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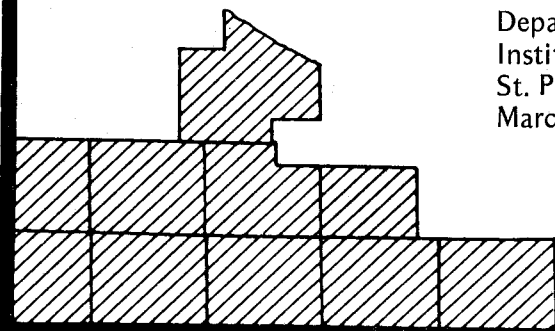
annual report

Southwestern Minnesota Farm Management Association

COOPERATING AGENCIES:

University of Minnesota, Institute of Agriculture
County Extension Services of the 10 Southwestern Counties
Southwestern Minnesota Farm Management Association

Economic Report ER80-1
Department of Agricultural & Applied Economics
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1979 ANNUAL REPORT OF THE SOUTHWESTERN MINNESOTA

FARM MANAGEMENT ASSOCIATION

by

Delane E. Welsch, Erlin Weness, and Perry Fales*

INTRODUCTION

The Department of Agricultural and Applied Economics and the Agricultural Extension Service of the University of Minnesota, and the Agricultural Extension Agents of several southwestern Minnesota counties are cooperating with the Southwestern Minnesota Farm Management Association in maintaining a farm management service. The Association was organized in the fall of 1939 by farmers in that part of the state for the purpose of studying the farm business through farm records. Each farmer pays an annual fee which covers a large part of the cost, with the balance defrayed by the Agricultural Extension and Research programs of the University of Minnesota. The analysis of the records and the preparation of the report are handled by the Department of Agricultural and Applied Economics under the direction of Delane E. Welsch. Erlin Weness and Perry Fales are the fieldmen for this project. Paul Hasbargen is the Extension Economist in Farm Management working closely with this Association. Arnold Sandager is the District Director of Agricultural Extension for the counties which are served by the Association.

Of the 204 farms in the Southwestern Association, 183 submitted records at the time of this report. The data for 179 farms are shown in the tables on succeeding pages. The rest were omitted from the information in the tables because the records were not sufficiently complete for a full analysis. No claim is made as to whether the farmers who belong to the Association are or are not representative of southwestern Minnesota. However, this report should be of value to farmers and others interested in agriculture in that it illustrates how farm records may be used as a basis for making an analysis of a farm business. It also shows typical enterprise costs and returns for 1979 and the variation in enterprise earnings as well as in total farm earnings.

The content of this report is somewhat different from those prior to 1977. While the roots of the analysis lie in the work of the Department of Agricultural and Applied Economics and its predecessor units over the past 60 years, the more detailed analysis found in this report was developed by Professor Edgar Persons of the University of Minnesota. This analysis is also used by Vocational Agriculture Adult Farm Business Management Education classes throughout Minnesota and in some other states. The computer work was done by Specialized Data Systems, Inc., Madison, Wisconsin.

*Welsch is Professor of Farm Management, Weness and Fales are jointly Area Farm Management Extension Agents and Fieldmen for the Association. The authors wish to thank the following people for their contributions to this report: Keith Engen, Alan Langseth, Kendall Langseth, Gene Metz, Tom Peterson, Alan Showman, and Lynn and Ronald Van Nurden for their assistance in account book closing and coding; Paul Friesen, David Schoeder, Bernadette Sloom, and JoAnn Smykalski for their review of the analyses and correction of errors; Paul Hasbargen and Ken Thomas for much helpful advice; and Carol Hansen and Eileen Miley for all of their secretarial and clerical work throughout the project, and especially for putting this report together.

SOUTHWESTERN MINNESOTA FARM MANAGEMENT ASSOCIATION

DISTRIBUTION OF MEMBERSHIP

1979

County	Number of Members	Number Submit Records	Association Directors	County Extension Directors
Cottonwood	31	29	Norris Mattison DuWayne Falk	Darrell D. Anderson
Faribault	11	9	Randy Peter	Henry C. Bollum
Jackson	24	21	William Fest Robert Untiedt, Vice-President Dave Stegemann	Roger A. Lind
Martin	13	13	Keith Worthley	Floyd H. Bellin, Jr.
Murray	23	23	Tom Keller Leo McBeth	Rueben M. Boxrud
Nobles	39	35	John Widboom, Pres. M. J. Fellows, Sec.-Treas. Steven Hansberger Robert Koehler	Arthur R. Frame
Pipestone	15	15	Peter Boer Arthur Spronk	Robert E. Fritz
Redwood	28	26	Richard VanHecke E. W. Runck	Larry Mulder
Watonwan	11	10	Merlyn Froslan	John I. Ankeny
Others	<u>9</u>	<u>2</u>		
Total	204	183		

1979 ANNUAL REPORT OF THE SOUTHWESTERN MINNESOTA

FARM MANAGEMENT ASSOCIATION

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TABLE 1. FARM INVENTORIES - 1979 - S.W.

ITEMS	Average of 179 Farms	
1 SIZE OF FARM-TOTAL ACRES	526.7	
2 -TILLABLE ACRES	472.8	
3 WORK UNITS-CROPS	233.00	
4 -LIVESTOCK	289.67	
5 -OTHER	25.64	
6 TOTAL SIZE OF BUSINESS IN WORK UNITS	548.32	
7 NUMBER OF WORKERS	1.94	
8 FARM CAPITAL INVESTMENT PER WORKER	\$ 633,124	
	JAN. 1	DEC. 31
9 PRODUCTIVE LIVESTOCK		
10 DAIRY COWS	\$ 3,266	\$ 3,323
11 OTHER DAIRY CATTLE	2,558	2,713
12 BEEF BREEDING CATTLE	4,997	5,713
13 BEEF FEEDER CATTLE	42,253	50,671
14 HOGS	21,300	17,460
15 SHEEP (INCLUDING FEEDERS) & GOATS	278	409
16 POULTRY - ALL TYPES	882	377
17 OTHER LIVESTOCK	52	63
18 TOTAL PRODUCTIVE LIVESTOCK	\$ 75,586	\$ 80,729
19 CROP, SEED AND FEED	83,975	88,079
20 POWER, MACHINERY AND EQUIPMENT		
21 AUTO & TRUCK (FARM SHARE)	\$ 5,514	\$ 6,402
22 POWER & MACHINERY	38,020	44,203
23 IRRIGATION EQUIPMENT		
24 CUSTOM WORK EQUIPMENT		
25 LIVESTOCK EQUIPMENT	8,488	10,690
26 TOTAL POWER, MACHINERY & EQUIPMENT	\$ 52,022	\$ 61,294
27 LAND	908,388	913,950
28 BUILDINGS-FENCES-ETC.	54,685	64,407
29 TOTAL FARM CAPITAL	\$1,174,656	\$1,208,458
30 INCREASE OR DECREASE IN TOTAL FARM CAPITAL		\$ 33,802

TABLE 1 shows the beginning and end of year inventories of farm capital. These inventories include both the value of the operator's assets as well as the land-lord's in the case of rented assets. (TABLE 5 shows only the operator's share of farm capital.) Prices of Productive Livestock, and Crop, Seed and Feed reflect the physical amounts on hand at the beginning and end of year multiplied by a conservative market price at the time. Power, Machinery, and Equipment are priced at cost less depreciation. In previous annual reports, land was priced at cost basis. However, in this report of 1979, land was priced at conservative market prices, which are shown on page 15 by county. On each farm, the same land price is used for both January 1 and December 31. (See further comments on TABLE 5.) Measures of farm size other than total farm capital are shown in lines 1 through 7. The concept of Work Units is discussed on page 14. The number of workers shown on line 7 includes operator(s), hired labor, unpaid family labor, and the labor portion of custom work hired.

TABLE 1. FARM INVENTORIES - 1979 (CONT.) - S.W.

ITEMS	36 Most*	36 Least*		
	Profitable Farms	Profitable Farms		
1 SIZE OF FARM-TOTAL ACRES	492.6	739.4		
2 -TILLABLE ACRES	432.7	669.2		
3 WORK UNITS-CROPS	216.59	329.18		
4 -LIVESTOCK	417.20	305.18		
5 -OTHER	28.27	13.24		
6 TOTAL SIZE OF BUSINESS IN WORK UNITS	662.06	647.59		
7 NUMBER OF WORKERS	1.87	2.47		
8 FARM CAPITAL INVESTMENT PER WORKER	\$532,106	\$758,714		
	JAN. 1	DEC. 31	JAN. 1	DEC. 31
9 PRODUCTIVE LIVESTOCK				
10 DAIRY COWS	\$ 8,155	\$ 9,434	\$ 722	\$ 867
11 OTHER DAIRY CATTLE	5,659	6,409	944	718
12 BEEF BREEDING CATTLE	3,646	5,002	9,574	9,780
13 BEEF FEEDER CATTLE	33,916	39,303	75,221	96,881
14 HOGS	14,370	13,745	27,754	23,137
15 SHEEP (INCLUDING FEEDERS & GOATS)	189	184	115	847
16 POULTRY-ALL TYPES	4,176	1,658		
17 OTHER LIVESTOCK				
18 TOTAL PRODUCTIVE LIVESTOCK	\$ 70,110	\$ 75,734	\$ 114,329	\$ 132,230
19 CROP, SEED & FEED	71,031	84,783	133,478	123,172
20 POWER, MACHINERY & EQUIPMENT				
21 AUTO AND TRUCK (FARM SHARE)	\$ 3,772	\$ 4,991	\$ 6,803	\$ 6,328
22 POWER AND MACHINERY	33,006	40,193	55,247	60,228
23 IRRIGATION EQUIPMENT				
24 CUSTOM WORK EQUIPMENT				
25 LIVESTOCK EQUIPMENT	6,806	8,482	15,187	20,195
26 TOTAL POWER, MACHINERY & EQUIPMENT	\$ 43,583	53,667	\$ 77,237	\$ 86,751
27 LAND	714,113	714,644	1,322,456	1,329,192
28 BUILDINGS-FENCES-ETC.	56,158	66,615	75,389	96,672
29 TOTAL FARM CAPITAL	\$954,996	\$995,442	\$1,722,890	\$1,768,016
30 INCREASE OR DECREASE IN TOTAL FARM CAPITAL		\$ 40,446		\$ 45,126

*ALL FARMS ARE SORTED INTO HIGH AND LOW CATEGORIES BASED ON SIZE OF LABOR EARNINGS. FOR TABLES 1, 2A, 2B, 3, 8, and 9, THIS IS ON WHOLE FARM BASIS, TAKEN FROM TABLE 2B, LINE 46. FOR TABLES 4, 5, 6A and 6B, THIS IS ON OPERATIONS SHARE BASIS, TAKEN FROM TABLE 6B, LINE 47.

TABLE 2A. TOTAL FARM RECEIPTS - 1979 S.W.

ITEMS	Average of 179 Farms	36 Most Profitable Farms	36 Least Profitable Farms
1 SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS			
2 DAIRY COWS	\$ 1,277	\$ 2,604	\$ 192
3 DAIRY PRODUCTS	8,891	24,632	2,519
4 OTHER DAIRY CATTLE	1,561	2,367	565
5 BEEF BREEDING CATTLE	1,375	1,284	2,134
6 BEEF FEEDER CATTLE	77,130	60,663	147,518
7 HOGS COMPLETE AND MIXED	36,522	35,596	48,991
8 HOGS FINISHING	6,587	744	6,957
9 HOGS PRODUCING WEANING PIGS	1,320	1,440	541
10 SHEEP, GOATS AND WOOL, FARM FLOCK	385	117	484
11 SHEEP AND WOOL, FEEDER LAMBS	3		
12 CHICKENS (INCL. HENS AND BROILERS)	175	2	
13 TURKEYS	3,340	16,606	
14 EGGS	2,557	10,625	
15 OTHER PRODUCTIVE LIVESTOCK AND PRODUCTS	114	28	
16 OTHER MISC. LIVESTOCK INCOME			
17 TOTAL LIVESTOCK SALES	\$141,237	\$156,708	\$209,901
18 SALE OF CROPS			
19 WHEAT	1,160	3,560	594
19A DURUM			
20 OTHER SMALL GRAINS	822	463	870
21 CORN	22,827	14,492	25,178
22 SOYBEANS	39,854	33,137	52,350
22A SUNFLOWERS	2	9	
23 OTHER ROW CROPS	613	958	1,399
24 LEGUMES AND OTHER FORAGE	399	1,015	194
25 GRASS SEED			
26 FRUITS AND NUTS			
27 VEG. ROADSIDE MARKET AND SPECIALTY			
28 NURSERY, TIMBER AND OTHER			
29 SET ASIDE ACRES-GOVERNMENT PAYMENTS	217	40	484
30 TOTAL CROP SALES	\$ 65,895	\$ 53,675	\$ 81,068
31 CAPITAL ASSETS SOLD	664	1,927	484
32 GAS TAX REFUND	203	131	287
33 INCOME FROM WORK OFF THE FARM	1,816	1,401	1,123
34 CUSTOM WORK ENTERPRISE INCOME			
35 PATRONAGE REFUNDS	1,452	1,458	1,666
36 MISCELLANEOUS FARM INCOME	2,923	2,571	3,831
37 TOTAL FARM SALES	\$214,191	\$217,870	\$298,361
38 INCREASE IN FARM CAPITAL	33,803	40,446	45,127
39 FAMILY LIVING FROM THE FARM	567	590	662
40 TOTAL FARM RECEIPTS (37)+(38)+(39)	\$255,090	\$262,098	\$358,002

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.

TABLE 2B. TOTAL FARM EXPENSES AND LABOR AND MANAGEMENT EARNINGS - 1979 S.W.

ITEMS	Average of 179 Farms	36 Most Profitable Farms	36 Least Profitable Farms
1 PURCHASE OF LIVESTOCK			
2 DAIRY COWS	\$ 162	\$ 808	
3 OTHER DAIRY CATTLE	437	674	
4 BEEF BREEDING CATTLE	640		\$ 1,202
5 BEEF FEEDER CATTLE	54,787	37,997	116,960
6 HOGS COMPLETE AND MIXED	1,509	1,023	2,615
7 HOGS FINISHING	2,850	273	3,447
8 HOGS PRODUCING WEANING PIGS	116	104	63
9 SHEEP AND GOATS	174		727
10 SHEEP, FEEDER LAMBS			
11 CHICKENS, (INCL. HENS AND BROILERS)	134	8	
12 TURKEYS	551	2,741	
13 OTHER PRODUCTIVE LIVESTOCK	32	72	
14 MISCELLANEOUS LIVESTOCK EXPENSE	3,821	5,299	3,651
15 FEED BOUGHT	27,095	36,178	32,256
16 FERTILIZER	8,044	5,970	10,413
17 CHEMICALS	5,251	4,257	7,689
18 OTHER CROP EXPENSE	7,619	6,660	8,715
19 IRRIGATION OPERATION COSTS			
20 CUSTOM WORK ENTERPRISE OPERATOR COSTS, INCL. LABOR			
21 CUSTOM WORK HIRED	3,648	4,077	4,088
22 REPAIR + UPKEEP OF LIVESTOCK EQUIPMENT	1,640	1,720	2,357
23 REPAIR + UPKEEP OF FARM REAL ESTATE	1,738	1,327	2,390
24 GAS, OIL, GREASE BOUGHT (FARM SHARE)	5,574	4,623	7,718
25 REPAIR + OPERATION OF MACH., TRACTOR, TRUCK AND AUTO	5,637	4,912	7,698
26 REPAIR + UPKEEP OF IRRIGATION EQUIPMENT			
27 REPAIRS, CUSTOM WORK ENTERPRISE			
28 WAGES OF HIRED LABOR	4,720	3,266	9,548
29 PERSONAL PROPERTY + REAL ESTATE TAXES	4,738	4,072	6,342
30 GENERAL FARM EXPENSE	2,035	1,663	2,807
31 TELEPHONE EXPENSE (FARM SHARE)	284	209	380
32 ELECTRICITY EXPENSE (FARM SHARE)	1,326	1,328	1,673
33 TOTAL CASH OPERATING EXPENSE	\$ 144,562	\$129,262	\$ 232,738
34 POWER, CROP AND GENERAL MACHINERY BOUGHT (FARM SHARE)	\$ 20,704	\$ 20,341	\$ 23,722
35 IRRIGATION EQUIPMENT BOUGHT			
36 CUSTOM WORK EQUIPMENT BOUGHT			
37 LIVESTOCK EQUIPMENT BOUGHT	4,390	3,590	8,343
38 NEW REAL ESTATE + IMPROVEMENT	25,459	17,430	59,398
39 TOTAL FARM PURCHASES (33) THRU (38)	\$ 195,115	\$170,622	\$ 324,202
40 DECREASE IN FARM CAPITAL	\$	\$	\$
41 INTEREST ON FARM CAPITAL	83,409	68,265	122,182
42 UNPAID FAMILY LABOR	1,117	890	1,280
43 LABOR CHARGE FOR PARTNERS + OTHER OPERATORS	2,844	3,750	4,417
44 BOARD FURNISHED HIRED LABOR	264	170	505
45 TOTAL FARM EXPENSE (39) THRU (44)	\$ 282,749	\$243,697	\$ 452,586
46 RETURN TO OPER. LABOR & MGMT.-SINGLE OPER. (WHOLE FARM) (2A/40)-(45)	\$(-34,189)	\$ 15,210	\$(-108,437)
See page 14 for explanation of lines 46 and 49			
48 FULL-TIME OPERATOR EQUIVALENTS	1.21	1.29	1.33
49 RETURN TO OPER. LABOR & MGMT./FULL-TIME OPER. EQUIVALENT	\$(-29,522)	\$ 14,760	\$ (-93,369)

TABLE 3. ENTERPRISE STATEMENT - 1979 S.W.

