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# 1980

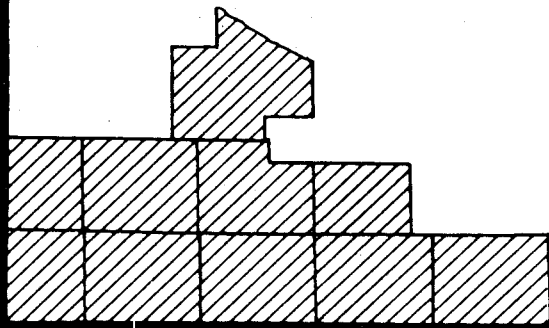
## annual report

### 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 ER81-1  
Department of Agricultural & Applied Economics  
Institute of Agriculture  
St. Paul, Minnesota 55108  
March 1981



1980 ANNUAL REPORT OF THE SOUTHWESTERN MINNESOTA

FARM MANAGEMENT ASSOCIATION

by

Delane E. Welsch, Erlin J. Weness, and Perry A. 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 201 farms in the Southwestern Association, 186 submitted records at the time of this report. The data for 170 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 1980 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 Agricultural 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. (SDS)

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\*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: David Engen, Alan Langseth, Kendall Langseth, Gene Metz, Tom Peterson, Lynn and Ronald Van Nurden, and Jean Weness for their assistance in account book closing and coding; Paul Langseth and Allan Ulbricht for their careful review of each analysis, correction of errors, and help in constructing the tables; Lung-Fai Wong for special computer programming; David Schoeder for general assistance; Dixie Berg for constructing the new time-series summary tables; Jeff Apland, Vernon Eidman, and Ken Thomas for review; all of the SDS staff for their helpfulness; and most importantly to 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

1980

County	Number of Members	Number of Records Submitted	Association Directors	County Extension Directors
Cottonwood	30	25	Norris Mattison Harvey Stoesz	Darrell D. Anderson
Faribault	11	9	Randy Peter	Henry C. Bollum
Jackson	25	21	William Fest Dave Stegemann, President	Roger A. Lind
Martin	13	13	Roger Bentz	Floyd H. Bellin, Jr.
Murray	22	18	Tom Keller, Vice-President Leo McBeth	Rueben M. Boxrud
Nobles	36	30	John Widboom M. J. Fellows, Sec.-Treas. Steven Hansberger Robert Koehler	Arthur R. Frame
Pipestone	16	14	Peter Boer Arthur Spronk	Robert E. Fritz
Redwood	28	22	Richard VanHecke Eugene Hook	Larry Mulder
Watonwan	11	10	Merlyn Froslan	Elaine Kruigmire
Others	<u>9</u>	<u>8</u>		
TOTAL	201	170		

1980 ANNUAL REPORT OF THE SOUTHWESTERN MINNESOTA

FARM MANAGEMENT ASSOCIATION

TABLE OF CONTENTS

	Page
Inside Title Page and Introduction. . . . .	1
Distribution of Membership. . . . .	2
Table of Contents . . . . .	3
Table 1 - Farm Inventories. . . . .	4 & 5
Table 2A - Total Farm Receipts. . . . .	6
Table 2B - Total Farm Expenses & Labor & Management Earnings. . . . .	7
Table 3 - Enterprise Statement. . . . .	8
Table 4 - Household & Personal Expense & Family Living from the Farm. . . . .	9
Table 5 - Operator's Net Worth Statement & Suppl. Financial Information . . . . .	10 & 11
Table 6A - Operator's Share of Total Farm Receipts. . . . .	12
Table 6B - Operator's Share of Total Farm Expenses. . . . .	13
Explanatory Notes for Tables 2A, 2B, 3, 6A, and 6B. . . . .	14
Table 7 - Supplementary Information Used in Enterprise Analysis . . . . .	15
Description of Measures of Farm Organization and Management Efficiency. . . . .	16
Average Price Received for Crops Sold . . . . .	17 & 18
Table 8 - Measures of Farm Organization and Efficiency. . . . .	19
Thermometer Chart . . . . .	20
Table 9 - Crop Acres, Yields, Returns and Suppl. Management Information . . . . .	21
Description of Crops Tables . . . . .	22
Table 10-0105 - Oats - Feed . . . . .	23
Table 10-0195 - Spring Wheat. . . . .	24
Table 10-0275 - Corn for Grain. . . . .	25
Table 10-0335 - Soybeans. . . . .	26
Table 10-0365 - Canning Peas. . . . .	27
Table 10-0400 - Alfalfa Hay . . . . .	28
Table 10-0530 - Non-Tillable Hay. . . . .	29
Table 10-0545 - Grain (Oats) Silage . . . . .	30
Table 10-0550 - Corn and Sorghum Silage . . . . .	31
Table 10-0570 - Legume Pastures . . . . .	32
Table 10-0585 - Non-Tillable Prairie Pastures . . . . .	33
Table 10-1186 - Land Rented Out . . . . .	34
Description of Livestock Tables . . . . .	35
Table 11A-6470 - Hogs, Farrow-to-Finish . . . . .	36
Table 11B-6490 - Hog Finishing Enterprise . . . . .	37
Table 11C-6510 - Hogs, Weaning Pig Production . . . . .	38
Table 11D-6530 - Hogs, Mixed Systems. . . . .	39
Table 12-6290 - Cows, Commercial Herds. . . . .	40
Table 13A-6310 - Other Dairy Cattle, Commercial Herd Replacements . . . . .	41
Table 13B-6318 - Other Dairy Cattle, Replacements & Feeder Stock Combined . . . . .	42
Table 14 - All Dairy Cattle . . . . .	43
Table 15A-6100A - Beef Breeding Cattle, Farm, Commercial Herd . . . . .	44
Table 15B-6140 - Beef Feeder Cattle, Feedlot. . . . .	45
Table 16A-6670 - Sheep, Farm Flock, Commercial. . . . .	46
Table A - Averages by Type of Farm. . . . .	47
Table B - County Averages . . . . .	48 & 49
Table C - Summary by Years - Whole Farm Analysis. . . . .	50 & 51
Table D - Summary by Years - Operator's Share Analysis. . . . .	52
Table E - Miscellaneous Items - Summary by Years. . . . .	53 & 54

TABLE 1. FARM INVENTORIES - 1980 - S.W.

ITEMS	Average of 170 Farms	
1 SIZE OF FARM-TOTAL ACRES	522.7	
2 -TILLABLE ACRES	469.5	
3 WORK UNITS-CROPS	232.69	
4 -LIVESTOCK	293.37	
5 -OTHER	27.41	
6 TOTAL SIZE OF BUSINESS IN WORK UNITS	553.48	
7 NUMBER OF WORKERS	1.87	
8 FARM CAPITAL INVESTMENT PER WORKER	\$ 713,365	
<hr/>		
9 PRODUCTIVE LIVESTOCK	JAN. 1	DEC. 1
10 DAIRY COWS	\$ 3,688	\$ 3,313
11 OTHER DAIRY CATTLE	2,973	3,895
12 BEEF BREEDING CATTLE	5,487	5,861
13 BEEF FEEDER CATTLE	51,781	50,276
14 HOGS	17,192	20,887
15 SHEEP (INCLUDING FEEDERS) & GOATS	149	195
16 POULTRY-ALL TYPES	402	1,030
17 OTHER LIVESTOCK	3	39
18 TOTAL PRODUCTIVE LIVESTOCK	\$ 81,675	\$ 85,495
19 CROP, SEED & FEED	\$ 84,951	\$ 106,602
20 POWER, MACHINERY & EQUIPMENT		
21 AUTO & TRUCK (FARM SHARE)	\$ 6,418	\$ 6,323
22 POWER & MACHINERY	43,291	44,572
23 IRRIGATION EQUIPMENT	--	--
24 CUSTOM WORK EQUIPMENT	--	33
25 LIVESTOCK EQUIPMENT	9,813	9,715
26 TOTAL POWER, MACHINERY & EQUIPMENT	\$ 59,522	\$ 60,643
27 LAND	959,161	964,036
28 BUILDINGS-FENCES-ETC.	64,732	68,676
29 TOTAL FARM CAPITAL	\$1,250,041	\$1,285,452
30 INCREASE OR DECREASE IN TOTAL FARM CAPITAL		\$ 35,411

TABLE 1 shows the beginning and end of the year inventories of farm capital. These inventories include both the value of the operator's assets, as well as the landlord'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 the year, multiplied by a conservative market price on January 1, and December 31 (as shown in TABLE 7). Power, Machinery and Equipment are priced at cost basis less depreciation on January 1, and December 31. Land is valued at conservative market price, and because land is not depreciable, the same value is used for January 1, and for December 31. 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 16. The number of workers shown on line 7 includes the operator(s), hired workers, unpaid family members, and the labor portion of custom work hired.

TABLE 1. FARM INVENTORIES -1980 (CONT.) - S.W.

ITEMS	34 Most* Profitable Farms		34 Least* Profitable Farms	
1 SIZE OF FARM-TOTAL ACRES	602.5		573.5	
2 -TILLABLE ACRES	554.0		520.6	
3 WORK UNITS-CROPS	270.21		256.47	
4 -LIVESTOCK	300.65		423.28	
5 -OTHER	28.98		10.12	
6 TOTAL SIZE OF BUSINESS IN WORK UNITS	599.84		689.87	
7 NUMBER OF WORKERS	2.11		2.06	
8 FARM CAPITAL INVESTMENT PER WORKER	\$734,384		\$745,195	
<hr/>				
9 PRODUCTIVE LIVESTOCK	JAN. 1	DEC. 31	JAN. 1	DEC. 31
10 DAIRY COWS	\$ 5,305	\$ 3,743	\$ 1,283	\$ 1,128
11 OTHER DAIRY CATTLE	2,518	3,553	3,654	4,934
12 BEEF BREEDING CATTLE	3,328	3,668	6,692	8,427
13 BEEF FEEDER CATTLE	44,021	40,846	110,157	97,346
14 HOGS	19,640	25,500	27,485	34,012
15 SHEEP (INCLUDING FEEDERS) & GOATS	229	249	22	46
16 POULTRY-ALL TYPES	--	--	381	330
17 OTHER LIVESTOCK	15	194	--	--
18 TOTAL PRODUCTIVE LIVESTOCK	\$ 75,056	\$ 77,754	\$ 149,675	\$ 146,221
19 CROP, SEED & FEED	\$ 110,359	\$ 158,493	\$ 93,122	\$ 99,240
<hr/>				
20 POWER, MACHINERY & EQUIPMENT				
21 AUTO & TRUCK (FARM SHARE)	\$ 8,055	\$ 8,212	\$ 6,142	\$ 5,715
22 POWER & MACHINERY	48,770	49,502	50,604	45,962
23 IRRIGATION EQUIPMENT	--	--	--	--
24 CUSTOM WORK EQUIPMENT	--	--	--	--
25 LIVESTOCK EQUIPMENT	10,012	9,501	16,558	15,676
26 TOTAL POWER, MACHINERY & EQUIP.	\$ 66,837	\$ 67,214	\$ 73,304	\$ 67,354
27 LAND	1,138,793	1,130,980	1,074,343	1,080,313
28 BUILDINGS-FENCES-ETC.	56,075	57,302	96,011	97,290
29 TOTAL FARM CAPITAL	\$1,447,119	\$1,491,743	\$1,486,455	\$1,490,419
30 INCREASE OR DECREASE IN TOTAL FARM CAPITAL		\$ 44,623		\$ 3,964

\*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 AND IS TAKEN FROM TABLE 2B, LINE 46. FOR TABLES 4, 5, 6A and 6B, THIS IS ON OPERATOR'S SHARE BASIS AND IT IS TAKEN FROM TABLE 6B, LINE 47.

TABLE 2A. TOTAL FARM RECEIPTS - 1980 - S.W.

ITEMS	Average of 170 Farms	34 Most Profitable Farms	34 Least Profitable Farms
<b>1 SALE OF LIVESTOCK &amp; LIVESTOCK PRODUCTS</b>			
2 DAIRY COWS	\$ 1,493	\$ 3,057	\$ 371
3 DAIRY PRODUCTS	9,919	11,559	3,558
4 OTHER DAIRY CATTLE	1,633	960	4,083
5 BEEF BREEDING CATTLE	1,413	628	652
6 BEEF FEEDER CATTLE	96,212	68,189	208,462
7 HOGS COMPLETE & MIXED	34,192	48,732	45,436
8 HOGS FINISHING	9,134	4,837	25,407
9 HOGS PRODUCING WEANING PIGS	659	286	772
10 SHEEP, GOATS & WOOL, FARM FLOCK	89	250	20
11 SHEEP & WOOL, FEEDER LAMBS	--	--	--
12 CHICKENS (INCLUDING HENS & BROILERS)	252	--	371
13 TURKEYS	3,859	--	--
14 EGGS	2,164	--	9,049
15 OTHER PRODUCTIVE LIVESTOCK & PRODUCTS	--	--	--
16 OTHER MISCELLANEOUS LIVESTOCK INCOME	--	--	--
<b>17 TOTAL SALES OF PRODUCTIVE LIVESTOCK</b>	<b>\$161,018</b>	<b>\$138,498</b>	<b>\$298,183</b>
<b>18 SALE OF CROPS</b>			
19 WHEAT	\$ 1,202	\$ 1,256	\$ 2,096
19A DURUM	--	--	--
20 OTHER SMALL GRAINS	1,074	2,473	669
21 CORN	33,849	47,144	24,997
22 SOYBEANS	47,283	63,272	46,493
22A SUNFLOWERS	--	--	--
23 OTHER ROW CROPS	722	284	273
24 LEGUMES & OTHER FORAGE	343	725	119
25 GRASS SEED	--	--	--
26 FRUITS & NUTS	--	--	--
27 VEGETABLE ROADSIDE MARKET & SPECIALTY	--	--	--
28 NURSERY, TIMBER & OTHER	342	782	294
29 SET ASIDE ACRES-GOVERNMENT PAYMENTS	--	--	--
<b>30 TOTAL SALES FROM CROPS</b>	<b>\$ 84,815</b>	<b>\$115,937</b>	<b>\$ 74,941</b>
31 CAP. ASSETS SOLD (AUTO/TRK/MACH.)	\$ 169	\$ 207	\$ 167
31A CAP. ASSETS SOLD (BLDGS & IMPRVMTS)	137	559	103
31B CAP. ASSETS SOLD (LAND)	4,185	8,444	4,132
32 GAS TAX REFUND	152	154	177
33 INCOME FROM WORK OFF THE FARM	2,337	2,226	1,687
34 CUSTOM WORK ENTERPRISE INCOME	--	--	--
35 PATRONAGE REFUNDS	2,061	2,360	2,374
36 MISCELLANEOUS FARM INCOME	2,526	4,795	3,379
<b>37 TOTAL FARM SALES</b>	<b>\$257,400</b>	<b>\$273,181</b>	<b>\$385,143</b>
38 INCREASE IN FARM CAPITAL	\$ 43,382	\$ 52,955	\$ 24,466
39 FAMILY LIVING FROM THE FARM	574	559	744
<b>40 TOTAL FARM RECEIPTS (37)+(38)+(39)</b>	<b>\$301,357</b>	<b>\$326,694</b>	<b>\$410,354</b>

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.



TABLE 2B. TOTAL FARM EXPENSES AND LABOR AND MANAGEMENT EARNINGS - 1980 - S.W.

ITEMS	Average of 170 Farms	34 Most Profitable Farms	34 Least Profitable Farms
1 PURCHASE OF LIVESTOCK			
2 DAIRY COWS	\$ 78	\$ --	\$ --
3 OTHER DAIRY CATTLE	668	40	2,681
4 BEEF BREEDING CATTLE	712	434	2,418
5 BEEF FEEDER CATTLE	63,135	37,771	137,124
6 HOGS COMPLETE AND MIXED	1,993	1,905	4,169
7 HOGS FINISHING	3,237	1,249	9,055
8 HOGS PRODUCING WEANING PIGS	133	35	60
9 SHEEP AND GOATS	17	21	25
10 SHEEP, FEEDER LAMBS	--	--	--
11 CHICKENS (INCL. HENS AND BROILERS)	709	--	2,711
12 TURKEYS	732	--	--
13 OTHER PRODUCTIVE LIVESTOCK	38	191	--
14 MISCELLANEOUS LIVESTOCK EXPENSE	4,464	3,975	6,750
15 FEED BOUGHT	31,054	25,697	53,418
16 FERTILIZER	10,599	13,997	11,020
17 CHEMICALS	5,671	6,484	6,394
18 OTHER CROP EXPENSE	9,245	11,557	10,275
19 IRRIGATION OPERATION COSTS	--	--	--
20 CUSTOM WORK ENTERPRISE OPERATOR COSTS, INCL. LABOR	--	--	--
21 CUSTOM WORK HIRED	4,234	5,774	4,388
22 REPAIR + UPKEEP OF LIVESTOCK EQUIPMENT	1,594	1,702	2,015
23 REPAIR + UPKEEP OF FARM REAL ESTATE	1,830	1,994	1,957
24 GAS, OIL, GREASE BOUGHT (FARM SHARE)	7,376	7,944	9,276
25 REPAIR + OPERATION OF MACHINERY, TRACTOR, TRUCK AND AUTO	5,789	5,763	7,349
26 REPAIR + UPKEEP OF IRRIGATION EQUIPMENT	--	--	--
27 REPAIRS, CUSTOM WORK ENTERPRISE	--	--	--
28 WAGES OF HIRED LABOR	5,129	6,250	6,544
29 PERSONAL PROPERTY + REAL ESTATE TAXES	5,193	6,281	5,484
30 GENERAL FARM EXPENSE	2,374	2,718	2,834
31 TELEPHONE EXPENSE (FARM SHARE)	310	262	416
32 ELECTRICITY EXPENSE (FARM SHARE)	1,608	1,693	2,155
33 TOTAL CASH OPERATING EXPENSE	\$167,922	\$143,738	\$ 288,515
34 POWER, CROP AND GENERAL MACHINERY BOUGHT (FARM SHARE)	\$ 14,464	\$ 16,846	\$ 9,519
35 IRRIGATION EQUIPMENT BOUGHT	--	--	--
36 CUSTOM WORK EQUIPMENT BOUGHT	34	--	--
37 LIVESTOCK EQUIPMENT BOUGHT	2,236	1,897	2,898
38 NEW REAL ESTATE + IMPROVEMENT	20,522	7,215	26,629
39 TOTAL FARM PURCHASES (33) THRU (38)	\$205,179	\$169,696	\$ 327,561
40 DECREASE IN FARM CAPITAL	\$ 7,972	\$ 8,331	\$ 20,503
41 INTEREST ON FARM CAPITAL	88,742	102,860	104,191
42 UNPAID FAMILY LABOR	1,105	1,349	1,156
43 LABOR CHARGE FOR PARTNERS + OTHER OPERATORS	2,488	4,154	4,603
44 BOARD FURNISHED HIRED LABOR	243	225	298
45 TOTAL FARM EXPENSE (39) THRU (44)	\$305,729	\$286,616	\$ 458,311
46 RETURN TO OPER. LABOR & MGMT.-SINGLE OPER. (WHOLE FARM) (2A/40)-(45)	\$(-4,372)	\$ 40,078	\$(-47,956)
See page 14 for explanation of lines 46 and 49			
48 FULL-TIME OPERATOR EQUIVALENTS	1.17	1.27	1.29
49 RETURN TO OPER. LABOR & MGMT./FULL-TIME OPER. EQUIVALENT	\$(-3,267)	\$ 35,269	\$(-39,355)

TABLE 3. ENTERPRISE STATEMENT - 1980 - S.W.

