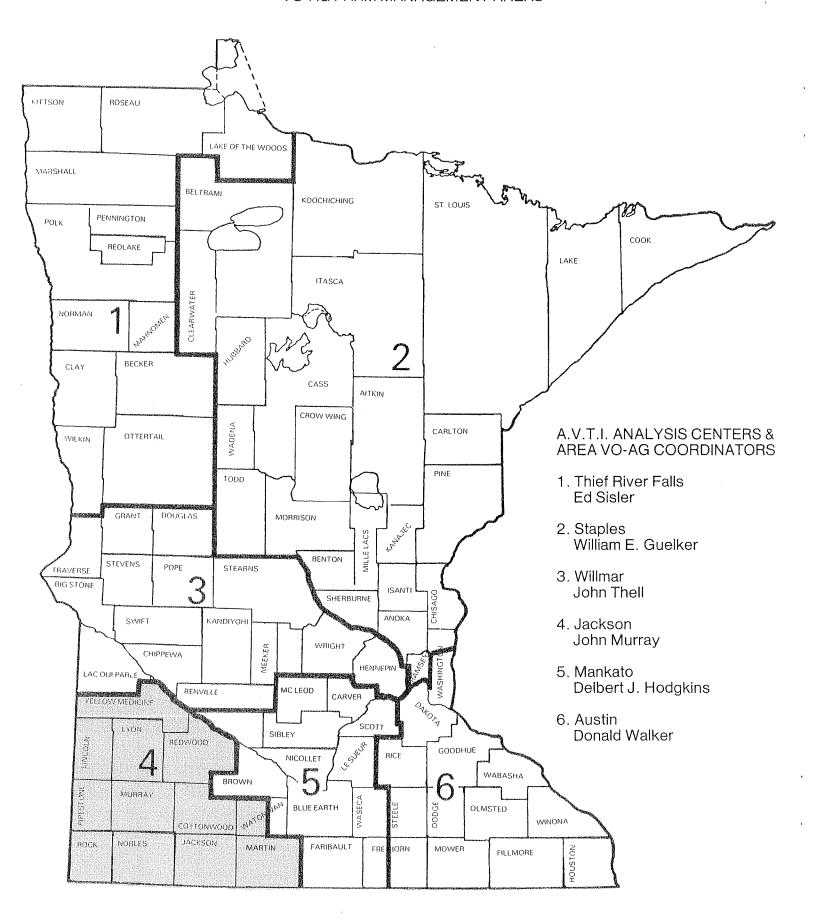


#### **VO-AG FARM MANAGEMENT AREAS**



# 1979 ANNUAL VOCATIONAL AGRICULTURE FARM BUSINESS MANAGEMENT EDUCATION PROGRAM REPORT OF SOUTHWESTERN MINNESOTA

# JOHN MURRAY AREA VO-AG PROGRAM COORDINATOR

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### COLOR CODE EXPLANATION

This farm management summary is color coded for your convenience. Each color refers to a specific area.

WHITE	INTRODUCTION. MISCELLANEOUS INFORMATION, pages 39 thru 44 includes average prices used for home grown foods and an explanation of animal and work units.
GOLDENROD	WHOLE FARM tables include both the landlord and the operator's inventory income and expenses.
BLUE	OPERATOR'S tables include inventories, income and expenses for the operator only. All landlord information is excluded from these tables.
YELLOW	CROP pages include the information for all crops grown on whole farm basis.
PINK	LIVESTOCK includes the information for all livestock purchased and listed on a whole farm basis.

#### INTRODUCTION

The Farm Business Management Program is a public school program designed to bring the benefits of instruction in business management to farm families.

The main purpose of the program is to help farmers achieve their farm business and family goals through improved management, organization, and operational efficiency of their farms.

The Farm Business Management Program, a part of the total Vocational Agriculture Education Program in Minnesota, was started in 1952 as a cooperative program between the University of Minnesota Department of Agricultural Education and Agricultural Economics, the State Department of Education Vocational Division, and the Public School Vocational Agriculture Departments. Three Area Vocational Technical Institutes were designated as Area Analysis Centers in 1955 and established as the coordinating agency for the program in the area assigned. Six such areas exist in Minnesota at the present time. The map inside the front cover indicates the location of these centers.

Instructional programs in Farm Business Management have the following characteristics:

- 1. There are specific enrollees in each class
- 2. Specific units of instruction are part of each course.
- 3. The courses are offered in a definite sequence.
- 4. There is continuity between courses leading toward the accomplishment of farm and family goals.
- 5. Individual on-the-farm instruction is offered each class member.

Farm record analysis is a vital part of the program. Records kept by the farm family are analyzed each year to determine the strengths and weaknesses of the farm business. This annual report is the tenth assigned to the Jackson Center. The analysis of the records and preparation for the Jackson Area is done under the direction of the Area Vo-Ag Program Coordinator at the Jackson Area Vocational Technical Institute. Directing in a supervisory capacity is Mr. Del Schweiger, Director, Jackson A.V.T.I; Mr.Michael Kuntz, Superintendent of Schools; Mr.Odell Barduson and Mr.David McCullough of State Department of Education; Dr.Edgar Persons, Dr. R.Paul Marvin of University of Minnesota Agricultural Education Department. Data processing was done by Specialized Data Systems, Inc., Madison, Wisconsin.

## Source of Farm Record Analyses for 1979 Farm Business Summaries for the Jackson Area

## Regular Farm Management Education Program

Class Location	Instructor	Records Processed
Brewster	Gerald McConkey *	15
Canby	Maynard Hughes	24
Fulda	Mel Faltinson *	17
Hills-Beaver Creek	Wendell Erickson *	17
	Tim Sonnek *	
Jackson	Charles Asman	32
- 1 C	Doug O'Neil	34
Lakefield	Harry Gerdes	40
Luverne	James Ouverson *	25
Marshall	Dennis Schroeder *	4
Pipestone	Heimer Swanson	50
•	Marlin Berg *	5
Slayton	George Crompton	36
Storden-Jeffers	Richard Spitzner *	12
St.James	Cliff Vreize *	18
Tracy	Dean Hanson *	3
Truman	Vern Quade	19
Tyler H.V.C.C.	Paul Bartz *	3
Wabasso	Adrian Crommert	25
Worthington	Wayne Flynn	50
* part-time farm business	•	50
Vetera	ns Farm Training Program	
Canby	Larry Oraskovich	12
Edgerton	Robert Vanorny	24
Jackson	Jim Lilleberg	22
Luverne	James Ouverson	12
St.James	Lee Todnem	
Tracy		14
Tyler H.V.C.C.	Jack Davis	11
Westbrook	Paul Bartz Keith Hirsch	12
Worthington		13
MOT CITTING CON	Gary Lonneman	22
	Others	
Jackson A.V.T.I.	Farm Operations Management	1 5
Pipestone A.V.T.I.	Apprentice Farming	15
	Others	4 11
	Totals	601

Table 1 - Summary of Farm Inventories\* - 1979

Ite			Averages o	of 330 Farms	
1. 2. 3. 4. 5. 6. 7.	Size of farm - total acres - tillable acres Work units - crops - livestock - other Total size of business in work units Number of workers Farm capital investment per worker		413.7 363.9 179.67 203.21 12.92 395.80 1.62 366457		
			Jan.1	Dec.31	
9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	Productive livestock Dairy cows Other dairy cattle Beef breeding cattle Beef feeder cattle Hogs Sheep (including feeders) & goats Poultry - all types Other livestock Total productive livestock Crop, seed & feed	\$	3686 2669 6329 22245 18800 418 51 317 54515	4782 3658 7398 31132 15360 735 21 324 63409 *	
20. 21. 22. 23. 24. 25. 26.	Power, machinery & equipment Auto & truck (farm share) Power & machinery Irrigation equipment Custom work equipment Livestock equipment Total power, machinery & equipment	\$	4213 31639 128 5247 41227	5054 37292 166 6839 49350 *	
27. 28.	Land Buildings-fences-etc.		330742 39997	338004 50743	
29.	Total farm capital	\$	522277	56 <b>3</b> 653 <b>*</b>	Section 1995
30.	Increase or decrease in total farm cap	ital		\$ 41377 <b>*</b>	

<sup>\*</sup>Table 1 on this page lists the categories of farm capital for the averages of 330 farms. Pages 2 and 3 list the same information for the 66 most profitable and 66 least profitable farm businesses. Table 1 includes the landlord's share of the investment for rented farms.

\*Other measures of farm size listed in lines 1 through 8 are helpful in describing the farms included in this farm management report.

Size as measured by acres for individual farms varied from 80 to over 1,200 acres: however, the vast majority of the farms fell in the range of 400 to 640 acres.

Table 1 - Summary of Farm Inventories\* - 1979

Ite		66 High Profit Farms		_
1	Sign of Form Labor			
1. 2. 3.	Size of farm - total acres - tillable acres Work units - crops	534.9 448.3 223.84		
4. 5.	- livestock - other	325.69 13.03		
6. 7.	Total size of business in work units Number of workers	562.56 1.78		
8.	Farm capital investment per worker \$	343841		
		Jan.1	Dec.31	
9.	Productive livestock			
10. 11.	Dairy cows Other dairy cattle	8813 6181	12583	
12.	Beef breeding cattle	14396	9491 15726	
13.	Beef feeder cattle	41097	55426	
14.	Hogs	15613	13131	
15. 16.	Sheep (including feeders) & goats	179	558	
17.	Poultry - all types Other livestock	5 156	11	
18.	Total productive livestock \$	156 86439	185 107112 <b>*</b>	
19.	Crop, seed & feed	66079	86561	
20. 21.	Power, machinery & equipment			
22.	Auto & truck (farm share) Power & machinery	4543 36522	5718 45702	
23.	Irrigation equipment	30344	45392	
24.	Custom work equipment	15	279	
25.	Livestock equipment	5980	8156	
26.	Total power, machinery & equipment	47060	59545 <b>*</b>	
27.	Land	308313	316107	
28.	Buildings - fences - etc.	46646	58433	
29.	Total farm capital \$	554537	627758 <b>*</b>	
30.	Increase or decrease in total farm capital		\$ 73221	

Machinery, equipment, and building values reflect cost less depreciation.

Land is valued at a conservative market value.

Market livestock, crops for sale or feed are valued at market price at time of inventory was taken. Purchased and raised breeding livestock is valued at time put into useful production and carry some value for their useful life.

Table 1 - Summary of Farm Inventories\* - 1979

Ite	ems		66 Low Profit Far	rms	
1. 2. 3. 4. 5. 6. 7.	Size of farm - total acres - tillable acres Work units - crops - livestock - other Total size of business in work units Number of workers Farm capital investment per worker	\$	447.7 411.6 203.87 212.49 10.57 426.93 1.58 490960		
9. 10. 11. 12. 13. 14. 15. 16. 17.	Productive livestock Dairy cows Other dairy cattle Beef breeding cattle Beef feeder cattle Hogs Sheep (including feeders) & goats Poultry - all types Other livestock Total productive livestock	<b>\$</b>	Jan.1  184 21 2515 26942 34120 670  320 64773	Dec.31  446 95 2405 40154 24839 790  316 69044 **	
19. 20. 21. 22. 23. 24. 25. 26.	Crop, seed & feed  Power, machinery & equipment Auto & truck (farm share) Power & machinery Irrigation equipment Custom work equipment Livestock equipment Total power, machinery & equipment	\$	78700 5681 37907 7820 51408	78317 6446 42221 9194 57860 *	
27. 28.	Land Buildings - fences - etc.		503013 53599	515589 70039	
<ul><li>29.</li><li>30.</li></ul>	Total farm capital Increase or decrease in total farm capital	\$	751494	790849 <b>*</b> \$ 39355 <b>*</b>	

Work units provide a measure of the work load as an indication of size. Some clue to the farm organization is indicated by the distribution of work between crops and livestock.

The number of workers listed on line 7 includes the operator(s) hired labor, and unpaid family labor as well as the labor portion of custom work hired.