ITEMS	Average of 179 Farms	36 Most Profitable Farms	36 Least Profitable Farms
1 RETURNS AND NET INCREASES			
2 PRODUCTIVE LIVESTOCK			
3 DAIRY COWS	\$ 9,117	\$ 25,335	\$ 2,658
4 OTHER DAIRY CATTLE	2,702	6,310	667
5 BEEF BREEDING CATTLE	3,192	3,874	5,548
6 FEEDER CATTLE	29,104	26,136	48,299
7 HOGS, COMPLETE AND MIXED	31,394	34,023	41,063
8 HOG FINISHING ENTERPRISE	3,285	470	3,819
9 HOGS PRODUCING WEANING PIGS	1,530	1,344	992
10 SHEEP AND GOATS	347	113	493
11 SHEEP, FEEDER LAMBS	1		
12 CHICKENS (INCL. HENS AND BROILERS)	2,205	8,644	
13 TURKEYS	2,635	13,101	
14 OTHER PRODUCTIVE LIVESTOCK	138	178	
15 TOTAL ALL PRODUCTIVE LIVESTOCK	\$ 85,650	\$119,526	\$ 103,539
16 VALUE OF FEED FED TO LIVESTOCK	56,275	65,262	76,991
17 RETURN OVER FEED FROM LIVESTOCK	29,375	54,264	26,548
18 CROP, SEED AND FEED	78,169	79,321	88,591
19 COOPERATIVE PATRONAGE REFUNDS	1,452	1,458	1,666
20 MISCELLANEOUS FARM INCOME	2,923	2,571	3,831
21 CUSTOM WORK ENTERPRISE			
22 TOTAL RETURNS AND NET INCREASES	\$ 111,919	\$137,614	\$ 120,637
23 EXPENSES AND NET DECREASES			
24 TRUCK AND AUTO (FARM SHARE)	\$ 4,875	\$ 4,087	\$ 6,226
25 TRACTORS AND CROP MACHINERY	21,232	19,445	30,152
26 IRRIGATION EQUIPMENT			
27 ELECTRICITY	1,326	1,328	1,673
28 LIVESTOCK EQUIPMENT	4,105	4,059	5,859
29 BUILDINGS, FENCES AND TILING	7,355	6,075	12,031
30 BARE LAND	4,069		21,368
31 MISC. LIVESTOCK EXPENSE	3,821	5,299	3,651
32 LABOR	6,016	4,151	11,985
33 LABOR CHARGE FOR OTHER OPERATOR(S)	2,844	3,750	4,417
34 PROPERTY TAX	4,738	4,072	6,342
35 GENERAL FARM EXPENSE AND TELEPHONE	2,319	1,872	3,188
36 INTEREST ON FARM CAPITAL	83,409	68,265	122,182
37 TOTAL EXPENSES AND NET DECREASES	\$ 146,108	\$122,404	\$ 229,073
38 RETURN TO OPERATORS LABOR AND MANAGEMENT	\$(-34,189)	\$ 15,210	\$(-108,437)

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.

TABLE 4. HOUSEHOLD & PERSONAL EXPENSE AND FAMILY LIVING FROM THE FARM - 1979 - S.W.

ITEMS	Average of 79 Farms	9 Most Profitable Farms	18 Least Profitable Farms
1 NUMBER OF PERSONS - FAMILY	4	4	4
2 NUMBER OF ADULT EQUIVALENT - FAMILY	3.1	2.8	3.6
3 CHURCH AND WELFARE	\$ 1,306	\$ 659	\$ 1,909
4 MEDICAL CARE AND HEALTH INSURANCE	1,507	1,038	1,983
5 FOOD AND MEALS BOUGHT	3,122	2,899	3,559
6 OPERATING EXPENSE AND SUPPLIES	1,070	831	1,052
7 FURNISHINGS AND EQUIPMENT	1,327	1,148	1,661
8 CLOTHING AND CLOTHING MATERIALS	1,186	1,041	1,424
9 PERSONAL CARE, PERSONAL SPENDING	502	291	704
10 EDUCATION	238	133	275
11 RECREATION	875	893	659
12 GIFTS AND SPECIAL EVENTS	790	554	1,095
13 PERSONAL SHARE TRUCK AND AUTO EXP.	901	651	1,170
14 OPER. SHARE UPKEEP ON DWELLING	551	318	821
14A CASH RENT - PERSONAL			
15 PERSONAL SHARE TEL. AND ELECT. EXP.	465	407	512
15A PERSONAL SHARE - GEN. FARM EXPENSE	42	33	59
16 TOTAL CASH LIVING EXPENSE	\$13,882	\$10,898	\$16,884
17 PERS. SHARE NEW TRUCK AND AUTO	1,163	694	1,518
18 NEW DWELLING BOUGHT	1,854	3,333	1,797
19 TAXES AND OTHER DEDUCTIONS	5,441	4,354	7,260
20 LIFE INSURANCE AND OTHER SAVINGS & INVEST.	9,159	734	7,443
21 TOTAL HOUSEHOLD AND PERSONAL (16)-(20)	\$31,498	\$20,014	\$34,902
22 TOTAL FAMILY LIVING FROM THE FARM (33)	583	798	700
23 TOTAL CASH & NON-CASH EXPENSES (21)+(22)	\$32,082	\$20,812	\$35,602
24 FAMILY LIVING FROM THE FARM			
25	QUANTITY	QUANTITY	QUANTITY
26 MILK AND CREAM (QUARTS)	81	243	
27 BEEF AND BUFFALO (POUNDS)	696	983	945
28 PORK (POUNDS)	255	312	197
29 POULTRY, ALL FOWL (POUNDS)	1		
30 EGGS (DOZEN)	7		
31 TOTAL FAMILY LIVING FROM THE FARM	\$ 583	\$ 798	\$ 700

TABLE 4 reports the cash and non-cash expenses of the farm operator's household. Averages include only those members who kept household and personal accounts complete enough to include at least line 5 (food and meals bought). As a result, only 79 out of 179 farms were included in the averages. Accurate household and personal accounts are important if a family is to manage its financial affairs wisely and be able to check the accuracy of their financial account at the end of the year. If the family is unable or unwilling to keep accurate household records, than a household checking account separate from the farm checking account might be used.

TABLE 5. OPERATOR'S NET WORTH STATEMENT AND SUPPLEMENTARY FINANCIAL INFO. - 1979 - S.W.

ITEMS	Average of 132 Farms	
	Jan. 1	Dec. 31
1 TOTAL PRODUCTIVE LIVESTOCK	\$ 62,220	\$ 67,774
2 CROP, SEED AND FEED	74,043	79,285
3 TOTAL POWER, MACHINERY AND EQUIPMENT	45,650	56,358
4 LAND (ACRES OWNED 225.6) (TILLABLE 196.2)	385,444	393,186
5 BUILDINGS, FENCES, ETC.	46,960	55,925
6 TOTAL FARM CAPITAL	\$614,318	\$652,528
7 NON-FARM ASSETS	\$ 52,123	\$ 61,026
7A CASH ON HAND & IN BANK	6,807	6,998
8 DWELLING	16,363	18,966
9 TOTAL ASSETS	\$689,611	\$739,517
10 REAL ESTATE MORTGAGES	68,159	85,472
11 CHATTEL MORTGAGES	46,053	60,173
12 NOTES	25,936	29,057
13 ACCOUNTS PAYABLE	6,140	8,547
TOTAL LIABILITIES	\$146,288	\$183,249
15 FARMERS NET WORTH	\$543,322	\$556,268
16 GAIN (OR LOSS) IN NET WORTH		\$ 12,946
17 SUPPLEMENTARY FINANCIAL MANAGEMENT INFORMATION		
18 RETURN TO OPERATORS LABOR & MANAGEMENT (6B/47)	\$(-5,656)	
19 RETURN TO CAPITAL AND FAMILY LABOR (6B/48)	28,492	
20 NON-FARM INCOME		
21 OUTSIDE INVESTMENT INCOME	939	
22 OTHER PERSONAL INCOME & INCOME TAX REFUND	3,455	
22A SALE OF PERSONAL SHARE - DWELLING, AUTO & TRUCK	135	
23 TOTAL NON-FARM INCOME	\$ 4,530	
24 TOTAL FAMILY FARM AND NON-FARM INCOME	\$ 33,022	
25 TOTAL MONEY BORROWED	\$125,732	
26 TOTAL PAID ON DEBT (PRINCIPAL)	\$ 91,506	
27 TOTAL HOUSEHOLD + PERSONAL CASH/NON-CASH EXP (4/23)	\$ 25,589	
28 RATIO TOTAL FARM EXP TO TOTAL FARM RCPTS OPER SHARE	1.025	
29 RATIO TOTAL ASSETS TO TOTAL LIABILITIES	JAN. 1	DEC. 31
30 RATIO NON-REAL EST. ASSETS TO NON-REAL EST. LIAB.	4.714	4.036
31 RATIO REAL EST. ASSETS TO REAL EST. LIAB.	3.083	2.776
32 RATIO NET WORTH TO TOTAL LIABILITIES	6.584	5.476
33 RATIO CASH OPER. EXP. TO ADJ. TOTAL FARM SALES (O.S.)	3.714	3.036
34 RATIO TOTAL FARM RECEIPTS TO AVG. FARM CAPITAL (W.F.)		.796
35 RATIO TOTAL FARM RECEIPTS TO AVG. FARM CAPITAL (O.S.)		.211
		.354

TABLE 5 reports the assets, liabilities and resultant net worth position of the farm operator at the beginning and end of the year. (This asset list differs from TABLE 1 in that it includes the operator's non-farm assets and excludes the landlord's share of farm assets.) It also shows the change in net worth, or the growth in operator's equity (owned capital) during the year. Note that this TABLE 5 does not include addition to net worth resulting from appreciation in land values during the year, i.e., the same conservative market price per acre was assigned to both the beginning and ending inventories of land. All other assets, such as machinery, equipment, buildings, etc., are priced at cost basis minus depreciation, which does not take into consideration price appreciation due to inflation (continued next page)

TABLE 5. OPERATOR'S NET WORTH STATEMENT AND SUPP. FINANCIAL INFO. - 1979 (CONT.) - S.W.

ITEMS	26 Most		23 Least	
	Profitable Farms		Profitable Farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1 TOTAL PROD. LIVESTOCK	\$ 75,415	\$ 80,806	\$ 71,508	\$ 85,758
2 CROP, SEED AND FEED	65,651	85,776	107,576	99,727
3 TOT PWR MACH EQUIP	45,631	59,315	68,489	81,097
4* LAND	131,188	145,670	836,858	852,250
5 BLDG FENCES TILE, ETC.	33,362	42,414	62,763	78,687
6 TOTAL FARM CAPITAL	\$351,247	\$413,981	\$1,147,195	\$1,197,519
7 NON-FARM ASSETS	\$ 24,003	\$ 24,841	\$ 57,363	\$ 57,718
7A CASH ON HAND & IN BANK	2,444	2,125	8,447	7,758
8 DWELLING	9,967	13,812	27,510	29,378
9 TOTAL ASSETS	\$387,661	\$454,759	\$1,240,515	\$1,292,372
10 REAL EST. MORTGAGES	37,684	49,134	134,615	171,579
11 CHATTEL MORTGAGES	65,563	81,862	62,256	88,259
12 NOTES	17,727	18,533	41,277	41,181
13 ACCOUNTS PAYABLE	3,051	4,969	2,847	2,348
14 TOTAL LIABILITIES	\$124,025	\$154,498	\$ 240,994	\$ 303,367
15 FARMERS NET WORTH	\$263,636	\$300,261	\$ 999,520	\$ 989,006
16 GAIN (LOSS) NET WORTH		\$ 36,625		\$ (-10,515)
17 SUPPLEMENTARY FINANCIAL INFORMATION				
18 RT OP LAB MGMT 6B/47	\$ 41,668		\$ (-56,054)	
19 RT CAP FAM LAB 6B/48	60,379		9,153	
20 NON-FARM INCOME				
21 OUTSIDE INV INCOME	448		887	
22 OTHER PER INC & TX RF	2,416		5,685	
22A SALE PER SHR-DWELLING	563		43	
23 TOT NON-FM INCOME	\$ 3,427		\$ 6,615	
24 TOT FAM FM & NON-FM INC	\$ 63,805		\$ 15,768	
25 TOTAL MONEY BORROWED	\$109,482		\$ 185,158	
26 TOT PD ON PRINCIPAL	\$ 82,152		\$ 133,767	
27 TOT HH & PER C & NC 4/23	\$ 13,745		\$ 24,155	
28 RATIO: TOT FM EX/REC OS	.846		1.196	
	JAN. 1	DEC. 31	JAN. 1	DEC. 31
29 RATIO: TOT ASSET T/LIAB	3.126	2.943	5.147	4.260
30 RATIO: NON-RE ASSET T/LIAB	2.469	2.400	2.946	2.520
31 RATIO: RE ASSET/RE LIAB	4.631	4.109	6.887	5.597
32 RATIO: N WRTH/TOT LIAB	2.126	1.943	4.147	3.260
33 RATIO: CA OP EX/AFSA OF		.743		.860
34 R: T FM REC/AV FM CAP WF		.242		.197
35 R: T FM REC/AV FM CAP OS		.705		.244

so for credit purposes the operator may wish to revalue those classes of assets. While TABLE 1 shows farm assets for all 179 farms included in the Association averages, TABLE 5 includes data from only those 132 sole proprietorships which had complete net worth data. Net worth data for partnerships were excluded when one analysis was done for the partnership and the partners did not supply information on their individually owned farm assets and liabilities.

* 26 Most Profitable Farms (Acres owned 140.7) (Tillable 112.9)
 23 Least Profitable Farms (Acres owned 413.9) (Tillable 366.7)

TABLE 6A. OPERATOR'S SHARE OF TOTAL FARM RECEIPTS - 1979 - S.W.

ITEMS	Average of 179 Farms	36 Most Profitable Farms	36 Least Profitable Farms
1 SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS			
2 DAIRY COWS	\$ 1,277	\$ 2,798	
3 DAIRY PRODUCTS	8,891	25,924	
4 OTHER DAIRY CATTLE	1,561	2,844	\$ 1,057
5 BEEF BREEDING CATTLE	1,287	1,729	1,210
6 BEEF FEEDER CATTLE	76,069	75,488	138,362
7 HOGS COMPLETE & MIXED	35,719	47,696	42,586
8 HOGS FINISHING	6,378	5,769	6,479
9 HOGS PRODUCING WEANING PIGS	1,320	3,764	211
10 SHEEP, GOATS AND WOOL, FARM FLOCK	347	1,011	94
11 SHEEP AND WOOL, FEEDER LAMBS	3		
12 CHICKENS (INCL. HENS AND BROILERS)	175		
13 TURKEYS	3,340	14,726	
14 EGGS	2,486		
15 OTHER PRODUCTIVE LIVESTOCK & PRODUCTS	111	14	
16 OTHER MISCELLANEOUS LIVESTOCK INCOME			
17 TOTAL SALES OF PRODUCTIVE LIVESTOCK	\$138,963	\$181,764	\$189,998
18 SALE OF CROPS			
19 WHEAT	\$ 1,143	\$ 3,193	\$ 909
19A DURUM			
20 OTHER SMALL GRAIN	805	371	853
21 CORN	18,988	18,207	21,687
22 SOYBEANS	36,027	40,380	44,078
22A SUNFLOWERS	2	9	
23 OTHER ROW CROPS	568	793	1,357
24 LEGUMES & OTHER ROUGHAGE	386	902	531
25 GRASS SEED			
26 FRUITS & NUTS			
27 VEGETABLES, ROADSIDE MARKET & SPECIALTY			
28 NURSERY, TIMBER & OTHER			
29 SET ASIDE ACRES - GOVERNMENT PAYMENTS	204	46	385
30 TOTAL SALES FROM CROPS	\$ 58,123	\$ 63,900	\$ 69,799
31 CAPITAL ASSETS SOLD	\$ 338	\$ 248	\$ 517
32 GAS TAX REFUND	203	160	270
33 INCOME FROM WORK OFF THE FARM	1,816	2,916	1,643
34 CUSTOM WORK ENTERPRISE INCOME			
35 PATRONAGE REFUNDS	1,452	1,388	1,763
36 MISCELLANEOUS FARM INCOME	2,914	3,429	3,895
37 TOTAL FARM SALES	\$203,808	\$253,804	\$267,885
38 INCREASE IN FARM CAPITAL	\$ 37,952	\$ 53,985	\$ 45,521
39 FAMILY LIVING FROM THE FARM	567	802	659
40 TOTAL FARM RECEIPTS (37)+(38)+(39)	\$242,327	\$308,591	\$314,065
41 ADJUSTED TOTAL FARM SALES (37)-(31)	203,470	253,556	267,368
42 TOTAL CASH FARM OPERATING EXPENSE	164,162	190,219	235,204
43 NET CASH OPERATING INCOME	\$ 39,308	\$ 63,337	\$ 32,165

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.

TABLE 6B. OPERATOR'S SHARE OF TOTAL FARM EXPENSES - 1979 - S.W.

