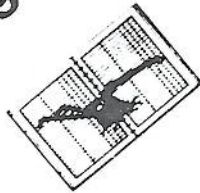


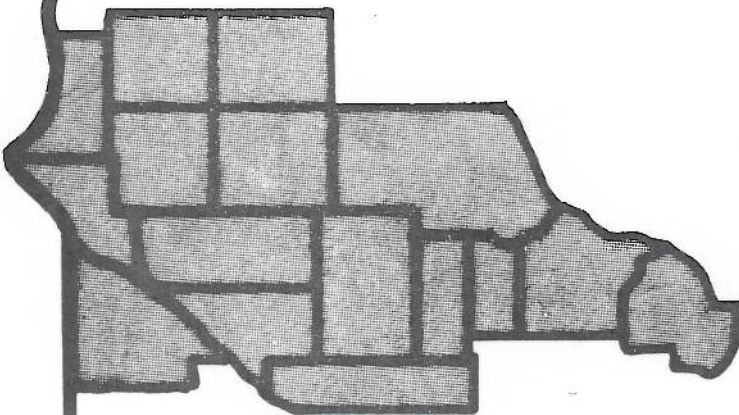
1980 ANNUAL REPORT

Central Minnesota
Farm Management Report



COOPERATING AGENCIES

Minnesota Department of Education, Vocational Division
Willmar Area Vocational Technical Institute



An Adult Education Program

APRIL, 1981

YOUR AREA VO—AG COORDINATORS ARE...

JACKSON	JOHN MURRAY
MANKATO	DEL HODGKINS
STAPLES	WILLIAM GUELKER
THIEF RIVER FALLS	ED SISLER
WILLMAR	JOHN THELL
AUSTIN.	DONALD WALKER

Contact any of the area vo-ag coordinators or your local agriculture instructor for information on the adult farm management program offered in Minnesota.

1980 Report of the Central Minnesota Farm Management
Analysis Program for Cooperating Farms

John L. Thell

INDEX

Introduction	1
Schools Participating.	2
Whole Farm Inventories	3-4
Whole Farm Cash Receipts	5
Whole Farm Cash Expenses	6
Farm Enterprise Statement.	7
Household Expense.	8
Operators Net Worth Statement.	9-10
Operators Cash Receipts.	11
Operators Cash Expenses.	12
Work Unit Explanation.	13
Prices Farm Growth Feeds-Labor Earnings Correlated	14
Explanation of Farm Organization Measures.	15
Measures of Farm Organization.	16
Thermometer Chart.	17
Crop Production-Acres and Yield.	18
Table 10 - Individual Crop Analysis.	19
Barley, Spring.	20
Flax.	21
Oats, Feed.	22
Rye	23
Wheat, Spring	24
Beans, Navy	25
Beans, Pinto.	26
Corn, Canning	27
Corn, Grain	28
Soybeans.	29
Sugarbeets.	30
Sunflowers.	31
Canning Peas.	32
Alfalfa Hay	33
Legume-Grass Silage	34
Corn-Sorghum Silage	35
Corn, Grain-Irrigated	36
Alfalfa Hay-Irrigated	37
Corn Silage-Irrigated	38
Costs & Returns-Hogs, Farrow, Finish	39
Costs & Returns-Hogs, Finishing enterprise	40
Cost & Returns-Weaning Pig Production.	41
Cost & Returns - Dairy Cows.	42
Cost & Returns - Other Dairy	43
Cost & Returns - All Dairy	44
Cost & Returns - Beef Breeding	45
Cost & Returns - Beef Feeders.	46
Cost & Returns - Sheep, Farm, Commercial	47
Cost & Returns - Chickens, Laying Flock Commercial	48
Summary of Miscellaneous Items by Years.	49
What Does Your Family Want? - Goals.	50-51

INTRODUCTION

The Willmar Area Vocational-Technical Institute in cooperation with the Minnesota Department of Education, Vocational Division, operate and maintain the Vocational Agricultural Farm Management Program in Central Minnesota. The program was initiated in 1952 and is available to farmers enrolled in Adult or Young Farmer classes in public schools. The area served by the Willmar analysis center is indicated on the front cover.

The purpose of the Vo-Ag. Farm Management Program is to provide farmers, teachers of agriculture, and others with farm record analysis information which will be helpful to them in studying farming operations and factors of management involved in successful farm operators. Each participating farmer is provided a copy of this report which lists his individual farm record analysis figures along with the averages of all farms, the high and low earnings farms. Each farmer pays an annual fee which covers clerical costs, data processing fees, and the cost of publishing the report.

The analysis of the records and the preparation of the reports for the West Central Area are done under the direction of John Thell, Area Vo-Ag Coordinator for Central Minnesota. The program is supervised locally by Mr. Lowell Melbye, Superintendent of Schools, and Mr. Mike Cullen, Director of the Willmar Area Vocational-Technical Institute. Cooperating agencies are represented by Mr. Odel Barduson and Dr. Mary Phillips of the State Department of Education. Clerical assistants for this project were Mrs. Joyce Jacobson and Mrs. Celeste Thell.

In keeping with the times and to speed the analysis procedure, automatic data processing methods were used again this year. Data is extracted from the individual farm record books at the Willmar analysis center and submitted to Specialized Data System, Inc. at Madison, Wisconsin for processing. Results of the individual analysis are returned to the farmer as soon as the analysis is completed. Averages and indexes found in this record are computed after all forms have been processed.

Records kept in the Minnesota Farm Account Book by all participating farmers include farm inventories, cash receipts and expenses, feed consumed by livestock, family living secured from the farm, household and personal expenses and receipts and the operator's liabilities and assets other than farm capital.

A special thank you to all the area coordinators, Mr. Mike Cullen, Mr. Robert Jacobson, Dr. Person, Mr. Odel Barduson, Mr. Roger Iverson, and others who have helped by giving of their time during this past year.

This report deals with Farm Record Analysis from the instructors in the following schools in the Central Minnesota Area.

Regular Farm Management Instructors

<u>Class Location</u>	<u>Instructor</u>
Albany	James Katanek
	Douglas Gunnick *
Alexandria	Bernard Sonstegard
Appleton	Tim Holtquist
Atwater	Darrell Ogilvie *
Benson	Leon Carlson *
Cold Spring ROCORI	Dave Acheson
Danube-Olivia	
Bird Island	Roland Bjorkland
Dawson-Boyd	Al. Schwandt
Granite Falls	Mike Resvick
	Neal Deters
Hennepin Tech.	Ralph Grochen
Litchfield	Winton Nelson
Madison	Ralph Butterfield
Montevideo	Myron Warner
	Norman Brakken
Parkers Prairie	Wayne Odegard
Paynesville	Wallace Payne
St. Cloud	Dennis Lehto
	Ray Anderson
Willmar	Dale Steussy

* Indicates part time farm management instructors

Veterans Farm Training Program

Albany	Paul Tix
Alexandria	Ted Kusmak
Bellingham	Peter Fransky
Litchfield	Frank Rose
Willmar	Floyd Boeder

Others

St. Cloud AVTI Farm Operation Management Class
Willmar AVTI Farm Operation Management Class

Howard Pennertz
Charles Stranberg

Table 1 A - Farm Inventories - 1980

Item	Average 550 Farms
1 Size of Farm-Total Acres	378.3
2 -Tillable Acres	325.9
3 Work Units-Crops	160.54
4 -Livestock	257.86
5 -Other	25.19
6 Total Size of Business in Work Units	443.58
7 Number of Workers	1.53
8 Farms Capital Investment Per Worker	\$289682

Item	Average 550 Farms Jan. 1	Dec. 31
9 PRODUCTIVE LIVESTOCK		
10 Dairy Cows	16423	18221
11 Other Dairy Cattle	10047	12082
12 Beef Breeding Cattle	1526	1835
13 Beef Feeder Cattle	4485	4661
14 Hogs	6822	8370
15 Sheep(Inc. Feeders) & Goats	98	219
16 Poultry-All Types	82	71
17 Other Livestock	65	70
18 Total Productive Livestock	\$39546	\$45529
19 Crop, Seed & Feed	33724	52491
20 Power, Machinery & Equipment		
21 Auto & Truck (Farm Share)	3985	3940
22 Power & Machinery	31804	35641
23 Irrigation Equipment	1708	1616
24 Custom Work Equipment	14	19
25 Livestock Equipment	8993	10424
26 Total Power, Mach. & Equip.	\$46504	\$51640
27 Land	247173	248886
28 Buildings, Fences, Etc.	40299	44666
29 Total Farm Capital	\$412246	443213
30 Increase or Decrease in Total Farm Capital		\$30967

Tables 1A and 1B show the beginning of the year and end of the year inventory value for each part of the farm business. These tables represent whole-farm-capital investment. For only the operators share of capital invested in the farm business, see Table 5, Page 9, Net Worth Statement, item 1-6.

Livestock crops, Seed and Feed reflect a conservative market price at the time the inventory is taken. Machinery, equipment and Building values reflect cost less depreciation.

(Continued page 4)

Table 1 B-Farm Inventories - 1980

Item	110 Most Profitable	110 Least Profitable
1 Size of Farm-Total Acres	563.3	335.7
2 -Tillable Acres	504.1	284.6
3 Work Units-Crops	253.10	137.32
4 -Livestock	280.01	160.88
5 -Other	15.27	25.08
6 Total Size of Business Work Units	548.38	323.28
7 Number of Workers	1.85	1.41
8 Farm Capital Investment Per Worker	\$326477	\$309209

Item	Jan. 1	Dec. 31	Jan. 1	Dec. 31
9 PRODUCTIVE LIVESTOCK				
10 Dairy Cows	19875	23547	9696	10024
11 Other Dairy Cattle	15279	17449	4955	5599
12 Beef Breeding Cattle	1614	2234	2248	2785
13 Beef Feeder Cattle	2304	3891	5447	5630
14 Hogs	4878	6054	8925	10125
15 Sheep(Inc. Feeders)& Goats		19	169	671
16 Poultry-All Types	110	50	5	2
17 Other Livestock	73	65	50	68
18 Total Productive Livestock	\$44133	53309	31494	34902
19 Crop, Seed & Feed	64955	100913	28095	30620
20 Power, Machinery & Equip.				
21 Auto & Truck (Farm Share)	5160	5487	3769	3591
22 Power & Machinery	48421	54639	25800	28915
23 Irrigation Equip.	1548	1645	1263	1243
24 Custom Work Equipment			14	7
25 Livestock Equipment	9265	11538	7737	8656
26 Total Power, Equip. & Mach.	\$64394	73310	38584	42413
27 Land	317012	319400	293957	294207
28 Buildings-Fences-Etc.	51243	57052	31865	33842
29 Total Farm Capital	\$ 541737	\$603983	\$423995	\$435985
30 Increase or Decrease in Total F.Cap.		\$62246		\$11990

Other measures of a farm size in Tables 1A and 1B as shown by items 1 through 7 are Acres, Work Units and Number of Workers.