Table 2A - Whole Farm Summary of Cash Receipts - 1979

Items		Average 330	High 66	Low 66
1. Sale of livestock & livestock products				n e
2. Dairy cows	g	963	2650	10
3. Dairy products		7187	20064	334
4. Other dairy cattle		1302	2198	334
5. Beef breeding cattle		2108	4814	673
6. Beef feeder cattle		40936	73439	50898
7. Hogs complete & mixed		28283	22362	51146
8. Hogs finishing		9585	14615	11833
9. Hogs producing weaning pigs		1678	4089	1913
Sheep, goats & wool, farm flock		273	61	65
ւ. Sheep & wool, feeder lambs		167	01	684
Chickens (including hens & broilers)		36	46	VUT
5. Turkeys				
Eggs		142	229	200
Other productive livestock & products		70	 73	70
Other miscellaneous livestock income		30	79	73
Total sales of productive livestock	\$	92760 *		· 117706 *
. Sale of crops			7	11,700
. Wheat				
		338	435	111
<ul><li>Other small grains</li><li>Corn</li></ul>		1116	1883	496
Soybeans	10	18096	17189	21250
A. Sunflowers		27109	31266	31928
Other row crops		331	481	406
Legumes & other forage		204	539	42
Grass seed		264	245	96
Fruits & nuts				
Vegetable roadside market & specialty				
Nursery, timber & other		146		
Set aside acres - government payments		142	173	152
Government Payments		235	457	203
C19P3	\$	47834 *	52668 *	54683 *
Capital assets sold		5170	4762	3653
Gas tax refund		121	157	129
Income from work off the farm		1059	1301	847
Custom work enterprise income		42	134	781
Patronage refunds Miscellaneous farm income		949	1273	950
The second of th		1591	1832	1923
Total farm sales	\$	149526 *	206846 *	179891 *
Increase in farm capital		41376	73221	
Family living from the farm		426	75241	39356
				295
Total farm receipts (37)+(38)+(39)	\$	191328 * :	72 N Q 7 E 🔸	2105/0 4

<sup>\*</sup>Operators labor and management earnings, page 5, line 46, represent the return to the operator after all expenses are deducted. The calculation is determined by subtracting table 2B line 46 from line 40 table 2A.

Table 2B - Whole Farm Summary of Cash Expense - 1979

Items	Average 330	High 66	Low 66
1. Purchase of livestock			
2. Dairy cow	\$ 540	841	267
3. Other dairy cattle	Ψ 540 787	2418	
4. Beef breeding cattle	1197	1931	the state of the second
5. Beef feeder cattle	31047	51710	
6. Hogs complete & mixed	2265	775	
7. Hogs finishing	3892	6490	
8. Hogs producing weaning pigs	131	76	
9. Sheep & goats	62	262	
J. Sheep, feeder lambs	319	402	651
l. Chickens (including hens & broilers)	12	33	051
4. Turkeys		- 55	
3. Other productive livestock	20		17
. Miscellaneous livestock expense	2710	4039	3442
o. Feed bought	19838	22977	
5. Fertilizer	6377	7572	7957
. Chemicals	3653	4263	4839
. Other crop expense	5702	6381	6849
. Irrigation operation costs	4	21	0049
. Custom work enterprise oper.costs,incl.labor		2	
. Custom work hired	2613	3281	3355
. Repair & upkeep of livestock equipment	904	1037	1222
<ul> <li>Repair &amp; upkeep of farm real estate</li> </ul>	1206	1687	1799
• Gas, oil & grease bought (farm share)	4391	5749	4685
. Repair & oper.of mach., tractor, truck & auto	4484	5470	5191
. Kepair & upkeep of irrigation equipment		0.70	3131
<ul> <li>Repairs - custom work enterprise</li> </ul>	5	7	
. Wages of hired labor	2223	2881	2794
. Personal property & real estate taxes	3261	3789	4036
. General farm expense	1604	1943	2117
. Telephone expense (farm share	254	299	279
• Electricity expense (farm share)	917	1162	1153
· Total cash operating expense	\$ 100421 <b>*</b>	137097	
Power, crop & gen.mach.bot.(farm share)			
Irrigation equipment bought	15670	21175	16883
Custom work equipment bought	Г7	204	
Livestock equipment bought	57 2837	284 7664	2070
New real estate & improvement		3664	2870
Total farm purchases (33) thru (38)	25975 \$ 144959	27108	
	ф 144959	189329	195522 *
Decrease in farm capital			
Interest on farm capital	38008	41380	53982
Unpaid family labor	466	508	554
Labor charge for partners & other operators	140	2	364
Board furnished hired labor	50	63	55
Total farm expense (39) thru (44)	183622 *	231281	<b>*</b> 250476 <b>*</b>
Ret. to oper. labor & mgmt single oper.			
(W.F.) $(2A/40)$ - $(45)$	7706 *	49554	<b>*</b> (-30936) <b>*</b>
Number of operators	1	2	1
Full time operator equivalents	1.15	1.37	$1.16^{-}$
Return to oper.labor & mgmt/full time			7
operator equivalent			

Tab	1e 3 - Summary of Farm Earnings (enterpris	e State	ement - Wh	ole Farm	) - 1979	
Ite	mS		Average 330	High 66	Low 66	,
1.	Returns & net increases	200				
2.	Productive livestock					
3.	Dairy cows	\$	7519	21915	329	
4.	Other dairy cattle		3107	8310	59	
5.	Beef breeding cattle		3581	7797	876	
6.	Feeder cattle		17190	32014	20724	
7.	Hogs, complete & mixed		23586	20432	37389	
3.	Hog finishing enterprise		4718	7452	5120	
Э.	Producing weaning pigs		1637	3533	1444	
).	Sheep & goats		295	178	29	
L.	Sheep, feeder lambs		83		186	
2. 3.	Chickens (including hens & broilers) Turkeys	944	125	249		
1.	Other productive livestock		69	103	49	
).	Total all productive livestock	\$	61910 *	101983	<b>†</b> 66207	*
) <b>.</b>	Value of feed fed to livestock		40325	53085	54200	
•	Return over feed from livestock		21585	48898	12007	
•	Crop, seed & feed		58833	84660	56408	
•	Cooperative patronage refunds		949	1273	950	
•	Miscellaneous farm income		1591	1832	1923	
•	Custom work enterprise		17	105	.0	
•	Total returns & net increases	\$	82975 *	136768	<b>*</b> 71288	*
<b>5.</b>	Expenses & net decreases					
•	Truck & auto (farm share)	\$	3580	4009	4601	
•	Tractors & crop machinery		15031	18633	18250	
•	Irrigation equipment					
•	Electricity		917	1162	1153	
•	Livestock equipment		2128	2540	THE STATE OF THE PARTY OF THE STATE OF	
•	Buildings, fences & tiling		4632	5841	7154	
•	Bare land		0710		=	
•	Miscellaneous livestock expense		2710	4039	3442	
•	Labor		3006	3576	4104	
•	Labor charge for other operator(s)		140	27700	364 4076	
•	Property tax		3261	3789	and the control of the letter dates as the color	
•	General farm expense & telephone		1858	2241	2397	
	Interest on farm capital		38008	41380	53982	
•	Total expenses & net decreases	\$	75269 *	87214	* 102224	*
•	Return to operators labor & management	\$	7706	49554	(-30936)	)
•	Number of farm operators	regaletan Helifika	1	2	1	NEW TOTAL

Table 3 combines table 1, 2A & 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 net decreases. The resulting return to operators labor and management is the same as those on page 5, line 46.

Table 4 - Household and Personal Expenses - 1979
For those farms with complete accounts - Operator's share

Ite	ns	Ave	cage 202	Per Adult Equivalent
1.	Number of persons - family		4	
2.	Number of adult equivalent - family		2.9	
<b>3.</b>	Church & welfare	\$	732	252.41
4.	Medical care { health insurance		1469	506.55
5.	Food & meals bought		2927	1009.31
6.	Operating expense & supplies		954	328.97
7.	Furnishings & equipment		1238	426.90
8.	Clothing & clothing materials		1010	348.28
9.	Personal care, personal spending		565	194.83
0.	Education		294	101.38
1.	Recreation		609	210.00
2.	Gifts & special events		577	198.97
3.	Personal share truck & auto expense		713	245.86
4.	Operator share upkeep on dwelling		734	253.10
4A.	Cash rent (personal)		5	1.72
5.	Personal share telephone & electricity exp.		375	129.31
5A.	Personal share-general farm expense		15	5.17
6.	Total cash living expense	\$	12219	4213.45 *
7.	Personal share new truck & auto		512	176.55
8.	New dwelling bought		2815	970.69
9.	Taxes & other deductions		3089	1065.17
0.	Life insur. & other savings & investments		1563	538.97
1.	Total household & personal (16) thru (20)	\$	20198	6964.83 *
2.	Total family living from the farm (33)		412	142.07
3.	Total cash & non-cash expenses (21)+(22)	\$	20610	7106.90 *
	Family living from the	farm		
5.	가는 생각하는 그분에 대회에 발견했다. 관취에 인데 하나 말라면함 		Quantity	Oper.Shar
	그 김 휴로 그는 노인 경 통화학 회를 내려면 그렇게 하는 그 네가 걸려왔다.			
	Milk & cream (quarts)		207	54
	Beef & buffalo (pounds)		381	254
8.	Pork (pounds)		241	98
	Lamb, mutton, goat (pounds)		2	1
	Poultry, all fowl (pounds)		1	
1.	Eggs (dozen)		3	2
2.	Vegetables, fruits, spuds, other produce & fuel			
3.	Total family living from the farm			\$ 412 *

Household and personal accounts are important if the family is to manage its financial affairs wisely. The household and personal expenses and receipts are presented in table 4. \*These farm families spend an average of \$1018.25 per month for cash living expense (line 16) and spend a total of \$1683.73 per month on an average for total personal and household expense (line 21).

<sup>\*\*</sup> Table 4 includes 202 farm families that kept complete household and personal records.

Table 5 - Net Worth Statement - Operator - 1979
For those Farms With a Complete Record of all Assets and Liabilities

Ite	ms		Averages of 3 Jan.1	302 Farms Dec.31
1. 2. 3. 4.	Total productive livestock Crop, seed & feed Total power, machinery & equipment Land (acres owned 162.5) (tillable 138.1)	\$	50920 51173 39483 104460	60190 56822 47471 113016
5. 6.	Buildings, fences, etc. Total farm capital	\$	34913 280948	46103 323602 <b>*</b>
8. 9. 10. 11. 12.	Non-farm assets Cash on hand & in bank Dwelling Total assets Real estate mortgages Chattel mortgages Notes	\$	19803 6039 13295 320085 60740 39521 21148	22874 5520 16206 368203 * 72943 58324 26244
13. 14.	Accounts payable Total liabilities	\$	3638 125046	4197 161708 *
15.	Farmers net worth	\$	195038	206495 *
16. 17. 18. 19. 20. 21. 22. 22A. 23. 24.	Gain (or loss) in net worth  * * *  Supplementary management information  Return to operators labor & mgmt (6B/47) Return to capital & family labor (6B/48) Non-farm income Outside investment income Other Personal inc. & income tax refund Sale of (P.S.) dwelling, auto & truck Total non-farm income Total family farm & non-farm income	\$ \$ \$	9472 20750 642 2820 60 3523 24273	\$ 11457 *
25. 26. 27. 28.	Total money borrowed Total paid on debt (principal) Total household & pers.cash/non-cash exp. (4/ Ratio: total farm-expenses to receipts (0.S.		117717 81637 18406 .946	
			Jan.1	Dec.31
29. 30. 31. 32. 33* 34. 35.	Ratio: total-assets to liabilities Ratio: non-real estate-assets to liab. Ratio: real estate-assets to liab. Ratio: net worth to total liabilities Ratio: cash oper.exp.to adj.total farm sales Ratio: total farm recpts.to ave.farm capital Ratio: total farm recpts.to ave.farm capital *Adjusted farm sales does not include sale of	(W.F.) (O.S.)	2.560 2.603 2.513 1.560	2.277 2.173 2.404 1.277 .857 .357 .582

The net worth statement presents a picture of the financial structure of the operator's share of the farm business at the beginning and end of the year. The gain or loss in net worth is a dollar measure of progress. This statement, accurately kept, over a period of years is one of the best measures of financial progress.

Table 5 - Net Worth Statement - Operator - 1979 For Those Farms With a Complete Record of all Assets and Liabilities

Ιtϵ	:ms			Profit Farms Dec.31
1. 2. 3. 4. 5. 6.	Total productive livestock Crop, seed & feed Total power, machinery & equipment Land (acres owned 187.1) (tillable 153.2) Buildings, fences, etc. Total farm capital	<b>\$</b> \$	64279 51414 44422 100392 38405 298912	82332 67384 54838 111610 51469 367635 *
7. 7A. 8. 9. 10. 11. 12. 13.	Non-farm assets Cash on hand & in bank Dwelling Total assets Real estate mortgages Chattel mortgages Notes Accounts payable Total liabilities	<b>\$</b>	23159 8772 13078 343921 71208 38443 21085 6442 137177	27735 7451 16533 419354 * 82990 60604 28236 5510 177340 *
15.	Farmers net worth	\$	206744	242014 *
16.	Gain (or loss) in net worth			\$ 35270 <b>*</b>
L7.	Supplementary management information			19. 13. 13. 13. 13. 13. 13. 13. No. 13. 13. 13. 13. 13. 13. 13. 13. 13. 13
18. 19. 20. 21. 22.	Return to operators labor & mgmt (6B/47) Return to capital & family labor (6B/48) Non-farm income Outside investment income Other personal income & income tax refund Sale of (P.S.) dwelling, auto & truck	\$	41959 54766 1269 2057 206	
23. 24.	Total non-farm income Total family farm & non-farm income	\$	3531 58297	
5.	Total money borrowed	Ψ	121566	
6. 7. 8.	Total paid on debt (principal) Total household & pers.cash/non/cash exp (4/Ratio: total farm-expenses to receipts (0.S		82826 21443 .818	
4.	Ratio: total-assets to liabilities Ratio: non-real estate - assets to liab. Ratio: real estate - assets to liab. Ratio: net worth to total liabilities Ratio: cash operating exp. to adj. total farm Ratio: total farm recpts. to ave. farm capita Ratio: total farm recpts. to ave. farm capita *Adjusted farm sales does not include sale o	1 (W.F. 1 (O.S.	)	Dec.31 2.365 2.541 2.164 1.365 .786 .443 .692

The supplementary information listed in table 5 is helpful in studying the financial structure of the farm. All figures presented are based on the operator's share of the farm business.