ITEMS	Average of 179 Farms	36 Most Profitable Farms	36 Least Profitable Farms
1 PURCHASE OF LIVESTOCK			
2 DAIRY COWS	\$ 162	\$ 459	
3 OTHER DAIRY CATTLE	437	671	\$ 887
4 BEEF BREEDING CATTLE	606	500	91
5 BEEF FEEDER CATTLE	54,228	51,689	102,401
6 HOGS COMPLETE	1,428	1,049	2,752
7 HOGS FINISHING	2,764	1,717	4,385
8 HOGS PRODUCING WEANING PIGS	116	155	65
9 SHEEP, FARM FLOCK	174	47	43
10 SHEEP, FEEDER LAMBS			
11 CHICKENS	134		
12 TURKEYS	551	1,928	
13 OTHER PRODUCTIVE LIVESTOCK	25	36	
14 MISCELLANEOUS LIVESTOCK EXPENSE	3,763	6,051	3,251
15 FEED BOUGHT	26,894	37,791	32,352
16 FERTILIZER	7,600	8,408	8,812
17 CHEMICALS	4,989	5,548	6,446
18 OTHER CROP EXPENSE	7,436	10,980	7,696
19 IRRIGATION OPERATION COST			
20 CUSTOM WORK OPERATOR COSTS, INCL. LABOR			
21 CUSTOM WORK HIRED	3,636	5,666	3,679
22 REPAIR + UPKEEP OF LIVESTOCK EQUIPMENT	1,634	2,033	2,279
23 REPAIR + UPKEEP OF FARM REAL ESTATE	1,732	1,530	2,480
24 GAS, OIL, GREASE BOUGHT (FARM SHARE)	5,541	6,150	7,054
25 RPR & OPN MACH, TRAC, TRUCK, AUTO (FS)	5,633	5,926	7,146
26 REPAIR + UPKEEP OF IRRIGATION EQUIPMENT			
27 REPAIRS, CUSTOM WORK ENTERPRISE			
28 WAGES OF HIRED LABOR	4,720	3,762	7,456
29 PERSONAL PROPERTY + REAL ESTATE TAXES	2,226	993	4,338
30 CASH RENT	12,007	24,154	7,796
31 GENERAL FARM EXPENSES	2,034	1,955	2,517
32 TELEPHONE EXPENSE (FARM SHARE)	284	217	407
33 ELECTRICITY EXPENSE (FARM SHARE)	1,324	1,643	1,436
34 INTEREST EXPENSE	12,084	9,162	19,432
35 TOTAL CASH OPERATING EXPENSE	\$164,162	\$190,219	\$235,204
36 POWER, CROP & GENERAL MACH. BOUGHT (FS)	20,298	24,283	23,136
37 IRRIGATION EQUIPMENT BOUGHT			
38 CUSTOM WORK ENTERPRISE EQUIPMENT BOUGHT			
39 LIVESTOCK EQUIPMENT BOUGHT	4,372	4,214	8,077
40 NEW REAL ESTATE + IMPROVEMENTS	24,433	22,398	40,687
41 TOTAL FARM PURCHASES (35) THRU (40)	\$213,266	\$241,114	\$307,104
42 DECREASE IN FARM CAPITAL			
43 INTEREST ON FARM CAPITAL (EQUITY)	34,336	18,629	67,439
44 UNPAID FAMILY LABOR	1,117	1,081	1,986
45 BOARD FURNISHED HIRED LABOR	225	96	376
46 TOTAL FARM EXPENSE (41) THRU (45)	\$249,034	\$260,920	\$376,905
47 RETURN TO OPERATOR LABOR & MANAGEMENT (OPERATORS SHARE) (6A/40)-(46)	\$(-6,707)	\$ 47,670	\$(-62,841)
48 RETURN TO CAPITAL AND FAMILY LABOR (47)+(44)+(43)	\$ 28,746	\$ 67,380	\$ 6,585

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.

EXPLANATORY NOTES FOR TABLES 2A, 2B, 3, 6A, 6B

TABLES 2A & 2B comprise the earnings statement for the whole farm (including both operator's and landlord's shares). Lines 1 through 34 and line 36 of TABLE 2A show all sources of cash income to the farm. Line 38 reflects any increase in farm capital, while line 39 credits the business for any produce used by the family. Line 35 records the amount of patronage refunds credited to the business, part of which may have been received as cash and part as equity shares. TABLE 2B shows in lines 1 through 39 all cash expenses of the farm except principal and interest payments on farm debt. Note that cash rent is also not included, as it is an internal farm transaction between operator and landlord. Line 40 reflects any decrease in inventory while line 41 shows an interest return or charge of 6% for all farm capital. Line 46, Labor Earnings, represents the return for the operator's labor and management after all expenses (cash, accrual and imputed) are deducted. In the case of partnerships, line 43 assigns a fixed return to one partner, with the residual return going to the other (line 46). In line 49, the fixed return to one partner is added back to the residual (line 46) and that number is divided equally among the partners.

TABLE 3 represents another way of categorizing and reporting the receipts, expenses and labor earnings of the total farm business. In lines 2-21, cash receipts are adjusted for changes in inventory for each production enterprise, thus giving a better picture of the "value produced" contribution of each enterprise. In lines 24-30, each category of cash expense is adjusted for inventory. Line 33, fixed return to one partner, and line 36, interest charge on farm capital, are handled in the same manner as comparable items were in TABLE 2B (lines 43 and 41, respectively). Although calculated in a different way, the resulting labor earnings (line 38) is equal to that in TABLE 2B (line 46). Lines 24, 25, 28, and 29 actually report the sum of four cost items for each of these categories of capital assets. They are: depreciation; gas, oil, and grease bought; repair and operation cost; and share of custom work hired that was attributed to this category of asset (i.e., 80% of milk hauling cost might be attributed to truck and auto expense). While depreciation cannot be calculated directly from these tables, it can be approximated by the calculation: beginning inventory (TABLE 1) plus assets bought (TABLE 2B) minus ending inventory (TABLE 1). The number missing for a complete depreciation calculation is capital asset sales, which is not given for each category of assets in these tables (but is given for all assets in TABLE 2A).

TABLES 6A & 6B constitute the earnings statement for the operator. TABLES 6A & 6B therefore, are similar to TABLES 2A & 2B, except 6A & 6B exclude the landlord's share of income and expenses. Thus for the full owner-operator, TABLES 2A & 6A should be identical through line 40. TABLES 2B and 6B differ in that 6B includes cash rent paid (line 30) and interest paid on borrowed money (line 34). Line 43 of TABLE 6B thus contains an interest charge on only the operator's equity farm capital, whereas in line 41, TABLE 2B, interest was charged on all farm capital. Line 48 of TABLE 6B thus represents return to operator and family unpaid labor and management and equity capital. When money spent on family living is subtracted from line 48, the remainder plus non-farm income should be equal to the increase in net worth, shown in line 16 of TABLE 5.

SUPPLEMENTARY INFORMATION USED IN ENTERPRISE ANALYSIS - 1979 - S.W.

A. Number of Work Units for Crop and Livestock Enterprises

Livestock Enterprise	Work Units	Crop Enterprise	Work Units Per Acre
Hogs, Farrow-to-Finish	.12/cwt	Oats, Spring Wheat	.30
Hog Finishing	.06/cwt	Corn for Grain	.55
Hogs, Mixed Systems	.12/cwt	Grain Sorghum	.50
Hogs, Feeder Pigs	1.40/litter	Soybeans	.45
Dairy Cows	7.00/cow	Alfalfa Hay, Corn Silage	.60
Other Dairy Cattle	1.20/head	Non-Tillable Hay	.20
Beef Breeding Cows	1.50/head	Silage: Oats, Legume or Grass	.40
Beef Feeder Cattle	.12/cwt	Legume Pasture	.05
Sheep, Farm Flock	.60/head	Non-Tillable Prairie Pasture	.01

B. Average Prices Used in Analysis

Product	Feed	Harvest	Beginning Inventory	Ending Inventory	Pasture/head/mo.
Oats/bu.	\$ 1.30	\$ 1.10	\$ 1.15	\$ 1.30	Cows \$6.00
Wheat/bu.	2.80	4.00	3.00	4.25	Calves 3.00
Corn for Grain/bu.	2.25	2.00	1.95	2.20	Hogs 0.40
Soybeans/bu.	--	6.00	6.25	6.25	Sheep 1.00
Alfalfa Hay/ton	40.00	40.00	40.00	40.00	Lambs 0.50
All other Hay/ton	35.00	35.00	35.00	35.00	Products Used at Home
Corn Silage/ton	15.00	15.00	15.00	15.00	Straw \$1.50/bale
Oats Silage/ton	12.00	12.00	12.00	12.00	Milk 1.20/gal.

Unpaid family labor \$700/mo. or \$3.50/hr. or \$35/day.

Board for hired labor \$8/day or \$2/meal.

Second Operator's labor \$15,000/year.

C. Animal or Livestock Units Used in Analysis

Enterprise	Per Adult	Per Other
Complete Hogs	.40	.20
Hog Finishing	.40	.20
Hogs, Mixed Systems	.40	.20
Hogs, Feeder Pigs	.40	.20
Dairy Cows	1.00	.50
Other Dairy Cattle	1.00	.50
Beef Breeding Cows	.80	.30
Beef Feeder Cattle	1.00	1.00
Sheep, Farm Flock	.143	.071

D. Suggested Land Rental Rates and Conservative Market Prices

County	Rental Rate Per Acre	Conservative Market Price Per Acre
Cottonwood	\$ 90	\$2,000
Jackson	95	2,100
Faribault	115	2,600
Martin	100	2,200
Murray	65	1,500
Nobles	90	2,000
Pipestone	60	1,300
Redwood	85	1,900
Watonwan	100	2,200

DESCRIPTION OF MEASURES OF FARM ORGANIZATION AND MANAGEMENT EFFICIENCY

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

1. Labor Earnings - A measure of the relative financial return for the operator's labor taking into account all income and expense, cash and non-cash, including a charge for the use of farm capital. This is based on the whole farm business and is found in Table 2B and Table 3.
2. Crop Yield Index - A measure of the crop yield level for all crops produced expressed as a percentage of the Association 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 Association average and combines the individual indexes for all livestock enterprises on the farm into one figure.
6. Livestock Units Per 100 Acres - A measure of livestock density or population. Unit values are assigned to the various classes of livestock.
7. Size of Business - Work Units - A measure of the size of farm business, or 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. Total work units may also be interpreted differently for different farm situations such as work efficiency, degree of mechanization, careful planning, or hours worked. While it does not measure how hard a farmer works, it does measure how much is being accomplished on the farm.
8. Work Units Per Worker - Measures labor efficiency. 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 Chart 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 an above average earnings, this may not be true when individual farms are considered. The inter-relationship of factors varies from farm to farm.

TABLE 8. MEASURES OF FARM ORGANIZATION AND EFFICIENCY - 1979 - S.W.

ITEMS	Average of 179 Farms	36 Most Profitable Farms	36 Least Profitable Farms
1 * RETURN TO OPERATORS LABOR & MANAGEMENT			
1A WITH LAND AT MARKET VALUE	\$(-34,189)	\$ 15,210	\$(-108,437)
1B WITH LAND AT BOOK VALUE	\$ 14,843	\$ 52,046	\$ (-33,620)
2 CROP YIELD INDEX	100.0	102.0	87.6
3 PERCENT TILLABLE LAND IN HIGH RETURN CROP	90.4	88.0	89.7
4 GROSS RETURN PER TILL ACRE (EXCL PASTURE) \$	197.18	\$ 202.69	\$ 176.01
5 RET PER \$100 FEED FED PROD LVSTOCK INDEX	100.0	107.3	89.2
6** LIVESTOCK UNITS PER 100 ACRES	35.29	38.01	35.84
7 SIZE OF BUSINESS - WORK UNITS	548.32	662.06	647.59
8 WORK UNITS PER WORKER	282.64	354.04	262.18
9 PWR MACH EQUIP BLDG EXPENSE/WORK UNIT	\$ 70.93	\$ 52.86	\$ 86.38
10 FARM CAPITAL INVESTMENT PER WORKER	\$ 614,205	\$521,507	\$ 706,661
11 INDEX OF RETURN PER \$100 FEED FED			
12 6100 BEEF BREEDING FARM, WHOLE HRD, COM	100.0	112.3	107.8
13 6140 BEEF FEEDERS, FEEDLOT	100.0	117.0	89.3
14 6290 DAIRY COWS, COMMERCIAL, GENERAL	100.0	103.3	85.8
15 6310 OTHER DAIRY, COMMERCIAL, REPL.	100.0	117.7	53.9
16 6470 HOGS, FARROW-TO-FINISH, GENERAL	100.0	111.0	101.9
17 6490 HOGS, FINISHING	100.1	112.1	100.9
18 6510 HOGS, WEANING PIG PRODUCTION	100.0	91.8	101.0
19 6530 HOGS, MIXED SYSTEMS	100.0	123.7	80.6
20 6670 SHEEP, FARM, COMMERCIAL	100.0	57.5	111.3
30 NUMBER OF ANIMAL UNITS	170.98	170.78	249.09
31 WORK UNITS			
32 CROPS	233.00	216.59	329.18
33 PRODUCTIVE LIVESTOCK	289.67	417.20	305.18
34 OTHER PRODUCTIVE WORK UNITS	25.64	28.27	13.24
35 EXPENSES PER WORK UNIT:			
36 TRACTOR & CROP MACHINERY EXPENSE	\$ 38.72	\$ 29.37	\$ 46.56
37 FARM SHARE OF AUTO & TRUCK EXPENSE	8.89	6.17	9.61
38 FARM SHARE OF ELECTRIC EXPENSE	2.42	2.01	2.58
39 LIVESTOCK EQUIPMENT EXPENSE	7.49	6.13	9.05
40 BUILDING, FENCE & TILING EXPENSE	13.41	9.18	18.58
41*** TRACTOR & CROP MACH EXPENSE/CROP ACRE	44.82	44.92	44.88
42 FARM PWR & MACH COST ALLOC TO LIVESTOCK	2,757.32	3,325.49	3,498.66
43 BUILDING, FENCE & TILE COST ALLOC TO CROPS	3,818.76	1,978.10	6,960.52
46 MARKETING INDEX	100.0	99.79	116.40

* 1A CONSERVATIVE MARKET VALUE, SEE FOOTNOTES TO TABLES 1 AND 5, AND PAGE 15.
1B COST BASIS

** ACRES INCLUDE ALL TILLABLE LAND, NON-TILLABLE HAY & PASTURE

*** ACRES INCLUDE ALL TILLABLE LAND, PLUS ACRES IN NON-TILLABLE HAY

THERMOMETER CHART - 1979 - S.W.

Using your 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 of the chart.

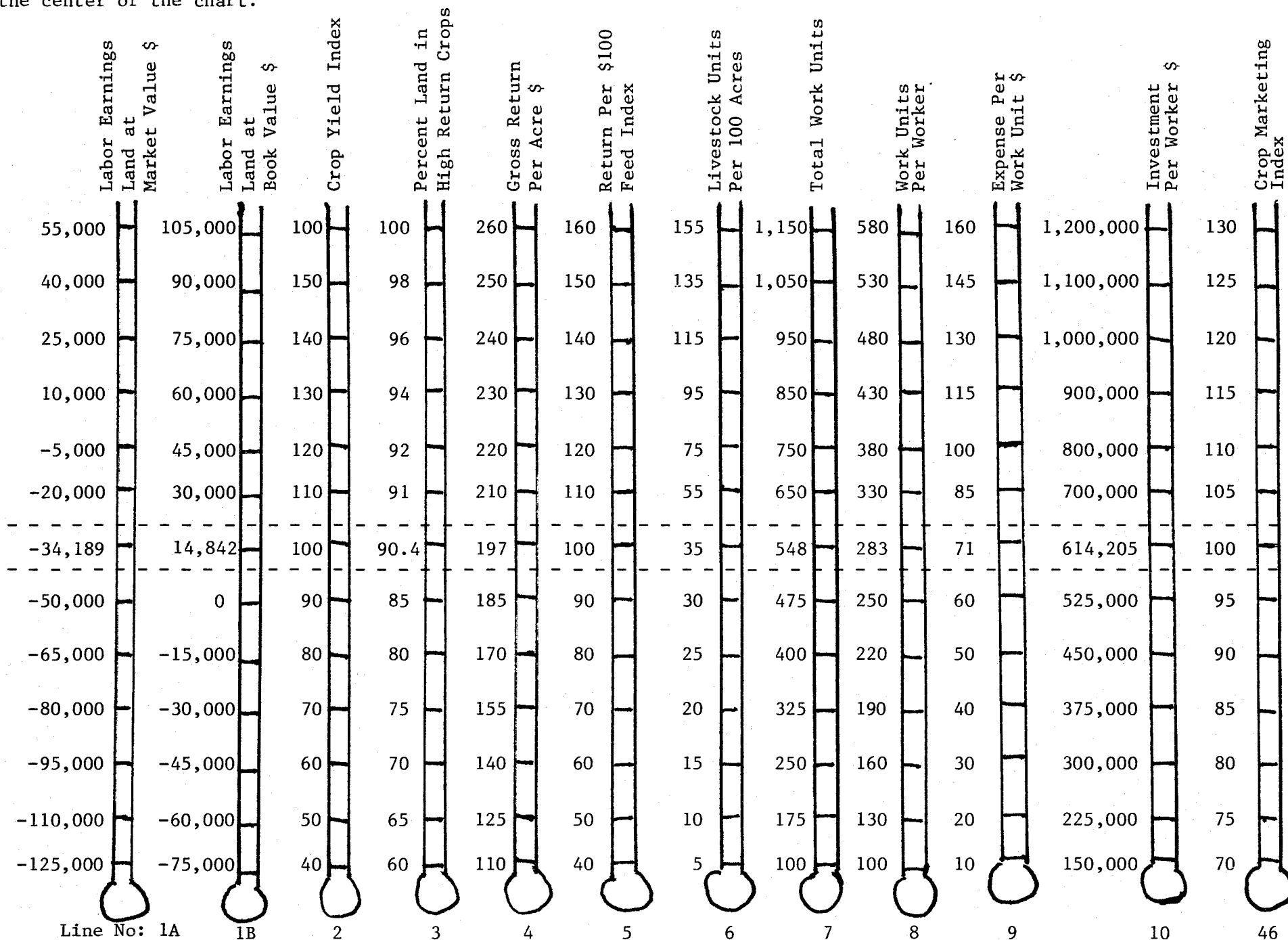


TABLE 9. CROP ACRES, YIELDS, RETURNS AND SUPPLEMENTARY MANAGEMENT INFORMATION - 1979 - SW

CROP	Average of 179 Farms	36 Most Profitable Farms	37 Least Profitable Farms
	acres	acres	acres
SMALL GRAIN & CANNING PEAS	13.4	18.3	14.1
ROW CROPS	400.6	351.0	563.4
LEGUMES, INCLUDING SEED	19.9	29.8	17.1
SILAGE AND FODDER	23.0	24.4	41.9
TILLABLE PASTURE	3.6	.9	4.6
FALLOW AND IDLE LAND	12.3	8.3	28.1
TILLABLE LAND	472.8	432.7	669.2
NON-TILLABLE HAY/PASTURE	11.7	16.6	25.8
WILD HAY NOT HARVESTED (NON-TILLABLE)	1.0	.6	.7
PASTURE NOT HARVESTED	10.1	9.8	2.5
TIMBER NOT HARVESTED	1.0	1.1	1.3
ROADS AND WASTE	17.0	17.2	23.9
FARMSTEAD	13.0	14.6	16.1
LAND NOT HARVESTED	42.1	43.3	44.5
NON-TILLABLE LAND	53.8	59.9	70.3
LAND IN FARM OR RANCH	526.6	492.6	739.5
SUPPLEMENTARY MANAGEMENT INFORMATION			
PERCENT LAND TILLABLE	89.8	87.8	90.5
PERCENT LAND IN HIGH RETURN CROPS	90.4	88.0	89.7
FERTILIZER COST PER ACRE	\$ 17.04	\$ 14.14	\$ 15.01
CROP CHEMICALS PER ACRE	\$ 11.76	\$ 10.56	\$ 12.21
SEED AND OTHER COSTS PER ACRE	\$ 16.43	\$ 14.69	\$ 14.77
GAS, OIL AND GREASE BOUGHT PER ACRE	\$ 9.11	\$ 8.59	\$ 9.41

Crop	Crop Rank	No. Farms Growing	Acres Per Farm	Total Acres	Avg. Yield Per Acre	Return Over Direct Costs Per Acre
Oats	D	76	25.3	1,923	60.0 bu.	\$ 70.31
Spring Wheat	C	10	26.6	266	29.5 bu.	103.35
Corn for Grain	A	185	192.3	35,576	107.5 bu.	144.13
Soybeans	A	179	196.8	35,227	31.2 bu.	161.04
Alfalfa Hay	B	108	32.6	3,521	4.9 tons	166.30
Oat Silage	C	16	18.6	298	6.3 tons	54.83
Corn Silage	A	93	40.7	3,785	15.2 tons	166.11
Non-Tillable Hay	C	12	13.0	156	1.4 tons	40.00
Legume Pasture	D	14	18.4	258	\$55.43	52.49
Non-Tillable Pasture	D	21	91.9	1,930	\$44.33	43.08
Set Aside-Tilled	B	42	24.2	1,016	\$25.41 a/	23.35

a/ average payment per acre.