The Number of Workers shown in item 7 includes the operator (s) hired labor, unpaid family labor and the labor portion of custom work hired.

Table 2 A - WHOLE FARM SUMMARY OF CASH RECEIPTS - 1980

Item	Average of 550 Farms	110 Most Profitable Farms	110 Least Profitable Farms
1 Sale of Livestock & Livestock Products			
2 Dairy Cows	\$3132	\$4652	\$1215
3 Dairy Products	36053	48835	16318
4 Other Dairy Cattle	2849	5135	1307
5 Beef Breeding Cattle	378	616	573
6 Beef Feeder Cattle	6303	3163	6542
7 Hogs Complete & Mixed	7617	5128	8395
8 Hog Finishing	6413	5583	8336
9 Hog Producing Weaning Pigs	2295	2383	2695
10 Sheep, Goats, & Wool. Farm Flock	74		175
11 Sheep & Wool, Feeder Lambs	1		3
12 Chickens (Inc. Hens & Broilers)	25	8	26
13 Turkeys			
14 Eggs	496	431	11
15 Other Prod. Livestock & Products	16	6	6
16 Other Mis. Livestock Income	133		
17 Total Sales of Productive Livestock	65784	75940	45614
18 Sale of Crops			
19 Wheat	6629	11403	6835
19A Durum			
20 Other Small Grains	5530	10887	3948
21 Corn	15155	30073	12427
22 Soybeans	16160	27689	14059
22A Sunflowers	346	441	510
23 Other Row Crops	2282	7182	1366
24 Legumes & Other Forage	302	352	206
25 Grass Seed			
26 Fruits & Nuts			
27 Veg., Roadside Market & Spec.	66		332
28 Nursery, Timber & Other	1	6	
29 Set Aside Acres-Gov. Payments			
30 Total Sales From Crops	\$ 46472	\$ 88032	\$ 39684
31 Cap. Assets Sold(A/Trk/Mach.)	613	864	1002
31A Cap. Assets Sold(Bldgs & Impr.)	259	580	35
31B Cap. Assets Sold (Land)	5311	5246	5141
32 Gas Tax Refund	101	112	101
33 Income From Work Off the Farm	1462	1235	1482
34 Custom Work Enterprise Income	120		11
35 Patronage Refunds	563	1491	794
36 Miscellaneous Farm Income	1517	3211	1343
37 Total Farm Sales	\$122603	\$176712	\$ 95207
38 Increase in Farm Capital	30967	62246	11990
39 Family Living From the Farm	751	805	623
40 Total Farm Rec.(37)+(38)+(39)	\$154321	\$ 239763	\$ 107820

Tables 2A and 2B show the cash receipts and expenses on the whole farm including the landlord's share. Table 6A and 6B show the receipts and expenses of the operator of each farm. (Page 11) Operator labor earnings are shown on Table 6B. Table 2A, and 2B, and 6A and 6B show the average of all farms, the high return farms and low return farms with reference to labor earnings.

Table 2B - WHOLE FARM SUMMARY OF CASH EXPENSES - 1980

Item	Average of 550 Farms	110 Most Profitable Farms	110 Least Profitable Farms
1 Purchase of Livestock			
2 Dairy Cows	627	502	679
3 Other Dairy Cattle	831	1232	622
4 Beef Breeding Cattle	304	794	386
5 Beef Feeder Cattle	3361	1819	3131
6 Hogs Complete & Mixed	605	328	806
7 Hogs Finishing	1462	1344	2816
8 Hogs Producing Weaning Pigs	167	74	142
9 Sheep & Goats	92	23	362
10 Sheep, Feeder Lambs			
11 Chickens (Inc. Hens & Bro.)	64	1	4
12 Turkeys			
13 Other Productive Livestock	16		21
14 Miscellaneous Livestock Exp.	2945	3600	1926
15 Feed Bought	14363	14198	12917
16 Fertilizer	7240	11895	6223
17 Chemicals	3133	5237	2853
18 Other Crop Expense	4877	7598	4535
19 Irrigation Oper. Costs	106	145	89
20 Custom Wk. Ent. Op. Cost Inc.L	87		1
21 Custom Work Hired	2826	3407	2251
22 Repair & Up. of Lives. Eq.	951	1128	704
23 Repair & Up. of Farm Real Est.	1162	1409	1037
24 Gas, Oil, & Gr. B. (F.S.)	5119	7023	4633
25 Repair & Op. of Mach.T.T & A	4499	6245	4101
26 Repair & Up. of Irr. Eq.	13	27	12
27 Repair-Custom Work Enterprise	3		
28 Wages of Hired Labor	3009	6060	2506
29 Per. Prop. & R. Est. Taxes	2367	3604	1851
30 General Farm Expense	1802	2520	1740
31 Tele Exp. (Farm Share)	254	307	247
32 Elect. Exp. (Farm Share)	1378	1625	1087
33 Total Cash Oper. Exp. \$	63664	\$82144	\$57681
34 P.Crop & Gen Mach.(F.W.)	12873	20446	10941
35 Irrig. Eq. Bought	147	406	194
36 Custom Work Eq. Bought	2		
37 Livestock Eq. Bought	3140	4173	2382
38 New R. Est. & Improvement	15193	18070	10671
39 Total Farm Pur.(33)Thru (38)	\$ 95018	\$ 125239	\$ 81870
40 Decrease in Farm Capt.			
41 Interest on Farm Capital	29941	40100	30099
42 Unpaid Family Labor	726	653	773
43 Labor Ch.Part. & Other Op.	919	861	2576
44 Board Furn. Hired Labor	132	161	71
45 Total Farm Exp.(39)Thru(44)	126737	167014	115389
46 Ret. Op. Labor & Mgmt. Single Opr. (W.F.) (2A/40)-(45)	27584	72749	-7569
47 Number of Operators	1	1	1
48 Full Time Oper. Equivalents	1.08	1.13	1.10
49 Return to Op. L & Mgmt/Full Time Oper Equivalent	25540	64379	-6880

TABLE 3 - ENTERPRISE STATEMENT - 1980

Item	Average of 550 Farms	110 Most Profitable Farms	110 Least Profitable Farms
<u>1 RETURN AND NET INCREASES</u>			
2 Productive Livestock			
3 Dairy Cows	\$ 35399	\$ 48392	\$ 15506
4 Other Dairy Cattle	10108	15699	3601
5 Beef Breeding Cattle	763	1029	1120
6 Feeder Cattle	2600	2029	3293
7 Hogs, Complete & Mixed	7664	5322	7814
8 Hog Finish. Enterprise	4462	3889	5453
9 Prod. Weaning Pigs	3592	3362	3696
10 Sheep & Goats	105	(-3)	320
11 Sheep, Feeder Lambs			
12 Chickens(Inc. Hens & Br.)	451	380	33
13 Turkeys			
14 Other Prod. Livestock	122	(-2)	3
15 Total All Prod. Lives.	\$65265	\$ 80099	\$ 40840
16 Value of Feed Fed to Livestock			
(Minus)	35487	(Minus) 39368	(Minus) 27245
17 Ret. Over Feed From L.	29778	40731	13595
18 Crop, Seed, & Feed	65732	123991	42673
19 Coop. Patronage Refunds	965	1491	794
20 Mis. Farm Income	1517	3211	1343
21 Custom Work Enterprise	32		3
22 Total Ret. & Net Incr.	98024	169424	58407
<u>23 Expenses & Net Decreases</u>			
24 Truck & Auto (F.S.)	3374	4304	3085
25 Trac. & Crop Mach.	16125	23791	13653
26 Irrigation Equipment	222	336	226
27 Electricity	1378	1625	1087
28 Livestock Equipment	2885	3103	2321
29 Buildings, F. & Tiling	4631	5456	3904
30 Bare Land	75		400
31 Misc. Livestock Exp.	2945	3600	1926
32 Labor	3521	7068	2862
33 Labor Ch. for Other Op.	919	861	2576
34 Property Tax	2367	3604	1851
35 Gen F. Exp. & Tele.	2056	2827	1987
36 Interest on F. Capital	29941	40100	30099
37 Total Exp. Net Dec.	\$70440	96676	65976
38 Ret. Op. L. & Mgmt.	27584	72749	-7569
39 Number of Farm Oper.	1	1	1
40 Full Time Oper. Eq.	1.08	1.13	1.10
41 Rtrn Opr Lbr & Mgt./Full Time Operator	25540	64379	-6880