\*The ratio of total farm expense to total farm receipts (line 28) is a way of expressing the so-called margin. It answers the question, "how many dollars does it cost me to take in \$100"?

Table 5 - Net Worth Statement - Operator - 1979
For those farms with a complete record of all assets and liabilities

Ite	ms		61 Low Profit Jan.1	Farms Dec.31
1. 2. 3. 4. 5. 6.	Total productive livestock Crop, seed & feed Total power, machinery & equipment Land (acres owned 203.1) (tillable 184.1) Buildings, fences, etc. Total farm capital	\$	63401 68970 45588 186733 50171 414863	69020 69826 51897 193023 59751 443518 *
7. 7A 8. 9. 10. 11. 12. 13.	Non-farm assets Cash on hand & in bank Dwelling Total assets Real estate mortgages Chattel mortgages Notes Accounts payable Total liabilities	\$	20526 6670 18550 460608 86453 58231 22113 1830 168627	24900 7618 21661 497696 * 93089 95109 22638 1968 212805 *
15.	Farmers net worth	\$	291981	284891 *
16.	Gain (or loss) in net worth  * *	*		\$ (-7090)*
17. 18. 19. 20. 21. 22. 22A 23. 24. 25. 26. 27.	Supplementary management information  Ret.to operators labor & mgmt (6B/47) Ret.to capital & family labor (6B/48) Non-farm income Outside investment income Other pers.inc.& income tax refund Sale of (P.S.) dwelling,auto & truck Total non-farm income Total family farm & non-farm income Total money borrowed Total paid on debt (principal) Total household & pers.cash/non-cash exp. (4/23) Ratio: Total farm-expenses to receipts (0.S.)	\$	(-23439) (-7626) 650 4956 5606 (-2020) 160059 116095 19437	
29. 30. 31. 32. 33* 34.	Ratio: Total-assets to liabilities Ratio: Non-real estate-assets to liab. Ratio: Real estate-assets to liab. Ratio: net worth to total liabilities Ratio: cash oper.exp.to adj.total farm sa Ratio: total farm recpts.to ave.farm capi Ratio: total farm recpts.to ave.farm capi *Adjusted farm sales does not include sale	ita ita	Jan.1 2.732 2.497 2.955 1.732 s (O.S.) 1 (W.F.) 1 (O.S.)	Dec.31 2.339 1.865 2.948 1.339 .975 .319 .460

<sup>\*\*</sup>The ratio of assets to liabilities (line 29) indicates the degree of solvency at the beginning and end of the year. This ratio is often referred to as the "net capital ratio." It answers the question: "How many dollars of total assets do I have to cover each dollar of debt?"

Table 6A - Operator's Share of Cash Receipts - 1979

Ιt	ems		Average 330	High 66	Low 66
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	Sale of livestock & livestock products Dairy cows Dairy products Other dairy cattle Beef breeding cattle Beef feeder cattle Hogs complete & mixed Hogs finishing Hogs producing weaning pigs Sheep, goats & wool, farm flock Sheep & wool, feeder lambs Chickens (including hens & broilers) Turkeys Eggs Other productive livestock & products	\$	933 6992 1226 1666 38759 27340 9267 1678 272 167 20	2214 18096 2706 2896 54449 27602 10581 829 125 1	168 575 51344 44492 13254 2355 16
16. 17.	Other miscellaneous livestock income Total sales of productive livestock	\$	30 88555 <b>*</b>	119603	15 *112614 *
18. 19. 20. 21. 22. 22A 23. 24. 25. 26. 27. 28.	Sale of crops Wheat Other small grain Corn Soybeans Sumflowers Other row crops Legumes & other roughage Grass seed Fruits & nuts Vegetables, roadside market & specialty Nursery, timber & other Set aside acres - government payments		297 957 13220 22115 287 176 227	479 1774 13981 24263 722 448 305	188 620 13045 24864 406 66 99
30.	Total sales from crops	\$	37640 *	42521	
31. 32. 33. 34. 35. 36.	Capital assets sold Gas tax refund Income from work off the farm Custom work enterprise income Patronage refunds Miscellaneous farm income Total farm sales	**************************************	1297 116 1008 42 915 1517 131090 *	2248 133 1245 134 1205 1782	1255 120 633 979 1754 *156937 *
38.	Increase in farm capital		44035	74703	26960
39. 40.	Family living from the farm Total farm receipts (37)+(38)+(39)	\$	426 175551 <b>*</b>	621 244196	303 *184200 *
41. 42. 43.	Adjusted total farm sales (37) - (31) Total cash farm operating expense Net cash operating income	\$	129792 110628 19164 *	166623 132506 34117	155682 149091 * 6591 *

Table 6A is derived the same way as table 2A with the exception that the land-lord's share of the farm business is not included. For the owner-operator, table 2A and 6A are the same.

Table 6B - Operator's Share of Cash Expenses - 1979

Ite	ms	Average 330	High 66	Low 66
1.	Purchase of livestock			
2.	Dairy cows \$	540	898	267
3.	Other dairy cattle	783	3270	42
4.	Beef breeding cattle	1062	1742	80
5.	Beef feeder cattle	30035	37551	43962
6.	Hogs complete	2220	676	3407
7.	Hogs finishing	3780	4485	5047
8.	Hogs producing weaning pigs	131	7703 20	370
9.	Sheep, farm flock	60	256	3, 0 4
10.	Sheep, feeder lambs	319	250	
11.	Chickens	$\frac{319}{10}$	2	
12.	Turkey	10	<b>4</b>	
13.		20		2
	Other productive livestock	2603	3204	3510
14.	Miscellaneous livestock expense		APPLICATION OF THE PROPERTY OF	
15.	Feed bought	19280	21527	31679
16.	Fertilizer	5517	6658	6509
17.	Chemicals	3201	3841	4022
18.	Other crop expense	5258	5852	5865
19.	Irrigation operation cost		2	
20.	Custom work operator costs, including la		2	7070
21.	Custom work hired	2560	2901	3230
22.	Repair & upkeep of livestock equipment	883	1145	1088
23.	Repair & upkeep of farm real estate	1142	1292	1833
24.	Gas, oil, grease bought (farm share)	4237	5377	4237
25.	Repair & Operation-mach., tractor, truck,	12241414		
	auto (F.S.)	4298	4639	4896
26.	Repair & upkeep of irrigation equipment			
27.	Repairs, custom work enterprise	5	7	
28.	Wages of hired labor	2173	2555	2590
29.	Personal property & real estate taxes	1293	1461	1728
30.	Cash rent	6139	8410	6996
31.	General farm expenses	1512	1601	1879
32.	Telephone expense (farm share)	242	249	269
33.	Electricity expense (farm share)	880	1000	1064
34.	Interest expense	10446	11883	14515
35.	Total cash operating expense \$	110628 *	132506 *	149091 *
36.	Power, crop & gen.mach.bot.(farm share)	15193	18965	16339
37.	Irrigation equipment bought			
38.	Custom work enterprise equip.bought	57	284	(4) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
39.	Livestock equipment bought	2823	3252	2664
40.	New real estate & improvements	25698	33043	23482
41.	Total farm purchases (35) thru (40) \$	154399 *	188051 *	191576 *
	이 사용사람들이 아이지 하면 바로 바로에 하는 사람들이 모르는 사람이 되었다.	101000	10000#	
42.	Decrease in farm capital			
43.	Interest on farm capital (equity)	10560	11522	15314
14.	Unpaid family labor	466	460	645
45.	Board furnished hired labor	50	54	54
46.	Total farm expense (41) thru (45) \$	165474 *	200087 *	207587 *
17.	Return to operator labor & mome			
†7. •	Return to operator labor & mgmt. (0.S.) (6A/40)-(46) \$	10077 *	44109 <b>*</b>	(-23387)*
10		T00// "	44103 .	(-4330/)"
18.	Return to capital & family labor	21102	E6001	( 7/20)
	(47)+(44)+(43) \$	21102	56091	(-7429)

Return to capital and family labor, line 48 on this page represents the amount available for debt service. living expenses. and savings.

### Thermometer Chart

Using your figures from page 15, 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 of the chart.

Labor Earnings \$	Crop Yield	Percent Land in High Return Crop	Gross Return Per Acre \$	Return Per \$100 Feed Index	Livestock Units Per 100 Acres	Total Work Units	Work Units Per Worker	Expense Per Work Unit \$	Investment Per Worker \$
150000+	134	100	330	124	70	600	370	52	600000+
100000	128	98	310	121	65	560 /	× 350	54	550000
75000	123	97	290	118	60	530	320	56	500000
50000	<b>、</b> 111	95	270	1112	55	475	305	58	450000
35000	107	94	250	109	50	450	295	60	400000
25000	104	93	230	<b>(</b> ) 106	45	1 435 PROFITE	285	62	370000
15000_	102	92	210	103	35 <b>/</b>	410	ع طاط 275 –	64_	340000
7706_		91	210 197 	<u>                                     </u>	34/_	396	244_[\]	_66_	335165_
0	سر 98	89	190	97	30	380	240	\68	275000
-10000	95	87	180	94	<b>3</b> 25	365	230	70	250000
-15000	91	84	165	91	20	340	220	72	235000
-25000	86	80	150	88	10	300	210	74	220000
-50000	81	7.5	125	85	5	275	200	76	175000
	$\mathcal{F}_{\mathcal{F}}$		) (	) (	) (			) $($	

### MEASURES OF FARM ORGANIZATION AND MANAGEMENT EFFICIENCY

The following explanations and definitions are for use in interpreting Table 8 on page 15 and the thermometer chart on page 13.

- 1. Return to Operator's Labor and Management A measure of the relative financial returns for the operator's labor and management, taking into account all income and expense cash and non-cash, including a charge for the use of farm capital. This is based on the whole farm business and is found 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.
- 3. Percent of Tillable Land in High Return Crops A measure of crop selection based on a rating of individual crops. Crop ratings take into account such things as dollar return, effect on soil, TDN yield, labor required, etc. Ratings can be found on Table 9.
- 4. Gross Return Per Acre An additional measure of crop selection based on total production times an average price for the crops.
- 5. Return Per \$100 Feed Fed to Productive Livestock Measures the general level of efficiency for all livestock. It is expressed as a percentage of the average and combines the individual livestock indexes into one figure.
- 6. <u>Livestock Units Per 100 Acres</u> A measure of livestock density or population. <u>Unit values are assigned to the various classes of livestock.</u>
- 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 to other tasks utilizing farm labor. Explanation on page 40.
- 8. Work Units Per Worker Measures labor efficiency. It is the total work units divided by the number of workers including the operator, hired labor, and family labor.
- 9. Power, Machinery, Equipment and Building Expense Per Work Unit A measure of expense control. It is the total cost of items listed in Table 3 divided by the number of work units.
- 10. Farm Capital Investment Per Worker Indicates size of business. Useful in comparing a farm business to other industries or businesses.

Other items listed on Table 8 are related to the above measures and serve to further define and describe the efficiency level of a farm business.

Note should be taken that items listed in Table 8 and the thermometer charts are to be considered in light of the individual farm and farm operator. Although in general, an above-average level for each factor listed would indicate as above average earnings, this may not be true when individual farms are considered. The inter-relationship of factors varies from farm to farm.