DESCRIPTION OF CROPS TABLES

The following tables for each individual crop represent an attempt to calculate the costs and returns for these enterprises. Returns include the value of the crop produced --line 4-- (which was calculated as measured yield multiplied by a common harvest-time price--see footnote for exceptions) plus other crop income. The latter has two components: a cash component, such as diverted acre payments, deficiency payments, crop insurance payments for a loss, sale of a by-product (such as straw) etc; and a non-cash component, which is the operator's estimate of the value of straw, corn stalks, and other crop by-products and residues used in livestock enterprises.

Two categories of costs are calculated. The first consists of costs that are "directly" attributable to that crop, such as fertilizer, chemicals, seed, etc., and are normally recorded on pages 38-39 of the Account Book. These are normally all cash costs, although some may have been actually paid in a previous year, i.e., fertilizer paid for last year but used on this year's crop. Thus the sum of fertilizer costs for all crops may not necessarily equal total fertilizer purchased in the current year as reported in TABLES 2B and 6B. The costs in this "direct" category may also be called variable costs, in two ways. The first is in that the level of these costs per acre can be varied by the farmer, such as varying the amount of fertilizer per acre, etc. The second is in that the total of these costs usually vary in direct proportion to the number of acres grown. For example, if 10% fewer acres of corn were planted, expenses for corn seed and fertilizer might decrease by 10%. The second category of costs represents an attempt to "allocate" some costs that are not easily attributable to a specific enterprise. Some are cash costs and others are non-cash, some are variable and others are fixed or overhead costs. For example, the ownership cost of farm power and machinery consists of depreciation, which is a non-cash, fixed cost that continues even if corn acreage is cut back by 10%. In contrast, the operation cost of farm power and machinery, which, includes fuel, lubricants, and repair, is a cash variable cost.

The power and machinery costs (both ownership and operation) were allocated among crop (and livestock when present) enterprises on the basis of work units. The ownership costs and the total operation costs are each divided by the sum of total crop work units plus one-tenth of the total livestock work units (or one-twelfth if livestock work units are greater than 400) because livestock use relatively less power per work unit than crops. The resulting ownership cost per work unit is then multiplied by the standard work unit per acre figure to obtain the allocated cost per acre. The same procedure is followed for operation costs. If the operator feels that this procedure does not adequately reflect his relative use of power among enterprises, or if he wants some enterprises to carry a relatively heavier cost burden than others, then he may modify the allocation by the use of different values for the Power Cost Allocation Factor (PCAF).

Land cost shown is an attempt to measure the opportunity cost of the land. For the tenant, the cash rent or equivalent was reported. For the owner-operator, the amount that could be received for renting out the land was obtained. Interest on machinery and equipment investment was calculated at 6% on the average amount held during the year (beginning plus ending inventories divided by two).

TABLE 10-0105 - CROP DATA FOR OATS - FEED - 1979 - S.W.

ITEMS	Average of 76 Farms	15 Farms Highest in Yield	15 Farms Lowest in Yield
1 ACRES	25.3	26.7	17.0
2 YIELD PER ACRE, BUSHELS	60.0	90.7	22.1
3 VALUE PER BUSHEL	\$ 1.12	\$ 1.16	\$ 1.10
4 CROP PRODUCT RETURN	67.23	105.24	24.29
5 OTHER CROP INCOME	26.52	36.89	19.35
6 TOTAL CROP RETURN PER ACRE	\$ 93.75	\$142.13	\$ 43.64
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 7.83	\$ 11.69	\$ 4.24
9 CHEMICALS	.59	.15	.82
10 SEED & OTHER	10.00	9.10	8.53
11 SPECIAL HIRED LABOR	.12	.49	
12 CUSTOM WORK HIRED	4.90	4.79	8.59
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 23.44	\$ 26.22	\$ 22.18
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 70.31	\$115.91	\$ 21.46
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 15.77	\$ 15.56	\$ 10.30
18 FARM POWER & MACHINERY - OPERATION	13.98	14.49	11.91
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	79.34	84.67	82.00
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	3.93	4.37	2.85
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 113.02	\$119.09	\$ 107.06
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-42.71)	\$(-3.18)	\$(-85.60)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.30	.30	.30
27 POWER COSTS ALLOCATION FACTOR	.97	.96	.92
28 TOTAL LISTED COSTS PER BUSHEL	\$ 2.27	\$ 1.60	\$ 5.86
29 RETURN OVER LISTED COSTS PER BUSHEL	\$ (-.71)	\$ (-.04)	\$ (-3.88)
30* BREAK-EVEN YIELD, BUSHELS	121.84	125.27	117.49
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 36.95	\$ 37.61	\$ 30.79
31 TOTAL LISTED COSTS PER ACRE	\$ 136.46	\$145.31	\$ 129.24

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0195 - CROP DATA FOR SPRING WHEAT - 1979 - S.W.

ITEMS	Average of 10 Farms
1 ACRES	26.6
2 YIELD PER ACRE, BUSHELS	29.5
3 VALUE PER BUSHEL	\$ 3.80
4 CROP PRODUCT RETURN	112.14
5 OTHER CROP INCOME	16.73
6 TOTAL CROP RETURN PER ACRE	\$ 128.87
7 DIRECT COSTS PER ACRE	
8 FERTILIZER	\$ 12.97
9 CHEMICALS	2.78
10 SEED & OTHER	5.41
11 SPECIAL HIRED LABOR	
12 CUSTOM WORK HIRED	4.36
13 IRRIGATION OPERATION	
14 TOTAL DIRECT COSTS PER ACRE	\$ 25.52
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 103.35
16 ALLOCATED COSTS PER ACRE	
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 19.58
18 FARM POWER & MACHINERY - OPERATION	11.20
19 IRRIGATION EQUIPMENT - OWNERSHIP	
20 LAND COSTS	88.50
21 MISCELLANEOUS COSTS	
22 INTEREST ON MACH. & EQUIP. INVESTMENT	4.34
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 123.62
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ (-20.27)
25 SUPPLEMENTARY MANAGEMENT INFORMATION	
26 WORK UNITS ASSIGNED PER ACRE	.30
27 POWER COSTS ALLOCATION FACTOR	1.00
28 TOTAL LISTED COSTS PER BUSHEL	\$ 5.05
29 RETURN OVER LISTED COSTS PER BUSHEL	\$ (-.69)
30* BREAK-EVEN YIELD, BUSHELS	39.25
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 38.03
31 TOTAL LISTED COSTS PER ACRE	\$ 149.14

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0275 - CROP DATA FOR CORN FOR GRAIN - 1979 - S.W.

ITEMS	Average of 185 Farms	37 Farms Highest in Yield	37 Farms Lowest in Yield
1 ACRES	192.3	169.3	197.4
2 YIELD PER ACRE, BUSHELS	107.5	138.1	77.4
3 VALUE PER BUSHEL	\$ 1.99	\$ 2.00	\$ 1.95
4 CROP PRODUCT RETURN PER ACRE	213.93	276.17	150.99
5 OTHER CROP INCOME PER ACRE	2.62	.03	6.64
6 TOTAL CROP RETURN PER ACRE	\$216.55	\$276.20	\$ 157.63
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 32.26	\$ 40.63	\$ 22.94
9 CHEMICALS	13.25	15.13	12.42
10 SEED & OTHER	22.68	26.54	19.96
11 SPECIAL HIRED LABOR	.38	.30	.13
12 CUSTOM WORK HIRED	3.85	5.01	2.52
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 72.42	\$ 87.61	\$ 57.97
15 RETURN OVER DIRECT COSTS PER ACRE	\$144.13	\$188.59	\$ 99.66
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 27.61	\$ 28.44	\$ 27.98
18 FARM POWER & MACHINERY - OPERATION	22.30	23.08	22.73
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	87.31	99.46	77.35
21 MISCELLANEOUS COSTS	.04		
22 INTEREST ON MACH. & EQUIP. INVESTMENT	6.96	7.42	6.75
23 TOTAL ALLOCATED COSTS PER ACRE	\$144.22	\$158.40	\$ 134.81
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ (-.09)	\$ 30.19	\$(-35.15)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.55	.55	.55
27 POWER COSTS ALLOCATION FACTOR	.94	.97	.92
28 TOTAL LISTED COSTS PER BUSHEL	\$ 2.02	\$ 1.78	\$ 2.49
29 RETURN OVER LISTED COSTS PER BUSHEL		\$.22	\$ (-.45)
30* BREAK-EVEN YIELD, BUSHELS	108.86	123.01	98.86
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 59.44	\$ 62.28	\$ 59.14
31 TOTAL LISTED COSTS PER ACRE	\$216.64	\$246.01	\$ 192.78

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0335 - CROP DATA FOR SOYBEANS - 1979 - S.W.

ITEMS	Average of 179 Farms	36 Farms Highest in Yield	36 Farms Lowest in Yield
1 ACRES	196.8	162.7	219.8
2 YIELD PER ACRE, BUSHELS	31.2	41.6	18.2
3 VALUE PER BUSHEL	\$ 5.98	\$ 5.83	\$ 6.00
4 CROP PRODUCT RETURN PER ACRE	186.69	242.66	109.24
5 OTHER CROP INCOME PER ACRE	4.92		14.23
6 TOTAL CROP RETURN PER ACRE	\$191.61	\$242.66	\$ 123.47
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 1.97	\$ 2.32	\$ 1.22
9 CHEMICALS	12.05	12.45	12.76
10 SEED & OTHER	11.93	12.66	10.17
11 SPECIAL HIRED LABOR	1.66	1.54	1.40
12 CUSTOM WORK HIRED	2.96	2.88	1.12
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 30.57	\$ 31.85	\$ 26.67
15 RETURN OVER DIRECT COSTS PER ACRE	\$161.04	\$210.81	\$ 96.80
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 22.85	\$ 25.43	\$ 23.20
18 FARM POWER & MACHINERY - OPERATION	18.37	18.73	18.08
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	88.87	96.78	82.64
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	5.75	6.66	5.28
23 TOTAL ALLOCATED COSTS PER ACRE	\$135.84	\$147.60	\$ 129.20
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 25.20	\$ 63.21	\$(-32.40)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.45	.45	.45
27 POWER COSTS ALLOCATION FACTOR	.95	.88	1.03
28 TOTAL LISTED COSTS PER BUSHEL	\$ 5.33	\$ 4.31	\$ 8.56
29 RETURN OVER LISTED COSTS PER BUSHEL	\$.81	\$ 1.52	\$ (-1.78)
30* BREAK-EVEN YIELD, BUSHELS	27.83	30.78	25.98
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 48.94	\$ 52.74	\$ 47.31
31 TOTAL LISTED COSTS PER ACRE	\$166.41	\$179.45	\$155.87

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0400 - CROP DATA FOR ALFALFA HAY - 1979 - S.W.

ITEMS	Average of 108 Farms	22 Farms Highest in Yield	22 Farms Lowest in Yield
1 ACRES	32.6	39.3	26.8
2 YIELD PER ACRE, TONS	4.9	6.6	3.1
3 VALUE PER TON	\$ 40.00	\$ 40.00	\$ 40.00
4 CROP PRODUCT RETURN PER ACRE	195.09	264.63	125.37
5 OTHER CROP INCOME PER ACRE	.25		1.46
6 TOTAL CROP RETURN PER ACRE	\$195.34	\$264.63	\$ 126.83
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 8.83	\$ 9.11	\$ 6.01
9 CHEMICALS	.12	.05	.30
10 SEED & OTHER	8.50	10.59	5.07
11 SPECIAL HIRED LABOR	.55	.36	.60
12 CUSTOM WORK HIRED	11.04	5.50	12.35
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 29.04	\$ 25.61	\$ 24.33
15 RETURN OVER DIRECT COSTS PER ACRE	\$166.30	\$239.02	\$ 102.50
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 30.05	\$ 38.17	\$ 21.81
18 FARM POWER & MACHINERY - OPERATION	26.42	29.37	19.27
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	81.02	85.23	76.59
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	7.61	9.90	5.81
23 TOTAL ALLOCATED COSTS PER ACRE	\$145.10	\$162.67	\$ 123.48
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 21.20	\$ 76.35	\$(-20.98)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.60	.60	.60
27 POWER COSTS ALLOCATION FACTOR	.95	.97	.91
28 TOTAL LISTED COST PER TON	\$ 35.70	\$ 28.46	\$ 47.17
29 RETURN OVER LISTED COSTS PER TON	\$ 4.35	\$ 11.54	\$ (-6.70)
30* BREAK-EVEN YIELD, TONS	4.35	4.71	3.70
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 71.44	\$ 81.11	\$ 55.13
31 TOTAL LISTED COSTS PER ACRE	\$174.14	\$188.28	\$ 147.81

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0545 - CROP DATA FOR GRAIN (OATS) SILAGE - 1979 - S.W.

ITEMS	Average of 16 Farms	8 Farms	8 Farms
		Highest In Yield	Lowest in Yield
1 ACRES	18.6	14.4	22.8
2 YIELD PER ACRE, TONS	6.3	10.8	3.5
3 VALUE PER TON	\$ 11.33	\$ 10.65	\$ 12.00
4 CROP PRODUCT RETURN PER ACRE	71.29	115.35	41.58
5 OTHER CROP INCOME PER ACRE			
6 TOTAL CROP RETURN PER ACRE	\$ 71.29	\$ 115.35	\$ 41.58
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 6.45	\$ 16.60	
9 CHEMICALS	.54	1.11	\$.18
10 SEED & OTHER	6.08	11.32	2.81
11 SPECIAL HIRED LABOR	.27		.39
12 CUSTOM WORK HIRED	3.12	2.78	3.33
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 16.46	\$ 31.81	\$ 6.71
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 54.83	\$ 83.54	\$ 34.87
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 18.68	\$ 16.46	\$ 20.09
18 FARM POWER & MACHINERY - OPERATION	17.39	17.37	17.41
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	79.38	83.13	75.63
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	4.67	4.08	5.04
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 120.12	\$ 121.04	\$ 118.17
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-65.29)	\$(-37.50)	\$(-83.30)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.40	.40	.40
27 POWER COSTS ALLOCATION FACTOR	.98	.99	.98
28 TOTAL LISTED COSTS PER TON	\$ 21.72	\$ 14.11	\$ 36.04
29 RETURN OVER LISTED COSTS PER TON	\$(-10.38)	\$(-3.46)	\$(-24.04)
30* BREAK-EVEN YIELD, TONS	12.05	14.35	10.41
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 42.82	\$ 39.76	\$ 44.76
31 TOTAL LISTED COSTS PER ACRE	\$ 136.58	\$ 152.85	\$ 124.88

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0550 - CROP DATA FOR CORN AND SORGHUM SILAGE - 1979 - S.W.

ITEMS	Average of 93 Farms	19 Farms Highest in Yield	19 Farms Lowest in Yield
1 ACRES	40.7	36.9	58.3
2 YIELD PER ACRE, TONS	15.2	21.4	10.3
3 VALUE PER TON	\$ 14.95	\$ 14.47	\$ 15.00
4 CROP PRODUCT RETURN PER ACRE	227.74	309.00	155.15
5 OTHER CROP INCOME PER ACRE	.44		1.49
6 TOTAL CROP RETURN PER ACRE	\$228.18	\$309.00	\$ 156.64
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 28.28	\$ 27.53	\$ 25.21
9 CHEMICALS	12.85	14.44	12.04
10 SEED & OTHER	15.21	13.88	12.76
11 SPECIAL HIRED LABOR	.05		
12 CUSTOM WORK HIRED	5.68	6.23	6.12
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 62.07	\$ 62.08	\$ 56.13
15 RETURN OVER DIRECT COSTS PER ACRE	\$166.11	\$246.92	\$ 100.51
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 29.93	\$ 30.27	\$ 29.87
18 FARM POWER & MACHINERY - OPERATION	26.17	30.52	22.41
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	78.28	78.16	67.37
21 MISCELLANEOUS COSTS	.07		.26
22 INTEREST ON MACH. & EQUIP. INVESTMENT	7.38	6.74	7.79
23 TOTAL ALLOCATED COSTS PER ACRE	\$141.83	\$145.69	\$ 127.70
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 24.28	\$101.23	\$(-27.19)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.60	.60	.60
27 POWER COSTS ALLOCATION FACTOR	.97	.94	.96
28 TOTAL LISTED COST PER TON	\$ 13.38	\$ 9.73	\$ 17.77
29 RETURN OVER LISTED COSTS PER TON	\$ 1.60	\$ 4.74	\$ (-2.63)
30* BREAK-EVEN YIELD, TONS	13.64	14.36	12.26
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 67.27	\$ 71.69	\$ 64.15
31 TOTAL LISTED COSTS PER ACRE	\$203.90	\$207.77	\$ 183.83

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0530 - CROP DATA FOR NON-TILLABLE HAY - 1979 - S.W.