TABLE 4 - HOUSEHOLD EXPENSE - 1980

Item	Average of 254 Farms	42 Most Profitable Farms	55 Least Profitable Farms
1 Number of Persons-Family	5	5	5
2 Number of Adult Eq.-Family	3.4	3.4	3.4
3 Church & Welfare	642	1054	441
4 Medical Care & Health Ins.	1744	1893	1522
5 Food & Meals Bought	3351	3756	3086
6 Operating Exp. & Supplies	1213	1412	1493
7 Furnishings & Equipment	971	1097	914
8 Clothing Clothing Materials	1058	1321	972
9 Per. Care. Pers. Spending	619	709	732
10 Education	251	412	336
11 Recreation	769	841	707
12 Gifts & Special Events	604	717	677
13 Personal Sh Truck & Auto Exp.	780	913	871
14 Oper. Share Upkeep on Dwelling	462	1390	352
14A Cash Rent (Personal			
15 Personal Share Tele & Elec Exp.	513	627	466
15A Personal Share-Gen. Farm Exp.	53	76	27
16 Total Cash Living Exp.	13031	16216	12597
17 Personal Share New T. & Auto	407	803	280
18 New Dwelling Bought	1273	1216	1694
19 Taxes & Other Deductions	1338	2860	886
20 Life Ins. & O. Savings & Inv.	1398	1904	1232
21 Total H. & P. (16)Thru(20)	17446	22999	16688
22 Total Fam Liv. F. Farm(33)	691	882	502
23 T. Cash & Non-Cash Exp. (21)+(22)	18137	23881	17191
24FAMILY LIVING FROM THE FARM -- AVERAGES			
25 Oper. Share			
26 Milk & Cream	191	273	120
27 Beef & Buffalo	430	582	277
28 Pork	63	28	101
29 Lamb, Mutton, Goat			
30 Poultry, All Fowl	3		3
31 Eggs	3		2
32 Veg. Fruits, Spuds, O. Prod. & F.	1		
33 Total Family Living From Farm	691	882	502

Household and personal accounts are important if the family is to manage its financial affairs wisely. The household and personal expenses and receipts are presented in Table 4. Table 4 represents only those families who kept complete household records. Farms included in other tables may not be included in Table 4 averages.

TABLE 5A - NET WORTH STATEMENT - OPERATOR - 1980

Item	Average of 550 Farms	
	Jan. 1	Dec. 31
1 Total Productive Livestock	\$ 37832	\$ 43454
2 Crop, Seed & Feed	37482	50635
3 Total Power, Machinery & Equipment	45648	50874
4 Land (Acres Owned 203.5) (Tillable 160.4)	107040	114241
5 Buildings, Fences, Etc.	37944	42658
6 Total Farm Capital	\$ 265947	\$ 301861
7 Non-Farm Assets	14022	15003
7A Cash on Hand & In Bank	3573	3547
8 Dwelling	16064	17705
9 Total Assets	\$ 299606	\$ 338116
10 Real Estate Mortgages	77179	87456
11 Chattel Mortgages	36304	40048
12 Notes	17272	18187
13 Accounts Payable	7452	7728
14 Total Liabilities	\$ 138207	\$ 153419
15 Farmers Net Worth	\$ 161399	\$ 184697
16 Gain (or Loss) In Net Worth		23298
17 Supplementary Management Information		
18 Return to Op. Labor & Mgmt (6B/47)	26779	
19 Return to Cap. & Family Labor (6B/48)	35545	
20 Non-Farm Income		
21 Outside Investment Income	932	
22 Other Pers. Income & Income Tax Refund	3128	
22A Sale of(P.S.) Dwelling, Auto & Truck	121	
23 Total Non-Farm Income	4181	
24 Total Fam. Farm & Non-Farm Income	39726	
25 Total Money Borrowed	63587	
26 Total Paid on Debt (Principal)	48267	
27 Total Household & Pers. Cash/Non-Cash Exp.(4/23)	14203	
28 Ratio: Total Farm-Exp. to Receipts (O.S.)	.818	
	Jan. 1	Dec. 31
29 Ratio: Total-Assets to Liabilities	2.168	2.204
30 Ratio: Non-Real Estate-Assets to Liab.	2.270	2.479
31 Ratio: Real Estate Assets to Liab.	2.087	1.996
32 Ratio: Net Worth to Total Liabilities	1.168	1.204
33* Ratio; Cash Oper. Exp. to Adj. Total FarmsSales(O.S.)		.726
34 Ratio; Total Farm Recpts to Ave Farm Capital (W.F.)		.364
35 Ratio: Total Farm Recpts to Ave Farm Capital (O.S.)		.514

*Adjusted Total Farm Sales Does Not Include Sale of Capital Assets

THE NET WORTH STATEMENT shows the operators financial progress during the year and from this statement he can study his progresss from year to year. Items 1 thru 5 show the distribution of capital invested by the operator in the farm business.

ITEM 28 - The Ratio of Total Farm Expense to Total Farm Receipts

Sometimes called the Gross Ratio, expresses the percentage of each dollars worth of income consumed by expense. It answers the question, "How many dollars does it cost me to take in \$100.00"?

ITEM 29 The Ratio of Total Assets to Total Liabilities

Sometimes called the Net Capital Ratio, measures the degree of financial safety in the farm business. It shows the number of dollars in assets available to cover each dollar of debt.

OPERATOR'S NET WORTH STATEMENT

Table 5 - Net Worth Statement of the Most and Least Profitable Farms

Items	110 Most Profitable Farms		110 Least Profitable Farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1 Total Productive Livestock	\$ 43520	52843	\$ 34896	38307
2 Crop Seed & Feed	63180	98138	28008	29924
3 Total Power, Mach. & Eq.	65005	73368	40624	44438
4 Land (Acres 0.291.9)T.226.6) (Acres 0.186.6)T.149.3)	135037	146120		
5 Buildings,Fences Et.	50280	56901	132751	137436
6 Total Farm Capital	357022	427371	35238	38518
7 Non-Farm Assets	18115	19694	271517	288623
7A Cash on Hand & In Bank	2573	4142	10402	11166
8 Dwelling	20695	22152	2714	2546
9 Total Assets	398405	473359	16142	17349
10 Real Estate Mortgages	103828	111825	300774	319684
11 Chattel Mortgages	48048	56475	75940	82909
12 Notes	20933	16937	32649	38500
13 Accounts Payable	9597	9015	19424	23376
14 Total Liabilities	182406	194251	7832	8846
15 Farmers Net Worth	215999	279108	135845	153630
16 Gain (Or Loss) in Net Worth		63109	164929	166054
				1125
17 Supplementary Management Information				
18 Ret. to Oper. Labor & Mgmt (6B/47)	66025		-4053	
19 Ret. to Cap. & F. L.(6B/48)	78547		4253	
20 Non-Farm Income				
21 Outside Inv. Income	1374		1646	
22 Other Per. In. & Inc. T. Ref.	2182		6669	
22A Sale of (P.S.) Dw.A. & T.	18		230	
23 Total Non Farm Income	1574		8545	
24 Total Fam. F. & Non-F. Inc.	82121		12798	
25 Total Money Borrowed	76047		68353	
26 Total Paid on Debt(Prin.)	63574		51232	
27 Total H. & Pers. Cash/Non-4/23	17259		13622	
28 Ratio: T F. Exp to Rec. O.S.	.705		1.038	
	Jan. 1	Dec/ 31	Jan. 1	Dec. 31
29 Ratio:T. Assets to Liab.	2.184	2.411	2.214	2.081
30 Ratio:Non-Real Ex. A. to Liab.	2.448	2.999	1.947	1.787
31 Ratio:Real E. A. to Liab.	1.984	1.978	2.425	2.332
32 Ratio:Net Worth to T. Liab.	1.184	1.411	1.214	1.081
33*Ratio: CashO. Exp. to Adj. T.F.S.		.664		.866
34 Ratio: T.F.R. to Ave F.C. (W.F.)		.405		.292
35 Ratio: T.F.R. to Ave F.C.(O.S.)		.570		.378

*ADJUSTED TOTAL FARM SALES DOES NOT INC. SALE OF CAP. ASSETS

Item 30 - THE RATIO OF NON- REAL ESTATE ASSETS TO NON-REAL ESTATE LIABILITIES
sometimes called the Intermediate Ratio, is calculated by dividing the sum of
items 2, 3, & 7 by the Non-Real Estate Liabilities, items as 12 & 13.

Item 30 - THE RATIO OF REAL ESTATE ASSETS TO REAL ESTATE LIABILITIES IS
CALCULATED by dividing the sum of items 4, 5, & 8 by item 10. Lending agencies
are often interested in the relationship of item 29 to item 30.

Item 33 - THE RATIO OF CASH OPERATING EXPENSE TO ADJUSTED TOTAL FARM SALES is
calculated by dividing item 28 in Table 6B by item 29, Table 6A. It differs
from item 28 (Ratio of Ttl. Exp. to Tt. Farm Receipts) in that it does not
include the sale or purchase of capital assets.

TABLE 6A - OPERATORS SHARE OF CASH RECEIPTS - 1980

Item	Average 550 Farms	110 Most Profitable Farms	110 Least Profitable Farms
1 Sale of Livestock & Livestock Products			
2 Dairy Cows	\$ 3071	\$ 4960	\$ 1448
3 Dairy Products	35426	54110	18629
4 Other Dairy Cattle	2808	5189	1135
5 Beef Breeding Cattle	360	560	586
6 Beef Feeder Cattle	6200	2706	6369
7 Hogs Complete & Mixed	6973	4700	10155
8 Hogs Finishing	5979	5494	6258
9 Hogs, Producing W. Pigs	2164	1713	3551
10 Sheep, G. & W, F. F.	66	2	175
11 Sheep & W. Feeder Lambs	1		3
12 Chickens (Inc. Hens & B.)	25		26
13 Turkeys			
14 Eggs	496	443	10
15 O. Prod Lives & Products	16	6	6
16 O. Mls. Lives. Income	133	261	
17 Total Sale of P. Lives.	63719	80144	48351
18 Sale of Crops			
19 Wheat	5655	8585	5368
19A Durum			
20 Other Small Grain	3785	8142	2409
21 Corn	12690	23338	9645
22 Soybeans	14114	20973	11903
22A Sunflowers	290	141	472
23 Other Row Crops	2222	6769	195
24 Legumes & O. Roughage	165	168	221
25 Grass Seed			
26 Fruits & Nuts			
27 Veg. R. Market, & Spec.	66		61
28 Nursery, Timber & Other	1	6	
29 Set Aside A.-Gov. Pay			
30 Total Sales From Crops	38988	68122	30274
31 Cap. Assets Sold(A./Trk/M.)	607	910	703
31ACap. Assets Sold(Bldg &Im.)	103	601	-222
31BCap. Assets Sold (Land)	24	13	
32 Gas Tax Refund	99	127	104
33 Income F. Work Off Farm	1461	1136	1464
34 Custom Work Enter. Income	120	478	11
35 Patronage Refunds	957	1546	699
36 Mis. Farm Income	1500	3549	1011
37 Total Farm Sales	107579	156628	82395
38 Increase in F. Capital	37447	65567	21761
39 Family Living From Farm	737	835	696
40 T. F. R. (37)+(38)+(39)	145763	223030	104852
41 Adj. T. F.S. (37)-(31)	106845	155103	81914
42 T. Cash F. Oper. Exp.	77300	102312	70947
43 Net Cash Operating Inc.	29545	52792	10967

Table 6A is derived the same way as Table 2A with the exception that the landlord's share of the farm business is not included in Table 6A. For the owner-operator who rents no land, Table 2A and 6A are the same.