Table 8 - Measures of Farm Organization and Management Efficiency - 1979

	ole 8 - Measures of Farm Organization and Ma	iagoi			
Ite	ems		Average 330	High 66	Low 66
1.	Return to operators labor & management	\$	7706	49554	(-30936)
3.	Crop yield index		100.0	102.9	97.9
3.	Percent tillable land in high return crops		91.0	88.5	95.2
4.	Gross return per tillable acre (excl.pastu	:e)	196.77	202.55	198.01
5.	Return per \$100 feed fed prod.livstk.index		100.0	112.2	88.6
6 <b>*</b>	Livestock units per 100 acres		33.71	39.71	36.27
7.	Size of business-work units		395.80	562.56	426.93
8.	Work units per worker		244.32	316.04	270.21
9.	Power, mach., equip., building exp. worker uni	: \$	66.44	57.26	79.40
10.	Farm capital investment per worker	\$	335164	332106	488083
11.	Index of return per \$100 feed fed				
12.	6100A beef breeding farm, whole herd, comme	ercia		104.0	58.7
13.	6140A beef feeders feedlot		100.0	114.4	90.9
14.	6240A chickens, laying flock, commercial		100.0	150.8	
15. 16.	6260A chickens, broilers		100.0	440 4	700 1
10. 17.	6290A dairy cows, commercial, general		100.0	112.4	109.1
18.	6310A other dairy, commercial, replacement	lts :	100.0	108.7	64.7
19.	6470A hogs, farrow, finish, general 6490A hogs, finishing		100.0 100.0	123.9	85.0
20.	6510A hogs, weaning pig production		100.0	123.7 103.3	76.9 85.2
21.	6530A hogs, mixed systems		100.0	127.5	94.8
22.	6550A horses		100.0	127.3	34.0
23.	6570A lambs, feeders		100.0		85.3
24.	6670A sheep, farm, commercial		100.0	147.7	64.0
30.	Number of animal units		122.94	178.18	150.09
31.	Work units				
32.	Crops		179.67	223.84	203.87
	Productive livestock		203.21	325.69	212.49
34.	Other productive work units		12.92	13.03	10.57
35.	Expenses per work units				
36.	Tractor & crop machinery expense	\$ \$	37.99	33.15	42.75
37.	Farm share of auto & truck expense		9.05	7.13	10.78
38.	Farm share of electric expense	\$ \$ \$	2.32	2.07	2.70
39.	Livestock equipment expense	\$	5. <u>3</u> 8	4.52	6.42
40. 41 <b>**</b>	Building, fence & tiling expense	\$	11.71	10.39	16.76
	d dL m-our.orb.Ed. d.oB moro		41.27	41.53	44.33
42. 43.	Farm power & mach.cost alloc.to lystock	\$	1776.92	2899.52	2047.32
τυ <b>.</b>	Bldg.fence & tiling cost alloc.to crops BCAF (1)	\$	2105.45	2360.87	3290.70
44.	*Acres include all tillable land, non-til	lab1	e hay & pa	sture	
45.	**Acres include all tillable land plus ac				
46.	Marketing index		100.00	99.12	99.43

Table 9 - Crop Data for 330 Farms - 1979

<u>Crop</u>	Crop <u>Rank</u>	Average Yield/Acre	Cost per unit of Production	Return over Listed Costs per acre
Oats	D	55.0 bu.	1.93	(-10.88)
Wheat	С	28.7 bu.	3.83	9.01
Flax	В	19.5 bu.	4.70	35.65
Corn	A	104.8 bu.	1.82	19.82
Soybeans	A	32.6 bu.	4.41	57.29
Corn silage	A	15.7 ton	11.88	85.01
Alfalfa	В	4.6 ton	29.84	36.11
Sunflowers	С	12.1 cwt.	9.64	(-10.70)
Oats silage	D	7.9 ton	14.23	(-2.64)

<sup>\*\*</sup> Refer to table 10's pages 18-26 of high and low farms for above information.

\* \* \*

Supplementary Management Information	Average 330	High 66	Low 66
Percent land tillable	88.0	83.8	91.9
Percent land in high return crops	91.0	88.5	95.2
*Fertilizer cost per acre	16.91	16.24	20.38
*Crop chemicals per acre	9.89	8.82	11.90
*Seed & other costs per acre	17.25	15.28	18.68
*Gas, oil & grease bought per acre	9.48	10.65	8.70
*Tillable land (-) tillable pasture,			

fallow & idle land

#### CROP TABLES - CROPS ANALYSIS

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

Costs such as fertilizer, chemicals, seed and other, hired labor and custom work are costs that can be assigned to each individual crop in the account book. These costs are shown in the Crop Tables under the heading "Direct Costs", line 8 thru 13.

"Allocated Costs", lines 17 thru 22, are a combination of cash and non-cash expenses and may be either calculated or assigned. A proportion of the total ownership and operation costs of power and machinery is calculated for each crop by using the work unit value for that crop. The farmer may modify this cost by assigning a specific power cost allocation factor (PCAF) for each crop. Land cost used is the fair rental value for land of similar type in the local area.

Some of the more difficult expenses to assign or distribute to various enterprises within the farm business are items such as electricity, telephone, general farm expense and interest. However, if one wishes to distribute these costs to the crop and livestock enterprises within the business, the spaces provided at the bottom of each individual crop printout provides for this.

Table 10-0072 Crop Data for Oats - 1979

			AVERAGE 16	9	HIGH 34	LOW 34	
1.	Acres		24.2	****	20.7	26.6	
2. 3. 4. 5.	Yield Value per bushel Crop product return Other crop income Total crop return	\$ \$	Per Acre 55.0 1.10 60.50 34.79 95.29 *		Per Acre 84.9 1.10 93.43 42.37 135.80 *	Per Acre 28.2 1.10 30.98 33.76 64.74 *	
7. 8. 9. 10. 11. 12. 13.	Direct costs Fertilizer Chemicals Seed & other Special hired labor Custom work hired Irrigation operation Total direct costs	\$	6.28 .70 7.60 .04 4.75	\$		4.55 1.54 6.88 .04 3.05	
15.	Return over direct costs	\$	75.92 *		110.57 *	48.68 *	
16.	Allocated costs						
17. 18. 19. 20. 21. 22. 23. 24.	Farm power & machinery - owner Farm power & machinery - oper Irrig.equip ownrship Land costs Miscellaneous costs *Interest on mach.& equip.inve Total allocated costs	ration	12.84 59.18 t 3.73 86.80	\$	11.99 62.03 3.74 89.50	12.34 65.24 3.16 91.77	
25. 26. 27. 28. 29. 30. 30A 31.	Return over all listed costs  Supplementary management inform Work units assigned per acre Power costs allocation factor Total listed cost per bushel Return over listed costs per Breakeven yield/units of prod Estimated total machine costs Total listed costs per acre	busheluction	.30 1.00 1.93 L (20) n 96.52	Ф	.30 1.00 1.35	-43.09)*  .30 .99 3.83 (-1.53) 98.03 29.58 107.83 *	

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land
\*\*Line 5 includes value of straw, insurance loss payments and disaster aid
payments

(19)
Table 10-0172 Crop Data for Spring Wheat - 1979

		AVERAGE	26		HIGH 13		LOW 13
1.	Acres	28.2 Per A	cre	-	25.5 Per Acre		31.0 Per Acr
2.	Yield	28.7			35.4		23.1
3.	Value per bushel	3.86			3.83		3.89
4.	Crop product return \$	110.89			135.61		89.84
5.	Other crop income	8.16			14.35		3.03
6.	Total crop return \$	119.05	*		149.96 *		92.87 *
7.	Direct costs			1.			
8.	Fertilizer \$	14.50		\$	15.45	\$	13.68
9.	Chemicals .	1.31			1.84		.90
10.	Seed & other	8.94			7.61		9.97
11.	Special hired labor	.35			.75		2.04
12.	Custom work hired	3.12			3.29		2.94
13. 14.	Irrigation operation Total direct costs	28.22			28.94		27.49
14.	Total direct costs	20.22					27.43
15.	Return over direct costs \$	90.83	*		121.02 *		65.38 *
16.	Allocated costs						
17.	Farm power & machinery - ownershi			\$	13.81	\$	12.46
18. 19.	Farm power & machinery - operatio Irrig.equip ownrship	n 10.04			10.26		9.82
20.	Land costs	52.46			57.31		47.62
21.	Miscellaneous costs	2,52			0, 001		4.55
22.	*Interest on mach.& equip.investme				3.21		4.11
23.	Total allocated costs \$	81.82			84.59		78.56
24.	Return over all listed costs \$	9.01	*		36.43 *	(	-13.18)*
25.	Supplementary management informatio	n					
26.	Work units assigned per acre	.30			.30		.30
27.	Power costs allocation factor	1.00			1.00		1.00
28.	Total listed cost per bushel	3.83			3.21		4.59
29.	Return over listed costs per bush				1.03		(57)
30.	Breakeven yield/units of producti				29.64		27.26
30A	Estimated total mach.costs/acre	29.96		.نى	30.57	<b>.</b>	29.33
31.	Total listed costs per acre \$	110.04	*	\$	113.53 *	\$	106.05 *

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land
\*\*Line 5 includes value of straw, insurance loss payments and disaster aid
payments

Table 10-0048 Crop Data for Flax - 1979

			AVERAGE 16	HIGH 8	LOW 8
1. 2. 3. 4. 5. 6.	Acres  Yield  Value per bushel  Crop product return  Other crop income  Total Crop return	\$	52.2 Per Acre 19.5 6.13 119.66 7.74 127.40 *	47.2 Per Acre 23.8 6.12 145.87 1.46 147.33 *	57.2 Per Acre 16.0 6.15 98.16 12.94 111.10 *
7. 8. 9. 10. 11. 12. 13.	Direct costs Fertilizer Chemicals Seed & other Special hired labor Custom work hired Irrigation operation Total direct costs	\$	5.34 \$ 1.53 10.25 2.47 19.59	6.69 \$ 1.31 10.23 1.65 19.88	4.23 1.71 10.24 3.15
15.	Return over direct costs	\$	107.81 *	127.45 *	91.77 *
16. 17. 18. 19. 20. 21. 22. 23. 24.	Allocated costs Farm power & machinery - ownership Farm power & machinery - operation Irrig. equip.ownrship Land costs Miscellaneous costs *Interest on mach. & equip.investment Total allocated costs Return over all listed costs	\$ \$\$	8.67 11.45 49.50 2.54 72.16 35.65 *	11.36 11.02 48.13 2.84 73.35 54.10 *	6.45 11.81 50.88 2.29 71.43 20.34 *
25. 26. 27. 28. 29. 30. 30A 31.	Supplementary management information Work units assigned per acre Power costs allocation factor Total listed cost per bushel Return over listed costs per bushel Breakeven yield/bu.of production Estimated total machine costs/acre Total listed costs per acre	\$	.30 1.00 4.70 1.83 14.97 25.13 91.75 * \$	.30 1.00 3.91 2.27 15.23 26.87 93.23 * \$	.30 1.00 5.69 1.27 14.76 23.70 90.76 *

<sup>\*</sup> Does not include interest on investment in irrigation equipment or land

<sup>\*\*</sup>Line 5 includes value of straw, insurance loss payments and disaster aid payments

Table 10 - Crop Data for Sunflowers, Canning Peas & Canning Corn - 1979

			SUNFLOWERS AVERAGE 23		CANNING CORN AVERAGE 3
1.	Acres		90.8	32.8	63.0
2.	Yield		Per Acre 12.1	Per Acre 204.33	Per Acre 166.30
3.	Value per production unit	ф	8.62	1.00	1.00
4. 5.	Crop product return Other crop income	\$	104.61 1.66	204.33	166.30
6.	Total crop return	\$	106.27 *	204.33 *	166.30 *
7. 8. 9. 10. 11. 12. 13.	Direct Costs Fertilizer Chemicals Seed & other Special hired labor Custom work hired Irrigation operation Total direct costs	\$	12.63 \$ 6.50 12.21 .01 2.73	5.18 .91 2.59 .98 9.66	\$ 15.79 2.52 2.19 .98 21.48
		'			espiration of the
15.	Return over direct costs	\$	72.19 *	194.67 *	144.82 *
16. 17. 18.	Allocated costs Farm Power & machinery - ownership Farm power & machinery - operation Irrig. equip ownrship	\$	13.15 \$ 15.30	18.94 13.80	\$ 18.13 17.77
20.	Land costs		50.52	104.40	86.00
21. 22. 23. 24.	Miscellaneous costs *Interest on mach.& equip.investment Total allocated costs Return over all listed costs	\$ \$	.01 3.91 82.89 (-10.70)*	4.67 141.81 52.86 *	6.03 127.93 16.89 *
25. 26. 27. 28. 29. 30. 30A 31.	Supplementary management information Work units assigned per acre Power costs allocation factor Total listed cost per unit of produc Return over listed costs per unit Breakeven yield/units of production Estimated total machine costs/acre Total listed costs per acre	tion \$	.40 1.00 9.64 (88) 13.57 35.09 116.97 * \$	.40 1.00 .74 .26 151.47 38.39 151.47 *	.50 1.00 .90 .10 149.41 42.91 \$ 149.41 *

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land

\*\*Line 5 includes value of insurance loss payments, disaster aid and payments,
and corn stalks harvested for feed

