
47	RETURN OVER LISTED & 7% OPPOR	TUNITY				
48	INTEREST COST		\$			-66.28
****	************** SUPPLEMENTARY MANAGEM	ENT INFO	RMATI			
50	RETURN/\$100 FEED FED		\$			167.02
51	POUNDS OF MILK/POUND GRAIN MIX			2.62		2.05
52	AVERAGE PRICE/CWT. SOLD		\$	11.64		11.52
53	DAIRY COW TURNOVER PERCENTAGE		·	42.11		37.78
54	APPROXIMATE DRY MATTER CONSUMED/C	OW/DAY		39		39
~ •						

TAB	LE 13 - OTHER DAIRY COMMERCIAL	REPLACEMENTS	<u>- 1988</u>			
				AVERAGE		LOW
				OF 223	45	45
				FARMS	FARMS	
1	AVERAGE NUMBER OF HEAD			56.4	53.2	55.7
Ŧ	AVENUEL NOTESHIC OF TELES		F		PER HEAD	PER HEAD
2	NET INCREASE IN VALUE:		\$			
	OTHER MISCELLANEOUS INCOME		Ŧ	00200-		
3			Ś	362.91	519.89	243.86
4	TOTAL VALUE PRODUCED		Ŷ	502.91	515.05	210100
		AVERAGE				
	FEED FED: QUANTITY & COST	LBS/HEAD	~	22.39	20.36	21.97
6	CORN	554	\$			
7	SMALL GRAIN	88		4.84	8.68	4.74
8	COMPLETE RATION	431		27.84	33.35	33.36
9	PROT., SALT, MIN.	148		24.63	25.41	30.29
10	TOTAL GRAIN MIX	1221		79.70		90.36
11	LEGUME HAY	1218		37.98	30.19	
12	OTHER DRY HAY & ROUGHAGE	1077		28.40		
13	HAYLAGE	197		3.76	.94	
14	SILAGE	4755		42.11	34.14	49.16
15	MILK	126		12.36	12.59	11.58
	PASTURE	120		7.41		
16			\$	211.72	193.73	252.98
17	TOTAL FEED COSTS		\$	151.19		
18	RETURN OVER FEED COST		Ş	191019	520,10	5112
	OTHER DIRECT COSTS		~	4.89	4.42	4.97
20	VETERINARY		\$			
21	BREEDING			3.12	4.55	
22	MISCELLANEOUS			5.48		
23	CUSTOM WORK & LEASE EXPENSE			2.27		1.42
24	SPECIAL HIRED LABOR			.59	.30	1.27
<u>25</u>	ASSIGNED INTEREST			.34		
26	TOTAL OTHER DIRECT COSTS		\$	16.69	17.79	15.56
27	TOTAL DIRECT COSTS INCL	FEED	\$	228.41	211.52	268.54
28	RETURN OVER ALL DIRECT		\$	134.50	308.37	-24.68
20						
	ALLOCATED COSTS					
20	ACTUAL INTEREST PAID LESS					
30	INTEREST ASSIGNED-L25		\$	15.84	19.50	13.30
31	GENERAL HIRED LABOR		Ŷ	15.22	12.62	10.14
32				16.50	15.55	16.00
33	UTILITIES & MISCELLANEOUS	DOME: 1.00		10.30	9.07	10.28
34	POWER & MACHINERY	PCAF 1.00				10.20
35	LIVESTOCK EQUIPMENT	ECAF 1.05		10.53		
<u>36</u>	BUILDINGS & FENCES	BCAF 1.05		11.87		10.31
37	TOTAL ALLOCATED COSTS		\$	80.10	79.30	70.92
<u>38</u>	TOTAL ACTUAL LISTED COS		\$	308.51	290.82	339.46
39	RETURN OVER ACTUAL LIST	ED COSTS		54.40	229.07	-95.60
40	TOTAL COSTS ADJ TO 78 M	IN INT.		340.65	325.60	366.77
40	RETURN OVER LISTED & 78					
42	INTEREST COST	0	\$	22.26	194.29	-122.91
***	***************************************	*****	******			
~ ~ *	SUPPLEMENTARY MANAGEMENT INFC					
			\$	171.41	268.37	96.39
44	RETURN/\$100 FEED FED		Ş	12.00		17.82
45	PERCENT CALF DEATH LOSS			12.00	0.05	11.02