ITEMS	Average of 12 Farms	6 Farms Highest in Yield	6 Farms Lowest in Yield
1 ACRES	13.0	14.4	11.6
2 YIELD PER ACRE	1.4	1.8	.8
3 VALUE PER PRODUCTION UNIT	\$ 29.25	\$26.00	\$ 32.50
4 CROP PRODUCT RETURN PER ACRE	40.54	46.94	25.26
5 OTHER CROP INCOME			
6 TOTAL CROP RETURN	\$ 40.54	\$46.94	\$ 25.26
7 DIRECT COSTS			
8 FERTILIZER			
9 CHEMICALS			
10 SEED & OTHER	\$.23	\$.42	
11 SPECIAL HIRED LABOR	.31		\$.69
12 CUSTOM WORK HIRED			
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS	\$.54	\$.42	\$.69
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 40.00	\$46.52	\$ 24.57
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 9.08	\$10.38	\$ 7.45
18 FARM POWER & MACHINERY - OPERATION	7.11	6.15	8.29
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	30.17	23.33	37.00
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	2.11	2.39	1.77
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 48.47	\$42.25	\$ 54.51
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-8.47)	\$ 4.27	\$(-29.94)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.20	.20	.20
27 POWER COSTS ALLOCATION FACTOR	.73	.63	.83
28 TOTAL LISTED COSTS PER UNIT OF PRODUCTION	\$ 35.33	\$23.65	\$ 71.11
29 RETURN OVER LISTED COSTS PER UNIT	\$(-6.06)	\$ 2.35	\$(-38.56)
30* BREAK-EVEN YIELD/UNIT OF PRODUCTION	1.68	1.64	1.70
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 18.30	\$18.92	\$ 17.51
31 TOTAL LISTED COSTS PER ACRE	\$ 49.01	\$42.67	\$ 55.20

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-0570- CROP DATA FOR LEGUME PASTURES* - 1979 - S.W.

ITEMS	Average of 14 Farms	7 Farms Highest in Yield	7 Farms Lowest in Yield
1 ACRES	18.4	12.8	24.0
2 YIELD PER ACRE	55.43	73.83	15.04
3 VALUE PER PRODUCTION UNIT	\$ 1.00	\$ 1.00	\$ 1.00
4 CROP PRODUCT RETURN PER ACRE	55.43	73.83	15.04
5 OTHER CROP INCOME			
6 TOTAL CROP RETURN PER ACRE	\$ 55.43	\$ 73.83	\$ 15.04
7 DIRECT COSTS PER ACRE			
8 FERTILIZER			
9 CHEMICALS	\$.22	\$.63	
10 SEED & OTHER	2.72	6.09	\$.92
11 SPECIAL HIRED LABOR			
12 CUSTOM WORK HIRED			
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 2.94	\$ 6.72	\$.92
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 52.49	\$ 67.11	\$ 14.12
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 1.58	\$ 1.20	\$ 1.78
18 FARM POWER & MACHINERY - OPERATION	1.38	1.69	1.21
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	76.79	67.86	85.71
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	.38	.37	.38
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 80.13	\$ 71.12	\$ 89.08
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-27.64)	\$(-4.01)	\$(-74.96)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.05	.05	.05
27 POWER COSTS ALLOCATION FACTOR	.50	.57	.43
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 3.34	\$ 3.26	\$ 3.37
31 TOTAL LISTED COSTS PER ACRE	\$ 83.07	\$ 77.84	\$ 90.00

* INCLUDES PASTURE CODES 0810, 0811, 0820, and 0821

TABLE 10-0585 - CROP DATA FOR NON-TILLABLE PRAIRIE PASTURES - 1979 - S.W.

ITEMS	Average of 21 Farms	10 Farms Highest in Yield	10 Farms Lowest in Yield
1 ACRES	91.9	97.3	94.8
2 YIELD PER ACRE	44.33	46.95	14.51
3 VALUE PER PRODUCTION UNIT	\$ 1.00	\$ 1.00	\$ 1.00
4 CROP PRODUCT RETURN PER ACRE	44.33	46.95	14.51
5 OTHER CROP INCOME PER ACRE			
6 TOTAL CROP RETURN PER ACRE	\$44.33	\$ 46.95	\$ 14.51
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$.25	\$.51	
9 CHEMICALS	.61	.63	\$.59
10 SEED & OTHER	.28	.58	
11 SPECIAL HIRED LABOR			
12 CUSTOM WORK HIRED	.11		.21
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 1.25	\$ 1.72	\$.80
15 RETURN OVER DIRECT COSTS PER ACRE	\$43.08	\$ 45.23	\$ 13.71
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$.13	\$.12	\$.14
18 FARM POWER & MACHINERY - OPERATION	.10	.13	.08
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	36.57	50.50	23.50
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	.03	.03	.03
23 TOTAL ALLOCATED COSTS PER ACRE	\$36.83	\$ 50.78	\$ 23.75
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 6.25	\$(-5.55)	\$(-10.04)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.01	.01	.01
27 POWER COSTS ALLOCATION FACTOR	.35	.46	.28
30A EST. TOTAL MACHINE COSTS PER ACRE	\$.33	\$.28	\$.39
31 TOTAL LISTED COSTS PER ACRE	\$38.08	\$ 52.50	\$ 24.55

* TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

TABLE 10-1180 - CROP DATA FOR SET ASIDE ACRES - TILLED - 1979 - S.W.

ITEMS	Average of 42 Farms	14 Farms Highest in Yield	14 Farms Lowest in Yield
1 ACRES	24.2	27.9	22.5
2* YIELD PER ACRE	25.4	47.2	
3 VALUE PER PRODUCTION UNIT	\$ 1.00	\$ 1.00	\$ 1.00
4 CROP PRODUCT RETURN PER ACRE	25.41	47.17	
5 OTHER CROP INCOME PER ACRE			
6 TOTAL CROP RETURN PER ACRE	\$ 25.41	\$ 47.17	
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$.26		
9 CHEMICALS	.13	\$.23	
10 SEED & OTHER	1.67	.79	\$ 2.50
11 SPECIAL HIRED LABOR			
12 CUSTOM WORK HIRED			
13 IRRIGATION OPERATION			
14 TOTAL DIRECT COSTS PER ACRE	\$ 2.06	\$ 1.02	\$ 2.50
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 23.35	\$ 46.15	\$ (-2.50)
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 9.31	\$ 6.97	\$ 10.03
18 FARM POWER & MACHINERY - OPERATION	6.59	5.84	6.89
19 IRRIGATION EQUIPMENT - OWNERSHIP			
20 LAND COSTS	77.38	80.36	73.57
21 MISCELLANEOUS COSTS			
22 INTEREST ON MACH. & EQUIP. INVESTMENT	2.48	1.80	2.44
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 95.76	\$ 94.97	\$ 92.93
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-72.41)	\$(-48.82)	\$(-95.43)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS ASSIGNED PER ACRE	.20	.20	.20
27 POWER COSTS ALLOCATION FACTOR	.84	.82	.84
28 TOTAL LISTED COST PER UNIT OF PRODUCTION	\$ 3.84	\$ 2.04	
29 RETURN OVER LISTED COSTS PER UNIT	\$ (-2.81)	\$ (-.99)	
30** BREAK-EVEN YIELD/UNIT OF PRODUCTION	102.97	103.22	102.61
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 18.38	\$ 14.61	\$ 19.36
31 TOTAL LISTED COSTS PER ACRE	\$ 97.82	\$ 95.99	\$ 95.43

* DEFICIENCY PAYMENT RECEIVED DIVIDED BY ACRES PLANTED EQUALS YIELD (IN \$) PER ACRE, MULTIPLIED BY 1 (LINE 3) EQUALS CROP RETURN PER ACRE OF SET ASIDE.

** TO COVER TOTAL LISTED COSTS PER ACRE (LINE 31) AT PRICE GIVEN IN LINE 3.

DESCRIPTION OF LIVESTOCK TABLES

Livestock provide an important source of farm income, especially on farms with relatively small acreages, or acreages not well suited to the production of cash crops. If the crop land area is limited, and/or the farm family is short of capital relative to labor, livestock may be needed to provide the volume of earnings necessary for family living and to meet goals that the farm family hopes to achieve.

The following tables provide cost and return calculations for the livestock enterprises on the farms included in this report. Since feed is the largest single item of cost for all classes of livestock, return above feed cost was used to classify farms into high or low in the following tables. The reader is cautioned to remember that farms are classified into the high or low return above feed cost categories for each table, so that a particular farm might be in the low category in one livestock table and in the high category in another livestock table. And these classifications are separate and independent of the classifications based on labor earnings used in TABLES 1 through 6B. Feed costs are determined from feed records kept by the farm operator. Given the overwhelming importance of feed as the major cost of livestock production, it is suggested that the livestock producer try to keep an accurate set of feed records for each major livestock enterprise,

Purchase price is used for all feeds purchased from off the farm. An average price, shown elsewhere in this report, is charged for each kind of home-grown feed.

In general, the net increase in value of animals is calculated as: ending inventory plus sales plus transfers out plus butchered minus beginning inventory minus purchases minus transfers in. For fed livestock, pounds or cwt produced is calculated in the same way. Since inventory values play such an important role in determining net increase in value, producers are urged to be extremely careful in changing inventory prices, especially of breeding livestock which may be on hand during the whole year. This is, paper gains and losses from changing prices of inventory should be avoided.

Return over feed costs, because of the proportion of total costs represented by feed, is an important overall measure, and very useful in comparing an enterprise over time on the same farm or with other farms in a given year. It is a general measure that indicates success in getting top dollar for products sold, as well as in holding down feed costs. The relative size of the return over feed cost, or a companion measure, return for \$100 feed fed, varies by kind of enterprise, depending upon the size of non-feed costs. For example, dairy cows, with high labor and building and equipment costs, need a higher return above feed cost and return per \$100 feed fed than a low labor, low building/equipment cost enterprise such as feeder cattle. It also varies by year as both commodity prices and feed prices vary.

A few of the other direct cash costs, such as veterinary costs, bedding, etc. are shown in each livestock table. Certain overhead costs were also allocated among enterprises, using the work unit procedure described for the crops tables, which again can be modified by use of power and machinery, livestock equipment, and building and fences cost allocation factors. (PCAF, ECAF, AND BCAF, respectively).

TABLE 11A-6470 - COSTS AND RETURNS FROM HOGS, FARROW-TO-FINISH* - 1979 - S.W.

ITEMS	Average of 53 Farms	11 Farms Highest in Return Above	11 Farms Lowest in Return Above
		Feed Cost	Feed Cost
1 POUNDS OF HOGS PRODUCED	183,397	214,859	157,840
	Per Cwt.	Per Cwt.	Per Cwt.
2 NET INCREASE IN VALUE OF HOGS	\$ 37.28	\$ 42.01	\$ 30.77
3 OTHER MISCELLANEOUS HOG INCOME			
4 TOTAL VALUE PRODUCED	\$ 37.28	\$ 42.01	\$ 30.77
5 POUNDS OF FEED FED			
6 CORN	297.2	284.2	297.9
7 SMALL GRAIN	16.5	9.8	23.9
8 COMPLETE RATION	23.4	1.6	59.2
9 PROTEIN, SALT & MINERAL & MILK	78.4	74.4	77.7
10 TOTAL CONCENTRATES	415.5	370.0	458.7
11 FORAGES	1.9		4.1
12 FEED COST			
13 GRAINS	\$ 12.49	\$ 11.54	\$ 12.94
14 COMPLETE RATION	2.20	.18	5.94
15 PROTEIN, SALT & MINERAL & MILK	11.14	11.13	10.67
16 FORAGES	.06		.09
17 PASTURE	.01	.02	
18 TOTAL FEED COSTS	\$ 25.90	\$ 22.87	\$ 29.64
19 RETURN OVER FEED COSTS	\$ 11.38	\$ 19.14	\$ 1.13
20 OTHER DIRECT COSTS			
21 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 1.00	\$ 1.19	\$.89
22 VETERINARY EXPENSE	1.07	1.20	.60
23 CUSTOM WORK	.40	.06	.35
24 SPECIAL HIRED LABOR	.11	.03	
25 TOTAL OTHER DIRECT COSTS	\$ 2.58	\$ 2.48	\$ 1.84
26 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 8.80	\$ 16.66	\$ (-.71)
27 ALLOCATED COSTS			
28 POWER & MACHINERY COSTS	\$ 1.29	\$ 1.55	\$ 1.25
29 LIVESTOCK EQUIPMENT COSTS	2.10	2.39	2.45
30 BUILDING & FENCES	1.90	2.06	1.35
31 TOTAL ALLOCATED COSTS	\$ 5.29	\$ 6.00	\$ 5.05
32 RETURN OVER ALL LISTED COSTS	\$ 3.51	\$ 10.66	\$ (-5.76)
33 SUPPLEMENTARY MANAGEMENT INFORMATION			
34 RETURN FOR \$100 FEED FED	\$143.92	\$183.69	\$103.80
35 PRICE RECEIVED PER CWT. ALL ANIMALS	\$ 41.97	\$ 44.02	\$ 39.89
36 PRICE RECEIVED/CWT. SOLD MKT ONLY	\$ 43.40	\$ 45.13	\$ 41.87
37 NUMBER OF LITTERS FARROWED	109	141	90
37A LITTERS/BEARING FEMALE/YEAR	.9	.8	.9
38 NUMBER OF PIGS BORN PER LITTER	9.3	9.5	8.8
39 NUMBER OF PIGS WEANED PER LITTER	7.5	7.3	7.1
40 PERCENT DEATH LOSS	14.3	16.5	14.0
41 AVERAGE WEIGHT OF ALL HOGS SOLD	239.8	232.8	244.6
42 AVERAGE WEIGHT OF MKT. HOGS SOLD	226.8	228.8	224.3
43 PRICE PER CWT. CONCENTRATE FED	\$ 6.22	\$ 6.18	\$ 6.44
44 PRICE/CWT. PROT., SALT & MIN. FED	\$ 14.21	\$ 14.97	\$ 13.74
45 POUNDS OF PORK PURCHASED	3,344	3,554	5,500
46 TOTAL LISTED COSTS/CWT PORK PROD.	\$ 33.77	\$ 31.35	\$ 36.53

*FARMS INCLUDED IN TABLE 11A CARRIED OUT A COMPLETE PROGRAM OF FARROWING AND MARKETING THEIR OWN HOGS. THE FEED COSTS INCLUDE FEED FOR THE BREEDING HERD AND MARKET ANIMALS.

TABLE 11B-6490 - COSTS AND RETURNS FROM HOG FINISHING ENTERPRISE* - 1979 - S.W.

ITEMS	Average of 19 Farms	9 Farms Highest in Return Above Feed Cost	9 Farms Lowest in Return Above Feed Cost
1 AVERAGE NUMBER OF PIGS ON HAND	261.6	246.5	254.4
2 POUNDS OF HOGS PRODUCED	127,523	121,396	125,153
3 NET INCREASE IN VALUE OF HOGS	Per Cwt. \$ 23.75	Per Cwt. \$ 27.17	Per Cwt. \$ 20.42
4 OTHER MISCELLANEOUS HOG INCOME			
5 TOTAL VALUE PRODUCED	\$ 23.75	\$ 27.17	\$ 20.42
6 POUNDS OF FEED FED			
7 CORN	285.9	293.1	271.3
8 SMALL GRAIN	11.6	12.0	12.4
9 COMPLETE RATION	13.0	17.6	10.8
10 PROTEIN, SALT & MINERAL & MILK	68.1	68.3	67.4
11 TOTAL CONCENTRATES	378.6	391.0	361.9
12 FORAGES	1.0		2.2
13 FEED COST			
14 GRAINS	\$ 11.94	\$ 12.26	\$ 11.37
15 COMPLETE RATION	.88	1.17	.75
16 PROTEIN, SALT & MINERAL & MILK	10.34	10.11	10.65
17 FORAGES	.03		.06
18 PASTURE			
19 TOTAL FEED COSTS	\$ 23.19	\$ 23.54	\$ 22.83
20 RETURN OVER FEED COSTS	\$.56	\$ 3.63	\$(-2.41)
21 OTHER DIRECT COSTS			
22 MISCELLANEOUS LIVESTOCK EXPENSE	\$.29	\$.28	\$.25
23 VETERINARY EXPENSE	.30	.45	.13
24 CUSTOM WORK	.22	.28	.17
25 SPECIAL HIRED LABOR	.06	.13	
26 TOTAL OTHER DIRECT COSTS	\$.87	\$ 1.14	\$.55
27 RETURN OVER FEED & OTHER DIRECT COSTS	\$ (-.31)	\$ 2.49	\$(-2.96)
28 ALLOCATED COSTS			
29 POWER & MACHINERY COSTS	\$.79	\$.85	\$.72
30 LIVESTOCK EQUIPMENT COSTS	1.55	1.96	1.12
31 BUILDING & FENCES	1.56	1.64	1.48
32 TOTAL ALLOCATED COSTS	\$ 3.90	\$ 4.45	\$ 3.32
33 RETURN OVER ALL LISTED COSTS	\$(-4.21)	\$(-1.96)	\$(-6.28)
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED	\$102.43	\$115.41	\$ 89.43
36 PRICE RECEIVED PER CWT.	\$ 40.04	\$ 41.71	\$ 38.20
37 AVERAGE WEIGHT OF PIGS SOLD, LBS.	232.9	229.5	240.6
38 AVERAGE PRICE PAID PER PIG BOUGHT	\$ 40.31	\$ 38.25	\$ 42.30
39 AVERAGE WEIGHT PER PIG BOUGHT, LBS.	43.2	47.9	40.1
40 NUMBER OF PIGS PURCHASED	621	438	700
41 NO. OF PIGS TRANSFERRED IN	166	286	63
42 AVG. WT. OF PIGS TRANSFERRED IN	52.4	43.9	92.5
43 POUNDS OF PORK PURCHASED, LBS.	26,847	23,155	28,095
44 PERCENT DEATH LOSS	2.2	2.6	1.4
45 PRICE PER CWT. CONCENTRATE FED	\$ 6.12	\$ 6.02	\$ 6.29
46 PRICE/CWT. PROT., SALT & MIN. FED	\$ 15.17	\$ 14.80	\$ 15.80
47 EFFECTIVE DAILY GAIN-LB/DAY/PIG	1.34	1.35	1.35
48 TOTAL LISTED COSTS/CWT. PORK PROD.	\$ 27.96	\$ 29.13	\$ 26.70

*FARMS INCLUDED IN TABLE 11B EITHER PURCHASED FEEDER PIGS OR TRANSFERRED HOME-FARROWED PIGS TO THE FINISHING LOTS. FEED COSTS AND RETURNS DO NOT INCLUDE ANY BREEDING HERD MAINTENANCE COSTS.