ITEMS	Average of 170 Farms	34 Most Profitable Farms	34 Least Profitable Farms
<b>1 RETURNS &amp; NET INCREASES</b>			
<b>2 PRODUCTIVE LIVESTOCK</b>			
3 DAIRY COWS	\$ 10,144	\$ 12,195	\$ 3,688
4 OTHER DAIRY CATTLE	3,122	3,820	2,997
5 BEEF BREEDING CATTLE	2,914	2,575	2,841
6 FEEDER CATTLE	29,869	24,744	56,052
7 HOGS, COMPLETE & MIXED	35,513	52,594	47,004
8 HOG FINISHING ENTERPRISE	5,675	3,593	14,567
9 PRODUCING WEANING PIGS	1,229	449	3,445
10 SHEEP & GOATS	120	255	19
11 SHEEP, FEEDER LAMBS	--	--	--
12 CHICKENS (INCLUDING HENS & BROILERS)	1,781	--	6,661
13 TURKEYS	3,686	--	--
14 OTHER PRODUCTIVE LIVESTOCK	(-2)	(-12)	--
15 TOTAL ALL PRODUCTIVE LIVESTOCK	\$ 94,051	\$100,213	\$ 137,273
16 VALUE OF FEED FED TO LIVESTOCK	69,978	63,710	114,780
17 RETURN OVER FEED FROM LIVESTOCK	24,072	36,503	22,493
18 CROP, SEED & FEED	119,787	169,939	114,690
19 COOPERATIVE PATRONAGE REFUNDS	2,061	2,360	2,374
20 MISCELLANEOUS FARM INCOME	2,526	4,795	3,379
21 CUSTOM WORK ENTERPRISE	(-1)	--	--
<b>22 TOTAL RETURNS &amp; NET INCREASES</b>	<b>\$148,445</b>	<b>\$213,598</b>	<b>\$ 142,936</b>
<b>23 EXPENSES &amp; NET DECREASES</b>			
24 TRUCK & AUTO (FARM SHARE)	\$ 5,344	\$ 5,758	\$ 5,975
25 TRACTORS & CROP MACHINERY	22,437	25,600	26,515
26 IRRIGATION EQUIPMENT	--	--	--
27 ELECTRICITY	1,608	1,693	2,155
28 LIVESTOCK EQUIPMENT	4,398	6,077	6,296
29 BUILDINGS, FENCES & TILING	8,392	6,818	12,866
30 BARE LAND	820	(-26)	4,235
31 MISCELLANEOUS LIVESTOCK EXPENSE	4,464	3,975	6,750
32 LABOR	6,246	7,351	8,574
33 LABOR CHARGE FOR OTHER OPERATOR(S)	2,488	4,154	4,603
34 PROPERTY TAX	5,193	6,281	5,484
35 GENERAL FARM EXPENSE & TELEPHONE	2,685	2,981	3,249
36 INTEREST ON FARM CAPITAL	88,742	102,860	104,191
<b>37 TOTAL EXPENSES &amp; NET DECREASES</b>	<b>\$152,817</b>	<b>\$173,520</b>	<b>\$ 190,892</b>
<b>38 RETURN TO OPERATOR LABOR &amp; MGMT.</b>	<b>\$(-4,372)</b>	<b>\$ 40,078</b>	<b>\$(-47,956)</b>

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.

TABLE 4. HOUSEHOLD & PERSONAL EXPENSE AND FAMILY LIVING FROM THE FARM - 1980 - S.W.

ITEMS	Average of 71 Farms	10 Most Profitable Farms	15 Least Profitable Farms
1 NUMBER OF PERSONS - FAMILY	4	4	5
2 NUMBER OF ADULT EQUIVALENT - FAMILY	3.3	3.1	3.8
3 CHURCH & WELFARE	\$ 1,336	\$ 1,865	\$ 1,611
4 MEDICAL CARE & HEALTH INSURANCE	1,938	1,339	1,887
5 FOOD & MEALS BOUGHT	3,422	3,080	3,685
6 OPERATING EXPENSE & SUPPLIES	1,349	1,447	820
7 FURNISHINGS & EQUIPMENT	1,508	1,559	932
8 CLOTHING & CLOTHING MATERIALS	1,240	1,150	1,051
9 PERSONAL CARE, PERSONAL SPENDING	627	810	698
10 EDUCATION	474	279	531
11 RECREATION	1,038	1,073	833
12 GIFTS & SPECIAL EVENTS	1,017	904	1,461
13 PERSONAL SHARE TRUCK & AUTO EXPENSE	1,300	1,650	1,510
14 OPERATOR SHARE UPKEEP ON DWELLING	125	105	169
14A CASH RENT (PERSONAL)	--	--	--
15 PERSONAL SHARE TELEPHONE & ELECTRICITY EXP	641	853	666
15A PERSONAL SHARE-GENERAL FARM EXPENSE	17	30	27
16 TOTAL CASH LIVING EXPENSE	\$16,032	\$16,145	\$15,881
17 PERSONAL SHARE NEW TRUCK & AUTO	\$ 535	\$ 718	\$ 993
18 NEW DWELLING BOUGHT	2,837	772	1,400
19 TAXES & OTHER DEDUCTIONS	3,765	3,488	4,405
20 LIFE INSURANCE & OTHER SAVINGS & INVESTMENTS	6,909	1,236	8,029
21 TOTAL HOUSEHOLD & PERSONAL (16) THRU (20)	\$30,078	\$22,359	\$30,709
22 TOTAL FAMILY LIVING FROM THE FARM (33)	\$ 640	\$ 852	\$ 685
23 TOTAL CASH & NON-CASH EXPENSES (21)+(22)	\$30,717	\$23,211	\$31,393
24 FAMILY LIVING FROM THE FARM			
25	QUANTITY	QUANTITY	QUANTITY
26 MILK & CREAM (QUARTS)	138	230	--
27 BEEF & BUFFALO (POUNDS)	874	1,152	1,009
28 PORK (POUNDS)	257	335	273
29 LAMB, MUTTON, GOAT (POUNDS)	--	--	--
30 POULTRY, ALL FOWL (POUNDS)	11	--	--
31 EGGS (DOZEN)	5	--	--
32 VEGETABLES, FRUITS, SPUDS, OTHER PRODUCE & FUEL	--	--	--
33 TOTAL FAMILY LIVING FROM THE FARM	\$ 640	\$ 852	\$ 685

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 & MEALS BOUGHT). As a result, only 71 out of 170 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 accounts at the end of the year. If the family is unable or unwilling to keep accurate household records, then a household checking account separate from the farm checking account might be used. Values of items listed in lines 26-32 were assigned by the farm operator.

TABLE 5. OPERATOR'S NET WORTH STATEMENT AND SUPPLEMENTARY FINANCIAL INFO. - 1980 - S.W.

ITEMS	Average of 107 Farms	
	Jan. 1	Dec. 31
1 TOTAL PRODUCTIVE LIVESTOCK	\$ 62,772	\$ 63,842
2 CROP, SEED AND FEED	71,260	91,412
3 TOTAL POWER, MACHINERY AND EQUIPMENT	50,264	51,793
4 LAND (ACRES OWNED 225.5) (TILLABLE 197.6)	411,737	424,056
5 BUILDINGS, FENCES, ETC.	53,007	58,212
6 TOTAL FARM CAPITAL	\$649,041	\$689,315
7 NON-FARM ASSETS	\$ 37,005	\$ 40,150
7A CASH ON HAND & IN BANK	6,190	6,954
8 DWELLING	17,408	18,935
9 TOTAL ASSETS	\$709,644	\$755,354
10 REAL ESTATE MORTGAGES	93,176	112,529
11 CHATTEL MORTGAGES	60,875	60,014
12 NOTES	30,787	32,247
13 ACCOUNTS PAYABLE	5,953	6,595
14 TOTAL LIABILITIES	\$190,792	\$211,385
15 FARMERS NET WORTH	\$518,852	\$543,968
16 GAIN (OR LOSS) IN NET WORTH		\$ 25,116
17 SUPPLEMENTARY FINANCIAL MANAGEMENT INFORMATION		
18 RETURN TO OPERATORS LABOR & MANAGEMENT (6B/47)	\$ 10,502	
19 RETURN TO CAPITAL AND FAMILY LABORS (6B/48)	40,619	
20 NON-FARM INCOME		
21 OUTSIDE INVESTMENT INCOME	866	
22 OTHER PERSONAL INCOME & INCOME TAX REFUND	3,658	
22A SALE OF PERSONAL SHARE - DWELLING, AUTO & TRUCK	44	
23 TOTAL NON-FARM INCOME	\$ 4,568	
24 TOTAL FAMILY FARM AND NON-FARM INCOME	\$ 45,187	
25 TOTAL MONEY BORROWED	\$148,476	
26 TOTAL PAID ON DEBT (PRINCIPAL)	\$128,041	
27 TOTAL HOUSEHOLD + PERSONAL CASH/NON-CASH EXP. (4/23)	\$ 18,937	
28 RATIO TOTAL FARM EXP. TO TOTAL FARM RCPTS. OPER. SHARE	.956	
	JAN. 1	DEC. 31
29 RATIO TOTAL ASSETS TO TOTAL LIABILITIES	3.719	3.573
30 RATIO NON-REAL EST. ASSETS TO NON-REAL EST. LIAB.	2.330	2.571
31 RATIO REAL EST. ASSETS TO REAL EST. LIAB.	5.175	4.454
32 RATIO NET WORTH TO TOTAL LIABILITIES	2.719	2.573
33 RATIO CASH OPER. EXP. TO ADJ. TOTAL FARM SALES (O.S.)		.801
34 RATIO TOTAL FARM RECEIPTS TO AVG. FARM CAPITAL (W.F.)		.222
35 RATIO TOTAL FARM RECEIPTS TO AVG. FARM CAPITAL (O.S.)		.355

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 land-lord'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 the ending inventories of land. All depreciable 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 on next page)

TABLE 5. OPERATOR'S NET WORTH STATEMENT AND SUPP. FINANCIAL INFO. - 1980 (CONT.) - S.W.

ITEMS	15 Most		21 Least	
	Profitable Farms		Profitable Farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1 TOTAL PRODUCTIVE LIVESTOCK	\$ 48,845	\$ 58,252	\$ 118,349	\$ 96,388
2 CROP, SEED & FEED	111,707	160,146	77,743	84,091
3 TOTAL POWER MACH. & EQUIP.	78,249	88,035	53,572	52,018
4* LAND	254,960	265,627	714,838	722,362
5 BUILDINGS, FENCES, TILE, ETC.	62,844	66,840	68,270	73,545
6 TOTAL FARM CAPITAL	\$556,605	\$638,900	\$1,032,771	\$1,028,404
7 NON-FARM ASSETS	\$ 50,974	\$ 52,348	\$ 43,194	\$ 43,980
7A CASH ON HAND AND IN BANK	6,979	4,968	2,973	6,412
8 DWELLING	14,377	14,891	27,652	29,655
9 TOTAL ASSETS	\$628,934	\$711,108	\$1,106,589	\$1,108,450
10 REAL ESTATE MORTGAGES	64,514	86,237	143,144	156,567
11 CHATTEL MORTGAGES	70,861	56,665	110,988	99,394
12 NOTES	48,851	52,875	26,937	22,397
13 ACCOUNTS PAYABLE	5,943	7,507	3,495	4,143
14 TOTAL LIABILITIES	\$190,169	\$203,284	\$ 284,564	\$ 282,501
15 FARMERS NET WORTH	\$438,766	\$507,824	\$ 822,025	\$ 825,949
16 GAIN (OR LOSS) IN NET WORTH		\$ 69,058		\$ 3,924
17 SUPPLEMENTARY FINANCIAL INFORMATION				
18 RET TO OPER LABOR & MGMT. (6B/47)	\$ 59,434		\$ (-31,539)	
19 RET TO CAP. & FAMILY LABOR (6B/48)	83,254		17,819	
20 NON-FARM INCOME				
21 OUTSIDE INVESTMENT INCOME	467		470	
22 OTHER PERS INCOME & TAX REFUND	3,591		5,493	
22A SALE PERS SHARE DWELLING, AUTO, TRUCK	3		71	
23 TOTAL NON-FARM INCOME	\$ 4,062		\$ 6,034	
24 TOTAL FAMILY FARM & NON-FARM INCOME	\$ 87,315		\$ 23,853	
25 TOTAL MONEY BORROWED	\$143,789		\$ 185,839	
26 TOTAL PAID ON PRINCIPAL	\$131,046		\$ 186,594	
27 TOT HH & PERS CASH & NON-CASH 4/23	\$ 16,948		\$ 16,879	
28 RATIO: TOTAL FARM EXP/RCPTS O.S.	.809		1.105	
	JAN. 1	DEC. 31	JAN. 1	DEC. 31
29 RATIO: TOTAL ASSETS TO LIABILITIES	3.307	3.498	3.889	3.924
30 RATIO: NON-REAL EST ASSETS TO LIAB	2.362	3.108	2.092	2.246
31 RATIO: REAL EST ASSETS/REAL EST LIAB	5.149	4.028	5.664	5.273
32 RATIO: NET WORTH/TOTAL LIABILITIES	2.307	2.498	2.889	2.924
33 RATIO: CASH OP EXP/ADJ TOT FM SALE O.S.		.791		.799
34 RATIO: TOT FM RCPTS/AVG FARM CAP W.F.		.188		.251
35 RATIO: TOT FARM RCPTS/AVG FARM CAP O.S.		.519		.291

so for credit purposes the operator may wish to revalue those classes of assets. While TABLE 1 shows farm assets for all 170 farms included in the Association averages, TABLE 5 includes data from only those 107 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.

\* Most Profitable Farms (Acres owned 140.2) (Tillable 120.1)  
 Least Profitable Farms (Acres owned 370.1) (Tillable 331.8)

TABLE 6A. OPERATOR'S SHARE OF TOTAL FARM RECEIPTS - 1980 - S.W.

ITEMS	Average of 170 Farms	34 Most Profitable Farms	34 Least Profitable Farms
1 SALE OF LIVESTOCK & LIVESTOCK PRODUCTS			
2 DAIRY COWS	\$ 1,493	\$ 1,600	\$ 164
3 DAIRY PRODUCTS	9,919	17,359	1,813
4 OTHER DAIRY CATTLE	1,618	1,097	2,905
5 BEEF BREEDING CATTLE	1,402	1,098	545
6 BEEF FEEDER CATTLE	94,745	53,608	168,155
7 HOGS COMPLETE & MIXED	33,149	62,940	30,036
8 HOGS FINISHING	8,906	4,837	19,269
9 HOGS PRODUCING WEANING PIGS	659	286	80
10 SHEEP, GOATS & WOOL, FARM FLOCK	89	235	20
11 SHEEP & WOOL, FEEDER LAMBS	--	--	--
12 CHICKENS (INCLUDING HENS & BROILERS)	252	--	313
13 TURKEYS	3,859	13,149	--
14 EGGS	2,164	--	--
15 OTHER PRODUCTIVE LIVESTOCK & PRODUCTS	--	--	--
16 OTHER MISCELLANEOUS LIVESTOCK INCOME	--	--	--
17 TOTAL SALES OF PRODUCTIVE LIVESTOCK	\$158,254	\$156,209	\$223,321
18 SALE OF CROPS			
19 WHEAT	\$ 1,078	\$ 144	\$ 1,667
19A DURUM	--	--	--
20 OTHER SMALL GRAIN	994	1,541	480
21 CORN	26,975	43,425	20,629
22 SOYBEANS	40,572	58,532	33,035
22A SUNFLOWERS	--	--	--
23 OTHER ROW CROPS	675	--	1,658
24 LEGUMES & OTHER ROUGHAGE	267	741	460
25 GRASS SEED	--	--	--
26 FRUITS & NUTS	--	--	--
27 VEGETABLES, ROADSIDE MARKET & SPECIALTY	--	--	--
28 NURSERY, TIMBER & OTHER	342	485	419
29 SET ASIDE ACRES - GOVERNMENT PAYMENTS	--	--	--
30 TOTAL SALES FROM CROPS	\$ 70,902	\$104,869	\$ 58,349
31 CAP. ASSETS SOLD (AUTO/TRK/MACH.)	\$ 169	\$ 10	\$ 178
31A CAP. ASSETS SOLD (BLDGS & IMPRVMENTS)	116	--	--
31B CAP. ASSETS SOLD (LAND)	1,589	--	--
32 GAS TAX REFUND	151	134	129
33 INCOME FROM WORK OFF THE FARM	2,337	2,617	2,916
34 CUSTOM WORK ENTERPRISE INCOME	--	--	--
35 PATRONAGE REFUNDS	2,061	2,675	2,299
36 MISCELLANEOUS FARM INCOME	2,526	4,389	2,123
37 TOTAL FARM SALES	\$238,105	\$270,903	\$289,314
38 INCREASE IN FARM CAPITAL	\$ 45,447	\$ 69,931	\$ 30,096
39 FAMILY LIVING FROM THE FARM	571	691	618
40 TOTAL FARM RECEIPTS (37)+(38)+(39)	\$284,123	\$341,525	\$320,028
41 ADJUSTED TOTAL FARM SALES (37)-(31)	\$236,231	\$270,893	\$289,136
42 TOTAL CASH FARM OPERATING EXPENSE	\$193,190	\$202,824	\$245,633
43 NET CASH OPERATING INCOME	\$ 43,041	\$ 68,069	\$ 43,503

SEE PAGE 14 FOR EXPLANATORY NOTE FOR THIS TABLE.

TABLE 6B. OPERATOR'S SHARE OF TOTAL FARM EXPENSES - 1980 - S.W.

ITEMS	Average of 170 Farms	34 Most Profitable Farms	34 Least Profitable Farms
1 PURCHASE OF LIVESTOCK			
2 DAIRY COWS	\$ 78	\$ 48	\$ --
3 OTHER DAIRY CATTLE	668	44	2,331
4 BEEF BREEDING CATTLE	712	119	538
5 BEEF FEEDER CATTLE	61,895	24,652	106,646
6 HOGS COMPLETE	1,708	2,563	3,933
7 HOGS FINISHING	3,154	1,249	8,047
8 HOGS PRODUCING WEANING PIGS	133	35	29
9 SHEEP, FARM FLOCK	17	13	25
10 SHEEP, FEEDER LAMBS	--	--	--
11 CHICKENS	709	--	36
12 TURKEYS	732	2,353	--
13 OTHER PRODUCTIVE LIVESTOCK	38	191	--
14 MISCELLANEOUS LIVESTOCK EXPENSE	4,401	7,259	3,928
15 FEED BOUGHT	30,480	40,840	34,550
16 FERTILIZER	9,868	13,639	9,152
17 CHEMICALS	5,364	7,201	4,867
18 OTHER CROP EXPENSE	8,998	14,260	9,095
19 IRRIGATION OPERATION COST	--	--	--
20 CUSTOM WORK OPERATOR COSTS, INCLUDING LABOR	--	--	--
21 CUSTOM WORK HIRED	4,230	6,977	4,548
22 REPAIR & UPKEEP OF LIVESTOCK EQUIPMENT	1,591	2,746	1,637
23 REPAIR & UPKEEP OF FARM REAL ESTATE	1,830	1,742	1,949
24 GAS, OIL, GREASE BOUGHT (FARM SHARE)	7,361	9,038	7,713
25 REPAIR & OPER-MACH, TRACTOR, TRUCK, AUTO (F.S.)	5,789	6,404	5,795
26 REPAIR & UPKEEP OF IRRIGATION EQUIPMENT	--	--	--
27 REPAIRS, CUSTOM WORK ENTERPRISE	--	--	--
28 WAGES OF HIRED LABOR	5,129	6,769	5,296
29 PERSONAL PROPERTY & REAL ESTATE TAXES	2,393	1,629	3,823
30 CASH RENT	11,796	29,315	4,404
31 GENERAL FARM EXPENSES	2,368	2,863	2,158
32 TELEPHONE EXPENSE (FARM SHARE)	310	277	373
33 ELECTRICITY EXPENSE (FARM SHARE)	1,607	1,944	1,458
34 INTEREST ACTUALLY PAID	19,830	18,651	23,298
35 TOTAL CASH OPERATING EXPENSE	\$193,190	\$202,824	\$245,633
36 POWER, CROP & GENERAL MACHINERY BOUGHT (F.S.)	\$ 14,426	\$ 19,085	\$ 11,916
37 IRRIGATION EQUIPMENT BOUGHT	--	--	--
38 CUSTOM WORK ENTERPRISE EQUIPMENT BOUGHT	34	--	171
39 LIVESTOCK EQUIPMENT BOUGHT	2,236	3,768	1,820
40 NEW REAL ESTATE & IMPROVEMENTS	19,282	14,594	21,560
41 TOTAL FARM PURCHASES (35) THRU (40)	\$229,168	\$240,271	\$281,100
42 DECREASE IN FARM CAPITAL	\$ 8,014	\$ 5,586	\$ 21,095
43 INTEREST ON FARM CAPITAL (EQUITY)	29,398	18,885	47,845
44 UNPAID FAMILY LABOR	1,105	1,467	960
45 BOARD FURNISHED HIRED LABOR	228	276	259
46 TOTAL FARM EXPENSE (41) THRU (45)	\$267,913	\$266,485	\$351,260
47 RETURN TO OPERATOR LABOR & MGMT. (O.S.) (6A/40)-(46)	\$ 16,210	\$ 75,040	\$(-31,232)
48 RETURN TO CAPITAL & FAMILY LABOR (47)+(44)+(43)	\$ 46,713	\$ 95,393	\$ 17,573

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 7% 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 change in 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.