TABLE 13 - OTHER DAIRY COMMERCIAL REPLACEMENTS - 1988

AVERAGE OF 225 FARMS

1	AVERAGE NUMBER OF COWS			48.2	
				PER COW	PER CWT
2	POUNDS OF MILK			15957.49	
3	POUNDS OF BUTTERFAT			579.25 3.63	
4	PERCENT OF BUTTERFAT IN MILK			3.03	
5	VALUE OF PRODUCE		~	1007 00	
6	DAIRY PRODUCTS SOLD		\$	1827.20	
7	DAIRY PRODUCTS USED IN HOME			8.01	
8	MILK FED TO LIVESTOCK			14.88	
9	NET INCREASE IN VALUE:			327.37	
<u>10</u>	OTHER MISCELLANEOUS INCOME			0177 46	12 65
11	TOTAL VALUE PRODUCED		\$	2177.46	13.65
	FEED FED: QUANTITY & COST	LBS/COW		102.00	1 15
13	CORN	4577		183.88	1.15
14	SMALL GRAIN	313		16.33	.10
15	COMPLETE RATION	1788		140.33	.88
16	PROT., SALT, MIN.	1556		257.88	1.62
17	TOTAL GRAIN MIX	8234		598.42	3.75
18	LEGUME HAY	6125		229.09	1.44
19	OTHER DRY HAY & ROUGHAGE	1864		51.06	.32
20	HAYLAGE	2575		45.54	.29
21	SILAGE	14413		126.33	.79
22	PASTURE			13.61	.09
23	TOTAL FEED COSTS		\$	1064.05	6.68
24	RETURN OVER FEED COST		\$	1113.41	6.97
	OTHER DIRECT COSTS				
26	VETERINARY		\$	44.77	.28
27	BREEDING			23.65	.15
28	MISCELLANEOUS			104.17	.65
29	CUSTOM WORK & LEASE EXPENSE			59.13	.37
30	SPECIAL HIRED LABOR			6.33	.04
31	ASSIGNED INTEREST			5.31	.03
32	TOTAL OTHER DIRECT COSTS			243.36	1.52
33	TOTAL DIRECT COSTS INCL FEED		\$	1307.41	8.20
34	RETURN OVER ALL DIRECT COSTS		\$	870.05	5.45
54	ALLOCATED COSTS		Ŧ		
37	ACT INT PD LESS INT ASSIGNED-L31		\$	113.03	.71
38	GENERAL HIRED LABOR		Ŧ	108.01	.68
	UTILITIES & MISCELLANEOUS			112.47	.70
39	POWER & MACHINERY			71.49	
40	LIVESTOCK EQUIPMENT			71.08	.45
41				82.84	.52
42	BUILDINGS & FENCES			558.92	3.51
43	TOTAL ALLOCATED COSTS			1866.33	
44	TOTAL ACTUAL LISTED COSTS			311.13	1.94
45	RETURN OVER ACTUAL LISTED COSTS			1883.20	11.80
46	TOTAL COSTS ADJ TO 78 MIN INT.			1003.20	11.00
47	RETURN OVER LISTED & 7% OPPORTUNITY		~	204 20	1.85
48	INTEREST COST		\$	294.26	
	**************************************	FORMATION ***	****	**********	~ ^ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
50	RETURN/\$100 FEED FED		\$	205	
51	POUNDS OF MILK/POUND GRAIN MIX			11 60	
52	AVERAGE PRICE/CWT. SOLD		\$	11.60	
53	DAIRY COW TURNOVER PERCENTAGE			41.49	
54	APPROXIMATE DRY MATTER CONSUMED/COW/			55	
55	PERCENT CALF DEATH LOSS			12.18	
56	TOTAL INVESTMENT/COW		\$	5747.93	
57	TOTAL DEBT/COW		\$	3293.57	
	- 43 -				