Table 6B - OPERATORS SHARE OF CASH EXPENSES - 1980

Item	Average of 550 Farms	110 Most Profitable Farms	110 Least Profitable Farms
1 Purchase of Livestock			
2 Dairy Cows	627	584	762
3 Other Dairy Cattle	701	926	724
4 Beef Breeding Cattle	303	778	225
5 Beef Feeder Cattle	3230	1459	3039
6 Hogs Complete	567	317	927
7 Hogs Finishing	1339	1625	1605
8 Hogs Producing Weaning Pigs	161	53	181
9 Sheep, Farm Flock	92	29	362
10 Sheep, Feeder Lambs			
11 Chickens	64	6	4
12 Turkeys			
13 Other Productive Lives.	16		21
14 Mis. Livestock Expense	2871	3920	2408
15 Feed Bought	13644	14866	13370
16 Fertilizer	6705	10631	5445
17 Chemicals	2910	4840	2508
18 Other Crop Expense	4682	7130	3963
19 Irr. Operation Cost	105	152	100
20 Custom Work Op., Inc. Labor	87	419	1
21 Custom Work Hired	2780	3492	2213
22 Repair & Up. of Lives. Eq.	942	1156	863
23 Repair & Up. of Farm R. E.	1152	1556	848
24 G.O.&G. Bought (F.S.)	5029	7085	4315
25 Repair & Op. Mach., T, T.A.F.S.)	4424	6193	3921
26 Repair & Up. of Irr. Eq.	13	27	12
27 Repairs, Custom Work Enter.	3		
28 Wages of Hired Labor	3008	6048	2589
29 Pers. Prop. & R. E. Taxes	1394	2143	1177
30 Cash Rent	5217	6777	4588
31 General Farm Expenses	1774	2535	1596
32 Tele. Exp. (F.S.)	250	309	243
33 Elec. Exp. (F.S.)	1351	1683	1159
34 Interest Actually Paid	11859	15573	11778
35 Total Cash Oper. Exp.	77300	102312	70947
36 P.Crop, & Gen M. Bo.(F.S.)	12708	19372	10987
37 Irr, Eq. Bought	147	406	194
38 Custom W. Enter. Eq. Bought	2		
39 Lives. Eq. Bought	3111	4456	2494
40 New Real Es. & Improvements	15149	17677	11078
41 Total Farm P. (35) Thru (40)	108416	144222	95701
42 Decrease in Farm Capital	1671	27	4813
43 Interest on F. Cap. (Eq.)	8040	11940	7660
44 Unpaid Family Labor	726	609	646
45 Board Furn. Hired Labor	132	207	85
46 T. Farm Exp.(41) Thru (45)	118984	157005	108905
47 Ret. to Oper. L & Mgmt (O.S.)			
(6A/40)-(46)	26779	66025	-4053
48 Ret. to Cap. & F.L.(47)+(44)+ (43)	35545	78574	4253

Table 6B lists the operators share of exp. items. Cash rent and cash interest paid by the operator are included as part of cash operating exp. The sum of item 27, Interest Expense, and item 34, Interest on Farm Capital equals 6% of the operators average capital. Return to Capital and Family Labor represents the amt. available for debt service, living expense, and savings.

EXPLANATION FOR WORK UNITS

The TOTAL WORK UNITS on any one farm is one measure of the size of that farm business. A Work Unit, as used in this report, is the average accomplishment of a farm worker in a ten hour day. Total number of Work Units is not a measure of how hard a farmer works or how much machinery and equipment is used in getting the work done but it does measure how much is being accomplished on the farm. The Work Unit values in Table 7 below were changed in 1973 to make this a more realistic measure.

Table 7 - WORK UNITS FOR CROP, LIVESTOCK AND WORK OFF THE FARM

Item	No. of Work Units	Item	No. of Work Units/Acre
Dairy Cows	7.0/cow	Bly.,Wheat,Oats	.30/acre
Other Dairy Cattle	1.2/head	Rye	
Beef Breeding Cows	1.5/head	Canning Peas	.40/acre
Beef Feeder	.12/cwt.	Oat Silage	.40/acre
Hogs-Complete	.12/cwt.	Canning Corn	.50/acre
Hogs-Finishing	.06/cwt.	Corn for Grain	.55/acre
Hogs-Weaning Pigs	1.4/litter	Soybeans	.45/acre
Sheep, Farm Flock	.60/head	Corn & Cane Silage	.60/acre
Lambs, Feeder	.30/head	Alfalfa Hay	.60/acre
Chicken, Laying Flock	5.0/100	O.Leg. & Mixed Hay	.40/acre
Broilers	.20/cwt.	Tame Grass Hay	.20/acre
Turkey, Laying Flock	25.0/100	Annual Hay	.30/acre
Turkey Pullets	.12/cwt	Leg. & GrassSilage	.40/acre
Labor Off Farm	1.0/\$20	Summer Fallow Tilled	.20/acre
Diverted Acres-Idle	.05/acre	Wild Hay	.20/acre
Sunflowers	.40/Acre	Sugar Beets	2.00/acre
Potatoes	3.00/Acre	Pinto Beans	.50/acre

ANIMAL UNITS

One animal unit represents; one dairy cow or bull, two other dairy cattle, 1 $\frac{1}{4}$ beef cows or bulls, 1 feeder steer or heifer, 3 $\frac{1}{3}$ other beef cattle, 7 sheep, 14 lambs, 2 $\frac{1}{2}$ hogs, 5 pigs, 50 hens, or 1,100 lbs. of turkeys produced.

AVERAGE PRICES FOR FARM GROWN FEEDS

Grain:

Corn	\$ 2.50 Per Bushel
Oats	1.10 Per Bushel

Hay:

Alfalfa	\$ 60.00 Per Ton
Other Legume Hay	45.00 Per Ton
Wild Hay	30.00 Per Ton

Other Roughages:

Corn Silage	\$ 21.00 Per Ton
Legume Silage	30.00 Per Ton

Pasture:

Cows	\$ 7.00 Per Head Per Month
Young Cattle	3.00 Per Head Per Month
Sheep	1.00 Per Head Per Month
Hogs	.50 Per Head Per Month

MEASURES OF FARM ORGANIZATION AND MANAGEMENT EFFICIENCY

The following explanation and definitions are for use in interpreting Table 8 and the Thermometer Chart on page 17.

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 also in Table 2 and Table 3.
2. Crop Yield Index - A measure of the crop yield level for all crops produced expressed as percentage of the average; the average being 100%.
3. Percent of Tillable Land in High Return Crops - A measure of crop selection based on a rating of individual crops. Crop ratings take into account such things as dollar return, effect on the soil, TDN yield, labor required, etc. Rating can be found on Table 3.
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 - Measure the general level of efficiency for all livestock. It is expressed as a percentage of the average and combines the individual livestock indexes into one figure.
6. 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 total work load. A Work Unit represents the average accomplishment of a worker in a one-hour day. Work units values are assigned to each class of livestock each crop, and to other tasks utilizing farm labor.
8. Work Units per Worker - Measures labor efficiency. It is the total work units divided by the number of workers 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 24 through 28 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 the farm business. Note should be taken that items listed on Table 8 and the Thermometer Charts are to be considered in light of the individual farm and farm operator. Although in general, an above-average level for each factor listed would indicate above-average earnings, this may not be true when individual farms are considered. The inter-relationship of factors varies from farm to farm.