TABLE 7. SUPPLEMENTARY INFORMATION USED IN ENTERPRISE ANALYSIS - 1980 - S.W.

A. Number of Work Units for Crop and Livestock Enterprises <sup>a/</sup>

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.	Soybeans	.45
Feeder Pig Production	1.40/litter	Alfalfa Hay, Corn Silage	.60
Dairy Cows	7.00/cow	Non-Tillable Hay	.20
Other Dairy Cattle	1.20/head	Oats Silage	.40
Beef Breeding Cows	1.50/head	Legume Pasture	.05
Beef Feeder Cattle	.12/cwt.	Non-Tillable Prairie Pasture	.01
Sheep, Farm Flock	.60/head		

B. Average Prices Used in Analysis

Product	Feed	Harvest	Beginning Inventory	Ending Inventory	Pasture/head/mo.	
Oats/bu.	\$ 1.50	\$ 1.50	\$ 1.30	\$ 1.50	Cows	\$8.00
Wheat/bu.	4.00	4.00	4.25	4.25	Calves	4.00
Corn for Grain/bu.	2.50	3.00	2.20	3.00	Hogs	1.00
Soybeans/bu.	--	8.00	6.25	7.00	Sheep	1.25
Alfalfa Hay/ton	50.00	60.00	40.00	60.00	Lambs	0.70
All Other Hay/ton	40.00	40.00	35.00	40.00	Products Used at Home	
Corn Silage/ton	18.00	20.00	15.00	20.00	Straw	\$1.25/bale
Oats Silage/ton	15.00	15.00	12.00	15.00	Milk	1.20/gal.

Unpaid family labor \$700/mo. or \$3.50/hr. or \$35/day.  
 Board for hired labor \$6/day or \$1.50/meal.  
 Second operator's labor \$15,000/year.

C. Animal or Livestock Units Used in Analysis <sup>b/</sup>

Enterprise	Per Adult	Per Other
All Hog Enterprises	.40	.20
Dairy: Cows & Others	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	Conservative Market Price
	Per Acre	Per Acre
Cottonwood	\$100	\$2,000
Jackson	110	2,100
Faribault	120	2,600
Martin	110	2,200
Murray	70	1,500
Nobles	100	2,000
Pipestone	65	1,300
Redwood	95	1,900
Watowan	110	2,200

<sup>a/</sup>A work unit represents the average accomplishment of an average worker in one ten-hour day. It is used to measure size of business and to allocate overhead costs to crop and livestock enterprises.

<sup>b/</sup>An animal unit is based on the amount of T.D.N. required to support each kind of livestock with the dairy cow as the basis for comparison. It is used to measure intensity of livestock production and to measure size of business.

## 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.

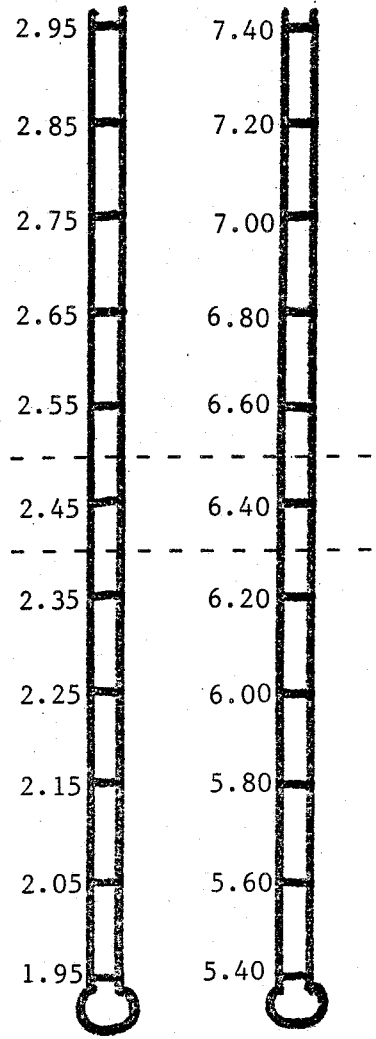
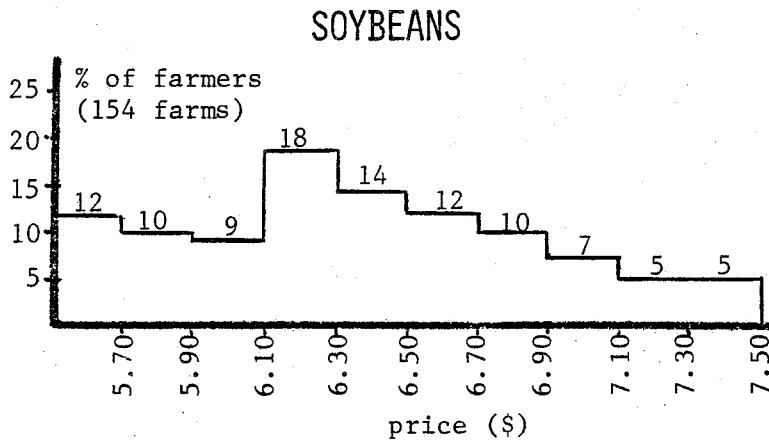
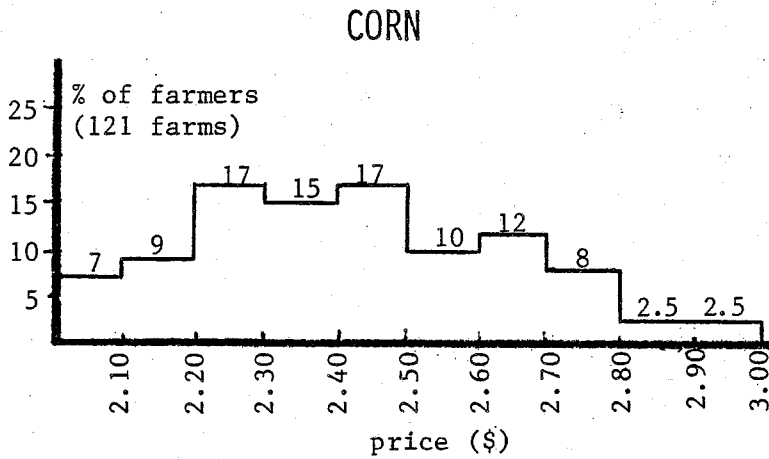
Other items listed on Table 8 are related to the above measures and serve to further define and describe the efficiency level of a farm business. Note should be taken that items listed in Table 8 and the Thermometer Chart are to be considered in light of the individual farm and farm operator. Although 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.

AVERAGE PRICE RECEIVED FOR CROPS SOLD

This year, for the first time in the present system of analysis, the computerized crop enterprise analyses included information on the total quantity sold and average price received for all crops that were sold. Each individual member's crop enterprise print-outs include such information in lines 32 and 33. The Association average, high, and low tables contained in this report include the average for the same items.

It has been recognized for some time, that the measures of farm organization and efficiency shown in Table 8 no longer adequately explain variations in labor and management earnings on specialized crop farms or farms on which the major source of income is from crop sales. Therefore, this attempt to improve the farm business analyses should enhance our research in farm accounting which is aimed at how farmers manage the marketing of their crops. Information on these two pages deals with average price received for all corn, soybeans, oats, and wheat sold during the calendar year 1980. The average price received by all farmers is shown between the dotted lines in the center of the thermometer charts. The bar graphs show the percent of all farmers selling a particular crop whose price fell within the price intervals shown for each graph.

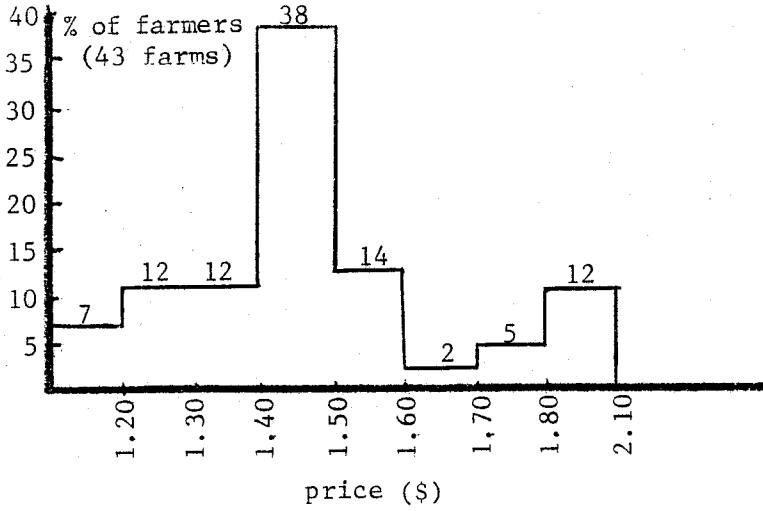
Average price per bushel received for all sales in 1980



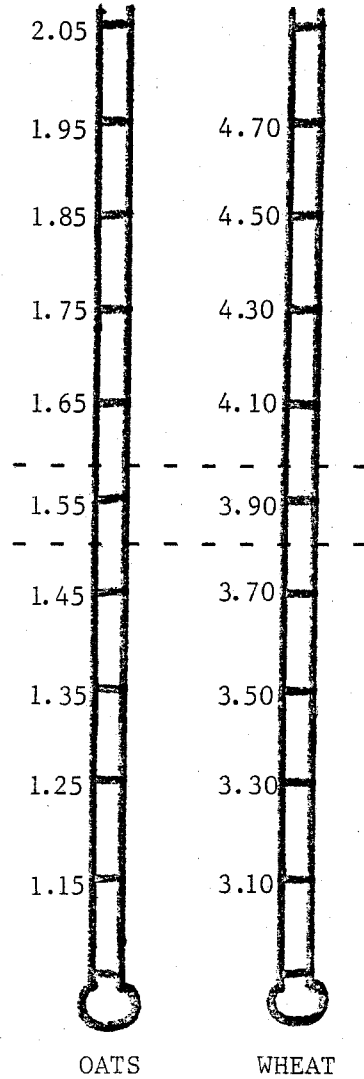
CORN

SOYBEANS

### OATS



Average price per bushel received for all sales in 1980.



### WHEAT

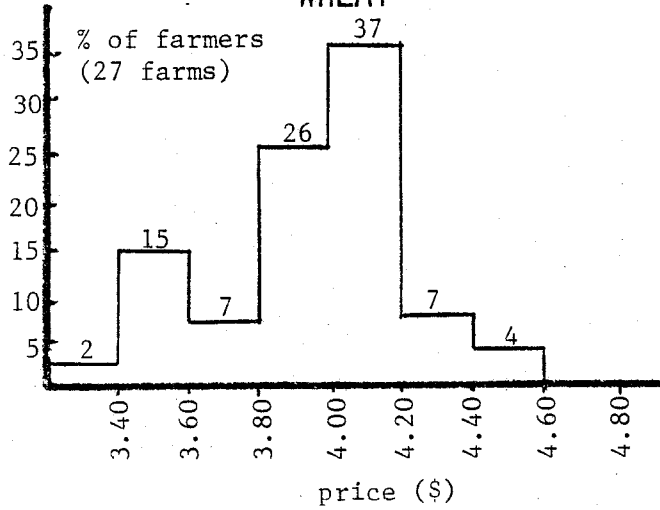


TABLE 8. MEASURES OF FARM ORGANIZATION AND EFFICIENCY - 1980 - S.W.

ITEMS	Average of 170 Farms	34 Most Profitable Farms	34 Least Profitable Farms
1 * RETURN TO OPERATORS LABOR AND MANAGEMENT			
1A WITH LAND AT MARKET VALUE	\$(-4,372)	\$ 40,078	\$(-47,956)
1B WITH LAND AT BOOK VALUE	48,480	115,490	(-5,875)
2 CROP YIELD INDEX	100.0	107.5	97.3
3 PERCENT TILLABLE LAND IN HIGH RETURN CROPS	88.8	90.5	87.0
4 GROSS RETURN PER TILLABLE ACRE (EXCL. PASTURE)	\$ 300.33	\$ 328.60	\$ 284.07
5 RETURN PER \$100 FEED FED PROD. LIVESTOCK INDEX	100.0	116.6	97.3
6 ** LIVESTOCK UNITS PER 100 ACRES	37.79	33.17	56.32
7 SIZE OF BUSINESS - WORK UNITS	553.48	599.84	689.87
8 WORK UNITS PER WORKER	295.98	284.28	334.89
9 PWR, MACH., EQUIP., BLDG. EXP./WORKER UNIT	\$ 76.21	\$ 76.60	\$ 78.00
10 FARM CAPITAL INVESTMENT PER WORKER	\$677,940	\$696,413	\$722,542
11 INDEX OF RETURN PER \$100 FEED FED			
12 6100 BEEF BREEDING FARM, WHOLE HERD, COMM.	100	114.9	93.0
13 6140 BEEF FEEDERS FEEDLOT	100	123.5	93.9
14 6290 DAIRY COWS, COMMERCIAL, GENERAL	100	109.1	95.5
15 6310 OTHER DAIRY, COMMERCIAL, REPLACEMENTS	100	222.3	128.2
16 6318 OTHER DAIRY, REPLACEMENTS & FEEDER STOCK	100	95.0	99.7
17 6470 HOGS, FARROW-TO-FINISH, GENERAL	100	113.1	102.4
18 6490 HOGS, FINISHING	100	122.0	94.3
19 6510 HOGS, WEANING PIG PRODUCTION	100	118.2	98.0
20 6530 HOGS, MIXED SYSTEMS	100	107.2	92.9
30 NUMBER OF ANIMAL UNITS	184.23	187.97	301.20
31 WORK UNITS			
32 CROPS	232.69	270.21	256.47
33 PRODUCTIVE LIVESTOCK	293.37	300.65	423.28
34 OTHER PRODUCTIVE LIVESTOCK	27.41	28.98	10.12
35 EXPENSES PER WORK UNIT			
36 TRACTOR AND CROP MACHINERY EXPENSE	\$ 40.54	\$ 42.68	\$ 38.43
37 FARM SHARE OF AUTO AND TRUCK EXPENSE	9.66	9.60	8.66
38 FARM SHARE OF ELECTRIC EXPENSE	2.91	2.82	3.12
39 LIVESTOCK EQUIPMENT EXPENSE	7.95	10.13	9.13
40 BUILDING, FENCE AND TILING EXPENSE	15.16	11.37	18.65
41 GEN. FARM TELEPHONE & OTHER UTIL. EXCEPT ELECT.	4.85	4.97	4.71
42 HIRED LABOR	9.27	10.42	9.49
43 *** TRACTOR & CROP MACH. EXPENSE PER CROP ACRE	47.61	46.08	50.66
44 FARM POWER & MACH. COST ALLOC. TO LIVESTOCK	2,782.22	3,036.77	4,297.08
45 BLDG., FENCE & TILING COST ALLOC. TO CROPS	3,869.51	3,705.59	5,204.97

\* 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 AND PASTURE.

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

THERMOMETER CHART - 1980 - 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.

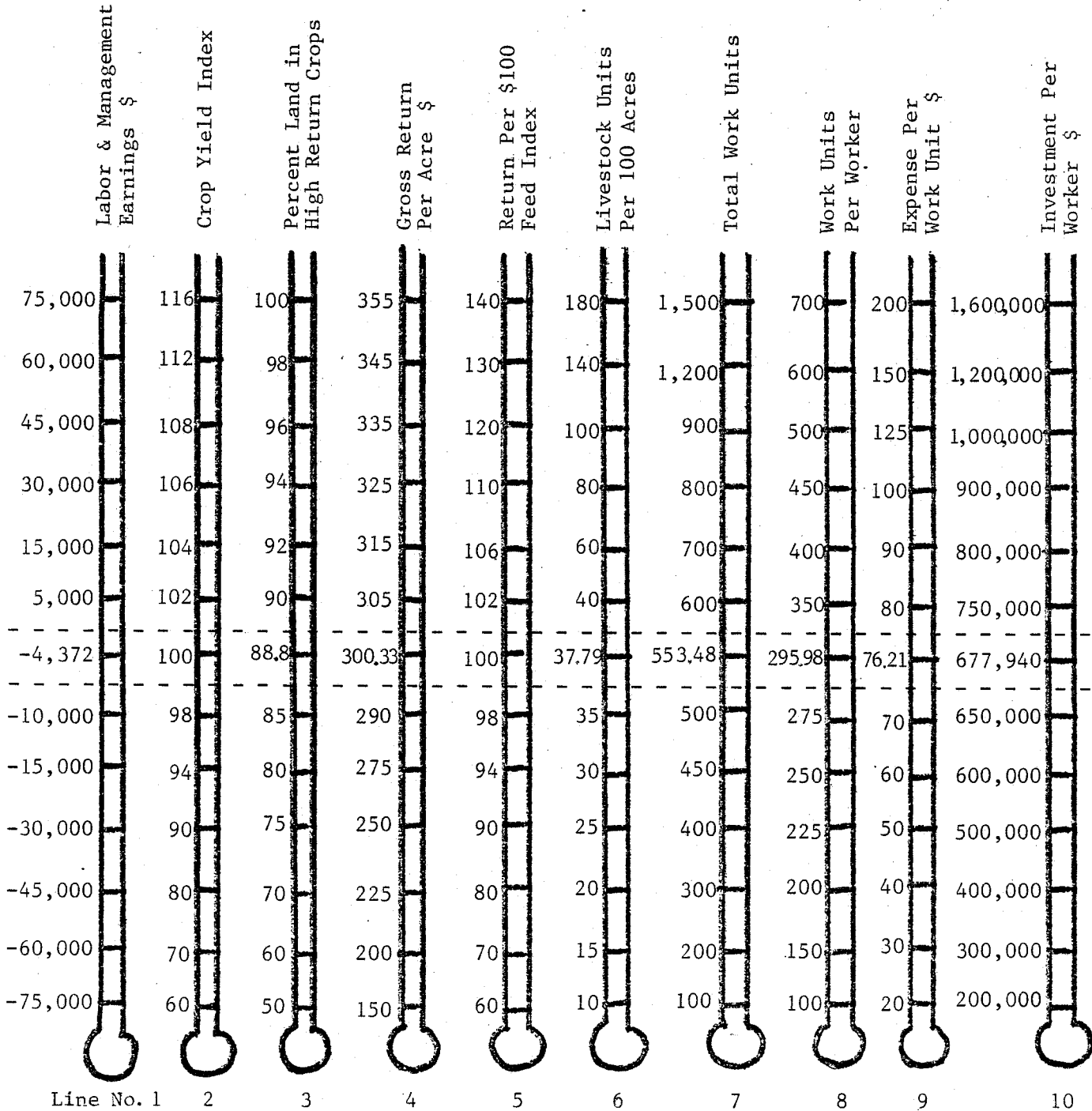


TABLE 9. CROP ACRES, YIELDS, RETURNS AND SUPPLEMENTARY MANAGEMENT INFORMATION - 1980 - S.W.