TAB	LE 14 - ALL DAIRY + DUAL PURPOSE	CATTLE -19	988		· · · · · · · · · · · · · · · · · · ·	
				HIGH		LOW
				45		45
				FARMS		FARMS
1	AVERAGE NUMBER OF COWS			53.3		39.2
-				PER COW		PER COW
2	POUNDS OF MILK			18326.79		12653.06
	POUNDS OF BUTTERFAT			643.25		460.27
3				3.51		3.64
4	PERCENT OF BUTTERFAT IN MILK			3.31		0.01
5	VALUE OF PRODUCE		~	2094.43		1419.46
6	DAIRY PRODUCTS SOLD		\$			7.50
7	DAIRY PRODUCTS USED IN HOME			10.75		
8	MILK FED TO LIVESTOCK			13.21		10.94
9	NET INCREASE IN VALUE:			471.52		128.98
10_	OTHER MISCELLANEOUS INCOME			.02		
$\frac{10}{11}$	TOTAL VALUE PRODUCED		\$	2589.93		1566.88
ΤT	FEED FED: QUANTITY & COST	LBS/COW	•		LBS/COW	
10		5555	\$	224.17	3149	123.27
13	CORN	242	Ŷ	12.55	305	15.36
14	SMALL GRAIN			92.05	2673	218.67
15	COMPLETE RATION	1087				145.36
16	PROT., SALT, MIN.	1894		307.77	822	
17	TOTAL GRAIN MIX	8778		636.54	6949	502.66
18	LEGUME HAY	5816		225.59	7473	242.68
19	OTHER DRY HAY & ROUGHAGE	1557		41.71	2125	56.99
20	HAYLAGE	2394		46.42	1596	41.17
		15154		136.06	10879	90.54
21	SILAGE	15151		13.23		21.07
22	PASTURE COCTC		\$	1099.55		955.11
23	TOTAL FEED COSTS			1490.38		611.77
24	RETURN OVER FEED COST		\$	1490.30		011.77
	OTHER DIRECT COSTS					24 05
26	VETERINARY		\$	56.53		34.95
27	BREEDING			27.97		15.97
28	MISCELLANEOUS			132.96		78.39
29	CUSTOM WORK & LEASE EXPENSE			57.26		50.03
30	SPECIAL HIRED LABOR			5.50		1.51
31	ASSIGNED INTEREST			6.47		3.49
$\frac{31}{32}$	TOTAL OTHER DIRECT COSTS		\$			184.34
	TOTAL DIRECT COSTS INCL F		Ş	1386.24		1139.45
33			Ş	1203.69		427.43
34	RETURN OVER ALL DIRECT CO	515	Ş	1203.09		127.15
	ALLOCATED COSTS		~	111 07		113.21
37	ACT INT PD LESS INT ASSIGNED-1	L31	\$	111.97		
38	GENERAL HIRED LABOR			111.52		81.28
39	UTILITIES & MISCELLANEOUS			120.73		101.73
40	POWER & MACHINERY			73.40		72.49
41	LIVESTOCK EQUIPMENT			91.85		57.15
42	BUILDINGS & FENCES			95.36		70.28
	TOTAL ALLOCATED COSTS		\$	611.83		496.14
43	TOTAL ACTUAL LISTED COSTS		Ŷ	1998.07		1635.59
<u>44</u>				591.86	· · · · · · · · · · · · · · · · · · ·	-68.71
45	RETURN OVER ACTUAL LISTED	00515				1924.36
46	TOTAL COSTS ADJ TO 7% MIN			2004.17		1924.30
47	RETURN OVER LISTED & 7% O	PPORTUNITY				257 40
48	INTEREST COST		\$	585.76		-357.48
***	**************************************	AGEMENT INF	ORMA'	TION *****	*********	*******
50	RETURN/\$100 FEED FED		\$	236		164
51	POUNDS OF MILK/POUND GRAIN MI	x	•			
	AVERAGE PRICE/CWT. SOLD		\$	11.54		11.35
52			Ŷ	48.78		40.82
53	DAIRY COW TURNOVER PERCENTAGE					51
54	APPROXIMATE DRY MATTER CONSUM	ED/COW/		10 07		13.97
55	PERCENT CALF DEATH LOSS			10.97		
56	TOTAL INVESTMENT/COW		\$	6338.87		4961.20
57	TOTAL DEBT/COW		\$	2915.87		3930.74
<u></u>		- 44 -				