Table 8 - MEASURES OF FARM ORGANIZATION - 1980

Item	Average of 550 Farms	110 Most Profitable Farms	110 Least Profitable Farms
1 Return to Oper. Labor & Mgmt	\$26779	\$ 66025	\$ -4053
2 Crop Yield Index	100.0	103.9	89.9
3 Percent Till. Land In High Ret. C.	83.1	84.5	82.1
4 Gross Return Per Till. A.(Ex.Pas.)	232.81	255.29	204.21
5 Ret. Per \$100 Feed Fed Prod. Lives.	100.0	103.7	85.5
6*Livestock Units Per 100 Acres	22.23	14.73	21.56
7 Size of Business-Work Units	443.58	548.38	323.28
8 Work Units Per Worker	289.92	296.42	229.28
9 P.M.Eq. B. Exp. Per Worker Units	\$ 64.61	70.42	75.13
10 Farm Capital Inv. Per Worker	\$ 289682	326477	309209
11 Index of Return Per \$100 Feed Fed			
13 6020A Beef Breeding F/C/G, Cow Herd	100.0	101.5	88.0
16 6140A Beef Feeders, Feedlot	100.0	119.4	105.6
18 6240A Chickens, Laying Flock, Comm.	100.0	98.6	
22 6290A Dairy Cows, Comm. Gen.	100.0	103.0	91.1
23 6300A Dairy Cows, Purebred, Gen.	100.0		29.1
24 6310A Other Dairy, Comm. Replace.	100.0	111.7	71.8
28 6470A Hogs, Farrow, Finish, Gen.	100.0	105.4	88.6
29 6490A Hogs, Finishing	100.0	110.6	93.1
29 6510A Hogs Weaning Pig Production	100.0	98.0	95.6
30 Number of Animal Units	73.56	75.29	62.18
31 Work Units			
32 Crops	160.54	253.10	137.32
33 Productive Livestock	257.86	280.01	160.88
34 Other Productive Work Units	25.19	15.27	25.08
35 Expenses Per Work Units			
36 Tractor & Crop Machinery Exp.	36.91	44.00	42.95
37 F. S. of Auto & Truck Exp.	7.62	7.85	9.55
38 F. S. of Electric Exp.	3.11	2.96	3.36
39 Livestock Equipment Exp.	6.51	5.66	7.18
40 Building, Fence & Tiling Exp.	10.46	9.95	12.00
40A O. Exp. Per Work Units(Inc. Cus. Ent)			
40B Gen. Frm Tele/O. Util Ex. Elec.	4.64	5.16	6.15
40C Hired Labor	6.78	11.05	7.75
41** Trac.& Crop Mach, Exp. Per Crop Acre	49.33	46.94	47.94
42 Farm P. & Mach. Cost All. to Live.	2799.83	2797.27	2149.55
43 B,F.& T. Cost All. to Crops BCAF	1854.72	2124.47	1879.70
44 *Acres include all tillable land, Non-tillable hay & pasture			
45 **Acres include all tillable land, plus acres in non-tillable hay			
46 Marketing Index	100.0	102.75	95.69

THERMOMETER CHART

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 solid line across the center of this page.

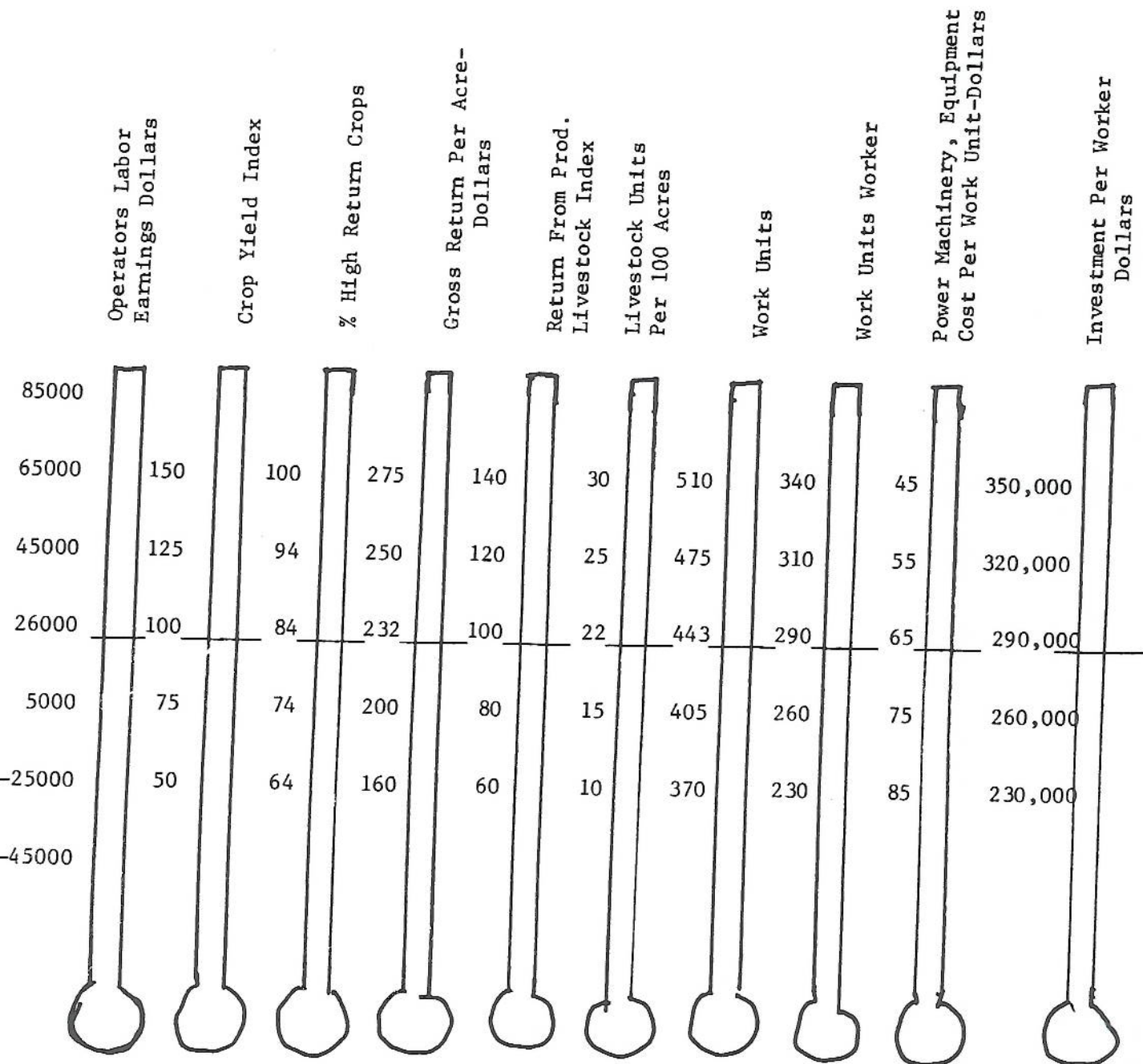


TABLE 9 - CROP PRODUCTION - ACRES & YIELD - 1980

Item	550 Farms Average Acres	110 High Earnings	110 Low Earnings
A. Total Small Grain & Canning Peas	69.3	108.0	65.9
B. Total Row Crop	202.5	331.6	182.5
C. Total Legumes, Inc. Seed	27.6	36.2	19.2
D. Total Other Hay	2.3	2.9	1.2
E. Total Silage & Fodder	23.2	24.8	14.9
F. Total Tillable Pasture	.7	.3	.5
I. Total Commercial Vegetables		.1	.6
J. Total Roadside Market/Spec Crops	.1		
K. Total Fallow & Idle Land	.3	.2	
L. Total Tillable Land	326.0	504.1	284.7
M. Total Non Tillable Hay/Pasture	5.0	7.0	3.8
9985 Wild Hay Not Harvested(Non Till.)	3.1	3.0	3.8
9986 Pasture Not Harvested	16.9	18.0	18.8
9987 Timber Not Harvested	2.9	2.8	2.0
9988 Roads & Waste	15.3	17.8	14.9
9989 Farmstead	9.1	10.6	7.8
O Total Land Not Harvested	47.3	52.2	47.3
P Total Non Tillable Land	52.3	59.2	51.1
Q Total Land in Farm or Ranch	378.3	563.3	335.8
9992 <u>Supplementary Management Information</u>			
9993 Percent Land Tillable	86.1	89.5	84.8
9994 Percent Land in High Return Cr.	83.1	84.5	82.1
9995 *Fertilizer Cost Per Acre	19.31	19.68	18.79
9996 *Crop Chemicals Per Acre	9.52	10.01	10.08
9997 *Seed & Other Costs Per Acre	15.14	18.13	15.42
9998 *Gas, Oil & G. Bought Per Acre	13.00	11.84	13.02
9999 *Tillable Land (-) Tillable Pasture, Fallow & Idle Land			

* Number of Farms Not indicated on crop data form means 10 or less farms were included in this crop data analysis.

Table 10 - CROP ANALYSIS

The Crop Analysis Tables for each individual crop shows the yield, value per unit, and gross return per acre.

Costs such as fertilizers, chemicals, seed and others, hired labor and custom work are costs that are assigned to each individual crop in the account book. These costs are shown in Table 10, under Direct Costs.

Other costs, called allocated costs, are not actual costs incurred but a calculated cost. The power and crop machinery expense is divided into ownership costs and operation costs for each crop. The power and crop machinery expense per crop work unit is calculated from the expense and net decrease on Table 3. Work units for each crop are used as a factor to calculate the per acre cost for power and crop machinery. Line 22 on each crop table shows the calculated interest on investment for equipment or land.

Land cost used is considered the going rental value for land of similar type in the local area. Land rental value reflects a charge for taxes and interest on investment in land. The only cost not included is storage cost and the operators labor.

The following crop ranks are used in this area report for crops raised. This rank is used in measuring the crop selection under percent high return crops on Table 8, Measures of Farm Organization. An A ranked crop is rated 100, B crop at 50, C crop at 25, and a D ranked crop has a rating of 0.