CROP	Average	34 Most	34 Least
	of 170 Farms	Profitable Farms	Profitable Farms
	acres	acres	acres
SMALL GRAIN AND CANNING PEAS	24.2	30.5	34.5
ROW CROPS	389.7	473.0	403.8
LEGUMES, INCLUDING SEED	17.3	15.2	21.8
OTHER HAY	--	.2	--
SILAGE AND FODDER	30.3	23.1	47.8
TILLABLE PASTURE	2.5	3.0	4.4
FALLOW AND IDLE LAND	5.4	9.0	8.4
TILLABLE LAND	469.4	554.0	520.7
NON-TILLABLE HAY/PASTURE	18.0	12.8	14.2
WILD HAY NOT HARVESTED (NON-TILLABLE)	.9	.4	.8
PASTURE NOT HARVESTED	4.0	5.1	1.2
TIMBER NOT HARVESTED	.8	.3	1.0
ROADS AND WASTE	16.4	18.1	18.1
FARMSTEAD	13.2	11.8	17.6
LAND NOT HARVESTED	35.2	35.7	38.7
NON-TILLABLE LAND	53.2	48.5	52.9
LAND IN FARM OR RANCH	552.6	602.5	573.6
SUPPLEMENTARY MANAGEMENT INFORMATION			
PERCENT LAND TILLABLE	89.8	92.0	90.8
PERCENT LAND IN HIGH RETURN CROPS	88.8	90.5	87.0
FERTILIZER COST PER ACRE	\$19.90	\$20.26	\$20.10
CROP CHEMICALS PER ACRE	\$13.01	\$13.56	\$14.17
SEED AND OTHER COSTS PER ACRE	\$18.82	\$19.13	\$19.16
GAS, OIL AND GREASE BOUGHT PER ACRE	\$12.15	\$11.07	\$14.59

CROP	Crop Rank	No. Farms Growing	Acres		Average Yield Per Acre	Return Over Direct Costs Per Acre <sup>a/</sup>
			Per Farm	Total Acres		
Oats	D	90	26.4	2,376	69.8 bu.	\$107.87
Spring Wheat	C	38	40.7	1,547	44.3 bu.	\$151.02
Corn for Grain	A	179	192.5	34,458	109.8 bu.	\$221.66
Soybeans	A	173	187.1	32,351	37.4 bu.	\$246.55
Alfalfa Hay	B	96	30.5	2,928	4.1 tons	\$182.89
Non-Tillable Hay	D	18	17.5	315	1.8 tons	\$ 60.76
Oat Silage	C	26	16.3	424	6.4 tons	\$ 58.33
Corn Silage	A	95	49.2	4,674	14.5 tons	\$190.57
Legume Pasture	D	26	16.6	432	\$44.94	\$ 40.42
Non-Tillable Prairie Pasture	D	28	98.7	2,764	\$23.58	\$ 21.16
Land Rented Out	C	12	66.7	800	\$64.70	\$ 64.71

<sup>a/</sup>Total crop return (line 6, CROP TABLES) minus direct costs (line 14) and machinery operation (line 18).

## 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 - 1980 - S.W.

ITEMS	Average of 90 Farms	Ret. Over Direct Costs	
		Highest 18 Farms	Lowest 18 Farms
1 ACRES	26.4	19.0	33.2
2 YIELD PER ACRE, BUSHELS	69.8	95.2	45.6
3 VALUE PER BUSHEL	\$ 1.50	\$ 1.50	\$ 1.50
4 CROP PRODUCT RETURN PER ACRE	104.66	142.74	68.46
5 OTHER CROP INCOME PER ACRE	42.01	84.74	20.78
6 TOTAL CROP RETURN PER ACRE	\$146.67	\$227.48	\$ 89.24
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 6.97	\$ 5.05	\$ 8.95
9 CHEMICALS	1.02	.74	1.02
10 SEED	8.18	8.84	9.10
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	2.20	1.32	2.44
11 SPECIAL HIRED LABOR	.19	--	.12
12 CUSTOM WORK HIRED	5.61	7.47	5.66
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 24.17	\$ 23.42	\$ 27.29
15 RETURN OVER DIRECT COSTS PER ACRE	\$122.50	\$204.06	\$ 61.95
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 15.17	\$ 13.25	\$ 15.79
18 FARM POWER & MACHINERY - OPERATION	14.63	15.47	14.49
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	83.06	90.56	76.67
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	4.26	4.41	5.08
23 TOTAL ALLOCATED COSTS PER ACRE	\$117.12	\$123.69	\$112.03
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 5.38	\$ 80.37	\$(-50.08)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.30	.30	.30
27 POWER COST ALLOCATION FACTOR	.95	.99	.96
28 TOTAL LISTED COSTS PER BUSHEL	\$ 2.02	\$ 1.55	\$ 3.05
29 RETURN OVER LISTED COSTS PER BUSHEL	\$ .08	\$ .84	\$(-1.10)
30* BREAK-EVEN YIELD, BUSHELS	94.19	98.07	92.88
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 37.80	\$ 38.11	\$ 39.14
31 TOTAL LISTED COSTS PER ACRE	\$141.29	\$147.11	\$139.32
32 AVERAGE PRICE RECEIVED PER BUSHEL	\$ 1.57	\$ 1.63	\$ 1.52
33 BUSHELS SOLD (OPERATORS SHARE)	959.1	687.7	1702.4

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

TABLE 10-0195 - CROP DATA FOR SPRING WHEAT - 1980 - S.W.

ITEMS	Average of 38 Farms	Ret. Over Direct Costs	
		Highest 13 Farms	Lowest 13 Farms
1 ACRES	40.7	43.8	30.5
2 YIELD PER ACRE, BUSHEL	44.3	56.1	29.3
3 VALUE PER BUSHEL	\$ 4.00	\$ 4.00	\$ 4.00
4 CROP PRODUCT RETURN PER ACRE	177.40	224.47	117.25
5 OTHER CROP INCOME PER ACRE	20.34	32.58	10.36
6 TOTAL CROP RETURN PER ACRE	\$197.74	\$257.05	\$127.61
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 13.10	\$ 6.99	\$ 18.59
9 CHEMICALS	2.53	2.31	2.13
10 SEED	10.25	11.78	11.18
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	1.33	.89	1.54
11 SPECIAL HIRED LABOR	--	.02	--
12 CUSTOM WORK HIRED	5.38	7.60	8.20
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 32.59	\$ 29.59	\$ 41.64
15 RETURN OVER DIRECT COSTS PER ACRE	\$165.15	\$227.46	\$ 85.97
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 16.45	\$ 14.16	\$ 17.45
18 FARM POWER & MACHINERY - OPERATION	14.13	12.81	14.96
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	85.53	87.69	89.62
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	4.39	3.67	5.17
23 TOTAL ALLOCATED COSTS PER ACRE	\$120.50	\$118.33	\$127.20
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 44.65	\$109.13	\$(-41.23)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.30	.30	.30
27 POWER COST ALLOCATION FACTOR	.98	.95	1.00
28 TOTAL LISTED COSTS PER BUSHEL	\$ 3.45	\$ 2.64	\$ 5.76
29 RETURN OVER LISTED COSTS PER BUSHEL	\$ 1.01	\$ 1.94	\$(-1.41)
30* BREAK-EVEN YIELD, BUSHEL	38.27	36.98	42.21
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 38.56	\$ 35.71	\$ 43.05
31 TOTAL LISTED COSTS PER ACRE	\$153.09	\$147.92	\$168.84
32 AVERAGE PRICE RECEIVED PER BUSHEL	\$ 3.98	\$ 4.06	\$ 4.02
33 BUSHEL	1295.1	1695.1	546.1

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

TABLE 10-0275 - CROP DATA FOR CORN FOR GRAIN - 1980 - S.W.

ITEMS	Average of 179 Farms	Ret. Over Direct Costs	
		Highest 36 Farms	Lowest 36 Farms
1 ACRES	192.5	190.2	178.4
2 YIELD PER ACRE, BUSHEL	109.8	141.4	73.9
3 VALUE PER BUSHEL	\$ 3.00	\$ 3.00	\$ 3.00
4 CROP PRODUCT RETURN PER ACRE	329.36	424.21	221.74
5 OTHER CROP INCOME PER ACRE	.98	.30	.85
6 TOTAL CROP RETURN PER ACRE	\$330.34	\$424.51	\$222.59
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 38.48	\$ 44.17	\$ 30.36
9 CHEMICALS	14.63	13.69	16.19
10 SEED	13.79	14.47	12.32
10A CROP DRYING	7.22	7.16	7.05
10B OTHER EXPENSE	3.19	1.80	2.92
11 SPECIAL HIRED LABOR	.18	.22	.02
12 CUSTOM WORK HIRED	5.10	3.73	4.03
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 82.59	\$ 85.24	\$ 72.89
15 RETURN OVER DIRECT COSTS PER ACRE	\$247.75	\$339.27	\$149.70
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 27.12	\$ 27.25	\$ 30.50
18 FARM POWER & MACHINERY - OPERATION	26.09	24.21	26.51
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	92.49	106.86	73.78
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	7.51	7.37	8.51
23 TOTAL ALLOCATED COSTS PER ACRE	\$153.21	\$165.69	\$139.30
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 94.54	\$173.58	\$ 10.40
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.55	.55	.55
27 POWER COST ALLOCATION FACTOR	.95	.94	.91
28 TOTAL LISTED COSTS PER BUSHEL	\$ 2.15	\$ 1.77	\$ 2.87
29 RETURN OVER LISTED COSTS PER BUSHEL	\$ .86	\$ 1.23	\$ .14
30* BREAK-EVEN YIELD, BUSHEL	78.60	83.64	70.73
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 64.12	\$ 61.32	\$ 68.21
31 TOTAL LISTED COSTS PER ACRE	\$235.80	\$250.93	\$212.19
32 AVERAGE PRICE RECEIVED PER BUSHEL	\$ 2.44	\$ 2.40	\$ 2.38
33 BUSHEL	9499.9	12407.5	7884.8

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

TABLE 10-0335 - CROP DATA FOR SOYBEANS - 1980 - S.W.

ITEMS	Average of 173 Farms	Ret. Over Direct Costs	
		Highest 35 Farms	Lowest 35 Farms
1 ACRES	187.1	173.0	121.2
2 YIELD PER ACRE, BUSHEL	37.4	45.4	28.3
3 VALUE PER BUSHEL	\$ 8.00	\$ 8.00	\$ 8.00
4 CROP PRODUCT RETURN PER ACRE	299.52	363.14	226.53
5 OTHER CROP INCOME PER ACRE	3.82	9.89	1.70
6 TOTAL CROP RETURN PER ACRE	\$303.34	\$373.03	\$228.23
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 1.19	\$ .50	\$ 1.96
9 CHEMICALS	13.91	13.98	14.46
10 SEED	10.49	10.74	10.70
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	4.66	5.84	6.40
11 SPECIAL HIRED LABOR	1.08	2.04	.84
12 CUSTOM WORK HIRED	3.70	2.23	7.85
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 35.03	\$ 35.33	\$ 42.21
15 RETURN OVER DIRECT COSTS PER ACRE	\$268.31	\$337.70	\$186.02
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 22.55	\$ 25.59	\$ 17.23
18 FARM POWER & MACHINERY - OPERATION	21.76	22.22	19.56
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	91.96	103.49	77.37
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	6.27	7.29	5.02
23 TOTAL ALLOCATED COSTS PER ACRE	\$142.54	\$158.59	\$119.18
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$125.77	\$179.11	\$ 66.84
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.45	.45	.45
27 POWER COST ALLOCATION FACTOR	.98	.99	.96
28 TOTAL LISTED COSTS PER BUSHEL	\$ 4.74	\$ 4.27	\$ 5.70
29 RETURN OVER LISTED COSTS PER BUSHEL	\$ 3.36	\$ 3.95	\$ 2.36
30* BREAK-EVEN YIELD, BUSHEL	22.20	24.24	20.17
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 53.05	\$ 56.59	\$ 47.05
31 TOTAL LISTED COSTS PER ACRE	\$177.57	\$193.92	\$161.39
32 AVERAGE PRICE RECEIVED PER BUSHEL	\$ 6.36	\$ 6.66	\$ 6.29
33 BUSHEL	5962.2	6177.4	3089.8

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

TABLE 10-0365 - CROP DATA FOR CANNING PEAS - 1980 - S.W.

ITEMS	Average of 5 Farms
1 ACRES	42.8
2 YIELD PER ACRE, DOLLARS	\$190.75
3 VALUE PER PRODUCTION UNIT	\$ 1.00
4 CROP PRODUCT RETURN	\$190.75
5 OTHER CROP INCOME PER ACRE	--
6 TOTAL CROP RETURN PER ACRE	\$190.75
7 DIRECT COSTS PER ACRE	
8 FERTILIZER	\$ 4.70
9 CHEMICALS	4.72
10 SEED	6.12
10A CROP DRYING	--
10B OTHER EXPENSE	1.47
11 SPECIAL HIRED LABOR	--
12 CUSTOM WORK HIRED	3.62
13 IRRIGATION OPERATION	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 20.63
15 RETURN OVER DIRECT COSTS PER ACRE	\$170.12
16 ALLOCATED COSTS PER ACRE	
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 11.61
18 FARM POWER & MACHINERY - OPERATION	10.60
19 IRRIGATION EQUIPMENT - OWNERSHIP	--
20 LAND COSTS	76.00
21 MISCELLANEOUS COSTS	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	5.36
23 TOTAL ALLOCATED COSTS PER ACRE	\$103.57
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 66.55
25 SUPPLEMENTARY MANAGEMENT INFORMATION	
26 WORK UNITS PER ACRE	.40
27 POWER COST ALLOCATION FACTOR	.71
28 TOTAL LISTED COSTS PER UNIT OF PRODUCTION	\$ .65
29 RETURN OVER LISTED COSTS PER UNIT	\$ .35
30* BREAK-EVEN YIELD/UNIT OF PRODUCTION	\$124.20
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 29.98
31 TOTAL LISTED COSTS PER ACRE	\$124.20

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

TABLE 10-0400 - CROP DATA FOR ALFALFA HAY - 1980 - S.W.

ITEMS	Average of 96 Farms	Ret. Over Direct Costs	
		Highest 19 Farms	Lowest 19 Farms
1 ACRES	30.5	30.1	24.2
2 YIELD PER ACRE, TONS	4.1	6.3	2.3
3 VALUE PER TON	\$ 59.90	\$ 60.00	\$ 59.47
4 CROP PRODUCT RETURN PER ACRE	243.54	376.74	135.17
5 OTHER CROP INCOME PER ACRE	--	--	--
6 TOTAL CROP RETURN PER ACRE	\$243.54	\$376.74	\$135.17
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 8.98	\$ 13.52	\$ 6.07
9 CHEMICALS	.33	.07	--
10 SEED	9.57	11.00	14.50
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	2.26	1.76	3.06
11 SPECIAL HIRED LABOR	.36	.17	--
12 CUSTOM WORK HIRED	10.69	2.56	12.19
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 32.19	\$ 29.08	\$ 35.82
15 RETURN OVER DIRECT COSTS PER ACRE	\$211.35	\$347.66	\$ 99.35
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 26.18	\$ 32.61	\$ 19.20
18 FARM POWER & MACHINERY - OPERATION	28.46	33.87	24.18
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	80.75	91.95	63.16
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	7.29	8.40	5.55
23 TOTAL ALLOCATED COSTS PER ACRE	\$142.68	\$166.83	\$112.09
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 68.67	\$180.83	\$(-12.74)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.60	.60	.60
27 POWER COST ALLOCATION FACTOR	.91	1.00	.86
28 TOTAL LISTED COSTS PER TON	\$ 43.01	\$ 31.21	\$ 65.07
29 RETURN OVER LISTED COSTS PER TON	\$ 16.90	\$28.79	\$(-5.60)
30* BREAK-EVEN YIELD, TONS	2.92	3.27	2.49
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 69.06	\$76.59	\$57.06
31 TOTAL LISTED COSTS PER ACRE	\$174.87	\$195.91	\$147.91
32 AVERAGE PRICE RECEIVED PER TON	TOO FEW SALES TO REPORT		
33 TONS SOLD (OPERATORS SHARE)	TOO FEW SALES TO REPORT		

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

TABLE 10-0530 - CROP DATA FOR NON-TILLABLE HAY - 1980 - S.W.

ITEMS	Average of 18 Farms	Ret. Over Direct Costs	
		Highest 9 Farms	Lowest 9 Farms
1 ACRES	17.5	14.5	20.4
2 YIELD PER ACRE, TONS	1.8	1.8	1.9
3 VALUE PER TON	\$ 38.61	\$ 40.00	\$ 37.22
4 CROP PRODUCT RETURN	70.63	71.72	69.31
5 OTHER CROP INCOME PER ACRE	--	--	--
6 TOTAL CROP RETURN PER ACRE	\$ 70.63	\$ 71.72	\$ 69.31
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	--	--	--
9 CHEMICALS	--	--	--
10 SEED	--	--	--
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	\$ .63	\$ 1.10	\$ .25
11 SPECIAL HIRED LABOR	--	--	--
12 CUSTOM WORK HIRED	1.09	--	1.86
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 1.72	\$ 1.10	\$ 2.11
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 68.91	\$ 70.62	\$ 67.20
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 7.62	\$ 7.94	\$ 7.43
18 FARM POWER & MACHINERY - OPERATION	8.15	8.51	7.93
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	30.22	28.22	32.22
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	2.00	2.18	1.88
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 47.99	\$ 46.85	\$ 49.46
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 20.92	\$ 23.77	\$ 17.74
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.20	.20	.20
27 POWER COST ALLOCATION FACTOR	.91	.90	.92
28 TOTAL LISTED COSTS PER TON	\$ 27.19	\$ 26.73	\$ 27.68
29 RETURN OVER LISTED COSTS PER TON	\$ 11.44	\$ 13.27	\$ 9.53
30* BREAK-EVEN YIELD, TONS	1.29	1.20	1.39
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 18.50	\$ 18.63	\$ 18.48
31 TOTAL LISTED COSTS PER ACRE	\$ 49.71	\$ 47.95	\$ 51.57
32 AVERAGE PRICE RECEIVED PER TON		TOO FEW SALES TO REPORT	
33 TONS SOLD (OPERATORS SHARE)		TOO FEW SALES TO REPORT	

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

TABLE 10-0545 - CROP DATA FOR GRAIN (OATS) SILAGE - 1980 - S.W.

ITEMS	Average of 26 Farms	Ret. Over Direct Costs	
		Highest 13 Farms	Lowest 13 Farms
1 ACRES	16.3	17.9	14.8
2 YIELD PER ACRE, TONS	6.4	8.3	4.1
3 VALUE PER TON	\$ 15.19	\$ 15.38	\$ 15.00
4 CROP PRODUCT RETURN PER ACRE	97.85	128.04	61.82
5 OTHER CROP INCOME PER ACRE	1.17	2.12	--
6 TOTAL CROP RETURN PER ACRE	\$ 99.02	\$130.16	\$ 61.82
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 7.06	\$ 7.71	\$ 6.22
9 CHEMICALS	.06	--	.07
10 SEED	7.98	7.71	8.31
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	.43	.67	.14
11 SPECIAL HIRED LABOR	--	--	--
12 CUSTOM WORK HIRED	4.79	4.86	4.73
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 20.32	\$ 20.95	\$ 19.47
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 78.70	\$109.21	\$ 42.35
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 17.04	\$ 17.33	\$ 16.58
18 FARM POWER & MACHINERY - OPERATION	20.37	19.99	20.70
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	85.85	82.85	88.85
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	5.09	4.57	5.68
23 TOTAL ALLOCATED COSTS PER ACRE	\$128.35	\$124.74	\$131.81
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-49.65)	\$(-15.53)	\$(-89.46)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.40	.40	.40
27 POWER COST ALLOCATION FACTOR	.96	.93	.98
28 TOTAL LISTED COSTS PER TON	\$ 23.08	\$ 17.50	\$ 36.69
29 RETURN OVER LISTED COSTS PER TON	\$(-7.70)	\$(-1.87)	\$(-21.69)
30* BREAK-EVEN YIELD, TONS	9.79	9.47	10.09
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 45.69	\$ 45.13	\$ 46.11
31 TOTAL LISTED COSTS PER ACRE	\$148.67	\$145.69	\$151.28

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



TABLE 10-0550 - CROP DATA FOR CORN & SORGHUM SILAGE - 1980 - S.W.