Table 10-0222 Crop Data for Corn for Grain - 1979

			AVERAGE 330	HIGH 66	LOW 66
	Acres		123.3 Per Acre	135.4 Per Acre	88.8 Per Acre
2.	Yield		104.8	135.8	61.2
3.	Value per bushel		1.99	2.00	1.98
4.	Crop product return	\$	208.65	271.55	121.16
	Other crop income		1.58	.71	7.16
6.	Total crop return	\$	210.23 *	272.26 *	128.32 *
7.	Direct costs				
8.	Fertilizer	\$	30.97 \$		\$ 22.00
9.	Chemicals		11.85	13.32	10.42
10.	Seed & other		22.67	27.21	18.00
11.	Special hired labor		. 28	.30	.09
12.	Custom work hired		4.03	3.46	5.02
13.	Irrigation operation				
14.	Total direct costs	\$	69.80	84.44	55.53
15.	Return over direct costs	\$	140.43 *	187.82 *	72.79 *
16.	Allocated costs				
17.	Farm power & machinery - ownership	\$	23.85 \$	30.82	21.98
18.	Farm power & machinery - operation	•	23.35	25.05	22.42
19.	Irrig. equip ownrship				
20.	Land costs		65.57	80.53	50.72
21.	Miscellaneous costs	-	.15	.09	•46
22.	*Interest on mach. & equip.investment		7.69	8.12	6.40
23.	Total allocated costs	\$	120.61	144.61	101.98
24.	Return over all listed costs	\$	19.82 *	43.21 * (	
		Ψ	10.02	10.07	#2.±2)
25.	Supplementary management information				
26.	Work units assigned per acre		.55	.55	•55
27.	Power costs allocation factor		1.00	1.00	1.00
28.	Total listed cost per bushel		1.82	1.69	2.57
29.	Return over listed costs per bushel		.19	.32	(48)
30.	Breakeven yield/bu.of production		95.68	114.53	79.55
30A	Estimated total machine costs/acre		58.92	67.45	55.82
31.	Total listed costs per acre	\$	190.41 * \$	229.05 * \$	
	Land odd ood oo bot doto	Ψ	±20+π± ψ	q	,, • J.L

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land

<sup>\*\*</sup>Line 5 includes value of insurance loss payments, disaster aid and payments, and corn stalks harvested for feed

Table 10-0291 Crop Data for Soybeans - 1979

			AVERAGE 300	HIGH 60	LOW 60
1.	Acres		120.9	113.6	114.4
_			Per Acre	Per Acre	Per Acre
2.	Yield		32.6	41.0	22.5
3.	Value per bushel	de	5.98	5.99	6.00
4.	Crop product return	\$	195.08	245.61	135.21
5.	Other crop income	ф	5.99	1.59	18.21
6.	Total crop return	\$	201.07 *	247.20 *	153.42 *
7.	Direct costs				
8.	Fertilizer	\$		\$ 2.25 \$	
9.	Chemicals Chemicals		10.26	10.92	10.16
10.	Seed & other		14.24	12.37	15.79
11.	Special hired labor		1.06	1.04	1.21
12.	Custom work hired		2.24	2.01	2.29
13. 14.	Irrigation operation Total direct costs	\$	29.82	28.59	31.78
15.	Return over direct costs	\$	171.25 *	218.61 *	121.64 *
16.	Allocated costs				
17.	Farm power & machinery - ownership	\$	20.02	\$ 21.28 <b>\$</b>	17.02
18. 19.	Farm power & machinery - operation Irrig.equip ownrship	Ψ	19.20	18.80	18.02
20.	Land Costs		68.28	74.12	59.77
21.	Miscellaneous costs		.08	74.20	.34
22.	*Interest on mach. & equip.investment		6.38	6.43	5.44
23.	Total allocated costs	\$	113.96	120.63	100.59
24.	Return over all listed costs	\$ \$	57.29 *	97.98 *	21.05 *
25.	Supplementary management information		4 =	4.5	4 =
26.	Work units assigned per acre		.45	.45	.45
27.	Power costs allocation factor		1.00	1.00	1.00
28.	Total listed cost per bushel		4.41	3.64	5.87
29.	Return over listed costs per bushel		1.76	2.39	.93
30.	Breakeven yield/bu.of production		24.04 48.24	24.91 48.52	22.06
30A	Estimated total machine costs/acre	ф			42.77
31.	Total listed costs per acre	\$	143.78 *	\$ 149.22 <b>*</b> \$	3 132.37 *

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land

\*\* Line 5 includes value of insurance loss payments and disaster aid payments

Table 10-0720 Crop Data for Corn Silage - 1979

			AVERAGE 135	HIGH 27 LOW 27
1. 2.	Acres Yield		30.7 Per Acre 15.7	30.5 25.7 Per Acre Per Acre 22.7 9.1
3. 4. 5.	Value per ton Crop product return Other crop income	\$	17.26 270.98 .62	16.97 17.59 385.02 160.86 .46 2.92
6. -	Total crop return	\$	271.60 *	385.48 * 163.78 *
7. 8. 9. 10. 11. 12.	Direct costs Fertilizer Chemicals Seed & other Special hired labor Custom work hired Irrigation operation	\$	33.49 11.37 15.37 .07 3.84	\$ 36.33 \$ 18.95 10.98 9.84 17.28 13.31 .23 .98 4.82
14.	Total direct costs	\$	64.14	65.80 46.92
15.	Return over direct costs	\$	207.46 *	319.68 * 116.86 *
16. 17. 18. 19.	Allocated costs Farm power & machinery - ownership Farm power & machinery - operation Irrig.equip.ownrship Land costs	\$	26.96 26.56 60.53	\$ 31.90 \$ 19.35 27.21 24.00 65.70 50.33
21. 22. 23. 24.	Miscellaneous costs *Interest on mach.& equip.investment Total allocated costs Return over all listed costs	\$ \$	8.40 122.45 85.01 *	7.95 6.64 132.76 100.32 186.92 * 16.54 *
25. 26. 27. 28. 29. 30. 30A 31.	Supplementary management information Work units assigned per acre Power costs allocation factor Total listed cost per ton Return over listed costs per ton Breakeven yield/ton of production Estimated total machine costs/acre Total listed costs per acre	\$	.60 1.00 11.88 5.41 10.81 65.76 186.59	\$ .60 .60 1.00 1.00 8.75 16.10 8.24 1.81 11.70 8.37 68.04 54.81 198.56 *\$147.24 *

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land
\*\*Line 5 includes insurance loss payments and disaster aid payments

Table 10-0750 - Crop Date for Oats Silage - 1979

		CAN THE ANGLE OF THE STREET OF THE STREET	AVERAGE 27	a same in
1.	Acres		23.7	
			Per Acre	
2.	Yield		7.9	
3.	Value per ton		13.89	
4.	Crop product return	\$	110.17	
5.	Other crop income	· *		
6.	Total crop return	\$	110.17	
7.	Direct costs			
8.	Fertilizer	\$	8.99	
9.	Chemicals		3.16	
10.	Seed & other		7.13	
11.	Special hired labor			4 -
12.	Custom work hired		1.14	
13.	Irrigation operation			
14.	Total direct costs	\$	20.42	
15.	Return over direct costs	\$	89.75 *	
16.	Allocated costs			
17.	Farm power & machinery - ownership	\$	15.21	
18.	Farm power & machinery - operation	,	16.40	
19.	Irrig.equip ownrship			
20.	Land costs		55.48	
21.	Miscellaneous costs	•	00,10	
22.	*Interest on mach.& equip.investment		5.30	
23.	Total allocated costs	\$	92.39	
24.	Return over all listed costs	\$ \$	(-2.64)*	
		Ψ	( 2104)	
25.	Supplementary management information			
26.	Work units assigned per acre		.40	
27.	Power costs allocation factor		.96	
28.	Total listed cost per ton		14.23	
29.	Return over listed costs per ton		(34)	
30.	Breakeven yield/ton of production		8.12	
30A	Estimated total machine costs/acre			
31.		· <b>d</b> r	38.05	
7T.	Total listed costs per acre	\$	112.81 *	

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land

Table 10-0401 Crop Data for Alfalfa Hay - 1979

-			AVERAGE 213	HIGH 43	LOW 43
1. 2.	Acres Yield		28.1 Per Acre 4.6	33.1 Per Acre 7.0	21.4 Per Acre 2.1
3.	Value per ton		38.22	38.95	32.33
4.	Crop product return	\$	174.09	274.17	69.49
5.	Other crop income		.43		2.38
6.	Total crop return	\$	174.52 *	274.17 *	71.87 *
7. 8. 9. 10. 11.	Direct costs Fertilizer Chemicals Seed & other Special hired labor	\$	8.84 \$ .04 6.63 .83 9.09	8.01 \$ 6.74 .57 9.88	6.02 .37 5.71 1.05 6.86
12. 13.	Custom work hired Irrigation operation		9.09	9.00	0.00
14.	Total direct costs	\$	25.43	25.20	20.01
15.	Return over direct costs	\$	149.09	248.97 *	51.86 *
16. 17. 18.	Allocated costs Farm power & machinery - ownership Farm power & machinery - operation	\$	22.59 26.56	24.39 \$ 24.70	19.46 23.76
19. 20. 21.	Irrig.equip ownrship Land costs Miscellaneous costs		56.19	61.16	43.02
22. 23. 24.	*Interest on mach.& equip.investment Total allocated costs Return over all listed costs	\$ \$	7.64 112.98 36.11 *	8.33 118.58 130.39 * (	6.19 92.43 -40.57)*
25. 26. 27. 28. 29. 30. 30A 31.	Supplementary management information Work units assigned per acre Power costs allocation factor Total listed cost per ton Return over listed costs per ton Breakeven yield/ton of production Estimated total machine costs/acre Total listed costs per acre	\$	.60 .95 29.84 8.47 3.66 65.88 138.41 * \$	.60 .98 20.42 18.52 3.69 67.30 143.78 * \$	.60 .80 46.70 -13.26) 3.58 56.27 112.44 *

<sup>\*</sup>Does not include interest on investment in irrigation equipment or land

### COSTS AND RETURNS FROM LIVESTOCK ENTERPRISES

Productive livestock enterprises are an important part of the farm business in all but a few of the farms involved in this report. Table 11 through 17A pertain to the major livestock and poultry enterprises.

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

Other cash cost items that are relatively easy to identify and classify in the record book are listed in each of the tables as other direct costs to the livestock enterprises. The return over feed and supplemental costs, therefore, is not a new return, but rather the amount available after paying for the feed and those cost items listed to cover outlay for the costs of buildings, machinery, equipment, labor, taxes, insurance, interest, and other fixed costs.

In calculating the total return for the enterprise, the inventory change, purchase and sale of livestock, value of animals butchered, products sold, and products used in the home are considered in order to arrive at the total income or total return for the enterprise. The total return is divided by the net quantity produced or number of head to arrive at a per unit figure for comparison.

Feed costs are determined from feed records kept by the farm operator. Purchase price is used for all feed purchased from off the farm. An average price is charged for each kind of farm grown feed. Farm grown feed prices are listed on page 39.

The items listed as Supplementary Management Information provide further clues to the reasons for high, low, or average livestock returns.

All livestock costs and returns are computed on an animal basis. Thus, with feeder enterprises, inventories of feeder animals are involved. In most cases, the amount indicated as "price per cwt. bought" is the cost of those animals on hand at the end of the year; likewise, the amount given as "price per cwt. sold" is the price received for animals sold during the twelve months period, most of which were animals on hand at the beginning of the year.