TABLE 14 - ALL DAIRY + DUAL PURPOSE CATTLE - 1988

		AVERAGE	OF	22 FARMS
	NTEDACE NUMBED OF DEFE CONC			62.9
1 2	AVERAGE NUMBER OF BEEF COWS AVERAGE NUMBER OF OTHER BEEF/BULLS			61.4
3	POUNDS OF BEEF PRODUCED			PER COW
4	NET INCREASE IN VALUE: BEEF		\$	519.49
<u>5</u>	OTHER MISCELLANEOUS INCOME		•	
6	TOTAL VALUE PRODUCED		\$	519.49
Ũ	FEED FED: QUANTITY & COST LBS/CC	W	-	
8	GRAIN 660.		\$	31.83
9	PROT., SALT, MIN. 81.	5	•	11.76
10	LEGUME HAY 5529.	7		118.60
11	OTHER DRY HAY AND ROUGHAGE 2626.			46.76
12	SILAGE 2201.			17.11
13	HAYLAGE			
14	PASTURE			28.66
15	TOTAL FEED COSTS		\$	254.72
16	RETURN OVER FEED COSTS		\$	264.77
	OTHER DIRECT COSTS			
18	VETERINARY		\$	11.00
19	BREEDING			4.12
20	MISCELLANEOUS			6.87
21	CUSTOM WORK & LEASE EXPENSE			7.73
22	SPECIAL HIRED LABOR			
23	ASSIGNED INTEREST			1.51
24	TOTAL OTHER DIRECT COSTS			31.23
25	TOTAL DIRECT COSTS INCL FEED		\$	285.95
26	RETURN OVER ALL DIRECT COSTS			233.54
-	ALLOCATED COSTS			
28	ACTUAL INTEREST PAID LESS			
29	INTEREST ASSIGNED-L23		\$	12.11
30	GENERAL HIRED LABOR			32.05
31	UTILITIES & MISCELLANEOUS			15.81
32	POWER & MACHINERY PCAF .9	9		10.12
33	LIVESTOCK EQUIPMENT ECAF 1.1	7		11.33
34	BUILDINGS & FENCES BCAF 1.1	7		12.58
35	TOTAL ALLOCATED COSTS			93.80
36	TOTAL ACTUAL LISTED COSTS		\$	<u>379.75</u>
37	RETURN OVER ACTUAL LISTED COSTS			139.74
38	TOTAL COSTS ADJ TO 7% MIN INT.			445.62
39	RETURN OVER LISTED & 7% OPPORTUNITY			
40	INTEREST COST		\$	73.87
	**************************************	ION *****		
42	RETURN/\$100 FEED FED		\$	203.94
43	\$/CWT BREEDING ANIMALS SOLD		\$	49.74
44	AVE WEIGHT OF ANIMALS SOLD			708.91
45	NUMBER OF HEAD BOUGHT			3
46	PERCENT DEATH LOSS			2.92
47	PRICE/CWT CALF SOLD/TRANSFER		\$	75.26
48	AVE WEIGHT CALF SOLD/TRANSFER			623
19	PERCENT CALF CROP BORN			107.14
50	PERCENT CALF CROP WEANED			101.79
51	PERCENT CALF DEATH LOSS			6.67
52	CULL INCOME/BREEDING COW		\$	82.11
53	HAY EQUIVALENT/COW			4.44
54	CORN EQUIVALENT/COW			11.80