ITEMS	Average of 95 Farms	Ret. Over Direct Costs	
		Highest 19 Farms	Lowest 19 Farms
1 ACRES	49.2	45.7	48.2
2 YIELD PER ACRE, TONS	14.5	20.1	9.9
3 VALUE PER TON	\$ 19.76	\$ 20.00	\$ 18.79
4 CROP PRODUCT RETURN PER ACRE	\$286.36	\$402.63	\$185.56
5 OTHER CROP INCOME PER ACRE	1.04	--	5.25
6 TOTAL CROP RETURN PER ACRE	\$287.40	\$402.63	\$190.81
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 30.02	\$ 33.19	\$ 33.57
9 CHEMICALS	14.13	12.89	15.35
10 SEED	13.64	15.10	15.56
10A CROP DRYING	1.52	--	1.45
10B OTHER EXPENSE	2.56	.90	7.14
11 SPECIAL HIRED LABOR	.08	--	--
12 CUSTOM WORK HIRED	4.27	6.46	4.69
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 66.22	\$ 68.54	\$ 77.76
15 RETURN OVER DIRECT COSTS PER ACRE	\$221.18	\$334.09	\$113.05
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 28.73	\$ 30.92	\$ 26.89
18 FARM POWER & MACHINERY - OPERATION	30.61	36.04	28.52
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	82.13	86.95	75.79
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	8.17	8.05	8.53
23 TOTAL ALLOCATED COSTS PER ACRE	\$149.64	\$161.96	\$139.73
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$ 71.54	\$172.13	\$(-26.68)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.60	.60	.60
27 POWER COST ALLOCATION FACTOR	.98	.98	.95
28 TOTAL LISTED COSTS PER TON	\$ 14.89	\$ 11.45	\$ 22.02
29 RETURN OVER LISTED COSTS PER TON	\$ 4.94	\$ 8.55	\$(-2.70)
30* BREAK-EVEN YIELD, TONS	10.92	11.53	11.57
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 70.36	\$ 79.32	\$ 67.07
31 TOTAL LISTED COSTS PER ACRE	\$215.86	\$230.50	\$217.49
32 AVERAGE PRICE RECEIVED PER TON		TOO FEW SALES TO REPORT	
33 TONS SOLD (OPERATORS SHARE)		TOO FEW SALES TO REPORT	

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

TABLE 10-0570 - CROP DATA FOR LEGUME PASTURES - 1980 - S.W.

ITEMS	Average of 26 Farms	Ret. Over Direct Costs	
		Highest 13 Farms	Lowest 13 Farms
1 ACRES	16.6	7.0	26.2
2 YIELD PER ACRE, DOLLARS	\$ 44.94	\$105.86	\$ 28.66
3 VALUE PER PRODUCTION UNIT	\$ 1.00	\$ 1.00	\$ 1.00
4 CROP PRODUCT RETURN PER ACRE	44.94	105.86	28.66
5 OTHER CROP INCOME PER ACRE	--	--	--
6 TOTAL CROP RETURN PER ACRE	\$ 44.94	\$105.86	\$ 28.66
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ .06	\$ .44	--
9 CHEMICALS	.12	--	.11
10 SEED	1.94	4.85	1.22
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	--	--	--
11 SPECIAL HIRED LABOR	--	--	--
12 CUSTOM WORK HIRED	.73	--	.92
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 2.85	\$ 5.29	\$ 2.25
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 42.09	\$100.57	\$ 26.41
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ 1.17	\$ 2.58	\$ .81
18 FARM POWER & MACHINERY - OPERATION	1.67	2.53	1.45
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	65.96	77.31	54.62
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	.30	.62	.22
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 69.10	\$ 83.04	\$ 57.10
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-27.01)	\$ 17.53	\$(-30.69)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.05	.05	.05
27 POWER COST ALLOCATION FACTOR	.80	.82	.78
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 3.63	\$ 5.73	\$ 3.09
31 TOTAL LISTED COSTS PER ACRE	\$ 71.95	\$ 88.33	\$ 59.35

TABLE 10-0585 - CROP DATA FOR NON-TILLABLE PRAIRIE PASTURES - 1980 - S.W.

ITEMS	Average of 28 Farms	Ret. Over Direct Costs	
		Highest 14 Farms	Lowest 14 Farms
1 ACRES	98.7	76.1	121.4
2 YIELD PER ACRE, DOLLARS	\$ 23.58	\$ 31.71	\$ 18.45
3 VALUE PER PRODUCTION UNIT	\$ 1.00	\$ 1.00	\$ 1.00
4 CROP PRODUCT RETURN PER ACRE	23.58	31.71	18.45
5 OTHER CROP INCOME PER ACRE	--	--	--
6 TOTAL CROP RETURN PER ACRE	\$ 23.58	\$31.71	\$ 18.45
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	\$ 1.11	--	\$ 1.81
9 CHEMICALS	.34	.29	.38
10 SEED	.07	.09	.06
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	--	--	--
11 SPECIAL HIRED LABOR	--	--	--
12 CUSTOM WORK HIRED	.53	.09	.79
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	\$ 2.05	\$ .47	\$ 3.04
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 21.53	\$ 31.24	\$ 15.41
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	\$ .32	\$ .30	\$ .34
18 FARM POWER & MACHINERY - OPERATION	.37	.30	.41
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	29.32	39.29	19.36
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	.09	.10	.08
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 30.10	\$ 39.99	\$ 20.19
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-8.57)	\$(-8.75)	\$(-4.78)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.01	.01	.01
27 POWER COST ALLOCATION FACTOR	--	--	--
30A EST. TOTAL MACHINE COSTS PER ACRE	\$ 1.13	\$ .76	\$ 1.36
31 TOTAL LISTED COSTS PER ACRE	\$ 32.15	\$ 40.46	\$ 23.23

TABLE 10-1186 - LAND RENTED OUT - 1980 - S.W.

ITEMS	Average of 12 Farms	Ret. Over Direct Costs	
		Highest 6 Farms	Lowest 6 Farms
1 ACRES	66.7	36.8	96.6
2 YIELD PER ACRE, DOLLARS	\$ 64.70	\$119.70	\$ 43.80
3 VALUE PER PRODUCTION UNIT	\$ 1.00	\$ 1.00	\$ 1.00
4 CROP PRODUCT RETURN PER ACRE	64.71	119.70	43.76
5 OTHER CROP INCOME PER ACRE	--	--	--
6 TOTAL CROP RETURN PER ACRE	\$ 64.71	\$119.70	\$ 43.76
7 DIRECT COSTS PER ACRE			
8 FERTILIZER	--	--	--
9 CHEMICALS	--	--	--
10 SEED	--	--	--
10A CROP DRYING	--	--	--
10B OTHER EXPENSE	--	--	--
11 SPECIAL HIRED LABOR	--	--	--
12 CUSTOM WORK HIRED	--	--	--
13 IRRIGATION OPERATION	--	--	--
14 TOTAL DIRECT COSTS PER ACRE	--	--	--
15 RETURN OVER DIRECT COSTS PER ACRE	\$ 64.71	\$119.70	\$ 43.76
16 ALLOCATED COSTS PER ACRE			
17 FARM POWER & MACHINERY - OWNERSHIP	--	--	--
18 FARM POWER & MACHINERY - OPERATION	--	--	--
19 IRRIGATION EQUIPMENT - OWNERSHIP	--	--	--
20 LAND COSTS	\$ 91.25	\$ 99.17	\$ 83.33
21 MISCELLANEOUS COSTS	--	--	--
22 INTEREST ON MACH. & EQUIP. INVESTMENT	--	--	--
23 TOTAL ALLOCATED COSTS PER ACRE	\$ 91.25	\$ 99.17	\$ 83.33
24 RETURN OVER ALL LISTED COSTS PER ACRE	\$(-26.54)	\$ 20.53	\$(-39.57)
25 SUPPLEMENTARY MANAGEMENT INFORMATION			
26 WORK UNITS PER ACRE	.05	.05	.05
27 POWER COST ALLOCATION FACTOR	--	--	--
31 TOTAL LISTED COSTS PER ACRE	\$ 91.25	\$ 99.17	\$ 83.33

## 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\* - 1980 - S.W.

ITEMS	Average of 53 Farms	11 Farms	11 Farms
		Highest in Return Above Feed Cost	Lowest in Return Above Feed Cost
1 POUNDS OF HOGS PRODUCED	180,296	271,137	103,495
	Per' Cwt.	Per Cwt.	Per Cwt.
2 NET INCREASE IN VALUE OF HOGS	\$ 41.49	\$ 43.84	\$ 37.25
3 OTHER MISCELLANEOUS HOG INCOME	--	--	--
4 TOTAL VALUE PRODUCED	\$ 41.49	\$ 43.84	\$ 37.25
5 POUNDS OF FEED FED			
6 CORN	306.9	268.7	321.1
7 SMALL GRAIN	15.3	15.9	9.3
8 COMPLETE RATION	14.7	3.7	90.3
9 PROTEIN, SALT & MINERAL & MILK	82.7	75.4	78.3
10 TOTAL CONCENTRATES	419.6	363.7	499.0
11 FORAGES	1.3	.1	1.6
12 FEED COST			
13 GRAINS	\$ 14.41	\$ 12.74	\$ 14.95
14 COMPLETE RATION	1.21	.44	6.52
15 PROTEIN, SALT & MINERAL & MILK	12.68	11.59	12.46
16 FORAGES	.04	--	.06
17 PASTURE	.03	.04	--
18 TOTAL FEED COSTS	\$ 28.37	\$ 24.81	\$ 33.99
19 RETURN OVER FEED COSTS	\$ 13.12	\$ 19.03	\$ 3.26
20 OTHER DIRECT COSTS			
21 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 1.38	\$ 1.45	\$ 1.35
22 VETERINARY EXPENSE	1.27	1.76	.93
23 CUSTOM WORK	.82	.14	.39
24 SPECIAL HIRED LABOR	.50	.74	.05
25 TOTAL OTHER DIRECT COSTS	\$ 3.97	\$ 4.09	\$ 2.72
26 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 9.15	\$ 14.94	\$ .54
27 ALLOCATED COSTS			
28 POWER & MACHINERY COSTS	\$ 1.19	\$ 1.02	\$ 1.45
29 LIVESTOCK EQUIPMENT COSTS	1.88	2.06	2.38
30 BUILDING & FENCES	2.03	2.17	2.32
31 TOTAL ALLOCATED COSTS	\$ 5.10	\$ 5.25	\$ 6.15
32 RETURN OVER ALL LISTED COSTS	\$ 4.05	\$ 9.69	\$(-5.61)
33 SUPPLEMENTARY MANAGEMENT INFORMATION			
34 RETURN FOR \$100 FEED FED	\$146.24	\$176.72	\$109.58
35 PRICE RECEIVED PER CWT. ALL ANIMALS	\$ 40.25	\$ 40.76	\$ 38.44
36 PRICE RECEIVED/CWT. SOLD MKT. ONLY	\$ 39.74	\$ 43.08	\$ 38.99
37 NUMBER OF LITTERS FARROWED	110	178	63
38 NUMBER OF PIGS BORN PER LITTER	9.4	9.5	9.0
39 NUMBER OF PIGS WEANED PER LITTER	7.7	7.8	6.9
40 PERCENT DEATH LOSS	15.4	15.7	17.1
41 AVERAGE WEIGHT OF ALL HOGS SOLD, LBS.	234.1	222.3	249.2
42 AVERAGE WEIGHT OF MKT. HOGS SOLD, LBS.	224.0	213.4	233.1
43 PRICE PER CWT. CONCENTRATE FED	\$ 6.74	\$ 6.81	\$ 6.80
44 PRICE/CWT. PROT., SALT & MIN. FED	\$ 15.33	\$ 15.37	\$ 15.91
45 POUNDS OF PORK PURCHASED	3,968	2,340	6,598
46 TOTAL LISTED COSTS/CWT. PORK PROD.	\$ 37.44	\$ 34.15	\$ 42.86

\*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\* - 1980 - S.W.

ITEMS	Average of 20 Farms	10 Farms Highest in Return Above Feed Cost	10 Farms Lowest in Return Above Feed Cost
1 AVERAGE NUMBER OF PIGS ON HAND	353.4	361.2	345.6
2 POUNDS OF HOGS PRODUCED	156,661	162,201	151,121
	Per Cwt.	Per Cwt.	Per Cwt.
3 NET INCREASE IN VALUE OF HOGS	\$ 30.05	\$ 32.96	\$ 26.92
4 OTHER MISCELLANEOUS HOG INCOME	--	--	--
5 TOTAL VALUE PRODUCED	\$ 30.05	\$ 32.96	\$ 26.92
6 POUNDS OF FEED FED			
7 CORN	318.0	318.2	317.9
8 SMALL GRAIN	11.0	6.0	16.3
9 COMPLETE RATION	5.8	2.4	9.5
10 PROTEIN, SALT & MINERAL & MILK	68.7	68.2	69.3
11 TOTAL CONCENTRATES	403.5	394.8	413.0
12 FORAGES	--	--	--
13 FEED COST			
14 GRAINS	\$ 14.79	\$ 14.61	\$ 14.98
15 COMPLETE RATION	.25	.20	.31
16 PROTEIN, SALT & MINERAL & MILK	10.89	10.52	11.30
17 FORAGES	--	--	--
18 PASTURE	--	--	--
19 TOTAL FEED COSTS	\$ 25.93	\$ 25.33	\$ 26.59
20 RETURN OVER FEED COSTS	\$ 4.12	\$ 7.63	\$ .33
21 OTHER DIRECT COSTS			
22 MISCELLANEOUS LIVESTOCK EXPENSE	\$ .42	\$ .52	\$ .31
23 VETERINARY EXPENSE	.24	.22	.27
24 CUSTOM WORK	.20	.21	.20
25 SPECIAL HIRED LABOR	.14	--	.29
26 TOTAL OTHER DIRECT COSTS	\$ 1.00	\$ .95	\$ 1.07
27 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 3.12	\$ 6.68	\$ (-.74)
28 ALLOCATED COSTS			
29 POWER AND MACHINERY COSTS	\$ .96	\$ 1.09	\$ .65
30 LIVESTOCK EQUIPMENT COSTS	1.45	1.33	1.49
31 BUILDING AND FENCES	2.17	2.95	.75
32 TOTAL ALLOCATED COSTS	\$ 4.58	\$ 5.37	\$ 2.89
33 RETURN OVER ALL LISTED COSTS	\$(-1.46)	\$ 1.31	\$(-3.63)
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED	\$115.88	\$130.14	\$101.23
36 PRICE RECEIVED PER CWT.	\$ 39.36	\$ 39.18	\$ 39.57
37 AVERAGE WEIGHT OF PIGS SOLD, LBS.	224.6	225.2	223.9
38 AVERAGE PRICE PAID PER PIG BOUGHT	\$ 37.77	\$ 33.10	\$ 40.53
39 AVERAGE WEIGHT PER PIG BOUGHT, LBS.	43.6	46.5	41.9
40 NUMBER OF PIGS PURCHASED	682	500	863
41 NUMBER OF PIGS TRANSFERRED IN	195	390	--
42 AVG. WT. OF PIGS TRANSFERRED IN, LBS.	39.3	39.3	--
43 POUNDS OF PORK PURCHASED	29,727	23,266	36,189
44 PERCENT DEATH LOSS	3.5	3.2	3.6
45 PRICE PER CWT. CONCENTRATE FED	\$ 6.43	\$ 6.42	\$ 6.44
46 PRICE/CWT. PROTEIN, SALT & MIN. FED	\$ 15.84	\$ 15.42	\$ 16.29
47 EFFECTIVE DAILY GAIN - LBS./DAY/PIG	1.21	1.23	1.20
48 TOTAL LISTED COST/CWT. PORK PROD.	\$ 31.51	\$ 31.65	\$ 30.55

\* 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 - COSTS AND RETURNS FROM HOGS, WEANING PIG PRODUCTION\* -  
1980 - S.W.

ITEMS	Average of 7 Farms
1 NUMBER OF LITTERS FARROWED	122
2 NET INCREASE IN VALUED OF HOGS	Per Litter \$ 294.24
3 OTHER MISCELLANEOUS WEANING PIGS INCOME	--
4 TOTAL VALUE PRODUCED	\$ 294.24
5 POUNDS OF FEED FED	
6 CORN	1,037.0
7 SMALL GRAIN	143.1
8 COMPLETE RATION	559.7
9 PROTEIN, SALT & MINERAL & MILK	325.9
10 TOTAL CONCENTRATES	2,065.7
11 FORAGES	7.0
12 FEED COST	
13 GRAINS	\$ 52.76
14 COMPLETE RATION	49.28
15 PROTEIN, SALT & MINERAL & MILK	62.65
16 FORAGES	.14
17 PASTURE	--
18 TOTAL FEED COSTS	\$ 164.83
19 RETURN OVER FEED COSTS	\$ 129.41
20 OTHER DIRECT COSTS	
21 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 19.53
22 VETERINARY EXPENSE	13.08
23 CUSTOM WORK	4.07
24 SPECIAL HIRED LABOR	1.30
25 TOTAL OTHER DIRECT COSTS	\$ 37.98
26 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 91.43
27 ALLOCATED COSTS	
28 POWER AND MACHINERY COSTS	\$ 20.34
29 LIVESTOCK EQUIPMENT COSTS	21.68
30 BUILDING AND FENCES	32.16
31 TOTAL ALLOCATED COSTS	\$ 74.18
32 RETURN OVER ALL LISTED COSTS	\$ 17.25
33 SUPPLEMENTARY MANAGEMENT INFORMATION	
34 RETURN FOR \$100 FEED FED	\$ 178.51
35 AVERAGE PRICE RECEIVED PER ANIMAL SOLD	\$ 45.25
36 AVERAGE PRICE PER PIG SOLD OR TRANSFERRED	\$ 31.80
37 AVERAGE WEIGHT PER PIG SOLD OR TRANSFERRED, LBS.	40.8
38 NUMBER OF PIGS PRODUCED	992
39 NUMBER OF PIGS BORN PER LITTER	9.4
40 NUMBER OF PIGS WEANED PER LITTER	8.3
40A LITTERS/BEARING FEMALE/YEAR	--
41 PERCENT DEATH LOSS	10.4
42 PRICE PER CWT. CONCENTRATE FED	\$ 7.97
43 PRICE PER CWT. PROTEIN, SALT & MINERAL FED	\$ 19.23
44 FEED & SUPPLEMENTAL COSTS PER PIG PRODUCED	\$ 24.94
45 TOTAL LISTED COSTS PER LITTER	\$ 276.99

\*FARMS INCLUDED IN TABLE 11C-6510 PRODUCED WEANLINGS WHICH THEY SOLD AS FEEDER PIGS. FEED COSTS, THEREFORE, DO NOT INCLUDE ANY FEED FOR FATTENING ANIMALS, OTHER THAN CULL SOWS AND BOARS.



TABLE 11D-6530 - COSTS AND RETURNS FROM HOGS, MIXED SYSTEMS\* - 1980 - S.W.