A Ranked Crops

Corn, Grain
Soybeans
Edible Beans
Potatoes
Sunflowers
Sugarbeets
Alfalfa
Other Legumes

B Ranked Crops

Flax
Wheat
Corn Silage
Legume Silage

C Ranked Crops

Barley
Rye
Sorghum
Sudax
Sorghum Silage
Millet
Oat Silage

D Ranked Crops

Oats
Meadow Hay
(Tillable)
Summer Fallow

TABLE 10 - CROP DATA FOR BARLEY - 1980

Item	Average Yield of 9 Farms
1 Acres	44.0
2 Yield	42.6
3 Value Per Production Unit	1.79
4 Crop Product Return	76.24
5 Other Crop Income	
6 Total Crop Return	76.24
7 Direct Costs	
8 Fertilizer	2.73
9 Chemicals	1.01
10 Seed	4.84
10A Crop Drying	
10B Other Expense	.32
11 Special Hired Labor	
12 Custom Work Hired	2.84
13 Irrigation Operation	
14 Total Direct Costs	11.74
15 Return Over Direct Costs	64.50
16 Allocated Costs	
17 Farm Power & Machinery-Ownership	11.36
18 Farm Power & Machinery-operation	13.34
19 Irrig. Equip Ownership	
20 Land Costs	49.38
21 Miscellaneous Costs	
22 *Interest on Mach. & Equip. Investment	3.99
23 Total Allocated Costs	78.07
24 Return over All Listed Costs	-13.57
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.30
27 Power Costs Allocation Factor	1.00
28 Total Listed Cost Per Unit of Production	2.11
29 Return Over Listed Costs Per Unit	-.32
30 Breakeven Yield/Units of Production	50.17
30A Estimated Total Machine Costs/Acre	30.58
31 Total Listed Costs Per Acre	89.81
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	86.39
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----
39 Average Price Received Per Unit Sold	2.38
40 Quantity Sold(Operators Share)	367.1

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0085 CROP DATA FOR FLAX - 1980

Item	Average Yield of 7 Farms
1 Acres	38.6
2 Yield	16.5
3 Value Per Production Unit	6.67
4 Crop Product Return	109.90
5 Other Crop Income	3.78
6 Total Crop Return	113.68
7 Direct Costs	
8 Fertilizer	8.50
9 Chemicals	3.19
10 Seed	9.87
10A Crop Drying	
10B Other Expense	.62
11 Special Hired Labor	
12 Custom Work Hired	
13 Irrigation Operation	
14 Total Direct Costs	22.18
15 Return Over Direct Costs	91.50
16 Allocated Costs	
17 Farm Power & Machinery - Ownership	15.94
18 Farm Power & Machinery - Operation	18.27
19 Irrg. Equip Ownership	
20 Land Costs	46.43
21 Miscellaneous Costs	
22 *Interest on Mach. & Equip. Investment	4.25
23 Total Allocated Costs	84.89
24 Return Over All Listed Costs	6.61
25 Supplementary management information	
26 Work Units Assigned Per Acre	.30
27 Power Costs Allocation Factor	1.01
28 Total Listed Cost Per Unit of Production	6.50
29 Return Over Listed Costs Per Unit	.40
30 Breakeven Yield/Units of Production	16.05
30A Estimated Total Machine Costs/Acre	38.46
31 Total Listed Costs Per Acre	107.07
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	71.76
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----
39 Average Price Received Per Unit Sold	6.92
40 Quantity Sold (Operators Share)	602.6

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0105 CROP DATA FOR OATS - 1980

Item	Average Yield 322 Farms	64 Farms High In Yield	64 Farms Low In Yield
1 Acres	30.7	22.2	36.7
2 Yield	62.2	91.5	39.5
3 Value Per Production Unit	1.53	1.57	1.52
4 Crop Product Return	95.24	143.65	60.00
5 Other Crop Income	25.77	50.72	5.64
6 Total Crop Return	121.01	194.37	65.64
7 Direct Costs			
8 Fertilizer	7.62	8.83	8.01
9 Chemicals	.78	.77	1.20
10 Seed	6.42	7.25	5.31
10A Crop Drying			
10B Other Expense	1.37	1.62	1.14
11 Special Hired Labor	.10	.36	
12 Custom Work Hired	3.52	3.96	3.13
13 Irrigation Operation			
14 Total Direct Costs	19.81	22.79	18.79
15 Return Over Direct Costs	101.20	171.58	46.85
16 Allocated Costs			
17 Farm Power & Mach.-Ownership	13.73	19.68	10.20
18 Farm Power & Mach.-Operation	16.54	18.51	13.77
19 Irrig. Equip Ownrship			
20 Land Costs	44.64	49.47	40.91
21 Mis. Costs	.13	.18	.19
22 *Interest on Mach. & E. Inv.	4.36	5.70	3.55
23 Total Allocated Costs	79.40	93.54	68.62
24 Return Over All Listed Costs	21.80	78.04	-21.77
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.30	.30	.30
27 Power Costs Allocation Factor	1.00	.99	.99
28 Total Listed Cost Per Unit of Prod.	1.59	1.27	2.21
29 Return Over Listed Costs Per Unit	.35	.85	-.55
30 Breakeven Yield/Units of Prod.	64.84	74.10	57.51
30A Estimated Total Mach Costs/Acre	36.98	46.53	29.61
31 Total Listed Costs Per Acre	99.21	116.33	87.41
32 Other Possible Costs Not Listed			
33 Util. & Other Gen. Farm Exp.	74.71	49.05	99.28
33A Buildings, Fences & Til. Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Average Price Rec. Per Unit Sold	1.41	1.39	1.49
40 Quatity Sold (Operators Share)	446.0	569.4	260.1

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0120 CROP DATA FOR RYE - 1980

Item	Average Yield of 8 Farms
1 Acres	
2 Yield	46.7
3 Value Per Production Unit	31.9
4 Crop Product Return	2.03
5 Other Crop Income	64.73
6 Total Crop Return	17.75
	82.48
7 Direct Costs	
8 Fertilizer	
9 Chemicals	15.76
10 Seed	
10A Crop Drying	1.35
10B Other Expense	.02
11 Special Hired Labor	1.09
12 Custom Work Hired	
13 Irrigation Operation	2.48
14 Total Direct Costs	
	20.70
15 Return Over Direct Costs	
	61.78
16 Allocated Costs	
17 Farm Power & Machinery - Ownership	
18 Farm Power & Machinery - Operation	11.03
19 Irrig. Equip. Ownership	13.91
20 Land Costs	
21 Miscellaneous Costs	32.00
22 *Interest on Mach. & Equip. Investment	.84
23 Total Allocated Costs	2.33
24 Return Over All Listed Costs	60.11
	1.67
25 Supplementary management information	
26 Work Units Assigned per Acre	
27 Power Costs Allocation Factor	.30
28 Total Listed Cost Per Unit of Production	1.03
29 Return Over Listed Costs Per Unit	2.53
30 Breakeven Yield/Units of Production	.05
30A Estimated Total Machine Costs/Acre	39.81
31 Total Listed Costs Per Acre	28.92
	80.81
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	
33A Buildings, Fences & Tiling Costs	130.91
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----
39 Average Price Received per unit sold	2.34
40 Quantity Sold (Operators Share)	1617.7

*Does not include interest on investment in irrigation equip or land.

TABLE 10-0195 CROP DATA FOR WHEAT- SPRING - 1980

Item	Average Yield of 166 Farms	24 Farms High In Yield	24 Farms Low In Yield
1 Acres	96.6	110.8	99.3
2 Yield	45.3	58.3	29.5
3 Value Per Production Unit	3.96	4.02	3.90
4 Crop Product Return	179.27	234.52	115.20
5 Other Crop Income	1.36	2.08	.68
6 Total Crop Return	180.63	236.60	115.88
7 Direct Costs			
8 Fertilizer	17.22	17.56	18.72
9 Chemicals	2.53	1.83	3.46
10 Seed	9.47	9.58	10.03
10A Crop Drying	.09		.42
10B Other Expense	1.40	.60	1.72
11 Special Hired Labor	1.15	.31	.60
12 Custom Work Hired	3.73	3.47	3.54
13 Irrigation Operation			
14 Total Direct Costs	35.59	33.35	38.49
15 Return Over Direct Costs	145.04	203.25	77.39
16 Allocated Costs			
17 Farm Power & Mach.-Own.	12.55	12.45	12.83
18 Farm Power & Mach.-Operation	14.38	13.15	14.74
19 Irrig. Equip Ownership			
20 Land Costs	65.57	72.67	59.64
21 Miscellaneous Costs	.58	.84	.31
22 *Interest On M.&Eq.Invest.	4.26	3.66	4.18
23 Total Allocated Costs	97.34	102.77	91.70
24 Return Over All Listed Costs	47.70	100.48	-14.31
25 Supplementary Management Information			
26 Work Units Assigned P. Ac.	.30	.30	.30
27 Power Costs, Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost P. Un of P.	2.94	2.33	4.41
29 Return Over L. Costs P. Unit	1.05	1.72	-.49
30 Breakeven Y/Units of Prod.	33.57	33.86	33.38
30A Est. Total Mach. Costs/Acre	33.68	31.57	34.11
31 Total Listed Costs Per Acre	132.93	136.12	130.19
32 Other Poss Costs Not Listed			
33 Ut. & O. Gen. Farm Exp.	180.38	151.98	320.51
33A Build., Fen. & Tiling Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Average Pr. Rec. P. Unit Sold	4.04	3.95	3.79
40 Quantity Sold(Oper. Share	2784.5	4203.6	2319.3

* Does not include interest on investment in irrigation equipment or land.

Table 10-0235 - CROP DATA FOR BEANS, NAVY - 1980

Item	Average Yield of 15 Farms
1 Acres	
2 Yield	57.6
3 Value Per Production Unit	14.0
4 Crop Product Return	19.48
5 Other Crop Income	272.24
6 Total Crop Return	272.24
7 Direct Costs	
8 Fertilizer	6.32
9 Chemicals	21.18
10 Seed	20.50
10A Crop Drying	
10B Other Expense	6.25
11 Special Hired Labor	2.85
12 Custome Work Hired	4.27
13 Irrigation Operation	
14 Total Direct Costs	61.37
15 Return Over Direct Costs	210.87
16 Allocated Costs	
17 Farm Power & Machinery - Ownership	19.97
18 Farm Power & Machinery - operation	20.65
19 Irrig. Equip Ownership	
20 Land Costs	71.27
21 Miscellaneous Costs	.63
22 *Interest on Mach. & Equip. Investment	6.10
23 Total Allocated Costs	118.62
24 Return Over All Listed Costs	92.25
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.50
27 Power Costs Allocation Factor	1.00
28 Total Listed Cost Per Unit of Production	12.88
29 Return Over Listed Costs Per Unit	6.60
30 Breakeven Yield/Units of Production	9.24
30A Estimated Total Machine Costs/Acre	49.57
31 Total Listed Costs Per Acre	179.99
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	366.76
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----
39 Average Price Received Per Unit Sold	24.78
40 Quantity Sold (Operators Share)	531.8

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0240 CROP DATA FOR BEANS, PINTO - 1980