TABLE 11C-6510 - HOGS, WEANING PIG PRODUCTION - 1979 - S.W.

ITEMS	Average of 8 Farms
1 NUMBER OF LITTERS FARROWED	126
	Per Litter
2 NET INCREASE IN VALUE OF HOGS	\$269.47
3 OTHER MISCELLANEOUS WEANING PIGS INCOME	
4 TOTAL VALUE PRODUCED	\$269.47
5 POUNDS OF FEED FED	
6 CORN	1,019.0
7 SMALL GRAIN	132.7
8 COMPLETE RATION	1,788.7
9 PROTEIN, SALT & MINERAL & MILK	310.9
10 TOTAL CONCENTRATES	3,251.3
11 FORAGES	
12 FEED COST	
13 GRAINS	\$ 46.29
14 COMPLETE RATION	56.19
15 PROTEIN, SALT & MINERAL & MILK	54.34
16 FORAGES	
17 PASTURE	
18 TOTAL FEED COSTS	\$156.82
19 RETURN OVER FEED COSTS	\$112.65
20 OTHER DIRECT COSTS	
21 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 19.01
22 VETERINARY EXPENSE	12.43
23 CUSTOM WORK	2.46
24 SPECIAL HIRED LABOR	.25
25 TOTAL OTHER DIRECT COSTS	\$ 34.15
26 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 78.50
27 ALLOCATED COSTS	
28 POWER & MACHINERY COSTS	\$ 15.06
29 LIVESTOCK EQUIPMENT COSTS	29.28
30 BUILDING & FENCES	17.81
31 TOTAL ALLOCATED COSTS	\$ 62.15
32 RETURN OVER ALL LISTED COSTS	\$ 16.35
33 SUPPLEMENTARY MANAGEMENT INFORMATION	
34 RETURN FOR \$100 FEED FED	\$171.84
35 AVERAGE PRICE RECEIVED PER ANIMAL SOLD	\$ 50.59
36 AVERAGE PRICE PER PIG SOLD OR TRANSFERRED	\$ 39.27
37 AVERAGE WEIGHT PER PIG SOLD OR TRANSFERRED	48.3
38 NUMBER OF PIGS PRODUCED	954
39 NUMBER OF PIGS BORN PER LITTER	9.1
40 NUMBER OF PIGS WEANED PER LITTER	7.9
41 PERCENT DEATH LOSS	13.2
42 PRICE PER CWT. CONCENTRATE FED	\$ 4.82
43 PRICE PER CWT. PROTEIN, SALT & MINERAL FED	\$ 17.48
44 FEED & SUPPLEMENTAL COSTS PER PIG PRODUCED	\$ 25.22
45 TOTAL LISTED COSTS PER LITTER	\$253.12

TABLE 11D-6530 - HOGS, MIXED SYSTEMS - 1979 - S.W.

ITEMS	Average of 24 Farms	12 Farms Highest in Return Above Feed Cost	12 Farms Lowest in Return Above Feed Cost
1 POUNDS OF HOGS PRODUCED	200,588	256,607	144,570
2 NET INCREASE IN VALUE OF HOGS	Per Cwt. \$ 38.10	Per Cwt. \$ 40.34	Per Cwt. \$ 34.13
3 OTHER MISCELLANEOUS HOG INCOME			
4 TOTAL VALUE PRODUCED	\$ 38.10	\$ 40.34	\$ 34.13
5 POUNDS OF FEED FED			
6 CORN	290.1	262.6	338.7
7 SMALL GRAIN	13.5	11.6	16.9
8 COMPLETE RATION	55.5	51.0	63.6
9 PROTEIN, SALT & MINERAL & MILK	69.1	72.3	63.4
10 TOTAL CONCENTRATES	428.2	397.5	482.6
11 FORAGES	1.2	1.6	.3
12 FEED COST			
13 GRAINS	\$ 12.08	\$ 11.02	\$ 13.96
14 COMPLETE RATION	5.03	4.09	6.69
15 PROTEIN, SALT & MINERAL & MILK	10.31	10.33	10.28
16 FORAGES	.02	.03	.01
17 PASTURE		.01	
18 TOTAL FEED COSTS	\$ 27.44	\$ 25.48	\$ 30.94
19 RETURN OVER FEED COSTS	\$ 10.66	\$ 14.86	\$ 3.19
20 OTHER DIRECT COSTS			
21 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 1.31	\$ 1.37	\$ 1.20
22 VETERINARY EXPENSE	1.26	1.53	.78
23 CUSTOM WORK	.67	.78	.49
24 SPECIAL HIRED LABOR	.40		1.10
25 TOTAL OTHER DIRECT COSTS	\$ 3.64	\$ 3.68	\$ 3.57
26 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 7.02	\$ 11.18	\$ (-.38)
27 ALLOCATED COSTS			
28 POWER & MACHINERY COSTS	\$ 1.16	\$ 1.11	\$ 1.28
29 LIVESTOCK EQUIPMENT COSTS	1.90	1.55	2.41
30 BUILDING & FENCES	1.61	1.72	1.53
31 TOTAL ALLOCATED COSTS	\$ 4.67	\$ 4.38	\$ 5.22
32 RETURN OVER ALL LISTED COSTS	\$ 2.35	\$ 6.80	\$ (-5.60)
33 SUPPLEMENTARY MANAGEMENT INFORMATION			
34 RETURN FOR \$100 FEED FED	\$138.87	\$158.33	\$110.31
35 PRICE RECEIVED/CWT. ALL ANIMALS	\$ 44.24	\$ 45.41	\$ 42.43
36 PRICE RECEIVED/CWT. SOLD MKT. ONLY	\$ 46.41	\$ 42.03	\$ 54.64
37 NUMBER OF LITTERS FARROWED	149	202	97
37A LITTERS/BEARING FEMALE/YEAR	.9	.9	.9
38 NUMBER OF PIGS BORN PER LITTER	9.6	9.7	9.5
39 NUMBER OF PIGS WEANED PER LITTER	7.6	7.9	6.9
40 PERCENT DEATH LOSS	17.7	16.3	20.3
41 AVERAGE WEIGHT OF ALL HOGS SOLD	179.8	171.3	195.0
42 AVERAGE WEIGHT OF MKT. HOGS SOLD	197.3	218.6	167.0
43 PRICE PER CWT. CONCENTRATE FED	\$ 6.40	\$ 6.40	\$ 6.41
44 PRICE/CWT. PROTEIN, SALT & MINERAL	\$ 14.92	14.29	\$ 16.21
45 POUNDS OF PORK PURCHASED	4,613	2,224	7,002
46 TOTAL LISTED COSTS/CWT. PORK PROD.	\$ 35.75	\$ 33.54	\$ 39.73

TABLE 12-6290 - COSTS AND RETURNS FROM DAIRY COWS, COMMERCIAL HERDS - 1979 - S.W.

ITEMS	Average of 22 Farms	11 Farms	11 Farms
		Highest in Return Above Feed Costs	Lowest in Return Above Feed Costs
1 AVERAGE NUMBER OF COWS	47.8	54.8	40.8
	Per Cow	Per Cow	Per Cow
2 POUNDS OF MILK	12,905	13,809	11,691
3 POUNDS OF BUTTERFAT	463.4	495.0	420.9
4 PERCENT OF BUTTERFAT IN MILK	3.6	3.6	3.6
5 VALUE OF PRODUCE			
6 DAIRY PRODUCTS SOLD	\$1,417.59	\$1,535.88	\$1,258.73
7 DAIRY PRODUCTS USED IN HOME	8.74	10.35	6.59
8 MILK FED TO LIVESTOCK	15.36	14.80	16.10
9 NET INCREASES IN VALUE OF COWS	9.62	40.04	(-31.23)
10 OTHER MISCELLANEOUS DAIRY INCOME			
11 TOTAL VALUE PRODUCED	\$1,451.31	\$1,601.07	\$1,250.19
12 POUNDS OF FEED FED			
13 CORN	4,845.5	4,921.7	4,743.0
14 SMALL GRAIN	304.9	323.6	279.9
15 COMPLETE RATION	83.9		196.5
16 PROTEIN, SALT & MINERAL	1,125.8	1,296.0	897.3
17 TOTAL CONCENTRATES	6,360.1	6,541.3	6,116.7
18 LEGUME HAY	7,340.3	8,715.3	5,493.3
19 OTHER HAY & DRY ROUGHAGE	15.6	9.9	23.2
20 SILAGE	11,160.1	5,248.8	19,099.8
21 FEED COSTS			
22 GRAINS	\$ 207.82	\$ 212.21	\$ 201.94
23 COMPLETE RATION	6.32		14.78
24 PROTEIN, SALT & MINERAL	133.16	147.23	114.26
25 ALL HAY & DRY ROUGHAGE	147.49	174.84	110.74
26 SILAGE	75.90	39.34	125.02
27 PASTURE	1.09	1.31	.78
28 TOTAL FEED COSTS	\$ 571.78	\$ 574.93	\$ 567.52
29 RETURN OVER FEED COSTS	\$ 879.53	\$1,026.14	\$ 682.67
30 OTHER DIRECT COSTS			
31 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 66.67	\$ 71.66	\$ 59.98
32 VETERINARY EXPENSE	25.61	25.29	26.05
33 CUSTOM WORK HIRED	49.83	55.42	42.33
34 SPECIAL HIRED LABOR	2.95	.47	6.27
35 TOTAL OTHER DIRECT COSTS	\$ 145.06	\$ 152.84	\$ 134.63
36 RET. OVER FEED & OTHER DIRECT COSTS	\$ 734.47	\$ 873.30	\$ 548.04
37 ALLOCATED COSTS			
38 POWER & MACHINERY COSTS	\$ 65.84	\$ 66.90	\$ 64.16
39 LIVESTOCK EQUIPMENT COSTS	68.58	63.84	75.01
40 BUILDING & FENCES	66.85	50.08	88.87
41 TOTAL ALLOCATED COSTS	\$ 201.27	\$ 180.82	\$ 228.04
42 RETURN OVER ALL LISTED COSTS	\$ 533.20	\$ 692.48	\$ 320.00
43 SUPPLEMENTARY MANAGEMENT INFORMATION			
44 RETURN FOR \$100 FEED FED	\$ 253.83	\$ 278.48	\$ 220.29
45 FEED COST PER CWT. MILK	\$ 4.43	\$ 4.16	\$ 4.86
46 FEED COST PER POUND OF BUTTERFAT	\$ 1.23	\$ 1.16	\$ 1.35
47 POUNDS OF MILK/POUND OF CONCEN	2.03	2.11	1.91
48 AVERAGE PRICE PER CWT. MILK SOLD	\$ 11.15	\$ 11.29	\$ 10.94
49 AVERAGE PRICE/POUND OF BUTTERFAT	\$ 3.11	\$ 3.15	\$ 3.04
50 TOTAL LISTED COSTS/CWT MILK PROD.	\$ 7.11	\$ 6.58	\$ 7.96
51 DAIRY COW TURNOVER PERCENTAGE	31.4	29.2	34.3
52 TOTAL LISTED COSTS PER COW	\$ 918.11	\$ 908.59	\$ 930.19

TABLE 13-6310 - COSTS AND RETURNS FROM OTHER DAIRY CATTLE COMMERCIAL HERD REPLACEMENTS-SW

ITEMS	Average of 24 Farms	12 Highest in Return Above Feed Per Cow	12 Lowest in Return Above Feed Per Cow
1 NUMBER OF HEAD	60.3	55.0	65.5
	Per Head	Per Head	Per Head
2 NET INCREASE IN VALUE	\$ 308.21	\$ 382.95	\$ 245.92
3 OTHER MISCELLANEOUS INCOME			
4 TOTAL INCOME	\$ 308.21	\$ 382.95	\$ 245.92
5 POUNDS OF FEED FED			
6 CORN	1,042.9	1,047.7	1,040.4
7 SMALL GRAIN	181.6	192.4	172.8
8 COMPLETE RATION	10.5	6.1	14.2
9 PROTEIN, SALT & MINERALS	233.1	251.5	218.0
10 HAY & DRY ROUGHAGE	2,579.5	1,533.3	3,461.8
11 SILAGE	4,165.3	4,584.9	3,819.3
12 MILK	97.3	81.6	110.6
13 FEED COST			
14 GRAINS	\$ 49.19	\$ 49.89	\$ 48.66
15 COMPLETE RATION	1.08	.62	1.47
16 PROTEIN, SALT & MINERALS	30.36	21.38	37.95
17 HAY & DRY ROUGHAGE	45.44	30.87	57.73
18 SILAGE	30.18	33.95	27.07
19 MILK	11.72	10.67	12.63
20 PASTURE	3.88	2.31	5.22
21 TOTAL FEED COSTS	\$ 171.85	\$ 149.69	\$ 190.73
22 RETURN OVER FEED COSTS	\$ 136.36	\$ 233.26	\$ 55.19
23 OTHER DIRECT COSTS			
24 MISCELLANEOUS EXPENSE	\$ 9.55	\$ 9.85	\$ 9.30
25 VETERINARY EXPENSE	6.40	3.22	9.08
26 CUSTOM WORK HIRED	2.82	2.22	3.33
27 SPECIAL HIRED LABOR	2.75		5.05
28 TOTAL OTHER DIRECT COSTS	\$ 21.52	\$ 15.29	\$ 26.76
29 RET. OVER FEED & OTHER DIRECT COSTS	\$ 114.84	\$ 217.97	\$ 28.43
30 ALLOCATED COSTS			
31 POWER & MACHINERY COSTS	\$ 11.52	\$ 11.09	\$ 11.84
32 LIVESTOCK EQUIPMENT COSTS	11.20	10.20	11.89
33 BUILDING & FENCES	10.65	10.61	10.47
34 TOTAL ALLOCATED COSTS	\$ 33.37	\$ 31.90	\$ 34.20
35 RETURN OVER ALL LISTED COSTS	\$ 81.47	\$ 186.07	\$ (-5.77)
36 SUPPLEMENTARY MANAGEMENT INFORMATION			
37 RETURN FOR \$100 FEED FED	\$ 179.34	\$ 255.82	\$ 128.94
38 PERCENT DEATH LOSS - TOTAL	11.1	9.3	12.6
39 PERCENT CALF DEATH LOSS	26.7	18.8	34.9
40 TOTAL LISTED COSTS PER COW	\$ 226.74	\$ 196.88	\$ 251.69

TABLE 13-6310 PERTAINS TO YOUNG DAIRY CATTLE ONLY. THE HIGH AND LOW CATEGORIES ARE BASED ON RETURNS ABOVE FEED COST OF THE COWS (TABLE 12) FOR THESE SAME FARMS.

TABLE 14 - COSTS AND RETURNS FROM ALL DAIRY CATTLE - 1979 - S.W.

ITEMS	Average of 23 Farms	11 Farms	11 Farms
		Highest in Return Above Feed Costs	Lowest in Return Above Feed Costs
1 AVERAGE NUMBER OF COWS	49.3	47.2	49.5
	Per Cow	Per Cow	Per Cow
2 VALUE OF DAIRY PRODUCTS	\$ 1,423.69	\$ 1,525.68	\$ 1,304.48
3 NET INCREASE IN VALUE	393.31	548.01	278.36
4 MISCELLANEOUS DAIRY INCOME			
5 TOTAL VALUE PRODUCED	\$ 1,817.00	\$ 2,073.69	\$ 1,582.84
6 POUNDS OF FEED FED PER COW			
7 GRAINS	6,524.8	7,501.3	5,576.8
8 COMPLETE RATIONS	91.2	199.2	
9 PROT., SALT & MIN., INCL MILK EQUIV	1,375.5	1,584.0	1,206.6
10 HAY & DRY ROUGHAGE	10,516.3	10,819.3	9,955.9
11 SILAGE	15,636.3	14,661.0	18,251.6
12 FEED COST PER COW			
13 GRAINS	\$ 262.76	\$ 303.52	\$ 223.31
14 COMPLETE RATIONS	7.22	15.78	
15 PROT., SALT & MIN., INCL MILK	180.06	189.60	172.63
16 HAY & DRY ROUGHAGE	202.80	216.40	187.11
17 SILAGE	108.68	108.75	120.18
18 PASTURE COSTS	5.96	4.26	8.38
19 TOTAL FEED COSTS	\$ 767.48	\$ 838.31	\$ 711.61
20 RETURN OVER FEED COSTS PER COW	\$ 1,049.52	\$ 1,235.38	\$ 871.23
21 OTHER DIRECT COSTS			
22 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 78.28	\$ 83.58	\$ 70.30
23 VETERINARY EXPENSE	33.47	30.47	33.86
24 CUSTOM WORK	52.09	55.57	48.26
25 SPECIAL HIRED LABOR	15.42	.55	31.58
26 TOTAL OTHER DIRECT COSTS	\$ 179.26	\$ 170.17	\$ 184.00
27 RET. OVER FEED & OTHER DIRECT COSTS	\$ 870.26	\$ 1,065.21	\$ 687.23
28 ALLOCATED COSTS			
29 POWER & MACHINERY COSTS	\$ 79.26	\$ 81.48	\$ 76.43
30 LIVESTOCK EQUIPMENT COSTS	82.49	103.88	77.39
31 BUILDING & FENCES	78.77	67.14	96.78
32 TOTAL ALLOCATED COSTS	\$ 240.52	\$ 252.50	\$ 250.60
33 RETURN OVER ALL LISTED COSTS	\$ 629.74	\$ 812.71	\$ 436.63
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED	\$ 236.75	\$ 247.37	\$ 222.43
36 TOTAL LISTED COSTS PER COW	\$ 1,187.26	\$ 1,260.98	\$ 1,146.21

TABLE 14 PRESENTS A PICTURE OF THE COSTS AND RETURNS FROM THE WHOLE DAIRY HERD, i.e., IT IS THE SUM OF TABLES 12 AND 13. THE INFORMATION IS PRESENTED ON A PER COW BASIS, WITH THE NUMBER OF COWS TAKEN FROM TABLE 12. RETURN ABOVE FEED COST IN TABLE 12 WAS USED IN TABLE 14.