140	ole IIA - 64/0 - Hogs Farrow to Finish - I	979	AVERAGE 124	—— H	IGH 25	LOW 25	
1.	Pounds of hogs produced		130362	1	L07883	94238	
	교실 경험에 불자한 경험을 통해 하는 것이 되었다. 그런 경험을 받는 것이 되었다. 하는 경험 시간 : 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Per Cwt.		er Cwt.	Per Cwt	
2.	Net increase in value of hogs	\$	35.28		41.36	29.07	
3.	Other miscellaneous hog income		.01				
4.	Total value produced	\$	35.29 *	e i i i e i Velika izlat	41.36 *	29.07	*
5.	Pounds of feed fed	A Television	교통이 2017년 전시 전문( 모든 17 2년 1월 1일 기업 12일 기업 기업 기업 기업				
6.	Corn		300.1		268.4	386.6	
7.	Small grain		20.4		18.5	18.8	
8.	Complete ration		17.5		12.3	10.8	
9.	Protein, salt & mineral & milk		81.7		67.3	99.5	
10.	Total concentrates		419.7		366.5	515.7	
11.	Forages		1.1		.9	1.1	
12.	Feed cost						
13.	Grains		11.67		10.78	14.70	
14.	Complete ration	1.799	1.74		1.48	1.30	
15.	Protein, salt & mineral & milk		12.15		8.75		Village (
16.	Forages	al are	.02	1. A.	.02	.02	
17.	Pasture	l desi					
18.	Total feed costs	\$	25.58		21.03	30.45	
19.	Return over feed costs	\$	9.71 *		20.33	* (-1.38)	*
20.	Other direct costs					erija Prija	4
21.	Miscellaneous livestock expense		1.10		.96	1.50	
22.	Veterinary expense		.82		.82	.72	
23.	Custom work		. 27		.30	. 25	
24.	Special hired labor		. 24		.30	.05	
25.	Total other direct costs	\$	2.43		2.38	2.52	
26.	Return over feed & other direct costs	\$	7.28 *		17.95	* (-3.90)	*
27.	Allocated costs						
28.	Power & machinery costs (PCAF 1.00)		1.06		1.11	1.13	
29.	Livestock equipment costs (ECAF 1)		1.47		1.41	2.28	
30.	Building & fences (BCAF 1)	ne de la companya de La companya de la co	1.57		1.53	1.93	
31.	Total allocated costs	\$	4.10		4.05	5.34	
32.	Return over all listed costs	\$	3.18 *		13.90	* (-9.24)	*
33.	Supplementary management information	1/1/1/					
34.	Return for \$100 feed fed		137.95		196.66	95.47	
35.	Price received per cwt.all animals		41.90		44.55	40.21	
36.	Price received per cwt.sold mkt.only		42.27		42.33	40.75	
37.	Number of litters farrowed		72		66	50	
37A	Litters/bearing female/year		, <b></b>			ក បានអ៊ីកែ	
38.	Number of pigs born per litter		9.8		9.5	8.2	
39.	Number of pigs weaned per litter		7.7		7.8	6.2	
40.	Percent death loss		14.6		13.9	14.1	
41.	Average weight of all hogs sold		234.7		230.2	251.5	
42.	Average weight of mkt.hogs sold		228.9		223.8	241.1	
43.	Price per cwt.concentrate fed		6.09		5.73	5.90	
44,	Price per cwt.protein, salt & mineral		14.88		12.99	14.49	
			3700				
45.	Pounds of pork purchased	ф		ф	3510 27.46	5356	r.
46.	Total listed costs per cwt.pork prod	-•φ	32.11 *	\$	47.40	\$ 38.31	

<sup>\*</sup>Farms included in table 11A carried out a complete program of farrowing and marketing their own hogs. Purchases were primarily breeding stock. The feed costs include feed for the breeding herd and market animals.

Table 11B 6490 Hogs, Finishing Enterprise - 1979

			AVERAGE 62	HIGH 12	LOW 12
1.	Average number of pigs on hand		235.3	187.7	255.3
2.	Pounds of hogs produced		108340	87416	101998
	보면 경기 가는 사람들이 불어 없었다. 사람들이 가를 통하고 있다는 것으로 가는 것을 하는 것을 했다. 그렇게 하고 있는 것들은 그렇게 하지 않는 것 같습니다.		Per Cwt.	Per Cwt.	
3.		\$	25.02	29.65	20.23
4.	Other miscellaneous hog income	1	08		
5.	그는 그를 되는데, 이는 이 사는 사람들은 여자 그림 사람들에서 청약하는 사람들이 불어 없는 사람들이 생각하는 사람들이 되는 것이 되는 것이 되는 그를 가지 않는 그를 가셨다.	\$	25.10 *	29 <b>.</b> 65 *	20.23 *
6.	Pounds of feed fed				
7.	Com		316.8	247.8	401.4
8.	Small grain		7.5	13.3	7.4
9.	Complete ration		9.8	4.7	1.7
10.	Protein, salt & mineral & milk		73.1	101.9	79.0
11.	Total concentrates		407.2	367.7	489.5
12.	Forages				
13.	Feed cost		11 00	0. 50	15 10
14.	Grains		11.90	9.52	15.10
15. 16.			.76	.36	.33 15.20
10. 17.	Protein, salt & mineral & milk		10.72	9.54	13.20
17. 18.	Forages Pasture				
19.	Total feed costs	\$	23.38	19.42	30.63
20.	Return over feed costs	φ ¢	1.72 <b>*</b>		(-10.40)*
21.	Other direct costs	ħ	1.1/4	10.23	( 10.40)
22.	Miscellaneous livestock expense		.46	.41	.68
23.	Veterinary expense	18	.28	.54	.25
24.	Custom work		.26	.17	.31
25.	Special hired labor		.02	elise os estat apecial.	.02
26.	Total other direct costs		1.02	1.12	1.26
27.		\$.	.70 *	9.11 *	(-11.66)*
28.	Allocated costs	4	en de la marie de		( 44,00)
29.	Power & machinery costs (PCAF 1.00)		.64	. 53	.63
30.	Livestock equipment costs (ECAF 1)		•0+ •94	.46	1.17
31.	Building & fences (BCAF 1)	Yar.	.94	.88	.92
32.		\$	2.52	1.87	2.72
1.					
33.	그렇다 하는 얼마를 가장 하는 것 같아.	\$	(-1.82)*	7.24 *	(-14.38)
34.	Supplementary management information				
35.	Return for \$100 feed fed		107.34	152.69	66.04
36.	Price received per cwt.		41.35	42.58	40.57
37.	Average weight of pigs sold Average price paid per pig bought			228.9	
88.	Average price paid per pig bought			38.65	
39.	Average weight per pig bought Number of pigs purchased		45.8		
10.	Number of pigs purchased		574	416	644
11.	No.pigs transferred in		50	80	6
12.	Average weight of pigs transferred in		40.0	21.2	117.7
13.	Pounds of pork purchased			19247	30327
14.	Percent death loss		3.3	3.3	4.2
15.	Price per cwt.concentrate fed	C ~ 1		5.28 9.37	6.26
16.	Price per cwt.protein, salt & mineral t	rea	14.67	9.37 1.28	$19.22 \\ 1.09$
17. 18.	Effective daily gain-pounds/day/pig Total listed cost per cwt.pork prod		26.92 *		\$ 34.61 *
10.	Total listed cost per cwt.pork prod	•	40.94 "	22.41 *	Ψ 34.01 "

<sup>\*</sup>Farms included in table 11B are purchased feeder pigs that are fed to market weight. None of these farms maintained breeding herds. Only those farms producing over 5,000 lbs.of pork are included in tables 11A and 11B.

Table 11C 6510 Hogs, Weaning Pig Production - 1979

			AVERAGE 18	
1.	Number of litters farrowed		112	
_		4	Per Litter	
2.	Net increase in value of hogs	\$	272.54	
3.	Other miscellaneous weaning pigs income	\$	070 E4 ♣	
4.	Total value produced	Þ	272.54 *	
5.	Pounds of feed fed			
6.	Corn		1301.4	
7.	Small grain		102.7	
8.	Complete ration		229.1	
9.	Protein, salt & mineral & milk		511.2	
10.	Total concentrates		2144.4	
11. 12.	Forages Feed Cost		. 6	
13.	Grains		51.88	
14.	Complete ration		22.79	
15.	Protein, salt & mineral & milk		76.71	
16.	Forages		0.01	
17.	Pasture			100
18.	Total feed costs	\$	151.39	
19.	Return over feed costs	\$	121.15 *	
20.	Other direct costs			
21.	Miscellaneous livestock expense	(Substitution	12.89	
22.	Veterinary expense		13.84	
23.	Custom work		3.34	
24.	Special hired labor		1.91	
25.	Total other direct costs	\$	31.98	
26.	Return over feed & other direct costs	\$	89.17 *	
27.	Allocated costs		i de produce de Adolesia de Partirio. La Adolesia de Caracteria	
28.	Power & machinery costs (PCAF 1.00)		12.32	
29.	Livestock equipment costs (ECAF 1)		15.45	
30.	Building & fences (BCAF 1)		15.66	
31.	Total allocated cost	\$	43.43	
32.	Return over all listed costs	\$	45.74 *	
7 77	- 호텔레스템 크랜드 이번 호텔트 - 시스폰은 (1988 - )			
33. 34.	Supplementary management information Return for \$100 feed fed		100.03	
35.	Average price received per animal sold		180.02 47.14	
36.	Average price received per animal sold  Average price per pig sold or transferred		38.34	
37 <b>.</b>	Average price per pig sold or transferred Average weight per pig sold or transferred		44.1	
38.	Number of nige produced	a Military Commence	826	
39.	Number of pigs produced  Number of pigs born per litter		10.0	
10.	Number of pigs weaned per litter		7.5	
11.			21.4	
12.	Price per cwt.concentrate fed		7.06	
13.	11100 Por Chelprocomi, Dorre d'infilorer auch		15.01	
14.	Feed & supplemental costs per pig produced		24.86	
15.	Total listed costs per litter	\$	226.80 *	

The information presented includes costs of maintaining the breeding herd and raising the pigs to wearing weight.

Value produced includes the net change in value of the breeding herd as well as feeder pig sales.

Table 12-6290 - Dairy Cows - 1979

1. 2.	Average number of cows	VI, W.	and the control of the state of		
2.			39.2	38.0	41.7
			Per Cow	Per Cow	Per Cow
	Pounds of milk		11302	14131	9046
3.	Pounds of butterfat		407.8	507.3	326.7
4.	Percent of butterfat in milk				
5.	Value of produce				
6.	Dairy products sold	\$	1252.91 \$	1604.92	\$ 994.29
7.	Dairy products used in home		6.91	6.42	4.65
8.	Milk fed to livestock		17.83	15.42	15.16
9.	Net increases in value of cows		32.63	221.34	(-76.16)
). ).	Other miscellaneous dairy income				
j. 1.	Total value produced	\$	1310.28 *	1848.10 *	937.94
2.	Pounds of feed fed	Ψ.	±0±0•20		337.37
3.	Corn		4586.1	4364.5	5316.8
۶. 4.	Small grain		386.4	344.8	296.6
5.	Complete ration		460.2	840.0	
5. 5.	Protein, salt & mineral		797 <b>.</b> 9	970.8	1015.7
7 <b>.</b>	Total concentrates		6230.6	6520.1	6629.1
, 3.	Legume hay		5756.4	5706 <b>.</b> 8	6188.0
3. 9.	Other hay & dry roughage		53.6	3,00.0	81.5
9. ).			9381.3	12542.6	8597 <b>.</b> 6
). 1.	Silage Food costs		9301.3	12372.0	000/.0
2.	Feed costs		185.36	175.42	209.86
	Grains		28.01	49.95	202.00
3. 1	Complete ration  Protein (cost/cut fod 17 81)	U jiha Tu	110.18	117.89	125.76
1.	Protein/salt/minr1 (cost/cwt fed 13.81)		126.45	121.39	137.29
5.	All hay & dry roughage	100	73.29	96.00	71.68
j.	Silage		7.22	11.34	6.14
7.	Pasture	ф	530.51	571.99	550.73
3.	Total feed costs	\$		1276.11 *	387.21
9.	Return over feed cost	Ψ	//9.//	12/0.11	307 • 21
).	Other direct costs		60.54	88.47	62.73
•	Miscellaneous livestock expense			26.87	19.62
2.	Veterinary expense		21.81 44.92		35.47
3.	Custom work hired			61.11	20.89
١.	Special hired labor	ф	9.03 136.30	176 AE	138.71
5.	Total other direct costs	\$ \$	643.47 <b>*</b>	176.45 1099.66 *	248.50
j.	Return over feed & other direct costs	ф	043.47 "	1099.00	240.30
	Allocated costs		F	70 47	49.45
3.	Power & machinery costs (PCAF 1.00)		56.39	70.43 51.07	
).	Livestock equipment costs (ECAF 1)		47.35		44.37 70.16
	Building & fences (BCAF 1)	ф	56.52		38.16
L •	Total allocated costs	\$	160.26	196.18	131.98
2.	Return over all listed costs	Ъ	483.21 *	903.48 *	116.52
3.	Supplementary management information		0.46 00	707 10	170 71
١.	Return for \$100 feed fed		246.98	323.10	170.31
5.	Feed cost per cwt. milk		4.70	4.05	6.09
<b>.</b>	Feed cost per pound of butterfat	1	1.30	1.13	1.69
7.	Pounds of milk per pound of concentrate		1.81	2.17	1.36
3.	Average price per cwt. milk sold		11.30	11.51	11.22
).	Average price per pound of butterfat	1	3.13	3.21	3.10
).	Total listed costs per cwt.milk produce	d	7.32	6.68	9.08
Ĺ.	Dairy cow turnover percentage		30.6	28.9	33.6
2.	Total listed costs per cow	\$	827.07 *	\$ 944.62 *	\$ 821.42