Item	Average Yield of 7 Farms
1 Acres	58.0
2 Yield	16.1
3 Value Per Production Unit	24.29
4 Crop Product Return	391.16
5 Other Crop Income	
6 Total Crop Return	391.16
7 Direct Costs	
8 Fertilizer	1.03
9 Chemicals	21.81
10 Seed	20.53
10A Crop Drying	
10B Other Expense	6.90
11 Special Hired Labor	1.47
12 Custom Work Hired	1.69
13 Irrigation Operation	
14 Total Direct Costs	53.43
15 Return Over Direct Costs	337.73
16 Allocated Costs	
17 Farm Power & Machinery - Ownership	23.88
18 Farm Power & Machinery - Operation	23.15
19 Irrig. Equip Ownership	
20 Land Costs	75.71
21 Miscellaneous Costs	1.22
22 *Interest on Mach, & Equip. Investment	7.04
23 Total Allocated Costs	131.00
24 Return Over All Listed Costs	206.73
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.50
27 Power Costs Allocation Factor	1.00
28 Total Listed Cost Per Unit of Production	11.45
29 Return Over Listed Costs Per Unit	12.84
30 Breakeven Yield/Units of Production	7.59
30A Estimated Total Machine Costs/Acre	55.20
31 Total Listed Costs Per Acre	184.43
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	309.08
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----
39 Average Price Received Per Unit Sold	32.65
40 Quantity Sold (Operators Share)	598.8

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0260 CROP DATA FOR CANNING CORN - 1980

Item	Average Yield 7 Farms
1 Acres	
2 Yield	47.3
3 Value Per Production Unit	161.48
4 Crop Product Return	1.00
5 Other Crop Income	161.48
6 Total Crop Return	161.48
7 Direct Costs	
8 Fertilizer	
9 Chemicals	27.08
10 Seed	8.86
10A Crop Drying	3.68
10B Other Expense	
11 Special Hired Labor	1.84
12 Custom Work Hired	
13 Irrigation Operation	6.77
14 Total Direct Costs	48.23
15 Return Over Direct Costs	113.25
16 Allocated Costs	
17 Farm Power & Machinery - Ownership	21.76
18 Farm Power & Machinery - Operation	25.85
19 Irrig. Equip Ownership	
20 Land Costs	79.14
21 Miscellaneous Costs	
22 *Interest on Mach. & Equip. Investment	8.47
23 Total Allocated Costs	135.22
24 Return Over All Listed Costs	-21.97
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.50
27 Power Costs Allocation Factor	.97
28 Total Listed Cost Per Unit of Production	1.14
29 Return Over Listed Costs Per Unit	-.14
30 Breakeven Yield/Units of Production	183.45
30A Estimated Total Machine Costs/Acre	60.60
31 Total Listed Costs Per Acre	183.45
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	294.82
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0275 CROP DATA FOR CORN FOR GRAIN - 1980

Item	Average Yield 660 Farms	132 Farms High In Yield	132 Farms Low In Yield
1 Acres	86.5	91.9	67.0
2 Yield	88.5	111.4	58.1
3 Value Per Production Unit	2.85	2.90	2.78
4 Crop Product Return	252.25	323.13	161.61
5 Other Crop Income	.76	.63	.70
6 Total Crop Return	253.01	323.76	162.31
7 Direct Costs			
8 Fertilizer	34.67	32.09	35.24
9 Chemicals	13.05	12.34	12.49
10 Seed	12.08	12.56	12.43
10A Crop Drying	6.00	6.76	5.69
10B Other Expense	2.23	1.99	3.19
11 Special Hired Labor	.47	.94	.43
12 Custom Work Hired	4.50	2.77	6.61
13 Irrigation Operation			
14 Total Direct Costs	73.00	69.45	76.08
15 Return Over Direct Costs	180.01	254.31	86.23
16 Allocated Costs			
17 Farm Power & Mach.-Ownership	25.60	31.01	23.77
18 Farm Power & Mach.-Operation	27.78	29.02	27.03
19 Irrig. Equip. Ownership	.08		
20 Land Costs	53.77	62.29	48.78
21 Miscellaneous Costs	.83	.84	.87
22 *Interest on Mach. & Equip. Invest.	7.95	8.47	7.53
23 Total Allocated Costs	116.01	131.63	107.98
24 Return Over All Listed Costs	64.00	122.68	-21.75
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.55	.55	.55
27 Power Costs Allocation Factor	.99	1.00	.98
28 Total Listed Cost Per U. of Prod.	2.14	1.80	3.17
29 Return Over Listed Costs Per Unit	.72	1.10	-.37
30 Breakeven Yield/U. of Prod.	66.32	69.34	66.21
30A Est. Total Mach. Costs/Acre	64.33	70.35	62.74
31 Total Listed Costs Per Acre	189.01	201.08	184.06
32 Other Poss. Costs Not Listed			
33 Util. & O. Gen. Farm Exp.	376.71	355.08	362.51
33A Build. Fences & Til. Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Average Price Rec. Per Unit Sold	2.54	2.51	2.53
40 Quantity Sold(Oper. Share)	3950.9	4811.6	2646.1

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0335 CROP DATA FOR SOYBEANS - 1980

Item	Average Yield of 366 Farms	73 Farms High In Yield	73 Farms Low In Yield
1 Acres	121.6	123.2	97.0
2 Yield	31.5	38.8	23.3
3 Value Per Production Unit	7.51	7.67	7.37
4 Crop Product Return	236.29	297.46	171.56
5 Other Crop Income	1.44	1.13	3.51
6 Total Crop Return	237.73	298.59	175.07
7 Direct Costs			
8 Fertilizer	1.64	1.53	2.25
9 Chemicals	12.85	12.01	14.59
10 Seed	8.62	8.13	8.49
10A Crop Drying	.12		.79
10B Other Expense	3.17	3.87	4.30
11 Special Hired Labor	1.23	1.05	.78
12 Custom Work Hired	2.60	1.38	5.34
13 Irrigation Operation			
14 Total Direct Costs	30.23	27.97	36.54
15 Return Over Direct Costs	207.50	270.62	138.53
16 Allocated Costs			
17 Farm Power & Mach.-Owner.	20.30	24.32	16.71
18 Farm Power & Mach.-Operation	21.75	22.54	20.56
19 Irrig. Equip. Ownership			
20 Land Costs	65.40	73.27	56.52
21 Miss. Costs	1.29	.80	.29
22 *Interest Mach. & Eq. Inv.	6.34	7.50	5.64
23 Total Allocated Costs	115.08	128.43	99.72
24 Return Over All Listed Costs	92.42	142.19	38.81
25 Supplementary Management Inf.			
26 Work Units Assigned P. Acre	.45	.45	.45
27 Power Costs All. Factor	1.00	1.00	.99
28 Total List. Cost P. U. of P.	4.62	4.03	5.85
29 Return Over List. C. p. Unit	2.94	3.67	1.67
30 Breakeven Y/U. of Prod.	19.35	20.39	18.49
30A Est. Total Mach. Costs /Acre	50.12	55.28	46.47
31 Total Listed Costs P. Acre	145.31	156.40	136.26
32 Other Possible Costs Not Listed			
33 Util. & O. Gen. Farm Exp.	390.31	367.76	445.74
34 Int. Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Aver. Price Rec. Per U. Sold	6.37	6.41	6.47
40 Quantity Sold(Oper Share)	3241.3	3399.4	2127.1

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0340 CROP DATA FOR SUGARBEETS - 1980

Item	Average Yield 12 Farms
1 Acres	134.6
2 Yield	41.5
3 Value Per Production Unit	14.17
4 Crop Product Return	588.06
5 Other Crop Income	
6 Total Crop Return	588.06
7 Direct Costs	
8 Fertilizer	41.93
9 Chemicals	25.90
10 Seed	15.71
10A Crop Drying	
10B Other Expense	13.16
11 Special Hired Labor	47.91
12 Custom Work Hired	23.37
13 Irrigation Operation	
14 Total Direct Costs	167.98
15 Return Over Direct Costs	420.08
16 Allocated Costs	
17 Farm Power & Machinery -Ownership	68.91
18 Farm Power & Machinery - Operation	58.04
19 Irrig. equipment Ownership	
20 Land Costs	71.42
21 Miscellaneous Costs	
22 *Interest on Mach. & Equip. Investment	18.14
23 Total Allocated Costs	216.51
24 Return Over All Listed Costs	203.57
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	2.00
27 Power Costs Allocation Factor	1.00
28 Total Listed Cost Per Unit of Production	9.26
29 Return Over Listed Costs Per Unit	6.79
30 Breakeven Yield/Units of Production	27.13
30A Estimated Total Machine Costs/Acre	160.68
31 Total Listed Costs Per Acre	384.49
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	1780.72
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0350 CROP DATA FOR SUNFLOWERS - 1980

Item	Average Yield of 26 Farms	13 Farms High In Yield	13 Farms Low In Yield
1 Acres	67.6	76.4	58.7
2 Yield	15.7	17.8	13.0
3 Value Per Production Unit	10.51	10.52	10.50
4 Crop Product Return	165.27	187.26	136.85
5 Other Crop Income	1.36	2.40	
6 Total Crop Return	166.63	189.66	136.85
7 Direct Costs			
8 Fertilizer	12.34	7.64	18.45
9 Chemicals	10.31	6.39	15.42
10 Seed	4.47	5.30	3.37
10A Crop Drying	1.09	1.71	.29
10B Other Expense	1.23	.97	1.58
11 Special Hired Labor	.68	1.22	
12 Custom Work Hired	7.06	2.40	13.15
13 Irrigation Operation			
14 Total Direct Costs	37.18	25.63	52.26
15 Return Over Direct Costs	129.45	164.03	84.59
16 Allocated Costs			
17 Farm Power & Mach. Ownership	13.48	14.04	12.76
18 Farm Power & Mach. Operation	18.55	20.23	16.38
19 Irrig. Equip Ownership			
20 Land Costs	57.38	60.00	54.77
21 Miscellaneous Costs			
22 *Interest on Mach. & E. Inv.	4.47	4.23	4.80
23 Total Allocated Costs	93.88	98.50	88.71
24 Return Over All Listed Costs	35.57	65.53	-4.12
25 Supplementary Man. Information			
26 Work Units Assigned Per Acre	.40	.40	.40
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total L. Cost Per U. of Prod.	8.33	6.97	10.82
29 Ret. Over Listed Costs Per Unit	2.26	3.68	-.32
30 Breakeven Yield/ U. of Prod.	12.47	11.80	13.43
30A Est. Total Mach. Costs/acre	41.21	40.10	42.71
31 Total Listed Costs Per Acre	131.06	124.13	140.97
32 Other Poss. Costs Not Listed			
33 Util. & O. Gen Farm Exp.	198.23	216.81	190.15
33A Buildings, F. & T. Costs			
34 Int. Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Average Price Rec. Per U. Sold	10.66	10.39	11.29
40 Quantity Sold(Oper. Share)	551.2	772.2	330.3

*Does not include interest on investment in irrigation equipment or land.