ITEMS	Average of 27 Farms	13 Farms Highest in Return Above Feed Cost	13 Farms Lowest in Return Above Feed Cost
1 POUNDS OF HOGS PRODUCED	200,577	259,864	146,505
2 NET INCREASE IN VALUE OF HOGS	Per Cwt. \$ 41.84	Per Cwt. \$ 44.48	Per Cwt. \$ 37.21
3 OTHER MISCELLANEOUS HOG INCOME	--	--	--
4 TOTAL VALUE PRODUCED	\$ 41.84	\$ 44.48	\$ 37.21
5 POUNDS OF FEED FED			
6 CORN	323.4	313.4	334.8
7 SMALL GRAIN	11.7	10.3	15.1
8 COMPLETE RATION	86.2	12.9	222.2
9 PROTEIN, SALT & MINERAL & MILK	85.4	91.2	74.9
10 TOTAL CONCENTRATES	506.7	427.8	647.0
11 FORAGES	1.8	1.5	2.6
12 FEED COSTS			
13 GRAINS	\$ 15.02	\$ 14.51	\$ 15.68
14 COMPLETE RATION	2.10	1.29	3.69
15 PROTEIN, SALT & MINERAL & MILK	13.35	14.28	11.74
16 FORAGES	.05	.04	.07
17 PASTURE	.02	.02	.03
18 TOTAL FEED COSTS	\$ 30.54	\$ 30.14	\$ 31.21
19 RETURN OVER FEED COSTS	\$ 11.30	\$ 14.34	\$ 6.00
20 OTHER DIRECT COSTS			
21 MISCELLANEOUS LIVESTOCK ENTERPRISE	\$ 1.28	\$ 1.33	\$ 1.28
22 VETERINARY EXPENSE	1.22	1.54	.72
23 CUSTOM WORK	.55	.74	.24
24 SPECIAL HIRED LABOR	.09	.14	.01
25 TOTAL OTHER DIRECT COSTS	\$ 3.14	\$ 3.75	\$ 2.25
26 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 8.16	\$ 10.59	\$ 3.75
27 ALLOCATED COSTS			
28 POWER AND MACHINERY COSTS	\$ .99	\$ .85	\$ 1.19
29 LIVESTOCK EQUIPMENT COSTS	1.73	2.14	1.22
30 BUILDING AND FENCES	2.00	2.24	1.89
31 TOTAL ALLOCATED COSTS	\$ 4.72	\$ 5.23	\$ 4.30
32 RETURN OVER ALL LISTED COSTS	\$ 3.44	\$ 5.36	\$ (-.55)
33 SUPPLEMENTARY MANAGEMENT INFORMATION			
34 RETURN FOR \$100 FEED FED	\$137.01	\$147.58	\$119.24
35 PRICE RECEIVED PER CWT. ALL ANIMALS	\$ 40.96	\$ 42.47	\$ 38.81
36 PRICE RECEIVED/CWT. SOLD MKT. ONLY	\$ 40.00	\$ 40.50	\$ 39.37
37 NUMBER OF LITTERS FARROWED	133	203	68
38 NUMBER OF PIGS BORN PER LITTER	9.3	9.5	8.9
39 NUMBER OF PIGS WEANED PER LITTER	7.6	7.7	7.4
40 PERCENT DEATH LOSS	15.6	17.9	10.6
41 AVERAGE WEIGHT OF ALL HOGS SOLD, LBS.	189.3	176.6	210.5
42 AVERAGE WEIGHT OF MKT. HOGS SOLD, LBS.	213.2	206.7	222.5
43 PRICE PER CWT. CONCENTRATE FED	\$ 6.01	\$ 7.03	\$ 4.81
44 PRICE/CWT. PROTEIN, SALT & MINERAL	\$ 15.63	\$ 15.66	\$ 15.67
45 POUNDS OF PORK PRODUCED	8,260	3,576	12,946
46 TOTAL LISTED COSTS/CWT. PORK PROD.	\$ 38.40	\$ 39.12	\$ 37.76

\*FARMS INCLUDED IN TABLE 11D-6530 HAD A MIXTURE OF FARROW-TO-FINISH, SELLING FEEDER PIGS, AND BUYING FEEDER PIGS FOR FATTENING. THEIR FEED RECORDS WERE NOT SEPARABLE FOR EACH CATEGORY OF HOGS.

TABLE 12-6290 - COSTS AND RETURNS FROM DAIRY COWS, COMMERCIAL HERDS - 1980 - S.W.

ITEMS	Average of 23 Farms	11 Farms	11 Farms
		Highest in Return Above Feed Cost	Lowest in Return Above Feed Cost
1 AVERAGE NUMBER OF COWS	47.2	51.3	43.1
	Per Cow	Per Cow	Per Cow
2 POUNDS OF MILK	12,803	13,597	11,944
3 POUNDS OF BUTTERFAT	458.3	488.0	424.9
4 PERCENT OF BUTTERFAT IN MILK	3.6	3.6	3.6
5 VALUE OF PRODUCE			
6 DAIRY PRODUCTS SOLD	\$1,547.63	\$1,662.48	\$1,417.38
7 DAIRY PRODUCTS USED IN HOME	7.33	7.78	6.59
8 MILK FED TO LIVESTOCK	13.92	15.13	13.09
9 NET INCREASES IN VALUE OF COWS	13.01	67.43	(-51.53)
10 OTHER MISCELLANEOUS DAIRY INCOME	--	--	--
11 TOTAL VALUE PRODUCED	\$1,581.89	\$1,752.82	\$1,385.53
12 POUNDS OF FEED FED			
13 CORN	4,904.0	4,690.2	5,038.7
14 SMALL GRAIN	416.7	321.6	571.3
15 COMPLETE RATION	352.8	545.8	158.2
16 PROTEIN, SALT & MINERAL	763.6	649.8	955.3
17 TOTAL CONCENTRATES	6,437.1	6,207.4	6,723.5
18 LEGUME HAY	6,834.9	7,138.1	6,289.8
19 OTHER HAY AND DRY ROUGHAGE	70.2	81.5	17.3
20 SILAGE	13,210.8	8,623.1	19,311.5
21 FEED COSTS			
22 GRAINS	\$ 239.56	\$ 224.46	\$ 254.20
23 COMPLETE RATION	30.34	43.16	18.07
24 PROTEIN, SALT & MINERAL	108.64	93.45	134.99
25 ALL HAY AND DRY ROUGHAGE	170.55	177.06	157.49
26 SILAGE	114.13	77.19	163.39
27 PASTURE	2.97	1.85	4.20
28 TOTAL FEED COSTS	\$ 666.19	\$ 617.17	\$ 732.34
29 RETURN OVER FEED COSTS	\$ 915.70	\$1,135.65	\$ 653.19
30 OTHER DIRECT COSTS			
31 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 67.86	\$ 78.40	\$ 57.17
32 VETERINARY EXPENSE	25.85	25.42	27.33
33 CUSTOM WORK HIRED	55.11	58.07	50.86
34 SPECIAL HIRED LABOR	12.88	24.02	.93
35 TOTAL OTHER DIRECT COSTS	\$ 161.70	\$ 185.91	\$ 136.29
36 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 754.00	\$ 949.74	\$ 516.90
37 ALLOCATED COSTS			
38 POWER AND MACHINERY COSTS	\$ 67.47	\$ 70.34	\$ 64.77
39 LIVESTOCK EQUIPMENT COSTS	82.90	86.06	77.85
40 BUILDING AND FENCES	137.77	186.78	84.70
41 TOTAL ALLOCATED COSTS	\$ 288.14	\$ 343.18	\$ 227.32
42 RETURN OVER ALL LISTED COSTS	\$ 465.86	\$ 606.56	\$ 289.58
43 SUPPLEMENTARY MANAGEMENT INFORMATION			
44 RETURN FOR \$100 FEED FED	\$ 237.45	\$ 284.01	\$ 189.19
45 FEED COST PER CWT. MILK	\$ 5.20	\$ 4.54	\$ 6.13
46 FEED COST PER POUND OF BUTTERFAT	\$ 1.45	\$ 1.26	\$ 1.72
47 POUNDS OF MILK/POUND OF CONCENTRATE	1.99	2.19	1.78
48 AVERAGE PRICE PER CWT. MILK SOLD	\$ 12.25	\$ 12.40	\$ 12.02
49 AVERAGE PRICE/POUND OF BUTTERFAT	\$ 3.42	\$ 3.46	\$ 3.38
50 TOTAL LISTED COSTS/CWT. MILK PROD.	\$ 8.72	\$ 8.43	\$ 9.18
51 DAIRY COW TURNOVER PERCENTAGE	36.0	33.1	39.4
52 TOTAL LISTED COSTS PER COW	\$1,116.03	\$1,146.26	\$1,095.95

TABLE 13A-6310 - COSTS AND RETURNS FROM OTHER DAIRY CATTLE, COMMERCIAL HERD REPLACEMENTS\* - 1980 - S.W.

ITEMS	Average of 18 Farms	9 Highest in Return Above Feed Per Cow	9 Lowest in Return Above Feed Per Cow
1 NUMBER OF HEAD	53.0	42.3	63.8
2 NET INCREASE IN VALUE	Per Head \$ 350.94	Per Head \$ 576.60	Per Head \$ 200.80
3 OTHER MISCELLANEOUS INCOME	--	--	--
4 TOTAL INCOME	\$ 350.94	\$ 576.60	\$ 200.80
5 POUNDS OF FEED FED			
6 CORN	1,240.0	1,508.0	1,060.4
7 SMALL GRAIN	205.5	198.9	209.6
8 COMPLETE RATION	13.8	9.5	16.7
9 PROTEIN, SALT & MINERALS	167.8	206.8	141.7
10 HAY AND DRY ROUGHAGE	2,236.7	2,220.6	2,243.8
11 SILAGE	6,972.8	6,682.4	7,154.3
12 MILK	77.2	96.6	64.2
13 FEED COST			
14 GRAINS	\$ 64.32	\$ 74.78	\$ 57.30
15 COMPLETE RATION	2.32	2.20	2.40
16 PROTEIN, SALT & MINERALS	27.45	30.78	25.20
17 HAY AND DRY ROUGHAGE	49.57	50.47	48.87
18 SILAGE	57.51	59.10	56.36
19 MILK	9.92	13.59	7.48
20 PASTURE	5.89	2.74	7.96
21 TOTAL FEED COSTS	\$ 216.98	\$ 233.66	\$ 205.57
22 RETURN OVER FEED COSTS	\$ 133.96	\$ 342.94	\$ (-4.77)
23 OTHER DIRECT COSTS			
24 MISCELLANEOUS EXPENSE	\$ 7.49	\$ 5.98	\$ 8.50
25 VETERINARY EXPENSE	4.66	6.76	3.24
26 CUSTOM WORK HIRED	1.06	1.28	.91
27 SPECIAL HIRED LABOR	--	--	--
28 TOTAL OTHER DIRECT COSTS	\$ 13.21	\$ 14.02	\$ 12.65
29 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 120.75	\$ 328.92	\$ (-17.42)
30 ALLOCATED COSTS			
31 POWER AND MACHINERY COSTS	\$ 12.76	\$ 14.34	\$ 11.62
32 LIVESTOCK EQUIPMENT COSTS	12.47	13.53	11.23
33 BUILDING AND FENCES	27.13	44.02	16.88
34 TOTAL ALLOCATED COSTS	\$ 52.36	\$ 71.89	\$ 39.73
35 RETURN OVER ALL LISTED COSTS	\$ 68.39	\$ 257.03	\$ (-57.15)
36 SUPPLEMENTARY MANAGEMENT INFORMATION			
37 RETURN FOR \$100 FEED FED	\$ 161.74	\$ 246.76	\$ 97.68
38 PERCENT DEATH LOSS	9.5	9.2	9.7
39 PERCENT CALF DEATH LOSS	18.8	18.4	19.0
40 TOTAL LISTED COSTS PER COW	\$ 282.55	\$ 319.57	\$ 257.95

\*TABLE 13A-6310 CONTAINS INFORMATION ON YOUNG DAIRY CATTLE KEPT FOR HERD REPLACEMENTS ONLY. THE HIGH AND LOW CATEGORIES ARE BASED ON RETURNS ABOVE FEED COST PER COW (TABLE 12) FOR THESE SAME FARMS.

TABLE 13B-6318 - COSTS AND RETURNS FROM OTHER DAIRY CATTLE, REPLACEMENTS AND FEEDER STOCK COMBINED\* - 1980 - S.W.

ITEMS	Average of 8 Farms
1 NUMBER OF HEAD	71.6
	Per Head
2 NET INCREASE IN VALUE	\$ 342.12
3 OTHER MISCELLANEOUS INCOME	--
4 TOTAL INCOME	\$ 342.12
5 POUNDS OF FEED FED	
6 CORN	1,394.7
7 SMALL GRAIN	164.8
8 COMPLETE RATION	125.0
9 PROTEIN, SALT AND MINERALS	97.8
10 HAY AND DRY ROUGHAGE	1,964.0
11 SILAGE	5,275.1
12 MILK	99.4
13 FEED COST	
14 GRAINS	\$ 69.97
15 COMPLETE RATION	16.40
16 PROTEIN, SALT AND MINERALS	12.88
17 HAY AND DRY ROUGHAGE	49.80
18 SILAGE	47.61
19 MILK	9.85
20 PASTURE	2.23
21 TOTAL FEED COSTS	\$ 208.74
22 RETURN OVER FEED COSTS	\$ 133.38
23 OTHER DIRECT COSTS	
24 MISCELLANEOUS EXPENSE	\$ 14.99
25 VETERINARY EXPENSE	9.68
26 CUSTOM WORK HIRED	2.08
27 SPECIAL HIRED LABOR	7.36
28 TOTAL OTHER DIRECT COSTS	\$ 34.11
29 RETURN OVER FEED AND OTHER DIRECT COSTS	\$ 99.27
30 ALLOCATED COSTS	
31 POWER AND MACHINERY COSTS	\$ 11.29
32 LIVESTOCK EQUIPMENT COSTS	17.12
33 BUILDING AND FENCES	14.25
34 TOTAL ALLOCATED COSTS	\$ 42.66
35 RETURN OVER ALL LISTED COSTS	\$ 56.61
36 SUPPLEMENTARY MANAGEMENT INFORMATION	
37 RETURN FOR \$100 FEED FED	\$ 163.90
38 PERCENT DEATH LOSS - TOTAL	8.6
39 PERCENT CALF DEATH LOSS	20.0
40 TOTAL LISTED COSTS PER COW	\$ 285.51

\*TABLE 13B-6318 CONTAINS COSTS AND RETURNS INFORMATION FOR AN ENTERPRISE THAT INCLUDES BOTH YOUNG DAIRY CATTLE KEPT FOR HERD REPLACEMENTS AND FEEDER CATTLE OF DAIRY BREEDS. ANALYSIS WAS DONE ON THE COMBINED GROUPS BECAUSE THESE FARMS DID NOT KEEP SEPARATE RECORDS OF FEED FOR THE TWO CATEGORIES. THE HIGH AND LOW CATEGORIES ARE BASED ON RETURNS ABOVE FEED COST PER COW (TABLE 12) FOR THESE SAME FARMS.

TABLE 14 - COSTS AND RETURNS FROM ALL DAIRY CATTLE\* - 1980 - S.W.

ITEMS	Average of 23 Farms	11 Farms Highest in Return Above Feed Costs	11 Farms Lowest in Return Above Feed Costs
1 AVERAGE NUMBER OF COWS	47.2	46.8	47.4
	Per Cow	Per Cow	Per Cow
2 VALUE OF DAIRY PRODUCTS	\$ 1,568.88	\$ 1,695.71	\$ 1,440.00
3 NET INCREASE IN VALUE	438.88	517.44	380.86
4 MISCELLANEOUS DAIRY INCOME	--	--	--
5 TOTAL VALUE PRODUCED	\$ 2,007.76	\$ 2,213.15	\$ 1,820.86
6 POUNDS OF FEED FED			
7 GRAINS	7,297.8	7,663.0	7,129.8
8 COMPLETE RATIONS	430.9	616.9	288.1
9 PROT., SALT & MINERALS, INCL. MILK EQUIV.	946.8	756.3	1,130.5
10 HAY AND DRY ROUGHAGE	9,630.6	10,190.0	9,317.6
11 SILAGE	21,463.9	15,866.3	27,029.5
12 FEED COSTS			
13 GRAINS	\$ 327.78	\$ 341.97	\$ 322.41
14 COMPLETE RATIONS	41.02	49.98	36.05
15 PROT., SALT & MINERALS, INCL. MILK	150.38	131.22	168.82
16 HAY AND DRY ROUGHAGE	233.05	246.41	225.36
17 SILAGE	183.64	143.93	222.28
18 PASTURE COSTS	8.62	9.83	7.66
19 TOTAL FEED COSTS	\$ 944.49	\$ 923.34	\$ 982.58
20 RETURN OVER FEED COSTS	\$ 1,063.27	\$ 1,289.81	\$ 838.28
21 OTHER DIRECT COSTS			
22 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 81.48	\$ 88.10	\$ 74.92
23 VETERINARY EXPENSE	33.98	36.90	32.26
24 CUSTOM WORK	57.01	61.90	51.86
25 SPECIAL HIRED LABOR	16.78	9.32	25.72
26 TOTAL OTHER DIRECT COSTS	\$ 189.25	\$ 196.22	\$ 184.76
27 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 874.02	\$ 1,093.59	\$ 653.52
28 ALLOCATED COSTS			
29 POWER AND MACHINERY COSTS	\$ 82.30	\$ 84.96	\$ 75.19
30 LIVESTOCK EQUIPMENT COSTS	99.48	111.12	92.27
31 BUILDING AND FENCES	164.88	239.82	96.13
32 TOTAL ALLOCATED COSTS	\$ 364.66	\$ 435.90	\$ 263.59
33 RETURN OVER ALL LISTED COSTS	\$ 527.36	\$ 657.69	\$ 389.93
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED	\$ 212.58	\$ 239.69	\$ 185.32
36 TOTAL LISTED COSTS PER COW	\$ 1,480.40	\$ 1,555.46	\$ 1,430.93

\*TABLE 14 REPRESENTS 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-6100A - COSTS AND RETURNS FROM BEEF BREEDING CATTLE, FARM,  
COMMERCIAL HERD\* - 1980 - S.W.

ITEMS	Average of 22 Farms	11 Farms	
		Highest in Return Above Feed Cost	Lowest in Return Above Feed Cost
1 AVERAGE NUMBER OF BEEF COWS	59.4	71.0	47.7
2 AVG. NUMBER OF OTHER BEEF ANIMALS & BULLS	30.7	38.0	23.4
3 POUNDS OF BEEF PRODUCED	26,007	33,051	18,964
	Per Cow	Per Cow	Per Cow
4 NET INCREASE IN VALUE	\$ 306.14	\$ 330.56	\$ 270.46
5 OTHER MISCELLANEOUS INCOME	--	--	--
6 TOTAL VALUE PRODUCED	\$ 306.14	\$ 330.56	\$ 270.46
7 POUNDS OF FEED FED			
8 GRAIN	223.8	210.3	244.3
9 PROTEIN, SALT AND MINERAL	100.6	100.4	101.1
10 LEGUME HAY	2,629.6	2,331.6	3,078.7
11 OTHER HAY AND DRY ROUGHAGE	1,989.3	2,151.1	1,752.6
12 SILAGE	4,342.4	4,172.3	4,604.5
13 FEED COST			
14 GRAIN	\$ 10.30	\$ 9.90	\$ 10.94
15 PROTEIN, SALT AND MINERAL	13.65	14.15	12.91
16 LEGUME HAY	66.14	58.30	77.97
17 OTHER HAY AND DRY ROUGHAGE	9.11	2.17	19.48
18 SILAGE	40.25	37.06	45.07
19 PASTURE	38.38	36.51	41.24
20 TOTAL FEED COSTS	\$ 177.83	\$ 158.09	\$ 207.61
21 RETURN OVER FEED COST	\$ 128.31	\$ 172.47	\$ 62.85
22 OTHER DIRECT COSTS			
23 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 9.21	\$ 10.30	\$ 7.59
24 VETERINARY EXPENSE	7.22	7.72	6.48
25 CUSTOM WORK	3.75	3.39	4.30
26 SPECIAL HIRED LABOR	.03	.07	--
27 TOTAL OTHER DIRECT COSTS	\$ 20.21	\$ 21.48	\$ 18.37
28 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 108.10	\$ 150.99	\$ 44.48
29 ALLOCATED COSTS			
30 POWER AND MACHINERY COSTS	\$ 17.39	\$ 17.45	\$ 14.64
31 LIVESTOCK EQUIPMENT COSTS	20.91	18.36	18.63
32 BUILDING AND FENCES	20.68	24.83	15.09
33 TOTAL ALLOCATED COSTS	\$ 58.98	\$ 60.64	\$ 48.36
34 RETURN OVER ALL LISTED COSTS	\$ 49.12	\$ 90.35	\$ (-3.88)
35 SUPPLEMENTARY MANAGEMENT INFORMATION			
36 RETURN FOR \$100 FEED FED	\$ 172.16	\$ 209.11	\$ 130.27
37 PRICE PER CWT. SOLD	\$ 55.27	\$ 57.47	\$ 51.08
38 PRICE/CWT. CALVES SOLD OR TRANS.	\$ 78.14	\$ 82.83	\$ 71.79
39 AVERAGE WEIGHT PER HEAD SOLD, LBS.	1,035.1	1,017.1	1,071.2
40 AVG. WEIGHT/CALF SOLD OR TRANS.	437.7	445.5	427.7
41 PERCENT DEATH LOSS	2.7	2.8	2.6
42 PERCENT CALF CROP	96.7	98.6	95.7
43 TOTAL LISTED COSTS PER COW	\$ 257.02	\$ 240.21	\$ 274.34

\*TABLE 15A-6100A 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 - COSTS AND RETURNS FROM BEEF FEEDER CATTLE, FEEDLOT - 1980 - S.W.