Table 13-6310 - Other Dairy/Replacement - 1979

			AVERAGE 49	HIGH 10	LOW 10
1.	Number of head		49.4	33.9	53.2
•		d	Per Head	Per Head	Per Head
2.	Net increase in value	\$	387.37	625.07	207.33
<b>3.</b>	Other miscellaneous income	\$	707 77 *	60F 07 *	207 77 *
4.	Total income	Ф	387 <b>.</b> 37 *	625.07 *	207.33 *
5.	Pounds of feed fed				
6.	Corn		1104.2	694.4	1594.3
7.	Small grain		180.7	267.1	118.3
8.	Complete ration		37.3	85.8	18.5
9.	Protein, salt & minerals		185.3	222.4	242.0
10.	Hay & dry roughage		1988.6	1746.3	1914.2
11.	Silage		4012.3	3472.2	1575.2
12.	Mi1k		115.4	197.7	114.9
13.	Feed cost				현존에는 기업되었다. 홍세 - 10 - 11 교육 - 11
14.	Grains	121 1	47.81	35.31	63.72
15.	Complete ration		3.68	4.28	1.77
16.	Protein, salt & minerals		24.82	27.73	26.20
17.	Hay & dry roughage		41.03	39.56	40.19
18.	Silage		26.31	26.41	11.90
19.	Milk		12.81	22.27	12.11
20.	Pasture		7 <b>.</b> 59	7.32	7.67
21.	Total feed costs	\$	170.29	162.78	163.56
22.	Return over feed costs	\$	217.08 *	462.29 *	43.77 *
23.	Other direct costs			$\gamma_{i,j}$	
24.	Miscellaneous expense		6.90	6.11	7.65
25.	Veterinary expense		3.54	3.10	3.01
26.	Custom work hired		1.60	.59	2.50
27.	Special hired labor				n en la
28.	Total other direct costs	\$	12.04	9.80	13.16
29.	Return over feed & other direct costs	\$	205.04 *	452 <b>.</b> 49 *	30.61 *
30.	Allocated costs				
31.	Power & machinery costs (PCAF 1.00)	siayla diji	10.50	10.49	8.50
32.	Livestock equipment costs (ECAF 1)		9.07	9.81	5.85
33.	Building & fences (BCAF 1)		10.43	11.02	6.70
34.	Total allocated costs	\$	30.00	31.32	21.05
35.	Return over all listed costs	\$	175.04 *	421.17 *	9.56 *
36.	Supplementary management information	,	and the Available		
37.	Return for \$100 feed fed		227.48	384.02	126.77
37 <b>.</b> 38.	Percent death loss - total				50 m
			12.8 30.6	13.0	18.1
39.	Percent calf death loss	ф	30.6	22.2	50.0 4 107 77 *
40.	Total listed costs per head	\$	212.33 * 3	203.90 *	\$ 197.77 *

Table 14 - All Dairy Cattle - 1979

			AVERAGE 49	HIGH 10	LOW 10
1.	Average number of cows		38.8	39.3	41.7
	9		Per Cow	Per Cow	Per Cow
2.	Value of dairy products	\$	1269.95	1567.68	1014.08
<b>3.</b>	Net increase in value		523.32	903.66	207.94
4.	Miscellaneous dairy income		ÿ-ÿ-ÿ-		
5.	Total value produced	\$	1793.27	* 2471.34 <sup>3</sup>	• 1222.02 °
	Total value produced		**************************************		
6.	Pounds of feed fed		2250 O	6070 F	7471 7
7.	Grains		6658.8	6039.5	7431.7
8.	Complete rations		506.9	1429.5	
9.	Protein, salt & minerals, incl. milk	equiv.	1053.8	1174.7	1178.7
0.	Hay & dry roughage		8251.6	7633.6	8754.9
1.	Silage		14365.4	18427.5	11554.0
L2.	Feed cost				
[3.	Grains		248.17	225.62	277.46
4.	Complete rations		32.81	88.14	
5.	Protein, salt & minerals, incl.milk		159.72	161.53	164.24
6.	Hay & dry roughage		177.99	164.33	191.22
7.	Silage		113.99	141.42	95.08
8.	Pasture costs		16.78	18.60	17.87
9.	Total feed costs	\$	749.46	799.64	745.87
0.	Return over feed costs	\$	1043.81	* 1671.70 °	476.15
21.	Other direct costs		en e		
22.	Miscellaneous livestock expense		68.71	110.48	72.25
3.	Veterinary expense		25.98	31.42	20.72
4.	Custom work		46.26	58.09	37.31
5.	Special hired labor		8.94		20.89
6.	Total other direct costs	\$	149.89	199.99	151.17
		na pitra pala		* 1 <i>4</i> 71 71 .	k 724 00 :
7.	Return over feed & other direct cost	5 Ъ	893.92	* 1471.71 ·	* 324.98
8.	Allocated costs				
9.	Power & machinery costs		68.63	86.79	57.45
0.	Livestock equipment costs		57.89	66.48	51.54
1.	Building & fences		68.76	95.85	44.33
2.	Total allocated costs	\$	195.28	249.12	153.32
3.	Return over all listed costs	\$	698.64	<b>*</b> 1222.59	* 171.66
4.	Supplementary management information				
5.	Return for \$100 feed fed	3.435.34	239.28	309.06	163.84
6.	Total listed costs per cow	\$	1094.63		* \$ 1050.36
		1, 1	and the second second second		
	원리 가장이 가지 않는 지방 경험이 강해 없다면 하는 것이 되는 것이 없다면 하는 것이 되었다면 하다.	1.			

Table 14 presents a picture of the costs and returns from the whole dairy herd on a per cow basis. Return above feed cost (table 12) was the factor used to determine these high and low average dairy herds.

Table 15A - 6100 - Beef Breeding Cattle - 1979

		AVERAGE 59	HIGH 12	LOW 12
1. 2. 3.	Average number of beef cows Average number of other beef animals & bull Pounds of beef produced	15028	39.0 22.4 15999	33.1 18.3 6575
4. 5. 6.	Net increase in value \$ Other miscellaneous beef income Total value produced \$	Per Cow 353.65 353.65 *	Per Cow 561.79 561.79 *	Per Cow 181.72 181.72 *
7. 8. 9. 10. 11.	Pounds of feed fed Grain Protein, salt & mineral Legume hay Other hay & dry roughage Silage	174.4 80.4 2725.0 1108.0 4497.6	390.0 50.2 1995.7 1141.9 6225.6	263.8 81.2 3539.3 1803.6 6141.0
13. 14. 15. 16. 17. 18. 19.	Feed cost Grain Protein, salt & mineral Legume hay Other hay & dry roughage Silage Pasture Total feed costs	6.82 10.88 59.95 9.30 34.75 30.09 151.79	14.46 7.15 44.26 10.64 50.21 20.69 147.41	9.76 5.56 80.39 11.39 48.37 25.86 181.33
21.	Return over feed cost \$	201.86 *	414.38 *	. 39 *
22. 23. 24. 25. 26. 27.	Other direct costs Miscellaneous livestock expense Veterinary expense Custom work Special hired labor Total other direct costs  \$	5.83 5.70 2.12 .05 13.70	8.33 8.46 1.41 18.20	4.65 6.86 4.59
28.	Return over feed & other direct costs \$	188.16 *	396 <b>.</b> 18 *	(-15.71)*
29. 30. 31. 32. 33.	Allocated costs  Power & machinery costs (PCAF 1.00)  Livestock equipment costs (ECAF 1)  Building & fences (BCAF 1)  Total allocated costs \$		14.88 13.27 11.02 39.17	
34.	Return over all listed costs \$	137.57 *		(-83.57)*
35. 36. 37. 38. 39. 40. 41. 42.	Supplementary management information Return for \$100 feed fed Price per cwt. sold Price per cwt.calves sold or transferred Average weight per head sold Average weight per calf sold or trans. Percent death loss Percent calf crop Total listed costs per cow	677.8 429.3 5.7 92.1	381.11 76.32 94.65 741.1 440.0 4.3 97.8	100.22 61.62 82.64 754.3 453.2 8.9 91.3

Table 15A includes only those farms with ten or more cows in the beef breeding herd. Net increase in value includes the value of calves sold or transferred to the feed lot.

\*Table 15B Beef Feeders Feedlot - 1979

		50	CALVES 0 1bs./less AVERAGE 52	YEARLINGS 500-700 1bs. AVERAGE 50	TWO YEAR OLDS 700 1bs./more AVERAGE 18
1. 2.	Average number of beef feeders Pounds of beef produced		67.9 43138 Per.Cwt.	181.3 122835 Per Cwt.	142.8 85289 Per Cwt.
3. 4. 5.	Net increase in value of animals Other miscellaneous beef income Total value produced	\$ \$	63.95 63.95 *	50.51 50.51 *	63.00 *
6. 7. 8. 9. 10.	Pounds of feed fed Grain Protein, salt & mineral Legume hay Other hay & dry roughage Silage		501.3 43.7 222.7 21.9 847.1	530.7 51.0 147.7 7.4 936.1	647.4 46.5 124.0 7.2 1077.0
12. 13. 14. 15. 16. 17. 18.	Feed cost Grain Protein, salt & mineral Legume hay Other hay & dry roughage Silage Pasture Total feed cost	\$ \$	18.13 5.52 4.65 .26 6.63 .13 35.32	20.24 5.38 3.16 .07 7.33	24.74 5.94 2.68 .05 8.15 .06 41.62
20.	Return over feed cost	\$	28.63 *	14.33*	21.38 *
21. 22. 23. 24. 25. 26.	Other direct costs Miscellaneous livestock expense Veterinary expense Custom work hired Special hired labor Total other direct costs	\$	.50 .95 .56	.30 .99 1.75 .02 3.06	.78 .79 1.15
27.	Return over feed & other direct co	sts	26.62 *	11.27*	18.66 *
28. 29. 30. 31. 32.	Allocated costs  Power & machinery costs (PCAF 1.  Livestock equipment costs (ECAF  Buildings & fences (BCAF 1)  Total allocated costs		1.07 1.30 1.19 3.56	.93 .96 1.40 3.29	1.09 1.57 1.67 4.33
33.	Return over all listed costs	\$	23.06 *	7.98*	14.33 *
34. 35. 36. 37. 38. 39. 40. 41. 42. 43.	Supplementary management informatic Return for \$100 feed fed Price per cwt.sold Average weight per head sold Price per cwt. bought Average weight per head bought Number of head bought Percent death loss Effective daily gain-pounds/head Total listed cost per cwt.prod	/day	181.06 65.98 973.2 84.37 453.1 69 1.3 1.74 40.89 *	139.60 63.83 1047.8 84.08 597.8 268 1.1 1.86 \$ 42.53*	151.37 64.39 1139.9 78.38 731.3 184 .8 1.64 \$ 48.67 *

Farms producing more than 5,000 lbs.of beef from a cattle feeding enterprise are included in table 15B. This page compares calves, yearlings and two year olds that are purchased to feed out.

16A - 6670 - Sheep Farm - Commercial Flock - 1979

			AVERAGE 15	
1.	Average number of ewes		97.0	
2.	Pounds of lamb & mutton produced		13517	kejak sajar Nama keje kaga.
3.	Pounds of wool produced		993	
			Per Ewe	
4.	Value of produce	4.27		
5.	Woo1	\$	12.32	
6.	Net increase in value of animals		94.54	
7.	Other miscellaneous sheep income			
8.	Total value produced	\$	106.86 *	
9.	Pounds of feed fed		705 H	
10.	Grain		393.7	
11. 12.	Protein, salt & mineral		69.0	
13.	Legume hay		1021.5	
14.	Other hay & dry roughage		24.4	
15.	Silage Feed cost		562.6	
16.	Grain		14,27	odilotel, o konsiler So
17.	Protein, salt & mineral		7.23	
18.	Legume hay		21.52	
19.	Other hay & dry roughage		.48	
20.	Silage		.4.24	
21.	Pasture		1.06	
22.	Total feed costs	\$	48.80	THE ALL SHOP IN
23.	Return over feed costs	\$	58.06 *	A SAMPLE OF THE
		Ψ	20.00	erio de la Carte de la Car La Carte de la
24.	Other direct costs			eenga da
25.	Miscellaneous livestock expense		2.73	
26.	Veterinary expense		1.81	
27.	Custom work		3.42	
28.	Special hired labor			
29.	Total other direct costs	\$	7 <b>.</b> 96	
30.	Return over feed & other direct costs	\$	FO 10 *	
30 <b>.</b>	Return over reed q other direct costs	φ	50.10 *	
31.	Allocated costs			
32.	Power & machinery costs (PCAF 1.00)		7.40	gaji katawa ji sa
33.	Livestock equipment costs (ECAF 1)		5.00	
34.	Building & fences (BCAF 1)		8.85	
35.	Total allocated costs	\$	21.25	en e
36.	Return over all listed costs	\$	28.85 *	
37.	Supplementary management information		and the last	
38.	Return for \$100 feed fed		218.95	
39.	Price per cwt.lamb & mutton sold		59.33	
40.	Price per cwt.lamb sold or transferred		66.10	
41.	Average weight of lambs sold or transferred		107.4	
42.	Pounds of wool per sheep sheared		7.2	•
13.	Number of ewes kept for lambing		108	
14.	Percent lamb crop		136.1	
15.	Percent death loss	ф.	8.2	
16.	Total listed costs per ewe	\$.	78.01 *	