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TAB	LE 15A – BEEF BREEDING CATTLE – 1988				
<u></u>			HIGH		LOW
			11		11
			FARMS		FARMS
1	AVERAGE NUMBER OF BEEF COWS		66.0		59.7
2	AVERAGE NUMBER OF OTHER BEEF/BULLS		67.7		55.1
			PER COW		PER COW
3	POUNDS OF BEEF PRODUCED		51487		42730
4	NET INCREASE IN VALUE: BEEF	5	608.52		421.94
<u>5</u>	OTHER MISCELLANEOUS INCOME		600 50		401 04
6	TOTAL VALUE PRODUCED		608.52		421.94
	FEED FED: QUANTITY & COST LBS/CO			LBS/COW	39.36
8	GRAIN 531.		\$ 25.05	804.7 88.6	14.37
9	PROT., SALT, MIN. 75.3		9.42 153.82	3360.7	
10	LEGUME HAY 7228.		24.83	3968.3	71.06
11	OTHER DRY HAY AND ROUGHAGE 1416.0 SILAGE 2405.0		17.82	1979.6	16.33
12		0	17.02	1777.0	10.55
13	HAYLAGE		31.03		26.10
14	PASTURE		\$ 261.97	····	247.09
15	TOTAL FEED COSTS		346.55		174.85
16	RETURN OVER FEED COSTS	•	,		171100
10	OTHER DIRECT_COSTS VETERINARY	ç	\$ 11.76		10.18
18 19	BREEDING		6.32		1.71
20	MISCELLANEOUS		5.20		8.71
20 21	CUSTOM WORK & LEASE EXPENSE		6.76		8.81
21	SPECIAL HIRED LABOR		0.1.0		
22	ASSIGNED INTEREST		2.86		,
<u>23</u> 24	TOTAL OTHER DIRECT COSTS		32.90		29.41
24	TOTAL DIRECT COSTS INCL FEED		294.87		276.50
26	RETURN OVER ALL DIRECT COSTS		\$ 313.65		145.44
20	ALLOCATED COSTS				
28	ACTUAL INTEREST PAID LESS				
29	INTEREST ASSIGNED-L23	2	\$ 16.33		10.04
30	GENERAL HIRED LABOR		10.68		49.52
31	UTILITIES & MISCELLANEOUS		12.46		18.73
32	POWER & MACHINERY PCAF 1.00		12.59		7.41
33	LIVESTOCK EQUIPMENT ECAF 1.00		10.21		12.17
34	BUILDINGS & FENCES BCAF 1.00		15.52		9.34
35	TOTAL ALLOCATED COSTS		77.79		107.21
36	TOTAL ACTUAL LISTED COSTS		\$ 372.66		383.71
37	RETURN OVER ACTUAL LISTED COSTS		235.86		38.23
					450.01
38	TOTAL COSTS ADJ TO 7% MIN INT.		433.64		452.21
39	RETURN OVER LISTED & 7% OPPORTUNITY				20.27
40	INTEREST COST		\$ 174.88		-30.27
	**************************************	ATION	**********	********	170 77
42	RETURN/\$100 FEED FED		\$ 232.28		170.77
43	\$/CWT BREEDING ANIMALS SOLD		\$ 48.04		51.09 662.93
44	AVE WEIGHT OF ANIMALS SOLD		756.62		5 5
45	NUMBER OF HEAD BOUGHT		1		1.95
46	PERCENT DEATH LOSS		3.72		70.03
47	PRICE/CWT CALF SOLD/TRANSFER		\$ 79.22 725		526
48	AVE WEIGHT CALF SOLD/TRANSFER		117.54		98.18
49	PERCENT CALF CROP BORN		117.54		92.73
)	PERCENT CALF CROP WEANED		8.96		5.56
51	PERCENT CALF DEATH LOSS		\$ 67.05		98.91
52	CULL INCOME/BREEDING COW		4.72		4.14
53	HAY EQUIVALENT/COW		9.50		14.37
54	CORN EQUIVALENT/COW		00		