ITEMS	Average of 73 Farms	15 Farms	15 Farms
		Highest in Return Above Feed Cost	Lowest in Return Above Feed Cost
1 AVERAGE NUMBER OF BEEF FEEDERS	196.5	197.4	131.1
2 POUNDS OF BEEF PRODUCED	141,374	146,237	89,277
	Per Cwt.	Per Cwt.	Per Cwt.
3 NET INCREASE IN VALUE OF ANIMALS	\$ 45.24	\$ 50.07	\$ 40.34
4 OTHER MISCELLANEOUS BEEF INCOME	--	--	--
5 TOTAL VALUE PRODUCED	\$ 45.24	\$ 50.07	\$ 40.34
6 POUNDS OF FEED FED			
7 GRAIN	526.6	389.4	636.5
8 PROTEIN, SALT AND MINERAL	49.0	54.8	41.5
9 LEGUME HAY	138.6	151.6	197.9
10 OTHER HAY AND DRY ROUGHAGE	8.4	11.2	15.4
11 SILAGE	877.6	866.8	999.6
13 FEED COST			
13 GRAIN	\$ 23.90	\$ 17.55	\$ 30.48
14 PROTEIN, SALT AND MINERAL	6.10	6.31	6.58
15 LEGUME HAY	3.30	3.23	4.45
16 OTHER HAY AND DRY ROUGHAGE	.15	.20	.15
17 SILAGE	8.07	8.09	9.35
18 PASTURE	--	--	--
19 TOTAL FEED COST	\$ 41.52	\$ 35.38	\$ 51.01
20 RETURN OVER FEED COST	\$ 3.72	\$ 14.69	\$(-10.67)
21 OTHER DIRECT COSTS			
22 MISCELLANEOUS LIVESTOCK EXPENSE	\$ .47	\$ .51	\$ .41
23 VETERINARY EXPENSE	1.04	.98	1.36
24 CUSTOM WORK HIRED	1.00	.82	1.61
25 SPECIAL HIRED LABOR	--	--	.02
26 TOTAL OTHER DIRECT COSTS	\$ 2.51	\$ 2.31	\$ 3.40
27 RETURN OVER FEED & OTHER DIRECT COSTS	\$ 1.21	\$ 12.38	\$(-14.07)
28 ALLOCATED COSTS			
29 POWER AND MACHINERY COSTS	\$ 1.05	\$ 1.12	\$ 1.11
30 LIVESTOCK EQUIPMENT COSTS	1.39	1.44	1.62
31 BUILDINGS AND FENCES	1.88	2.01	1.98
32 TOTAL ALLOCATED COSTS	\$ 4.32	\$ 4.57	\$ 4.71
33 RETURN OVER ALL LISTED COSTS	\$(-3.11)	\$ 7.81	\$(-18.78)
34 SUPPLEMENTARY MANAGEMENT INFORMATION			
35 RETURN FOR \$100 FEED FED	\$108.97	\$141.52	\$ 79.08
36 PRICE PER CWT. SOLD	\$ 65.03	\$ 64.73	\$ 65.77
37 AVERAGE WEIGHT PER HEAD SOLD, LBS.	1,090.8	1,108.3	1,023.5
38 PRICE PER CWT. BOUGHT	\$ 75.15	\$ 74.40	\$ 75.78
39 AVERAGE WEIGHT PER HEAD BOUGHT, LBS.	604.6	568.1	611.8
40 NUMBER OF HEAD BOUGHT	304	269	178
41 PERCENT DEATH LOSS	.8	.8	.9
42 EFFECTIVE DAILY GAIN - LBS./HEAD/DAY	1.97	2.03	1.87
43 TOTAL LISTED COSTS PER CWT. PROD.	\$ 48.35	\$ 42.26	\$ 59.12

TABLE 16A-6670 - COSTS AND RETURNS FROM SHEEP, FARM FLOCK, COMMERCIAL -  
1980 - S.W.

ITEMS	Average of 7 Farms
1 AVERAGE NUMBER OF EWES	37.3
2 POUNDS OF LAMB AND MUTTON PRODUCED	5,176
3 POUNDS OF WOOL PRODUCED	416
	Per Ewe
4 VALUE OF PRODUCE	
5 WOOD	\$ 8.42
6 NET INCREASE IN VALUE OF ANIMALS	71.39
7 OTHER MISCELLANEOUS SHEEP INCOME	--
8 TOTAL VALUE PRODUCED	\$ 79.81
9 POUNDS OF FEED FED	
10 GRAIN	520.2
11 PROTEIN, SALT AND MINERAL	23.4
12 LEGUME HAY	834.9
13 OTHER HAY AND DRY ROUGHAGE	91.9
14 SILAGE	643.4
15 FEED COST	
16 GRAIN	\$ 25.09
17 PROTEIN, SALT AND MINERAL	3.81
18 LEGUME HAY	20.64
19 OTHER HAY AND DRY ROUGHAGE	2.31
20 SILAGE	5.79
21 PASTURE	1.66
22 TOTAL FEED COSTS	\$ 59.30
23 RETURN OVER FEED COSTS	\$ 20.51
24 OTHER DIRECT COSTS	
25 MISCELLANEOUS LIVESTOCK EXPENSE	\$ 1.10
26 VETERINARY EXPENSE	2.60
27 CUSTOM WORK	2.39
28 SPECIAL HIRED LABOR	--
29 TOTAL OTHER DIRECT COSTS	\$ 6.09
30 RETURN OVER FEED AND OTHER DIRECT COSTS	\$ 14.42
31 ALLOCATED COSTS	
32 POWER AND MACHINERY COSTS	\$ 19.37
33 LIVESTOCK EQUIPMENT COSTS	36.90
34 BUILDING AND FENCES	18.46
35 TOTAL ALLOCATED COSTS	\$ 74.73
36 RETURN OVER ALL LISTED COSTS	\$(-60.31)
37 SUPPLEMENTARY MANAGEMENT INFORMATION	
38 RETURN FOR \$100 FEED FED	\$ 134.58
39 PRICE PER CWT. LAMB AND MUTTON SOLD	\$ 53.76
40 PRICE PER CWT. LAMB SOLD OR TRANSFERRED	\$ 60.60
41 AVERAGE WEIGHT OF LAMBS SOLD OR TRANSFERRED, LBS.	110.9
42 POUNDS OF WOOL PER SHEEP SHEARED	9.9
43 NUMBER OF EWES KEPT FOR LAMBING	27
44 PERCENT LAMB CROP	192.6
45 PERCENT DEATH LOSS	10.9
46 TOTAL LISTED COSTS PER EWE	\$ 140.12



TABLE A. AVERAGES BY TYPE OF FARM - 1980 - S.W.

ITEMS	Average	Cash	Cash Crops	Cash Crops	Cash Crops	Cash Crops	Cash Crops
	All Farms	Crops	Plus Dairy	Plus Beef Feeders	Plus Hogs Farrow-Finish	Plus Finishing Hogs	Beef Feeding Plus Hogs Farrow-Finish
1 Number of Farms	170	40	13	22	44	8	7
Land							
2 Acres Per Farm	522.7	474.7	397.8	760.5	544.5	499.9	524.7
3 Acres Tillable	469.5	442.1	362.6	670.0	501.8	461.0	473.0
4 % Tillable in High Return Crops	88.8	94.4	86.3	89.3	92.0	88.7	87.8
5 % Tillable in Corn & Corn Silage	49.0	46.6	37.5	36.0	46.3	40.8	52.4
6 % Tillable in Soybeans	41.0	46.1	33.4	41.0	43.0	47.2	30.9
7 % Tillable in Alfalfa	3.7	1.0	12.5	3.7	1.9	1.8	5.3
Labor							
8 Number of Workers	1.87	1.48	2.30	2.13	2.00	1.43	1.41
9 Total Work Units	553.48	318.36	587.13	719.05	592.32	366.72	574.54
10 Work Units in Crops	232.69	215.57	184.86	335.82	247.93	216.72	232.01
11 Work Units in Livestock	293.37	32.70	396.66	368.39	321.38	142.23	339.52
12 Units Per Worker	295.98	215.11	255.27	337.57	296.16	256.45	407.48
Capital							
13 Average Farm Capital Managed <sup>a/</sup>	\$1,333,993	\$1,219,507	\$1,034,020	\$1,867,173	\$1,370,372	\$1,334,260	\$1,271,717
14 Capital Managed Per Worker <sup>a/</sup>	\$ 713,365	\$ 823,991	\$ 449,574	\$ 876,607	\$ 685,186	\$ 933,049	\$ 901,927
Earnings: Operator's Share							
15 Net Cash Operating Income	\$ 43,041	\$ 40,634	\$ 50,117	\$ 75,826	\$ 37,265	\$ 28,174	\$ 34,767
16 Return to Operator Labor & Mgmt.	\$ 16,210	\$ 17,323	\$ 30,008	\$ 10,225	\$ 31,312	\$ -1,352	\$ -13,759
17 Ret. Op. & Fam. Labor, Mgmt, Equity Cap.	\$ 46,713	\$ 56,679	\$ 42,059	\$ 56,142	\$ 52,093	\$ 31,465	\$ 18,172
18 Return to Capital - Whole Farm (%) <sup>b/</sup>	5.2	5.6	5.6	5.2	5.8	4.1	3.8
19 Total Farm Sales	\$ 238,105	\$ 133,512	\$ 149,589	\$ 427,178	\$ 201,735	\$ 205,370	\$ 293,884
20 Total Value Added	\$ 148,445	\$ 126,608	\$ 140,722	\$ 195,585	\$ 165,765	\$ 119,415	\$ 119,808
Proportion of Value Added (%)							
21 From Livestock	16.2	1.3	35.1	9.8	19.4	2.5	15.8
22 From Crops	80.7	95.2	63.0	87.1	77.6	93.9	81.5
Expenses							
23 Cash Exp. Per \$100 Sales	\$ 81.1	\$ 64.5	\$ 66.4	\$ 82.2	\$ 81.3	\$ 86.2	\$ 88.1
24 Purchases Per \$100 Sales	\$ 96.2	\$ 84.7	\$ 95.8	\$ 92.4	\$ 100.3	\$ 92.5	\$ 114.0
Yields Per Acre							
25 Corn (bushels)	109.8	115.3	107.0	109.2	113.0	114.7	91.9
26 Soybeans (bushels)	37.4	39.0	33.8	36.8	38.1	36.3	31.4
27 Alfalfa (tons)	4.1	--	3.8	4.0	4.0	3.9	5.5
28 Corn Silage (tons)	14.5	--	14.2	15.0	15.0	14.8	14.6

<sup>a/</sup>With land valued at conservative current market price.

<sup>b/</sup>With operator's labor and management valued at \$15,000/yr.

TABLE B. COUNTY AVERAGES - 1980 - S.W.

ITEM	S.W. Ass'n. Average	Cottonwood	Jackson	Martin Faribault Watonwan	Pipestone Murray	Nobles	Redwood Lyon Yellow Med.
1 Number of Farms	170	25	21	32	35	30	27
2 Size of Farm - Acres Total	523	535	489	450	563	515	579
3 Tillable Acres	470	489	456	416	492	481	483
4 Farm Capital Invested Per Worker <sup>a/</sup>	\$ 713,365	\$ 830,991	\$ 763,627	\$ 774,788	\$ 605,783	\$ 673,263	\$ 676,577
5 Total Farm Capital 12/31 <sup>a/</sup>	\$1,285,452	\$1,430,083	\$1,282,872	\$1,363,663	\$1,129,422	\$1,308,399	\$1,237,612
6 Increase in Farm Capital 1/1 - 12/31 <sup>b/</sup>	\$ 35,411	\$ 29,880	\$ 50,999	\$ 39,912	\$ 41,507	\$ 25,424	\$ 25,157
7 Total Farm Receipts	\$ 301,357	\$ 324,958	\$ 243,913	\$ 321,388	\$ 299,369	\$ 327,554	\$ 273,910
8 Total Farm Expenses	\$ 305,729	\$ 33,053	\$ 237,061	\$ 320,078	\$ 305,736	\$ 339,286	\$ 279,535
9 Return to Lab. & Mgmt. Whole Farm <sup>a/</sup>	\$ -4,372	\$ -8,095	\$ 6,852	\$ 1,310	\$ -6,367	\$ -11,733	\$ -5,625
10 Total Cash Living Expenses	\$ 16,032	\$ 17,272	\$ 18,846	\$ 18,752	\$ 12,864	\$ 15,228	\$ 14,873
11 Total Household & Personal Living Exp.	\$ 30,078	\$ 32,220	\$ 48,656	\$ 37,032	\$ 22,875	\$ 20,649	\$ 22,390
12 Farmer's Net Worth 12/31 <sup>b/</sup>	\$ 543,968	\$ 694,628	\$ 449,906	\$ 532,778	\$ 424,407	\$ 531,403	\$ 649,646
13 Gain in Net Worth <sup>c/</sup>	\$ 25,116	\$ 22,729	\$ 39,852	\$ 26,562	\$ 17,189	\$ 7,158	\$ 38,447
14 Ratio of Assets to Liabilities 12/31 <sup>c/</sup>	3.573	3.793	4.026	3.604	2.969	3.180	4.138
15 Operator's Share-Ret. to Lab. & Mgmt. <sup>a/</sup>	\$ 16,210	\$ 8,524	\$ 24,598	\$ 23,913	\$ 12,776	\$ 13,031	\$ 15,656
16 Ret. Op. & Fam. Labor, Mgmt., & Equity Cap.	\$ 46,713	\$ 51,069	\$ 53,424	\$ 50,238	\$ 37,461	\$ 40,030	\$ 52,701
17 Net Cash Operating Income	\$ 43,041	\$ 51,965	\$ 28,984	\$ 39,210	\$ 34,768	\$ 52,808	\$ 50,126
18 Oats Yield Per Acre (bu.)	69.8	69.7	83.8	79.3	63.9	70.3	73.3
19 Total Crop Return Per Acre	\$ 146.67	\$ 159.40	\$ 180.39	\$ 182.56	\$ 131.56	\$ 155.25	\$ 141.34
20 Return Over All Listed Costs Per Acre <sup>d/</sup>	\$ 5.38	\$ -16.42	\$ 21.57	\$ 25.35	\$ 13.42	\$ 8.17	\$ 1.53
21 Cost of Production Per Bushel <sup>d/</sup>	\$ 2.02	\$ 2.52	\$ 1.90	\$ 1.98	\$ 1.85	\$ 2.09	\$ 1.91
22 Wheat Yield Per Acre (bu.)	44.3	55.5	--	40.9	41.1	34.7	43.7
23 Total Crop Return Per Acre	\$ 197.74	\$ 239.17	--	\$ 196.55	\$ 182.76	\$ 179.18	\$ 191.64
24 Return Over All Listed Costs Per Acre <sup>d/</sup>	\$ 44.65	\$ 77.72	--	\$ 4.12	\$ 51.62	\$ 18.36	\$ 44.60
25 Cost of Production Per Bushel	\$ 3.45	\$ 2.91	--	\$ 4.70	\$ 3.19	\$ 4.63	\$ 3.36
26 Alfalfa Hay Yield Per Acre (tons)	4.1	4.7	4.9	4.5	3.4	3.7	4.3
27 Total Crop Return Per Acre	\$ 243.54	\$ 279.40	\$ 296.77	\$ 269.47	\$ 206.30	\$ 223.76	\$ 257.74
28 Return Over All Listed Costs Per Acre <sup>d/</sup>	\$ 68.67	\$ 22.86	\$ 86.51	\$ 71.46	\$ 54.72	\$ 45.12	\$ 80.14
29 Cost of Production Per Ton <sup>d/</sup>	\$ 43.01	\$ 37.14	\$ 42.51	\$ 44.09	\$ 44.08	\$ 47.90	\$ 40.92
30 Corn Silage Yield Per Acre (tons)	14.5	14.8	17.0	17.7	13.7	12.8	15.0
31 Total Crop Return Per Acre	\$ 287.40	\$ 295.59	\$ 340.00	\$ 327.47	\$ 273.30	\$ 255.20	\$ 299.45
32 Return Over All Listed Costs Per Acre <sup>d/</sup>	\$ 71.54	\$ 66.03	\$ 76.92	\$ 73.90	\$ 92.52	\$ 28.21	\$ 86.81
33 Cost of Production Per Ton <sup>d/</sup>	\$ 14.89	\$ 15.53	\$ 15.48	\$ 14.32	\$ 13.23	\$ 17.79	\$ 14.20

<sup>a/</sup>With land valued at current conservative market value.<sup>c/</sup>Land price constant, 1/1/80 - 12/31/80.<sup>b/</sup>Average of those reporting, as not all farms report this item.<sup>d/</sup>Includes charge for land (see TABLE 7).

TABLE B. COUNTY AVERAGES - 1980 - S.W. (continued)

ITEMS	S.W. Ass'n. Average	Cottonwood	Jackson	Martin Faribault Watowan	Pipestone Murray	Nobles	Redwood Lyon Yellow Med.
34 Corn Yield Per Acre (bu.)	109.8	114.0	126.2	134.2	84.2	104.2	107.0
35 Total Crop Return Per Acre	\$330.34	\$342.57	\$379.64	\$403.11	\$253.22	\$313.37	\$324.15
36 Fertilizer (Costs Per Acre)	\$ 38.48	\$ 45.86	\$ 44.00	\$ 53.99	\$ 29.09	\$ 30.50	\$ 31.67
37 Chemicals	\$ 14.63	\$ 16.95	\$ 13.95	\$ 16.35	\$ 13.93	\$ 14.56	\$ 12.11
38 Seed and Other	\$ 24.20	\$ 24.10	\$ 26.52	\$ 26.64	\$ 21.04	\$ 23.96	\$ 24.38
39 Custom Work Hired	\$ 5.10	\$ 4.06	\$ 12.56	\$ 4.88	\$ 4.11	\$ 4.12	\$ 2.20
40 Machinery - Ownership	\$ 27.12	\$ 26.68	\$ 25.35	\$ 27.65	\$ 28.68	\$ 25.65	\$ 27.98
41 Machinery - Operation	\$ 26.09	\$ 26.94	\$ 27.42	\$ 26.07	\$ 24.56	\$ 24.98	\$ 27.73
42 Interest on Machinery	\$ 7.51	\$ 7.66	\$ 6.48	\$ 8.14	\$ 7.80	\$ 7.51	\$ 7.15
43 Land Cost	\$ 92.49	\$ 95.32	\$104.46	\$112.64	\$ 65.87	\$100.47	\$ 82.59
44 Return Over All Listed Costs	\$ 94.54	\$ 94.96	\$118.22	\$126.65	\$ 58.13	\$ 81.31	\$108.27
45 Cost of Production Per Bushel	\$ 2.15	\$ 2.17	\$ 2.07	\$ 2.06	\$ 2.32	\$ 2.23	\$ 2.02
46 Soybean Yield Per Acre (bu.)	37.4	38.0	40.1	42.2	34.7	35.5	34.9
47 Total Crop Return Per Acre	\$303.34	\$306.29	\$321.96	\$350.88	\$278.92	\$286.03	\$281.82
48 Fertilizer (Costs Per Acre)	\$ 1.19	\$ .59	\$ .80	\$ 3.06	\$ 1.24	\$ .61	\$ .90
49 Chemicals	\$ 13.91	\$ 14.64	\$ 14.21	\$ 14.84	\$ 15.65	\$ 11.30	\$ 13.00
50 Seed and Other	\$ 15.15	\$ 14.76	\$ 13.89	\$ 20.44	\$ 15.19	\$ 13.74	\$ 12.87
51 Special Hired Labor	\$ 1.08	\$ 1.44	\$ 2.17	\$ .91	\$ .48	\$ .47	\$ 1.32
52 Custom Work Hired	\$ 3.70	\$ 2.75	\$ 9.10	\$ 3.33	\$ 3.79	\$ 2.85	\$ .76
53 Machinery - Ownership	\$ 22.55	\$ 22.49	\$ 21.11	\$ 22.55	\$ 23.40	\$ 21.92	\$ 23.85
54 Machinery - Operation	\$ 21.76	\$ 23.65	\$ 23.03	\$ 21.09	\$ 19.66	\$ 20.82	\$ 22.87
55 Interest on Machinery	\$ 6.27	\$ 6.49	\$ 5.39	\$ 6.74	\$ 6.58	\$ 6.17	\$ 6.16
56 Land Cost	\$ 91.96	\$ 94.28	\$104.65	\$105.21	\$ 66.56	\$101.13	\$ 83.46
57 Return Over All Listed Costs	\$125.77	\$125.20	\$127.61	\$152.71	\$126.37	\$107.02	\$116.63
58 Cost of Production Per Bushel	\$ 4.74	\$ 4.77	\$ 4.85	\$ 4.69	\$ 4.40	\$ 5.04	\$ 4.73
<u>RETURN OVER ALL LISTED COSTS <sup>e/</sup></u>							
59 Hogs, Farrow-to-Finish, per cwt.	\$ 4.05 (53)	\$ 5.04 (7)	\$ 1.18 (8)	\$ 2.67 (8)	\$ 7.05 (13)	\$ 2.44 (10)	\$ 6.07 (7)
60 Dairy Cows, per head	\$465.86 (23)	\$667.44 (4)	\$615.25 (4)	\$389.13 (6)	\$384.57 (8)	\$524.19 (3)	--
61 Beef Cows, per head	\$ 49.12 (22)	\$-20.27 (4)	--	--	\$ 52.09 (7)	--	\$ 74.28 (8)
62 Beef Feeders, per cwt.	\$ -3.11 (73)	\$ 3.35 (10)	\$-11.04 (5)	\$ -2.23 (10)	\$ -3.83 (20)	\$ -8.78 (10)	\$ -4.31 (18)
<u>TOTAL LISTED COSTS PER UNIT PRODUCED</u>							
63 Hogs, Farrow-to-Finish, per cwt.	\$ 37.44	\$ 37.80	\$ 39.71	\$ 37.48	\$ 34.62	\$ 39.51	\$ 34.78
64 Dairy Cows, per cwt. milk	\$ 8.72	\$ 7.16	\$ 7.49	\$ 9.27	\$ 9.24	\$ 8.81	--
65 Beef Cows, per head	\$257.02	\$272.78	--	--	\$269.25	--	\$235.29
66 Beef Feeders, per cwt.	\$ 48.35	\$ 44.08	\$ 49.72	\$ 52.15	\$ 48.78	\$ 49.92	\$ 48.43

<sup>e/</sup> Numbers in parentheses are numbers of farms with that livestock enterprise.