<u>1a</u>	Die 10b - 05/0 Lambs, Feeders - 19/9		AVERAGE 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1. 2.	Average number of lambs		225 <b>.</b> 0	
3.	Pounds of lamb produced Pounds of wool produced		20813	
, J.	rounds or woor produced		Per Cwt.	
4.	Value of produce			
5.	Wool -			
6.	Net increase in value of animals		43.71	
7.	Other miscellaneous lamb income			
8. 9.	Total value produced	\$	43.71 *	
10.	Pounds of feed fed Grain		533.7	마시아 (현실 1일) 등 1일
ίĭ.	Protein, salt & mineral		85.8	
12.	Legume hay		115.6	
13.	Other hay ն dry roughage			
14.	Silage		849.5	
15.	Feed cost			
16.	Grain		19.82	TOTAL PARKET
17. 18.	Protein, salt & mineral Legume hay		9.23	
19.	Other hay & dry roughage		2.60	
20.	Silage		6.37	
21.			.54	
22.	Total feed costs	\$	38.56	
23.	Return over feed cost	\$	5.15 *	
24.	Other direct costs			
25.	Miscellaneous livestock expense		.05	
26.	Veterinary expense		1.79	
27.	Custom work		6.46	
28.	Special hired labor			
29.	Total other direct costs	\$	8.30	
30.	Return over feed & other direct costs	\$	(-3.15)*	
31.	Allocated costs			
32.	Power & machinery costs (PCAF 1.00)		2.61	
33. 34.	Livestock equipment costs (ECAF 1)		1.61	
35 <b>.</b>	Building & fences (BCAF 1) Total allocated costs	\$	2.66 6.88	
55.		Ψ	0.00	
36.	Return over all listed costs	\$	(-10.03) *	
37.	Supplementary management information			
38.	Return for \$100 feed fed		113.37	
39.	Price per cwt. sold		61.82	
40.	Pounds of wool per sheep sheared		- Mindipension - AngleStive	
41.	Average weight of lambs sold		119.0	
42.	Price per cwt. bought		73,21	
43. 44.	Average weight of lambs bought		78.7	
44.	Percent death loss Effective daily gain - pounds/head/da	33 <i>7</i>	1.2 .25	
46.	Total listed costs per cwt. produce		53.74 <b>*</b>	
· 7 -	product		00 T	

Selected Livestock Data - for 330 Farms - 1979

	Feed <u>Cost</u>	Return over Feed Costs	Return per \$100 Feed Fed	Amount of Feed Needed
Cwt.Hogs farrowed to				
finish	25.58	9.71	137.95	419 1bs.
Cwt.Hogs finishing only	23.38	1.72	107.34	407 lbs.
Hogs - Weaning per litter	151.39	121.15	180.02	2145 lbs.
Dairy cow	530.51	779.77	246.98	6230 lbs.conc. 15191 lbs.rough.
Other Dairy	170.29	217.08	227.48	1506 lbs.conc. 6001 lbs.rough.
Beef Cow - calf to weaning	151.79	201.86	233.00	255 1bs.conc. 8330 1bs.rough.
Cwt.Feeder cattle calves purchased	35.32	28.63	181.06	545 lbs.conc. 1092 lbs.rough.
Cwt. Feeder cattle yearlings purchased	36.18	14.33	139.60	582 1bs.conc. 1091 1bs.rough.
Ewe	48.80	58 <b>.</b> 06	218.95	463 lbs.conc. 1609 lbs.rough.
	Ave.price Received	Ave.wt/head mk't.sold	Ave.purchase price paid	Total listed cost
Hogs - farrow to finish	42.27 cwt.	228.9		\$ 32.11/cwt.
Hogs-finishing	41.35 cwt.	226.3	40.87/head	26.92/cwt.
Feeder pigs	38.34/head	44.1		30.24/head
Dairy cow	11.30/cwt.mi	1k		827.07/cow
Beef-calves sold	87.82/cwt.	429.3		216.08/cow
Feeder cattle-calves	65.98/cwt.	973.2	84.37/cwt.	40.89/cwt.
Feeder cattle-yearlings	63.83/cwt.	1047.8	84.08	42.53/cwt.
Ewes - lambs sold	66.10/cwt.	107.4		78.01/ewe

### AVERAGE PRICES FOR 1979 FARM GROWN FEEDS

Grain									
Corn					 	\$	2.10 1.20	per per	bu. bu.
Barley					 	\$	1.65	per	bu.
Mixed grain	• •			• • •	 • •	• •	5-2¢	per	TD•
Нау									
Alfalfa					 	\$4	5.00	per	ton
Alfalfa					 	\$4	0.00	per	ton
MITG	• •		• • •	• •	 	ψJ	3.00	per	COII
Other Roughages									
Corn silage					 	\$1	6.00	per	ton
Grass silage			• • •		 	\$1	4.00 2.50	per per	ton
Grass silage			• • •		 	\$1	4.00 2.50	per per	ton
Grass silage			• • •		 	\$1	4.00 2.50	per per	ton
Grass silage			• • •		 	\$1	4.00 2.50	per per	ton
Grass silage			• • •		 	\$1	4.00 2.50	per per	ton
Grass silage Legume haylage Green crop Oats straw Corn stacks		• • •		• • •	 	\$1	4.00 2.50 5.00 1.25 0.00	per per per per	ton ton ton bale ton
Grass silage Legume haylage Green crop Oats straw Corn stacks		• • •		• • •	 	\$1	4.00 2.50 5.00 1.25 0.00	per per per per	ton ton ton bale ton
Grass silage Legume haylage Green crop Oats straw Corn stacks		• • •		• • •	 	\$1	4.00 2.50 5.00 1.25 0.00	per per per per	ton ton ton bale ton
Grass silage Legume haylage Green crop Oats straw Corn stacks		• • •		• • •	 	\$1	4.00 2.50 5.00 1.25 0.00	per per per per	ton ton ton bale ton

## OTHER NON-CASH COSTS

Unpaid family labor . . . . . \$20.00 per day
Board furnished hired labor . . \$ 5.00 per day
Second operator's labor . . . \$800.00 per month
Interest on farm capital 7%

#### EXPLANATION OF WORK UNITS AND ANIMAL UNITS

The total "work units" for any one farm is a measure of the size of that farm business. A work unit as used in this report is the average accomplishment of a farm worker, in a ten hour day, working on crops and productive livestock at an average efficiency. The number of work units for each class of livestock and each acre of crop are presented below.

UNITS FOR EACH CLASS OF LIVESTOCK & EACH ACRE OF CROP

Item	No. of Work Units	Item	No.of Work Units/Acre
Dairy Cows Other Dairy Cattle Beef Breeding Cows Beef Feeders Hogs - Complete Hogs - Finishing Hogs - Wean. pigs Sheep, Farm Flock Lambs, Feeder Chickens, Laying Flock Broilers Labor off the Farm	7.0/cow 1.2 head* 1.5/head .12/cwt12/cwt06/cwt. 1.4/litter .60/head .30/cwt. 5.0/100 .20/cwt. 1.0/\$20	Barley, Wheat, Oats, Rye Flax Oat Silage Corn for Seed Corn for Grain Soybeans Corn & Cane Silage Alfalfa Hay Other Leg. & Mix. Hay Tame Grass Hay Annual Hay Tillable land - Idle Sorghum for grain Sunflowers	.30/acre .30/acre .40/acre .60/acre .55/acre .45/acre .60/acre .60/acre .40/acre .20/acre .30/acre .05/acre .50/acre

<sup>\*</sup>One animal unit represents: one dairy cow or bull, two other dairy cattle, 1-1/4 beef cows or bulls, 1 feeder steer or heifer, 3-1/3 other beef cattle, 7 sheep, 14 lambs, 2-1/2 hogs, 5 pigs or 50 hens.

(41)
SELECTED FARM MANAGEMENT DATA - 1975-79

	1975	1976	1977	1978	1979
Farm size	398	406	413	417	414
Labor earnings (whole farm)	17550	3012	18241	39054	7706
Return to capital & family labor	22378	11698	23442	48038	21102
Aver.investment/farm business	329186	372861	388344	486911	542965
Cash sales/farm bus.(T2A-37)	97819	103017	96581	134493	149526
Cash expense/farm business (T2B-39)	75817	91412	83702	113674	144959
Expenses/dollar of income (T5-28)	.86	.97	.85	.78	.94
Ratio of assets to liabilities					
(T5-L29)	3.16:1	2.68:1	2.42:1	2.55:1	2.27:1
Gain in net worth (T5-L16)	12062	2678	14827	37007	11457
Size of business (work units) (T1-L6)	371	381	365	385	396
Tractor & crop mach.expense					
per crop acre (T8-L-41)	29.45	28.03	29.07	34.27	41.27
SOURCE OF INCOME CASH RECEIPTS					
Income from livestock	60%	61%	55%	59%	62%
Income from crops	35%	32%	38%	35%	32%
Miscellaneous farm income	5%	7%	7%	6%	6%
FAMILY LIVING EXPENSES					
Per year (T4-L23)	12876	14780	14796	16767	20610
Per month	1073	1231	1233	1397	1718

	1975	1976	1977	1978	1979
Return Above Feed Cost Per:					
Dairy cow	242	421	501	710	780
Beef cow	(-43)	(-6)	17	297	202
Cwt.feeder cattle produced	13.25	(-1.25)	2.07	30.00	28.63
Cwt. hogs produced	24.57	12.65	17.19	28.88	9.71
Cwt. feeder lambs produced	28.91	24.91	** ***	39.34	5.15
Ewe	(-13.63)	(-2.57)	29.44	36.10	58.06
Yield Per Acre					
Corn, bu.	77.4	57.0	98.1	113.2	104.8
Soybeans, bu.	34.5	23.4	36.4	41.3	32.6
Flax, bu.	14.7	12.0	19.5	19.8	19.5
Oats, bu.	70.4	50.6	74.7	57.3	55.0
Corn silage, ton	11.4	6.5	13.4	15.1	15.7
Alfalfa, ton	3.4	2.4	3.3	4.3	4.6
Wheat, bu.	36.9	38.7	48.8	26.2	28.7
Sunflowers, cwts.			13.1	24.1	12.1
Return Over Total Costs Per Acre					
Corn	44.89	(-4.68)	30.96	32.08	19.82
Soybeans	69.86	34.61	36.3	130.32	57.29
Flax	48.04	17.82	16.66	31.05	35.65
Oats	41.56	8.00	1.61	(-13.37)	(-10.88)
Corn silage	67.61	(-9.13)	50.28	68.67	85.01
Alfalfa	95.96	52.86	47.65	42.20	36.11
Wheat	72.84	44.72	18.80	(-26.52)	9.01
Sunflowers	7 mp - 0.m	600 FTM 600	(-18.03)	74.27	(-10.70)

#### SETTING GOALS

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

Sitting down as an operator or husband and wife and putting these wants in writing is done in one of the early classes in the adult farm management education program.

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

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

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

4-1-80

# WHAT DOES YOUR FAMILY WANT?

Name <u>John Jones Family</u>		_ Date	4-1-80	
Address Anywhere, Minnesota				
One of the steps for improving the what is wanted. You may know of it takes considerable thought and upon what is most important and where down your goals for this year order of priority.	things you have we discussion among ich things come	wanted as g family first.	a famil members As a fam	y, but to agree ilv.
		This ye	ar	Later
FOR A PROFITABLE FARM BUSINESS:	alam e gazetagar	as.		
Buy a new tractor to replace old 3	John Deere 4010	bookersto	1.12 January 1972 1972	
Raise the production of the dairy 500 lbs. milk per cow.	herd by	home	POST (Alleger (paste) 1960)	ı
Raise the production of the dairy 11000 lbs. to 15000 lbs. per co	herd from w in 10 yrs.			Lancard Contract of the Contra
Increase hay yield by 1 ton/acre i	n 3 yrs.	1	STEEL STAN	Contraction of the Contraction o
FOR SATISFYING LIVING:			ACTIVICATE PARTICIPATION OF THE PARTICIPATION OF TH	
Install kitchen cabinets.	A Part of the Part	Lamana and a		
Build new family room on west side	of house.	la l		
Paint exterior of home.		Lorenteen		
Landscape yard.	LECTION OF THE PROPERTY.			September 1
FOR DEVELOPMENT OF FAMILY MEMBERS:			THE PROPERTY OF THE PROPERTY O	
Provide opportunity for son, Dave, college in two years.	to attend		Approximate No.	ALEXANDER NO.
Provide money for Dad to attend Na Convention for a week this wint	tional er.	Server and the server		
Provide time and money for Dan to this summer.	attend camp	Contraction of the Contraction o	COSSMENS CHARLES CHARL	
OR LONG-TERM FINANCIAL SECURITY:		. and desired	\$ CF	
mprove net worth by 10%/year	A STANCE OF THE	<b>L</b> urer	ARTICULAR DE LA COMPANSION DE LA COMPANS	September 1