1	AVERAGE NUMBER OF ANIMALS		42.9	
2	POUNDS OF ANIMAL PRODUCED		30846	
			<u>PER CWT</u>	<u>PER HEAD</u>
3	NET INCREASE IN VALUE: ANIMALS	\$	63.58	457.13
4	OTHER MISCELLANEOUS INCOME			
5	TOTAL VALUE PRODUCED	\$	63.58	457.13
	FEED FED: QUANTITY & COST LBS/CWT			
7	CORN 515.6	\$		
8	SMALL GRAINS 25.7		1.19	8.55
9	COMPLETE RATIONS 41.7		3.01	21.68
10	PROT., SALT, MIN. 47.8		7.33	52.73
11	LEGUME HAY 185.5		4.92	35.36
12	OTHER DRY HAY & ROUGHAGE 66.3		1.55	11.17
13	SILAGE 153.1		1.48	10.63
14	HAYLAGE 44.1		.95	6.81
15	PASTURE		.22	1.59
16	TOTAL FEED COST	\$	42.04	
17	RETURN OVER FEED COSTS	\$	21.54	154.79
	OTHER DIRECT COSTS			0.05
19	VETERINARY	\$	1.24	
20	MISCELLANEOUS		.41	2.96
21	CUSTOM WORK & LEASE EXPENSE		1.84	13.24
22	SPECIAL HIRED LABOR		20	0 75
<u>23</u>	ASSIGNED INTEREST		.38	
24	TOTAL OTHER DIRECT COSTS		3.87	
25	TOTAL DIRECT COSTS INCL FEED	\$	45.91	
26	RETURN OVER ALL DIRECT COSTS	\$	17.67	126.89
	ALLOCATED COSTS			
28	ACTUAL INTEREST PAID LESS			10.00
29	INTEREST ASSIGNED-L23	\$	1.68	
30	GENERAL HIRED LABOR		1.33	
31	UTILITIES & MISCELLANEOUS		1.21	8.69
32	POWER & MACHINERY PCAF 1.00		1.03	7.41
33	LIVESTOCK EQUIPMENT ECAF 1.00		1.73	
<u>34</u>	BUILDINGS & FENCES BCAF 1.00		1.71	12.28
35	TOTAL ALLOCATED COSTS	\$	8.69	62.46
36	TOTAL ACTUAL LISTED COSTS		54.60	392.70
37	RETURN OVER ACTUAL LISTED COSTS		8.98	64.43
				100 10
38	TOTAL COSTS ADJ TO 7% MIN INT		59.59	428.46
39	RETURN OVER LISTED & 7% OPPORTUNITY			00.67
40	INTEREST COST	\$	3.99	28.67
***	************* SUPPLEMENTARY MANAGEMENT INFORMATION	****	********	*******
42	RETURN/\$100 FEED FED	\$	151.20	
43	PRICE/CWT SOLD	\$	66.20	
44	AVERAGE WEIGHT ALL CATTLE SOLD		1055	
45	PRICE/CWT BOUGHT	\$	85.08	
46	AVERAGE WEIGHT CATTLE BOUGHT			
47	NUMBER OF HEAD BOUGHT		33	
48	PERCENT DEATH LOSS		3.09	
49	EFFECTIVE DAILY GAIN-POUND/HEAD/DAY		1.97	
50	PRICE TO COVER PURCH PRICE + LISTED	\$	80.65	
51	HAY EQUIVALENT/CWT		.16	
52	CORN EQUIVALENT/CWT		9.67	