TABLE 15A-6100 - COST AND RETURNS FROM BEEF BREEDING CATTLE, FARM, COMMERCIAL
HERD - 1979 - S.W.

ITEMS	Average of 20 Farms	10 Highest in Return Above Feed Cost	10 Lowest in Return Above Feed Cost
1 AVERAGE NUMBER OF BEEF COWS	66.2	66.9	65.4
2 AVG. NO. OTHER BEEF ANIMALS AND BULLS	40.0	43.1	36.8
3 POUNDS OF BEEF PRODUCED	25,016	27,388	22,645
	Per Cow	Per Cow	Per Cow
4 NET INCREASE IN VALUE	\$ 319.76	\$ 386.35	\$ 252.13
5 OTHER MISCELLANEOUS BEEF INCOME			
6 TOTAL VALUE PRODUCED	\$ 319.76	\$ 386.35	\$ 252.13
7 POUNDS OF FEED FED			
8 GRAIN	447.3	140.0	762.4
9 PROTEIN, SALT & MINERAL	130.8	73.0	190.2
10 LEGUME HAY	2,750.6	2,845.7	2,657.5
11 OTHER HAY & DRY ROUGHAGE	1,133.5	519.0	1,763.9
12 SILAGE	4,634.0	4,947.1	4,320.8
13 FEED COST			
14 GRAIN	\$ 17.89	\$ 5.46	\$ 30.63
15 PROTEIN, SALT & MINERAL	15.76	8.76	22.94
16 LEGUME HAY	55.02	56.91	53.15
17 OTHER HAY & DRY ROUGHAGE	10.42	4.33	16.67
18 SILAGE	35.20	36.71	33.69
19 PASTURE	37.27	46.23	28.15
20 TOTAL FEED COSTS	\$ 171.56	\$ 158.40	\$ 185.23
21 RETURN OVER FEED COST	\$ 148.20	\$ 227.95	\$ 66.90
22 OTHER DIRECT COSTS			
23 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 7.48	\$ 6.85	\$ 8.13
24 VETERINARY EXPENSE	7.22	6.52	7.94
25 CUSTOM WORK	1.59	.58	2.63
26 SPECIAL HIRED LABOR			
27 TOTAL OTHER DIRECT COSTS	\$ 16.29	\$ 13.95	\$ 18.70
28 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 131.91	\$ 214.00	\$ 48.20
29 ALLOCATED COSTS			
30 POWER & MACHINERY COSTS	\$ 14.18	\$ 13.44	\$ 14.95
31 LIVESTOCK EQUIPMENT COSTS	19.91	20.04	19.52
32 BUILDING & FENCES	19.94	21.53	17.35
33 TOTAL ALLOCATED COSTS	\$ 54.03	\$ 55.01	\$ 51.82
34 RETURN OVER ALL LISTED COSTS	\$ 77.88	\$ 158.99	\$ (-3.62)
35 SUPPLEMENTARY MANAGEMENT INFORMATION			
36 RETURN FOR \$100 FEED FED	\$ 186.39	\$ 243.91	\$ 136.12
37 PRICE PER CWT. SOLD	\$ 56.43	\$ 52.86	\$ 58.26
38 PRICE/CWT. CALVES SOLD OR TRANS.	\$ 82.75	\$ 85.40	\$ 79.89
39 AVERAGE WEIGHT PER HEAD SOLD	891.1	1,010.3	882.1
40 AVG. WEIGHT PER CALF SOLD OR TRANS.	431.3	457.5	398.0
41 PERCENT DEATH LOSS	5.1	3.0	7.2
42 PERCENT CALF CROP	94.2	95.7	94.1
43 TOTAL LISTED COSTS PER COW	\$ 241.88	\$ 227.36	\$ 255.75

TABLE 15A-6100 INCLUDES ONLY THOSE FARMS WITH TEN OR MORE COWS IN THE BEEF BREEDING HERD. NET INCREASE IN VALUE INCLUDES THE VALUE OF CALVES WHETHER SOLD OR TRANSFERRED TO THE FEED LOT.

TABLE 15B-6140 - COST AND RETURNS FROM BEEF FEEDER CATTLE, FEEDLOT - 1979 - S.W.

ITEMS	Average of 96 Farms	16 Farms	16 Farms
		Highest in Return Above Feed Costs	Lowest in Return Above Feed Costs
1 AVERAGE NUMBER OF BEEF FEEDERS	169.9	145.8	179.2
2 POUNDS OF BEEF PRODUCED	113,583	80,020	138,612
3 NET INCREASE IN VALUE OF ANIMALS	Per Cwt. \$ 54.41	Per Cwt. \$ 83.33	Per Cwt. \$ 37.47
4 OTHER MISCELLANEOUS BEEF INCOME			
5 TOTAL VALUE PRODUCED	\$ 54.41	\$ 83.33	\$ 37.47
6 POUNDS OF FEED FED			
7 GRAIN	528.3	559.1	534.6
8 PROTEIN, SALT & MINERAL	52.2	53.6	41.0
9 LEGUME HAY	143.6	240.2	123.9
10 OTHER HAY & DRY ROUGHAGE	8.8		5.4
11 SILAGE	920.4	1,174.5	1,009.9
12 FEED COST			
13 GRAIN	\$ 21.14	\$ 22.45	\$ 21.32
14 PROTEIN, SALT & MINERAL	5.70	4.90	6.22
15 LEGUME HAY	2.83	4.68	2.47
16 OTHER HAY & DRY ROUGHAGE	.16		.05
17 SILAGE	7.08	10.05	7.54
18 PASTURE	.01		
19 TOTAL FEED COST	\$ 36.92	\$ 42.08	\$ 37.60
20 RETURN OVER FEED COST	\$ 17.49	\$ 41.25	\$ (-.13)
21 OTHER DIRECT COSTS			
22 MISCELLANEOUS LIVESTOCK EXPENSE	\$.51	\$.83	\$.52
23 VETERINARY EXPENSE	.95	1.62	.71
24 CUSTOM WORK HIRED	1.31	1.46	.87
25 SPECIAL HIRED LABOR	.06		.04
26 TOTAL OTHER DIRECT COSTS	\$ 2.83	\$ 3.91	\$ 2.14
27 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 14.66	\$ 37.34	\$ (-2.27)
28 ALLOCATED COSTS			
29 POWER & MACHINERY COSTS	\$ 1.20	\$ 1.39	\$ 1.17
30 LIVESTOCK EQUIPMENT COSTS	1.71	2.04	1.46
31 BUILDINGS & FENCES	1.60	2.05	1.43
32 TOTAL ALLOCATED COSTS	\$ 4.51	\$ 5.48	\$ 4.06
33 RETURN OVER ALL LISTED COSTS	\$ 10.15	\$ 31.86	\$ (-6.33)
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED	\$ 147.36	\$ 198.03	\$ 99.66
36 PRICE PER CWT. SOLD	\$ 64.76	\$ 67.06	\$ 64.38
37 AVERAGE WEIGHT PER HEAD SOLD	1,055.4	1,051.2	1,060.1
38 PRICE PER CWT. BOUGHT	\$ 80.70	\$ 72.33	\$ 81.45
39 AVERAGE WEIGHT PER HEAD BOUGHT	634.3	683.8	675.5
40 NUMBER OF HEAD BOUGHT	227	172	304
41 PERCENT DEATH LOSS	.9	.8	1.5
42 EFFECTIVE DAILY GAIN-LBS./HEAD/DAY	1.83	1.50	2.12
43 TOTAL LISTED COST/CWT. PRODUCED	\$ 44.26	\$ 51.47	\$ 43.80

TABLE 16A-6670 - COST AND RETURNS FROM SHEEP, FARM FLOCK, COMMERCIAL - 1979 - S.W.

ITEMS	Average of 9 Farms
1 AVERAGE NUMBER OF EWES	79.9
2 POUNDS OF LAMB & MUTTON PRODUCED	7,088
3 POUNDS OF WOOL PRODUCED	909
4 VALUE OF PRODUCE	Per Ewe
5 WOOL	\$ 9.23
6 NET INCREASE IN VALUE OF ANIMALS	77.71
7 OTHER MISCELLANEOUS SHEEP INCOME	
8 TOTAL VALUE PRODUCED	\$ 86.94
9 POUNDS OF FEED FED	
10 GRAIN	370.1
11 PROTEIN, SALT & MINERAL	124.3
12 LEGUME HAY	1,249.1
13 OTHER HAY & DRY ROUGHAGE	14.1
14 SILAGE	8.5
15 FEED COST	
16 GRAIN	\$ 14.87
17 PROTEIN, SALT & MINERAL	11.57
18 LEGUME HAY	23.94
19 OTHER HAY & DRY ROUGHAGE	.24
20 SILAGE	.06
21 PASTURE	1.85
22 TOTAL FEED COSTS	\$ 52.53
23 RETURN OVER FEED COSTS	\$ 34.41
24 OTHER DIRECT COSTS	
25 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 2.88
26 VETERINARY EXPENSE	1.93
27 CUSTOM WORK	3.07
28 SPECIAL HIRED LABOR	.14
29 TOTAL OTHER DIRECT COSTS	\$ 8.02
30 RETURN OVER FEED AND OTHER DIRECT COSTS	\$ 26.39
31 ALLOCATED COSTS	
32 POWER & MACHINERY COSTS	\$ 12.78
33 LIVESTOCK EQUIPMENT COSTS	16.83
34 BUILDING & FENCES	10.48
35 TOTAL ALLOCATED COSTS	\$ 40.09
36 RETURN OVER ALL LISTED COSTS	\$(-13.70)
37 SUPPLEMENTARY MANAGEMENT INFORMATION	
38 RETURN FOR \$100 FEED FED	\$ 165.48
39 PRICE PER CWT. LAMB & MUTTON SOLD	\$ 74.34
40 PRICE PER CWT. LAMB SOLD OR TRANSFERRED	\$ 97.34
41 AVERAGE WEIGHT OF LAMBS SOLD OR TRANSFERRED	103.4
42 POUNDS OF WOOL PER SHEEP SHEARED	8.4
43 NUMBER OF EWES KEPT FOR LAMBING	76
44 PERCENT LAMB CROP	126.3
45 PERCENT DEATH LOSS	12.6
46 TOTAL LISTED COSTS PER EWE	\$ 100.64

Southwestern Minnesota Farm Management Association
1979 County Averages

County	S.W. Assn.	Cottonwood	Jackson	Martin Faribault Watonwan	Pipestone Murray	Nobles	Redwood
Number of Farms	179	28	21	32	36	34	26
Size of Farm Acres Total	527	515	463	442	577	528	609
Tillable Acres	473	473	428	408	505	486	523
Farm Capital Invested/Worker	\$ 633,124	\$ 708,785	\$ 638,719	\$ 689,031	\$ 546,765	\$ 626,395	\$ 604,838
Total Farm Capital 12/31 <u>a/</u>	\$1,208,458	\$1,370,817	\$1,155,638	\$1,245,115	\$1,074,586	\$1,240,883	\$1,181,189
Increase in Farm Capital 1/1 - 12/31 <u>b/</u>	\$ 33,802	\$ 57,723	\$ 26,555	\$ 39,484	\$ 40,874	\$ 21,232	\$ 21,637
Total Farm Receipts	255,090	281,607	214,406	248,010	259,365	271,441	239,402
Total Farm Expenses	289,279	341,718	247,142	275,868	271,048	305,188	288,840
Return to Lab. & Mgmt. Wh. Farm, Land=Mkt Value	(-34,189)	(-60,111)	(-32,736)	(-27,858)	(-11,683)	(-33,747)	(-49,439)
Return to Lab. & Mgmt. Wh. Farm, Land=Book Value	14,842	(-755)	18,506	24,328	24,308	16,810	(-2,790)
Total Cash Living Expenses <u>c/</u>	\$ 13,882	\$ 16,080	\$ 17,058	\$ 14,116	\$ 10,888	\$ 14,199	\$ 13,494
Total Household & Personal Living Expenses <u>c/</u>	31,498	31,885	50,095	62,891	20,071	23,860	24,610
Farmer's Net Worth 12/31 <u>c/</u>	556,268	802,724	538,796	567,551	450,529	396,154	627,276
Gain in Net Worth <u>c/</u>	12,946	(-1,492)	6,858	15,175	34,748	5,384	1,085
Ratio of Assets to Liabilities 12/31 <u>c/</u>	4.036	4.712	3.939	4.068	3.777	3.333	4.313
Operator's Share - Return to Labor & Mgmt. <u>a/</u>	\$ (-6,707)	\$ (-25,341)	\$ (-8,233)	\$ (-7,048)	\$ 10,709	\$ (-6,516)	\$ (-10,091)
Ret. Op. & Fam. Labor, Mgmt, & Equity Capital	28,746	27,330	18,862	26,210	39,760	24,711	29,378
Net Cash Operating Income	39,308	37,324	35,797	32,726	41,709	38,554	47,573
Oats Yield per Acre (bu.)	60.0	55.5	43.2	71.1	60.6	62.9	49.3
Total Crop Return per Acre	\$ 93.75	\$ 97.91	\$ 72.35	\$ 120.98	\$ 94.73	\$ 94.62	\$ 67.27
Return Over All Listed Costs per Acre	(-42.71)	(-55.67)	(-82.63)	(-44.00)	(-23.34)	(-38.76)	(-72.89)
Cost of Production per Bushel	2.27	2.77	3.59	2.32	1.95	2.12	2.85
Wheat Yield per Acre (bu.)	29.5	26.0	31.9	24.4	-	16.6	31.0
Total Crop Return per Acre	\$ 128.87	\$ 114.12	\$ 153.14	\$ 97.78	-	\$ 54.65	\$ 140.54
Return Over All Listed Costs per Acre	(-20.27)	(-60.86)	10.71	(-78.72)	-	(-88.74)	11.68
Cost of Production per Bushel	5.05	6.72	4.47	7.22	-	8.65	4.15
Alfalfa Hay Yield per Acre (tons)	4.9	5.3	4.6	4.8	4.5	5.3	4.8
Total Crop Return per Acre	\$ 195.34	\$ 213.33	\$ 183.19	\$ 193.28	\$ 179.85	\$ 212.54	\$ 193.10
Return Over All Listed Costs per Acre	21.20	21.05	(-36.38)	(-10.51)	41.75	43.98	(-36)
Cost of Production per Ton	35.70	36.05	47.94	42.18	30.85	31.72	40.07
Corn Silage Yield per Acre (tons)	15.2	17.3	15.0	18.5	14.7	15.7	13.4
Total Crop Return per Acre	\$ 228.18	\$ 257.15	\$ 224.71	\$ 277.06	\$ 220.45	\$ 233.09	\$ 202.29
Return Over All Listed Costs per Acre	24.28	26.14	21.47	36.63	44.47	26.73	.38
Cost of Production per Ton	3.38	13.38	13.57	13.02	11.97	13.11	15.12

a/ Land at market price b/ Land price constant - 1/1/79 and 12/31/79

c/ Average of those reporting, as not all farms reported this item

Southwestern Minnesota Farm Management Association - 1979 County Averages - (cont.)

County	S.W. Assn.	Cottonwood	Jackson	Martin Faribault Watonwan	Pipestone Murray	Nobles	Redwood
Corn Yield per Acre (bu.)	107.5	109.3	119.0	133.0	94.4	106.4	91.0
Total Crop Return per Acre	\$216.55	\$ 222.90	\$238.29	\$266.86	\$192.64	\$214.43	\$ 181.77
Fertilizer (Costs per Acre)	\$ 32.26	\$ 42.04	\$ 38.39	\$ 42.57	\$ 24.71	\$ 26.94	\$ 26.37
Chemicals	13.25	12.83	16.16	15.34	13.06	12.63	10.66
Seed & Other	22.68	23.13	26.35	27.12	19.54	21.51	21.66
Custom Work Hired	3.85	2.78	13.78	3.11	2.52	3.32	1.71
Machinery - Ownership	27.61	29.74	24.94	26.56	27.15	26.94	30.83
Machinery - Operation	22.30	23.86	22.22	23.37	21.35	20.75	22.94
Interest on Machinery	6.96	7.26	5.67	7.58	6.77	7.11	7.01
Land Cost	87.31	91.90	97.43	104.22	69.05	89.50	79.11
Return Over All Listed Costs	(-.09)	(-10.93)	(-7.87)	16.44	8.49	5.06	(-18.23)
Cost of Production per Bushel	2.02	2.14	2.07	1.88	1.95	1.97	2.20
Soybeans Yield per Acre (bu.)	31.2	27.9	34.7	36.5	30.7	34.1	23.9
Total Crop Return per Acre	\$191.61	\$ 177.33	\$212.46	\$222.95	\$192.02	\$199.39	\$ 150.61
Fertilizer (Costs per Acre)	\$ 1.97	\$ 2.01	\$ 2.14	\$ 3.01	\$ 1.23	\$ 1.05	\$ 2.69
Chemicals	12.05	12.65	10.99	12.53	12.03	11.98	11.85
Seed & Other	11.93	10.16	14.11	15.22	12.66	10.80	9.82
Special Hired Labor	1.66	1.67	2.89	1.76	1.00	1.04	2.04
Custom Work Hired	2.96	2.12	11.08	1.71	2.24	2.07	.93
Machinery - Ownership	22.85	24.24	20.50	22.58	22.17	21.73	25.23
Machinery - Operation	18.37	19.48	18.42	18.43	17.13	17.27	19.34
Interest on Machinery	5.75	6.02	4.43	6.43	5.63	5.88	5.80
Land Cost	88.87	92.41	97.32	107.06	68.82	90.58	
Return Over All Listed Costs	25.20	6.57	30.58	34.22	1.60	36.99	(-6.88)
Cost of Production per Bushel	5.33	6.11	5.25	5.17	4.65	4.76	6.58
RETURN OVER LISTED COSTS							
Hogs, Farrow-to-Finish per Cwt.	\$ 3.51	\$ 4.28	\$ 4.83	\$ 1.50	\$ 2.01	\$ 2.80	\$ 8.03
Dairy Cows per Head	533.20	418.58	534.29	441.38	556.11	701.76	528.47
Beef Cows per Head	77.88	5.89	81.77	-	(-9.21)	41.80	143.21
Beef Feeders per Cwt.	10.15	16.20	3.64	(-2.49)	17.39	5.84	10.79
TOTAL LISTED COST PER UNIT PRODUCED							
Hogs, Farrow-to-Finish per Cwt.	\$ 33.77	\$ 32.93	\$ 32.56	\$ 32.28	\$ 33.93	\$ 35.96	\$ 34.34
Dairy Cows per Cwt. Milk	7.11	7.64	6.24	7.67	11.03	6.38	6.87
Beef Cows per Head	241.88	252.81	208.56	-	293.17	207.30	225.70
Beef Feeders per Cwt.	44.26	45.38	46.21	53.28	43.05	39.90	44.58