TABLE C. SUMMARY BY YEARS - WHOLE FARM ANALYSIS - S.W.

ITEMS	Average 1940-49	Average 1950-59	Average 1960-69	Average 1970-79	Average 1975-79	1977	1978	1979	1980
1 Receipts									
2 Cash Flow									
3 From Livestock	12,209	22,062	37,392	92,963	111,973	95,360	124,367	141,237	161,018
4 From Crops	2,935	4,959	11,218	42,851	53,303	46,225	61,288	65,895	84,815
5 Other	897	956	1,605	4,777	6,127	5,308	6,473	7,058	11,567
6 Subtotal Cash	16,041	27,977	50,215	140,591	171,403	146,893	192,128	214,190	157,400
7 Non-Cash									
8 Increase in Farm Capital	1,683	1,416	3,834	23,505	30,748	30,014	65,821	33,803	43,382
9 Family Living	605	406	290	462	506	454	500	567	574
10 Subtotal Non-Cash	2,288	1,822	4,124	23,967	31,254	30,468	66,321	34,370	43,956
11 Total Farm Receipts	18,329	29,799	54,339	164,558	202,657	177,361	258,449	248,560	301,356
12 Expenses									
13 Cash Flow									
14 Livestock Purch & Misc. Exp.	3,038	7,612	14,261	36,575	43,781	33,496	53,260	65,213	75,916
15 Feed Bought	2,559	4,889	7,959	19,006	24,544	24,390	25,709	27,095	31,054
16 Crops	613	1,532	3,824	14,680	17,936	16,067	19,583	20,914	25,515
17 Custom Work Hired	267	565	1,051	2,430	2,892	2,687	3,065	3,648	4,234
18 Hired Labor	683	937	1,265	3,290	3,933	3,176	4,128	4,720	5,129
19 Real Estate Repair & Upkeep	226	315	388	1,136	1,448	1,139	1,676	1,738	1,830
20 Mach. & Equip: Rpr, Opn, Fuel	1,067	2,000	3,083	8,284	10,396	9,295	11,636	12,851	14,759
21 Taxes	362	766	1,687	3,242	3,807	3,582	4,074	4,738	5,193
22 Gen Farm Exp. + Util.	132	440	825	1,655	2,254	1,793	1,996	3,645	4,292
23 Subtotal Cash Op. Expense	8,947	19,056	34,343	90,298	110,991	95,625	125,127	144,562	167,992
24 Crop & Lvstk. Mach. & Equip. Purch.	1,210	2,114	3,791	14,491	18,980	14,897	22,654	25,094	16,734
25 R.E., Bldgs, Fence, Tile, Purch.	490	848	1,344	9,270	14,524	14,257	16,844	25,459	20,522
26 Subtotal Asset Purchases	1,700	2,962	5,135	23,761	33,504	29,154	39,498	50,553	37,256
27 Subtotal Cash Purchases	10,647	22,018	39,478	114,059	144,495	124,779	164,625	195,115	205,248
28 Non-Cash									
29 Decrease in Farm Capital	--	--	--	--	--	--	--	--	--
30 Board Furnished Hired Labor	126	92	83	178	203	217	175	264	243
31 Interest on Farm Capital	1,905	3,321	6,205	26,392	37,631	210,029	29,923	83,409 <sup>a/</sup>	88,742 <sup>a/</sup>
32 Unpaid Family Labor	340	369	581	3,163	3,035	2,232	2,379	3,961	3,593
33 Subtotal Non-Cash Expense	2,371	3,782	6,869	29,733	40,869	23,478	32,477	87,634	92,578
34 Total Farm Expense	13,018	25,800	46,347	143,792	185,364	148,257	197,102	282,749	297,826
35 Return to Oper. Labor & Mgmt.	5,311	3,999	7,992	20,766	17,293	29,104	61,327	(-34,189) <sup>a/</sup>	(-4,372) <sup>a/</sup>
36 Return to Oper. Labor & Mgmt. plus Family Labor plus Farm Capital	7,556	7,689	14,778	50,321	57,959	52,365	93,629	53,181	87,963

-50-

<sup>a/</sup>Land valued at market price in '79 and '80. All other years, land valued at cost.

TABLE C. SUMMARY BY YEARS - WHOLE FARM ANALYSIS - S.W. (continued)

ITEMS	Average 1940-49	Average 1950-59	Average 1960-69	Average 1970-79	Average 1975-79	1977	1978	1979	1980
37 Number of Farms	152	135	140	153	159	169	183	179	170
38 Size: Total Acres	278.2	279.4	370.0	492.2	510.9	501.2	516.3	526.7	522.7
39 Tillable Acres	227.2	237.7	313.0	436.7	455.6	447.2	459.9	472.8	469.5
40 Work Units	563.3	465.8	515.0	504.24	524.32	515.17	511.92	548.32	553.47
41 No. of Workers	2.01	1.67	1.66	1.79	1.83	1.77	1.9	1.94	1.87
42 Farm Capital: Total on 12/31	38,934	67,363 <sup>d/</sup>	121,551	406,489	563,277	365,498	459,313	1,208,458 <sup>c/</sup>	1,285,452 <sup>c/</sup>
43 Change 1/1-12/31	1,683	1,942 <sup>d/</sup>	3,834	23,154	30,083	30,014	63,673	33,802	35,411
44 Measures of Farm Org. & Mgmt. Efficiency									
45 Percent Land in High Return Crops	48.1	61.5	67.8	75.8	80.5	83.5	87.1	90.4	88.8
46 Livestock Units per 100 Acres	22.2	34.8	39.6	37.51	36.43	34.94	36.24	35.29	37.79
47 Work Units per Worker	282.4	279.0	310.0	282.61	286.56	291.06	296.43	282.64	295.98
48 Expenses per Work Unit	4.43	11.22	16.99	48.10	59.15	52.17	63.65	70.93	76.22
49 Monthly Charge For:									
50 Unpaid Family Labor	117	132	154	435	550	500	600	700	700
51 Second Operator	a/	132	233	b/	b/	833	1,000	1,250	1,250
52 Board for Hired Labor	35	37	43	108	146	120	120	240	180
KEY MEASURES IN CONSTANT DOLLARS									
53 Cash Receipts (#6) e/	29,897	34,658	52,520	92,157	92,420	80,933	98,325	98,523	104,719
54 Non-Cash Receipts (#10)	4,264	2,257	4,313	15,710	16,852	16,787	33,941	15,810	17,883
55 Total Farm Receipts (#11)	34,161	36,915	56,833	107,867	109,272	97,720	132,266	114,333	122,602
56 Cash Operating Expense (#23)	16,675	23,607	35,919	59,190	59,846	52,686	64,036	66,496	68,345
57 Asset Purchases (#26)	3,168	3,669	5,371	15,575	18,065	16,063	20,214	23,253	15,157
58 Cash Purchases (#27)	19,843	27,276	41,290	74,765	77,911	68,749	84,250	89,749	83,502
59 Non-Cash Expense (#33)	4,432	4,685	7,184	19,490	22,037	12,936	16,621	40,310	37,664
60 Total Farm Expense (#34)	24,275	31,961	48,474	94,255	99,948	81,685	100,871	130,059	121,166
61 Return to Oper. Labor & Mgmt. + Family Labor + Farm Capital (#36)	14,088	9,525	15,456	32,985	31,251	28,851	47,917	24,462	35,786
62 Farm Capital: Total on 12/31 (#42)	72,565	83,342 <sup>d/</sup>	127,130	266,453	303,719	201,376	235,063	555,868 <sup>c/</sup>	522,967 <sup>c/</sup>
63 Change 1/1-12/31 (#43)	3,137	2,403 <sup>d/</sup>	4,010	15,177	16,221	16,537	32,586	15,548	14,406

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 '79 and '80. All other years, land valued at cost.

d/ Data for 1954-55 not available; eight-year average is used.

e/ Numbers in ( ) refer to line number on previous page.

TABLE D. SUMMARY BY YEARS - S.W.  
OPERATOR'S SHARE ANALYSIS  
CURRENT DOLLAR VALUE

	Average 1940-49 <sup>a/</sup>	Average 1950-59 <sup>b/</sup>	Average 1960-69	Average 1970-79	Average 1975-79	1977	1978	1979	1980
1 Farmer's Net Worth: Total on 12/31	30,416	42,494	63,591	203,940	277,194	176,835	222,314	556,268 <sup>c/</sup>	543,968 <sup>c/</sup>
2 Change 1/1-12/31	3,357	1,815	4,687	20,295	22,282	21,884	46,956	12,946	25,116
3 Ratio of Assets to Liabilities 12/31	5.38	4.098	2.583	2.851	3.052	2.417	2.447	4.036 <sup>c/</sup>	3.573 <sup>c/</sup>
4 Total Cash Living Expense	1,799	3,201	4,518	10,035	12,192	11,249	13,055	13,882	16,032
5 Total Farm Receipts: OP Share-T6A L40	18,654	25,963	52,752	158,979	195,473	171,436	243,158	242,327	284,123
6 Total Farm Expenses: OP Share-T6B L46	12,951	23,397	45,364	138,843	176,317	146,239	192,101	249,034	267,913
7 Return to Oper. Labor & Mgmt.-T6B L47	5,703	2,566	7,388	20,136	19,156	25,197	51,056	(-6,707) <sup>c/</sup>	16,210 <sup>c/</sup>
8 Return to Oper. Labor & Mgmt. plus Equity and Family Labor-T6B L48	6,610	5,610	9,822	31,022	34,612	33,063	62,473	28,746	46,713

OPERATOR'S SHARE ANALYSIS  
CONSTANT DOLLAR VALUE<sup>d/</sup>

	Average 1940-49 <sup>a/</sup>	Average 1950-59 <sup>b/</sup>	Average 1960-69	Average 1970-79	Average 1975-79	1977	1978	1979	1980
9 Farmer's Net Worth: Total on 12/31	52,188	52,408	66,357	132,765	148,132	97,430	113,774	255,873	221,305 <sup>c/</sup>
10 Change 1/1-12/31	5,760	2,238	4,891	13,212	11,908	12,057	24,031	5,955	10,218
11 Total Cash Living Expense	3,481	3,970	4,708	6,553	6,567	6,198	6,681	6,385	6,522
12 Total Farm Receipts: OP Share	32,007	32,020	54,292	94,259	102,193	94,455	124,441	111,466	115,591
13 Total Farm Expenses: OP Share	22,221	28,856	46,689	82,320	92,179	80,572	98,312	114,551	108,996
14 Return to Oper. Labor & Mgmt.	9,786	3,164	7,604	11,939	10,015	13,883	26,129	(-3,085)	6,595 <sup>c/</sup>
15 Return to Oper. Labor & Mgmt. plus Equity and Family Labor	11,341	6,919	10,109	18,393	18,095	18,217	31,972	13,223	11,695
16 Consumer Price Index, all items <sup>e/</sup>	5.83	81.1	97.2	168.7	191.3	181.5	195.4	217.4	245.8

<sup>a/</sup>Data not available for 1940-42; seven year average is used.

<sup>b/</sup>Data not available for 1954-55; eight year average is used.

<sup>c/</sup>Land valued at market price in 1979 and 1980. All other years, land valued at cost.

<sup>d/</sup>Used Consumer Price Index for "all items" (1967=100). Ten-year averages were obtained by dividing the number of farms each year by the index for that year, then adding the results and dividing the sum by the total number of farms reporting in those ten years.

<sup>e/</sup>Calculated as described in footnote <sup>d/</sup> above.

TABLE E. MISCELLANEOUS ITEMS - S.W. - SUMMARY BY YEARS

ITEMS	Average 1940-49	Average <sup>b/</sup> 1950-59	Average 1960-69	Average 1970-79	Average 1975-79	1976	1977	1978	1979	1980
RETURN ABOVE FEED COST PER										
Dairy Cow	81.92	125.36	183.64	443.34	594.8	523.31	583.30	744.78	879.53	915.70
100 lbs. feeder cattle produced	5.35	5.55	3.62	8.39	13.43	-7.43	8.99	29.88	17.49	3.72
Ewe	5.71	6.50	7.53	16.97	24.68	12.99	34.58	23.83	34.41	20.51
100 lbs. hogs produced	5.07	5.98	6.66	13.77	18.80	11.95	17.72	27.75	11.38	13.12
Hen	1.92	1.23	.86	.86*	--	2.98	--	--	--	--
Beef Cow	31.26	37.22	32.59	60.03	80.89	-46.45	18.78	224.42	148.20	128.31
FEED COST PER										
Dairy Cow	87.68	146.65	207.11	440.36	569.68	634.35	525.36	536.78	571.78	666.19
100 lbs. feeder cattle produced	16.01	19.58	19.37	32.98	38.31	44.94	34.34	33.29	36.92	41.52
Ewe	3.86	8.44	12.57	36.66	47.75	46.76	54.11	51.99	52.53	59.30
100 lbs. hogs produced	9.82	11.68	11.51	20.21	24.68	23.96	23.14	23.92	25.90	28.37
Hen	3.18	4.31	3.48	3.75*	--	5.37	--	--	--	--
Beef Cow	51.43	92.50	76.90	140.53	168.66	198.62	152.82	151.87	171.56	177.83
MISCELLANEOUS LIVESTOCK INFORMATION										
Number of dairy cows <sup>a/</sup>	4.45	4.37	6.10	7.77	6.81	8.14	7.63	4.92	5.87	6.38
Head in beef breeding herd <sup>a/</sup>	4.19	9.55	6.29	12.3	12.7	5.8	13.4	16.0	11.9	11.7
Pounds of feeder cattle produced <sup>a/</sup>	7,846	19,228	44,152	56,211	55,460	58,323	51,479	58,689	60,916	60,708
Litters of pigs <sup>a/</sup>	19.03	23.08	28.27	34.58	35.77	38.79	40.67	34.42	32.27	34.29
Pounds of hogs produced <sup>a/</sup>	32,158	39,860	53,001	63,523	63,923	75,048	68,003	58,731	54,302	56,210
Number of hens <sup>a/</sup>	198	192	193	180*	--	170	--	--	--	--
Pounds of butterfat per dairy cow	251	296	368	426	450	448	453	462	463	458
Pigs weaned per litter	6.2	6.9	7.2	7.4	7.6	7.7	7.9	7.5	7.5	7.7
Percent lamb crop	107	109	105	114	125	124	119	151	126	193
Eggs per hen	150	189	209	215*	--	244	--	--	--	--

\* Seven-year average.

<sup>a/</sup>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.

<sup>b/</sup>Data was not available for 1954-55. Figures are based on an eight-year average.

TABLE E. MISCELLANEOUS ITEMS - S.W. - SUMMARY BY YEARS (continued)

ITEMS	Average 1940-49	Average 1950-59	Average 1960-69	Average 1970-79	Average 1975-79	1976	1977	1978	1979	1980
PRICE RECEIVED PER										
Pound of butterfat in milk	.76	.94 <sup>a/</sup>	1.06	2.03	2.56	2.49	2.46	2.70	3.11	3.42
100 lbs. of fat cattle	15.51	24.40 <sup>a/</sup>	24.01	41.42	47.73	37.07	38.85	50.59	64.76	65.06
Pound of wool	.39	.57 <sup>a/</sup>	.57	.84	.96	.63	1.36	1.03	1.09	--
Dozen eggs	.31	.33 <sup>a/</sup>	.27	--	--	.47	--	--	--	--
100 lbs. of hogs sold	14.72	17.72 <sup>a/</sup>	18.19	34.36	44.03	42.21	40.16	48.03	41.97	40.25
PRICE OF FEED										
Corn, bu.	.97	1.21	1.05	1.92	2.27	2.45	2.00	2.00	2.25	2.50
Oats, bu.	.60	.67	.62	1.07	1.30	1.45	1.20	1.10	1.30	1.50
Barley, bu.	.95	1.04	1.02	--	--	--	--	1.80	2.00	--
Alfalfa hay, ton	14.30	18.25	20.10	39.60	53.00	70.00	55.00	40.00	40.00	50.00
Timothy hay, ton	8.55	10.58	11.61	--	--	--	--	--	35.00	40.00
Corn silage, ton	4.64	6.05	6.98	13.38	17.60	22.00	16.00	15.00	15.00	18.00
ACRES PER FARM										
Small grains	91.13	59.55	32.85	28.02	31.67	55.5	45.3	22.7	13.4	24.2
Cultivated crops	85.99	130.39	220.38	361.15	388.80	350.5	376.0	390.3	423.6	420.0
Tillable land in hay	23.65	31.63	29.16	22.46	22.07	26.5	22.0	18.8	19.9	17.3
Tillable land in pasture	20.27	14.03	5.62	3.53	3.47	4.9	4.4	1.4	3.6	2.5
Tillable land not cropped	3.85	1.77	35.51 <sup>c/</sup>	21.13 <sup>c/</sup>	8.95	1.0	-0.8 <sup>d/</sup>	25.9	12.3	5.4
Total tillable land	224.89	237.37	323.52	436.38	455.14	438.4	446.9	459.9	472.8	469.4
Non-tillable land	44.92	41.99	46.68	55.82	55.69	53.4	54.3	56.4	53.8	53.3
Total acres per farm	269.71	279.36	370.20	492.20	510.83	491.8	501.2	516.3	526.6	522.7
YIELD PER ACRE										
Flax, bu.	b/	11.86	14.40	--	--	9.5	--	--	--	--
Oats, bu.	b/	46.03	57.74	69.97	68.61	57.8	82.6	61.2	60.0	69.8
Corn for grain, bu.	b/	55.63	77.84	89.40	87.10	57.6	105.5	114.7	107.5	109.8
Corn silage, ton	b/	9.47	12.36	14.38	13.60	9.6	14.4	15.7	15.2	14.5
Soybeans, bu.	b/	21.55	25.42	33.44	34.76	24.4	39.1	41.1	31.2	37.4
Alfalfa hay, ton	b/	2.50	3.03	3.78	3.82	2.1	3.4	4.6	4.9	4.1

<sup>a/</sup> Records not available for 1954-55; eight year average is used.

<sup>b/</sup> Data not available in this form.

<sup>c/</sup> Including feed grain program.

<sup>d/</sup> Negative sign means that area double cropped exceeded area not cropped by amount shown.