MONEY SPENT BY THE AVERAGE NORTHEAST AND EAST CENTRAL MINNESOTA FARMER

SUMMARY BY YEARS

	1985	1986	1987	1988
TO OTHER FARMERS FOR LIVESTOCK & CUSTOM WORK	6431	6755	7398	8636
TO THE AGRI-BUSINESS COMMUNITY FOR FERTILIZER, CHEMICALS, FEED, SEEDS, REPAIRS, FUEL & SUPP.	43700	43732	48090	56364
FOR EXTRA LABOR	2996	3314	4204	4614
SUPPORT OF LOCAL GOVT. (PROPERTY & OTHER TAX)	2171	1798	1916	2210
FOR UTILITIES (ELECTRICITY & TELEPHONE)	3791	3061	3855	4165
FOR USE OF OTHER PEOPLE'S CAPITAL (INTEREST & CASH RENT)	17928	15161	14173	14095
FARM EQUIPMENT/AUTO DEALERS (POWER, MACH, VEH.)	6925	7508	7275	8757
BUILDINGS AND LAND	2721	4547	5278	4960
FOOD, CLOTHING, HOUSE, FUEL, FURNITURE, PERSONAL CARE, PERSONAL SHARE-REPAIRS	7275	7321	8363	9517
CONTRIBUTIONS - CHURCH AND OTHER	642	676	581	643
MEDICAL CARE & HEALTH INSURANCE	1816	2386	2194	2537
EDUCATION, RECREATION, & GIFTS	2403	1417	1755	1988
LIFE INSURANCE & OTHER INVESTMENTS	1069	904	752	1206
TOTAL MONEY SPENT BY ONE AVERAGE FARMER WITHIN THIS COMMUNITY & SERVICE AREA	99868	98580	105834	119692

Source: Table 4 and 6B of the Annual Northeast and East Central Farm Business Management Education Report.

	1984	1985	1986	1987	1988
Tarm Receipts					
Dairy Cows	5974	4524	5190	5910	8078
Dairy Products	61193	61988	64497	66254	72085
Other Dairy	4641	4692	4013	6042	6177
Beef Cattle	3083	3066	4825	4192	5131
Hogs	4079	4960	4167	6371	5813
Other Livestock Income	38	580	1000	866	738
Corn	3720	2675	3672	2164	2017
Small Grains	1133	842	895	547	751
Other Crops	1727	1466	1724	1220	1756
Government Payments	232	610	2652	6424	8636
Sale: Crop Purch. for Resale	410	449	403	1250	1292
Capital Assets Sold/Lease Income	636	1357	960	1149	719
Other Farm Income	2969	2084	3749	3454	3447
1. Total Farm Sales	92820	92697	97343	105842	116642
2. Increase in Farm Capital				4521	2315
3. Family Living from the Farm	767	6464	729	692	815
4. Total Farm Receipts	93587	93343	98072	111055	119772
arm Expense					1 - 00
Dairy Cows Bought	1243	918	1210	1771	1709
Other Dairy Bought	790	987	695	849	1082
Beef Cattle Bought (incl. Feeders)	410	897	1128	728	1118
Hogs Bought	221	187	291	369	546
Other Livestock Bought	2	213	191	32	170
Miscellaneous Livestock Expense	5475	5386	6290	7077	7039
Purch: crops Purch. for Resale	230	405	416	1429	160
Feed Bought	14729	16190	17669	19656	26478
Fertilizer and Chemicals	6488	4685	5367	5208	6129
Other Crop Exp. (incl. Irrig Oper)	2827	3155	2740	2966	3203
Custom Work Enterprise/Work Hired	3303	3263	3274	3674	4089
Gas-Oil-Grease Bought (Farm Share)	3979	3880	2952	2994	3107
All Farm Repairs	6416	6468	6501	6869	7319
Wages of Hired Labor	2836	3007	3325	4213	4650
Real Estate and Property Taxes	1169	1189	1076	1067	1048
Utilities & General Farm Expense	4976	4868	4941	5128	5620
5. Total Cash Operating Exp.	55131	57497	58069	64029	74468
6. Capital Purchases	10773	7980	10016	10384	12331
7. Total Farm Purchases	66116	65478	68085	74413	86799
8. Decrease in Farm Capital	4520	5556	4721		
9. Interest on Farm Capital	18607	17483	16571	16227	17089
10. Unpaid Family Labor	1178	1005	976	992	884
	955	798	385	795	183
11. Partners Labor/Board Furn.					
12. Total Farm Expense	91376	90320	90738	92427	104955