Southwestern Minnesota Farm Management Association
1979 Averages by Type of Farm

ITEM	Average All Farms	Cash Crop	Cash Crop Plus Dairy	Cash Crop Plus Hog Complete	Cash Crop Plus Beef Feeder Cattle
Number of Farms	183	42	13	36	22
Land					
Acres per Farm	526.7	474.1	412.2	525.4	711.1
Acres Tillable	472.8	440.6	373.8	483.4	638.7
% Tillable in High Return Crops	90.4	96.6	84.7	94.9	90.7
% Tillable in Corn & Corn Silage	46.5	42.9	40.9	46.8	45.3
% Tillable in Soybeans	41.6	50.6	36.8	47.2	38.6
% Tillable in Alfalfa	4.1	0.8	13.3	1.4	4.6
Labor					
Number of Workers	1.94	1.53	1.91	2.16	2.23
Total Work Units	548	314	613	553	712
Work Units in Crops	233	218	185	238	315
Work Units in Livestock	290	28	424	293	376
Units per Worker	283	205	321	256	319
Capital					
Average Farm Capital Managed ^{a/}	\$1,228,261	\$1,083,001	\$905,430	\$1,275,372	\$1,653,420
Capital Managed per Worker ^{a/}	\$ 633,124	\$ 707,844	\$474,047	\$ 590,450	\$ 741,444
Earnings: Operator's Share					
Net Cash Operating Income	\$ 39,308	\$ 34,734	\$ 38,133	\$ 50,929	\$ 44,072
Ret to Operator Labor & Mgmt	\$ (-6,707)	\$ (-8,242)	\$ 22,948	\$ (-312)	\$ (-20,223)
Ret Op & Fam Lab, Mgmt, Equity Cap.	\$ 28,746	\$ 27,919	\$ 40,610	\$ 28,567	\$ 32,398
Return to Capital - Whole Farm (%)	2.8	2.5	5.3	3.0	3.6
Total Farm Sales	\$ 214,191	\$ 113,122	\$140,724	\$ 197,445	\$ 364,579
Total Value Added	\$ 111,919	\$ 84,203	\$119,785	\$ 117,091	\$ 146,360
Proportion of Value Added (%)					
From Livestock	26.8	2.2	42.3	24.4	27.2
From Crops	69.8	91.6	55.5	71.5	69.5
Expenses					
Cash Exp./\$100 Sales	\$ 67.5	\$ 48.6	\$ 50.9	\$ 57.7	\$ 75.9
Purchases/\$100 Sales	\$ 91.1	\$ 79.0	\$ 80.2	\$ 95.8	\$ 87.8
Yields Per Acre					
Corn (Bushels)	107.5	112.4	111.8	113.1	99.0
Soybeans (Bushels)	31.2	31.4	33.5	30.9	32.9
Alfalfa (Tons)	4.9	3.8	4.8	4.9	4.9
Corn Silage (Tons)	15.2	17.7	16.7	13.9	14.6

^{a/} Land at market price.

Summary by Years - S.W.
Whole Farm Basis

ITEMS	Average 1940-49	Average 1950-59	Average 1960-69	Average 1970-78	1974	1975	1976	1977	1978	1979
Receipts										
Cash Flow										
From Livestock	\$ 12243	\$ 22160	\$ 37449	\$ 86548	\$ 95266	\$ 91386	\$ 97325	\$ 95360	\$124367	\$141237
From Crops	2959	4906	11204	39788	53859	45042	42314	46225	61288	65895
Other	898	965	1610	4474	5158	5536	6059	5308	6473	7058
Subtotal Cash	\$ 16100	\$ 28031	\$ 50263	\$130810	\$154283	\$141964	\$145698	\$146893	\$192128	\$214190
Non-Cash										
Increase in Farm Capital	\$ 1693	\$ 1505	\$ 3890	\$ 21994	\$ --	\$ 9264	\$ --	\$ 30014	\$ 65821	\$ 33803
Family Living	605	417	291	448	535	503	501	454	500	567
Subtotal Non-Cash	\$ 2298	\$ 1922	\$ 4181	\$ 22442	\$ 535	\$ 9767	\$ 501	\$ 30468	\$ 66321	\$ 34370
Total Farm Receipts	\$ 18398	\$ 29953	\$ 54444	\$153252	\$154818	\$151731	\$146199	\$177361	\$258449	\$248560
Expenses										
Cash Flow										
Livestock Purch & Misc Exp	\$ 3046	\$ 7704	\$ 14339	\$ 32805	\$ 26082	\$ 27611	\$ 31128	\$ 33496	\$ 53260	\$ 65213
Feed Bought	2569	4907	7931	17926	18169	20120	24350	24390	25709	27095
Crops	616	1521	3836	13852	17881	17495	14250	16067	19583	20914
Custom Work Hired	268	565	1054	2268	2467	2556	2206	2687	3065	3648
Hired Labor	685	937	1270	3100	3208	3832	3655	3176	4128	4720
Real Estate Repair & Upkeep	227	316	388	1056	1072	1269	1318	1139	1676	1738
Mach & Equip: Rpr, Opn, Fuel	1073	2129	3399	7678	7891	8714	8424	9295	11636	12851
Real Estate Taxes	364	764	1682	3043	2742	3178	3089	3582	4074	4738
Gen Farm Exp. + Util.	133	311	515	1369	1319	1541	1819	1793	1996	3645
Subtotal Cash Op. Expense	\$ 8976	\$ 19154	\$ 34414	\$ 83097	\$ 80831	\$ 86316	\$ 90239	\$ 95625	\$125127	\$144562
Crop & Lvstk Mach & Equip Purch	1226	2122	3792	13082	14785	14641	15193	14897	22654	25094
R.E., Bldgs, Fence, Tile, Purch	495	857	1356	7118	5605	6693	4519	14257	16844	25459
Subtotal Asset Purchases	\$ 1721	\$ 2979	\$ 5148	\$ 20200	\$ 20390	\$ 21334	\$ 19712	\$ 29154	\$ 39498	\$ 50553
Subtotal Cash Expenses	\$ 10697	\$ 22133	\$ 39562	\$103297	\$101221	\$107650	\$109951	\$124779	\$164625	\$195115
Non-Cash										
Decrease in Farm Capital	--	--	--	--	(-3418)	--	(-1666)	--	--	--
Board Furnished Hired Labor	126	91	83	166	206	189	155	217	175	264
Interest on Farm Capital	1909	3319	6224	18815	21592	21974	23230	21029	29923	83409 ^{a/}
Unpaid Family Labor	341	368	579	3057	5244	4156	2498	2232	2379	3961
Subtotal Non-Cash Expense	\$ 2376	\$ 3778	\$ 6886	\$ 22038	\$ 23624	\$ 26319	\$ 24217	\$ 23478	\$ 32477	\$ 87634
Total Farm Expense	13073	25911	46448	125335	124845	133969	134168	148257	197102	282749
Return to Oper. Labor & Mgmt.	5325	4042	7996	27417	29973	17762	12031	29104	61347	(-34189) ^{a/}
Return to Oper. Labor & Mgmt. + Family Labor + Farm Capital	7575	7729	14799	49789	53597	44081	36248	52582	93824	53445

^{a/} Land valued at market price in 1979. All other years, land valued at cost.

Summary by Years - S.W.

Items	Average 1950-59	Average 1960-69	Average 1970-74	1974	1975	1976	1977	1978	1979
Number of Farms	170	140	146	145	140	124	169	183	179
Size: Total Acres	279	370	371	511	512	492	501	516	527
Tillable Acres	237	313	452	451	451	438	447	460	473
Work Units	470	515	483	542	515	531	515	512	548
No. of Workers	1.67	1.66	1.75	1.80	1.79	1.70	1.77	1.90	1.94
Farm Capital: Total on 12/31	\$62,735	\$121,551	\$233,751	\$306,757	\$318,725	\$331,018	\$365,498	\$459,313	\$1,208,458 ^{c/}
Change 1/1 - 12/31	1,688	3,834	15,619	(-3,418)	10,139	(-1,666)	30,014	63,673	33,802
Farmer's Net Worth: Total on 12/31	^{a/}	^{a/}	^{a/}	\$161,029	\$179,704	\$170,299	\$176,835	\$222,314	\$ 556,268 ^{c/}
Change 1/1 - 12/31	^{a/}	^{a/}	^{a/}	12,287	10,114	1,765	21,884	46,956	12,946
Ratio of Assets to Liabilities 12/31	^{a/}	^{a/}	^{a/}	2.87	2.96	1.69	2.42	2.45	4.04 ^{c/}
Total Cash Living Expense	^{a/}	^{a/}	\$ 12,710	\$ 18,225	\$ 17,927	\$ 23,227	\$ 13,753	\$ 18,371	\$ 25,589
Total Farm Receipts: OP Share -T6AL40	^{a/}	^{a/}	^{a/}	\$138,104	\$113,848	\$145,328	\$164,866	\$243,158	\$ 248,336
Total Farm Receipts: OP Share -T6BL46	^{a/}	^{a/}	^{a/}	121,390	125,113	138,183	146,239	192,101	255,043
Return to Oper. Labor & Mgmt. - T6BL47	^{a/}	^{a/}	^{a/}	16,714	12,937	7,145	25,197	51,056	(-6,707) ^{c/}
Return to Oper. Labor & Mgmt. plus Equity and Family Labor - T6BL48	^{a/}	^{a/}	^{a/}	25,905	21,497	16,657	33,063	62,473	28,746
Measures of Farm Org. & Mgmt. Efficiency									
Percent Land in High Return Crops	61.5	67.8	70.5	70.7	69.6	64.8	83.5	87.1	90.0
Livestock Units per 100 Acres	34.8	39.6	38.5	39.5	36.4	40.4	34.9	36.2	35.29
Work Units per Worker	281	310	276	301	287	312	291	269	283
Expenses per Work Unit	\$11.13	\$16.99	\$35.82	\$43.36	\$52.82	\$52.14	\$52.17	\$63.65	\$70.93
Monthly Charge For:									
Unpaid Family Labor	\$132	\$154	\$390	\$400	\$450	\$500	\$500	\$ 600	\$ 700
Second Operator	\$132	\$233	^{b/}	^{b/}	^{b/}	^{b/}	\$833	\$1,000	\$1,250
Board for Hired Labor	\$ 37	\$ 43	\$ 69	\$ 90	\$120	\$130	\$120	\$ 120	\$ 240

^{a/} Data from previous summaries not available in this form.

^{b/} Labor earnings were divided between the various partners.

^{c/} Land valued at market price in 1979. All other years, land valued at cost.

Summary of Miscellaneous Items by Years - S.W.

Items	Average 1960-64	Average 1965-69	Average 1970-74	1973	1974	1975	1976	1977	1978	1979
PRICE RECEIVED PER										
Pound of butterfat in milk	\$.94	\$ 1.19	\$ 1.64	\$ 1.77	\$ 2.11	\$ 2.16	\$ 2.49	\$ 2.46	\$ 2.70	\$ 3.11
100 lbs. of fat cattle	22.86	25.32	35.53	42.76	40.44	40.95	37.07	38.85	50.59	64.76
Pound of wool	.58	.54	.72	1.02	.41	.28	.63	1.36	1.03	1.09
Dozen of eggs	.27	.27	.31	.42	.42	.34	.47	--	--	--
100 lbs. of hogs sold	15.45	20.90	27.97	36.69	34.56	47.41	42.21	40.45	48.18	41.97
PRICE OF FEED										
Corn, bu.	.99	1.10	1.57	1.70	2.75	2.65	2.45	2.00	2.00	2.25
Oats, bu.	.61	.62	.83	.90	1.40	1.45	1.45	1.20	1.10	1.30
Barley, bu.	.91	.97	1.05 ^c /	1.55	--	--	--	--	1.80	2.00
Alfalfa hay, ton	19.40	20.80	26.20	30.00	40.00	60.00	70.00	55.00	40.00	40.00
Timothy hay, ton	11.22	12.00	10.70 ^c /	18.70	--	--	--	--	--	35.00
Corn silage, ton	6.60	7.36	9.15	10.00	14.00	20.00	22.00	16.00	15.00	15.00
ACRES PER FARM										
Small grains	39.5	27.1	24.2	22.8	30.8	29.2	55.5	45.3	22.7	13.4
Cultivated crops	187.0	251.5	331.2	370.7	391.2	391.7	350.5	376.0	390.3	423.6
Tillable land in hay	31.0	27.5	22.9	23.4	24.9	25.3	26.5	22.0	18.8	19.9
Tillable land in pasture	6.8	4.5	3.6	3.2	3.4	3.6	4.9	4.4	1.4	3.6
Tillable land not cropped	25.9 ^a /	44.1 ^a /	33.9 ^a /	9.8 ^a /	1.6	1.3	1.0	-0.8 ^d /	25.9	12.3
Total tillable land	290.2	354.7	415.8	429.9	451.9	451.1	438.4	446.9	459.9	472.8
Non-tillable land	44.6	48.5	55.9	55.8	59.1	60.9	53.4	54.3	56.4	53.8
Total acres per farm	334.8	403.2	471.7	485.7	511.0	512.0	491.8	501.2	516.3	526.6
YIELD PER ACRE										
Flax, bu.	13.6	16.4	15.8 ^b /	--	--	--	9.5	--	--	--
Oats, bu.	54.8	61.1	71.0	77.2	73.0	74.8	57.8	82.6	61.2	60.0
Corn for grain, bu.	71.3	84.3	91.7	95.4	67.8	72.5	57.6	105.5	114.7	107.5
Corn silage, ton	11.8	13.1	15.1	16.1	12.0	12.2	9.6	14.4	15.7	15.2
Soybeans, bu.	25.5	25.4	31.9	32.6	27.9	33.5	24.4	39.1	41.1	31.2
Alfalfa hay, ton	3.0	3.1	3.7	3.6	3.6	3.6	2.1	3.4	4.6	4.9

^a/ Including feed grain program^b/ 3-year average^c/ 4-year average^d/ Negative sign means that area double cropped exceeded area not cropped by the amount shown.

Summary of Miscellaneous Items by Years - S.W.

Item	Average 1960-64	Average 1965-69	Average 1970-74	1973	1974	1975	1976	1977	1978	1979
RETURN ABOVE FEED COST PER										
Dairy cow	\$140.97	\$226.79	\$330.58	\$371.53	\$303.48	\$301.13	\$523.31	\$583.30	\$775.00	\$879.53
100 lbs. feeder cattle prod.	1.94	5.74	2.91	7.54	-21.16	8.77	-7.43	8.99	29.88	17.49
Ewe	6.80	10.24	8.85	13.34	-1.63	4.56	12.99	34.58	26.91	34.41
100 lbs. hogs produced	4.28	8.71	10.41	20.53	7.28	22.95	11.95	17.20	27.75	11.38
Hen	.91	.78	1.04	2.08	2.82	1.10	2.98	--	--	--
Beef cow	*	*	33.63	106.05	-138.58	-77.73	-46.45	18.78	224.42	148.20
FEED COST PER										
Dairy cow	\$181.72	\$232.80	\$342.83	\$391.42	\$556.89	\$590.41	\$634.35	\$525.36	\$504.54	\$571.78
100 lbs. feeder cattle prod.	18.32	20.28	28.37	30.90	46.09	46.49	44.94	34.34	33.29	36.92
Ewe	13.42	16.58	26.45	38.14	28.37	22.32	46.76	54.11	48.25	52.53
100 lbs. hogs produced	10.65	12.31	17.37	20.89	25.44	26.68	23.96	23.14	23.92	25.90
Hen	2.45	3.51	3.75	4.44	4.32	4.29	5.37	--	--	--
Beef cow	*	*	116.30	132.91	162.25	198.50	198.62	152.82	151.87	171.56
MISCELLANEOUS LIVESTOCK INFORMATION										
Number of dairy cows ^{a/}	5.7	6.8	8.8	9.0	9.4	8.6	8.1	7.6	5.3	5.87
Head in beef breeding herd ^{a/}	4.9	7.1	11.9	13.6	13.6	14.1	7.0	13.4	16.0	11.9
Pounds of feeder cattle prod. ^{a/}	41929	46386	59187	64272	55990	44630	58323	51479	58689	60916
Litters of pigs ^{a/}	28.0	28.8	34.1	36.6	36.4	35.9	38.8	44.8	34.41	32.27
Pounds of hogs produced ^{a/}	52828	55947	61096	68052	72927	68451	75048	68002	58731	54302
Number of hens ^{a/}	219	174	165	153	142	144	170	--	--	--
Pounds of butterfat per dairy cow	349	387	409	411	405	427	448	453	464.4	463.4
Pigs weaned per litter	7.0	7.4	7.3	7.3	7.5	7.5	8.0	8.0	7.5	7.5
Percent lamb crop	103	111	105	108	102	83	124	119	145.9	126.3
Eggs per hen	208	208	218	207	221	189	244	--	--	--

* Information not available

^{a/} The reader is cautioned that these six items are calculated as follows. The total number of head, pounds, litters, hens, etc., reported by all farmers whose records are included in the summary averages, is divided by the number of records included in the analysis (first line, table 23). Thus, these items are not averages per farm reporting this item, instead they are averages for all farms included in the summary, regardless of whether all farms had that particular livestock enterprise or not. The correct interpretation of such information is to display trends over time in agriculture in the areas in which record keepers live whose records are included in the summary. For example, the number of hens is decreasing, the number of litters being farrowed is increasing, etc., in the general area covered by the Southwestern Minnesota Farm Management Association. Method of calculation changed slightly in 1977.