CASH SUMMARY OF THE FARM BUSINESS (WHOLE FARM) 1984 - 1988

	1984	1985	1986	<u>1987</u>	<u>1988</u>
<u>General Information:</u> Farm Size: Tillable Acres (Tbl. 1) Total Farm Capital: Dec. 31 (Tbl. 1)	255.9 263556	266.4 246975	257.5 234363	244.0 234074	245.6 245428
Total Returns and Net Inc. (Tbl. 3) % of Returns from Livestock % of Returns from Crops % of Returns from Misc. Income	538 438 48	57% 38% 5%		318	63% 22% 15%
Total Family Living Expense (Tbl. 4) Family Living Expense/Month (Tbl. 4)	16513 1376	16615 1385	16760 1397	17463 1455	21190 1766
Total Equity: Dec. 31 (Tbl. 5) Annual Change in Equity (Tb. 5) Net Capital Ratio: Dec. 31 (Tbl. 5)	122844 -6915 1.69	-8083	111697 -975 1.69	118889 11744 1.76	120817 7374 1.76
Return to Oper. Lab. & Mgmt. (Tbl. 6B) Return to Cap. & Fam. Labor (Tbl. 6B)	658 4640	1022 3824	5173 9903	16717 22156	13225 19416
<u>Crop Efficiencies (Owned Acres)</u> Yield Per Acre Barley (Bu.) Oats (Bu.) Corn (Bu.) Alfalfa (Ton) Legume-Grass Hay (Ton) Corn Silage (Ton)	44.3 54.5 72.3 3.6 2.2 9.4	39.3 52.9 82.1 3.0 2.0 10.5	36.0 31.4 91.8 3.1 2.3 12.5	27.3 37.8 98.6 2.5 1.9 11.1	21.9 17.1 43.2 1.9 1.3 5.5
Return over listed costs (per ac.) Barley Oats Corn Alfalfa Hay Mixed Legume Hay Corn Silage	13.85 15.94 7.15 136.46 39.73 -1.23	31.45 12.01	29.92 20.42	19.7 54.26	-33.04 -47.64 -43.33 27.44 -5.14 -77.85
Tractor/Crop Machinery Exp./Acre	52.07	40.04	48.24	47.44	44.56
<u>Livestock Efficiencies:</u> Dairy - Average No. of Cows Milk Prod/Cow (lbs.) Return over Feed/Cow Ret. over listed costs/Cow Return to \$100 Feed Fed/Cow	13774 785.15	14161 830.75 447.99	14539 884.37 489.77		16062 943.63
Swine (Weaning Pig Prod) No. of Litters Farrowed Return over Feed/Litter Ret. over listed costs/Litter Return to \$100 Feed Fed/Litter		92 184.45 102.67 219.88		165.39	93 100.91 -27.09 152.37
Return over listed costs/Cow	50.13 -15.10	65.94	124.61 56.21	233.00	264.77

A SUMMARY OF MISCELLANEOUS INFORMATION BY YEARS - 1988

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 result improving family living. Sitting down as an operator or husband and wife and putting these goals in writing is done in one of the early classes in the Farm Business 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.

Sitting 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 inflexible, they may be a liability to progress rather than an asset.

Below 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.

FARM 1	FAMILY GOAL STATEMENT	This Year	Later
RANK	FOR A PROFITABLE FARM BUSINESS:		
6 1	-Buy a new tractor to replace old John Deere A -Raise the production of the dairy herd by 500 lbs. of milk per cow	Х	Х
8 2	-Raise the production of the dairy herd from 14000 lbs. to 18000 lbs. per cow in 8 years -Increase hay yield by 1 ton per acre in 3 years	Х	Х
	FOR SATISFYING LIVING:		
5 10	-Install kitchen cabinets -Build new family room on west side of house	X	Х
11 12	-Paint exterior of home -Landscape yard	Х	Х
	FOR DEVELOPMENT OF FAMILY MEMBERS:		
9	-Provide opportunity for son, Dave, to attend college in two years		Х
7	-Provide money for Dad to attend the National Convention for a week this winter	Х	
4	-Provide time and money for Dan to attend camp this summer	Х	
	FOR LONG-TERM FINANCIAL SECURITY:		
3	-Improve net worth by at least 5% per year	Х	