TABLE 10-0365 CROP DATA FOR CANNING PEAS - 1980

Item	Average Yield of 4 Farms
1 Acres	31.0
2 Yield	112.90
3 Value Per Production Unit	1.00
4 Crop Product Return	112.90
5 Other Crop Income	
6 Total Crop Return	112.90
7 Direct Costs	
8 Fertilizer	16.90
9 Chemicals	2.32
10 Seed	
10A Crop Drying	
10B Other Expense	.94
11 Special Hired Labor	
12 Custom Work Hired	1.32
13 Irrigation Operation	
14 Total Direct Costs	21.48
15 Return Over Direct Costs	91.42
16 Allocated Costs	
17 Farm Power & Machinery- Ownership	19.83
18 Farm Power & Machinery - Operation	18.80
19 Irrig. Equip. Ownership	
20 Land Costs	65.25
21 Miscellaneous Costs	
22 *Interest on Mach. & Equip. Investment	7.22
23 Total Allocated Costs	111.10
24 Return Over All Listed Costs	-19.68
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.40
27 Power Costs Allocation Factor	.95
28 Total Listed Cost Per Unit of Production	1.17
29 Return Over Listed Costs Per Unit	-.17
30 Breakeven Yield/Units of Production	132.58
30A Estimated Total Machine Costs/ Acre	46.73
31 Total Listed Costs Per Acre	132.58
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	158.56
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-0400 CROP DATA FOR ALFALFA HAY - 1980

Item	Average Yield of 339 Farms	82 Farms High In Yield	82 Farms Low In Yield
1 Acres	35.6	38.2	32.7
2 Yield	3.8	4.4	1.8
3 Value Per Production Unit	58.54	58.50	57.99
4 Crop Product Return	220.34	257.92	104.37
5 Other Crop Income	.20		.40
6 Total Crop Return	220.54	257.92	104.77
7 Direct Costs			
8 Fertilizer	14.72	12.07	18.78
9 Chemicals	.22	.18	.58
10 Seed	8.06	6.18	10.00
10A Crop Drying	.03		.21
10B Other Expense	-2.29	3.40	-2.06
11 Special Hired Labor	.93	.65	.86
12 Custom Work Hired	2.53	2.75	2.91
13 Irrigation Operation			
14 Total Direct Costs	28.78	25.23	35.40
15 Return Over Direct Costs	191.76	232.69	69.37
16 Allocated Costs			
17 Farm Power & Mach. - Ownership	29.03	31.40	23.02
18 Farm Power & Mach. -Operation	33.47	34.12	27.54
19 Irrig. Equip Ownership			
20 Land Costs	45.09	47.44	41.28
21 Miscellaneous Costs	.06	.13	.06
22 *Interest on Mach. & E. Investment	9.08	9.03	7.91
23 Total Allocated Costs	116.73	122.12	99.81
24 Return Over All Listed Costs	75.03	110.57	-30.44
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.60	.60	.60
27 Power Costs All. Factor	.98	1.00	.95
28 Total Listed Cost Per U. of Prod.	38.29	33.48	75.11
29 Ret. Over Listed Costs Per Unit	20.25	25.02	-60.10
30 Breakeven Y/Units of Prod.	2.48	2.52	2.33
30A Est. Total Machine Costs/Acre	73.27	76.38	60.41
31 Total Listed Costs Per Acre	145.51	147.35	135.21
32 Other Possible Costs Not Listed			
33 Utilities & O. Gen Farm Exp.	181.49	173.18	201.15
33A Buildings, Fences & Tiling Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Average Price Rec. Per Unit Sold	29.26	36.06	56.52
40 Quantity Sold (Operators Share	4.9	7.1	2.3

*Does not include interest on investment in irrigation equipment or land.

TABLE 10-0535 CROP DATA FOR LEGUME, LEGUME-GRASS SILAGE - 1980

Item	Average Yield of 32 Farms
1 Acres	33.3
2 Yield	6.5
3 Value Per Production Unit	25.47
4 Crop Product Return	165.98
5 Other Crop INcome	.72
6 Total Crop Return	166.70
7 Direct Costs	
8 Fertilizer	10.15
9 Chemicals	.33
10 Seed	7.18
10A Crop Drying	.15
10B Other Expense	.84
11 Special Hired Labor	
12 Custom Work Hired	.81
13 Irrigation Operation	
14 Total Direct Costs	19.46
15 Return Over Direct Costs	147.24
16 Allocated Costs	
17 Farm Power & Machinery - Ownership	19.68
18 Farm Power & Machinery- Operation	23.77
19 Irrig. Equip Ownrship	
20 Land Costs	40.13
21 Miscellaneous Costs	
22 *Interest on Mach. & Equip. Investment	8.62
23 Total Allocated Costs	92.20
24 Return Over All Listed Costs	55.04
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.40
27 Power Costs Allocation Factor	1.00
28 Total Listed Cost Per Unit of Production	17.13
29 Return Over Listed Costs Per Unit	8.45
30 Breakeven Yield/Units of Production	4.38
30A Estimated Total Machine Costs/Acre	52.61
31 Total Listed Costs Per Acre	111.66
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Expenses	139.95
33A Buildings, Fences & Tiling Costs	
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----
39 Average Price Received Per Unit Sold	26.11
40 Quantity Sold (operators Share)	3.6

*Does not include interest on investment in irrigation equipment or land.

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

Item	Average Yield of 331 Farms	66 Farms High In Yield	66 Farms Low In Yield
1 Acres	31.2	27.6	33.5
2 Yield	13.2	19.3	8.2
3 Value Per Production Unit	20.81	21.31	19.69
4 Crop Product Return	275.48	410.76	162.21
5 Other Crop Income	.16	.11	.63
6 Total Crop Return	275.64	410.87	162.84
7 Direct Costs			
8 Fertilizer	27.88	29.38	25.97
9 Chemicals	11.92	13.91	11.43
10 Seed	10.13	11.74	10.84
10A Crop Drying	.16		
10B Other Expense	1.47	2.25	1.16
11 Special Hired Labor	.64	.69	.15
12 Custom Work Hired	4.52	5.51	3.61
13 Irrigation Operation			
14 Total Direct Costs	56.75	63.48	53.16
15 Return Over Direct Costs	218.89	347.39	109.68
16 Allocated Costs			
17 Farm Power & Machinery- Ownership	28.02	35.00	26.22
18 Farm Power & Machinery-Operation	33.75	37.83	30.18
19 Irrig. Equip Ownership	.42		
20 Land Costs	45.14	51.15	43.08
21 Miscellaneous Costs	.26	.07	.06
22 *Interest on Mach. & Eq. Invest.	9.24	11.68	8.17
23 Total Allocated Costs	116.83	135.73	107.71
24 Return Over All Listed Costs	102.06	211.66	1.97
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.60	.60	.60
27 Power Costs Allocation Factor	.99	.99	.97
28 Total Listed Cost Per Unit of Prod.	13.15	10.33	19.61
29 Return Over Listed Costs Per Unit	7.66	10.98	.08
30 Breakeven Yield/Units of Prod.	8.34	9.35	8.20
30A Estimated Total Mach. Costs/Acre	74.02	88.19	66.98
31 Total Listed Costs Per Acre	173.58	199.21	160.87
32 Other Poss. Costs Not Listed			
33 Util. & O. Gen Farm Exp.	169.45	132.16	254.91
33A Buildings, F. & T. Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
39 Average Price Received Per Unit Sold	2.93	2.90	6.67
40 Quantity Sold (Operators Share)	18.4	91.8	.6

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-3275 CROP DATA FOR CORN FOR GRAIN (IRRIGATED) - 1980

Item	Average Yield 29 Farms	14 Farms High In Yield	14 Farms Low In Yield
1 Acres	71.6	68.4	76.4
2 Yield	117.2	138.0	98.7
3 Value Per Production Unit	2.79	2.83	2.76
4 Crop Product Return	326.97	390.50	272.28
5 Other crop Income	6.28	5.28	7.46
6 Total Crop Return	333.25	395.78	279.74
7 Direct Costs			
8 Fertilizer	55.47	57.79	54.61
9 Chemicals	14.19	15.85	11.74
10 Seed	14.64	15.00	14.29
10A Crop Drying	12.29	15.53	9.14
10B Other Expense	2.89	3.57	2.42
11 Special Hired Labor			
12 Custom Work Hired	6.48	5.42	7.59
13 Irrig. Operation (Cost Acre In. 3.72)	18.62 (3.13)	18.76	(3.87) 19.35
14 Total Direct Costs	124.58	131.92	119.14
15 Return Over Direct Costs	208.67	263.86	160.60
16 Allocated Costs			
17 Farm Power & Mach.-Ownership	26.45	29.43	24.20
18 Farm Power & Mach.-Operation	30.79	30.04	31.21
19 Irr. Eq. Own. (Cost /Acre In. 9.34)	46.70 (9.29)	55.72	(8.16) 40.79
20 Land Costs	40.10	40.29	33.79
21 Miscellaneous Costs	.17	.35	
22 *Interest on Mach. & Eq. Investment	8.75	10.27	7.60
23 Total Allocated Costs	152.96	166.10	137.59
24 Return Over All Listed Costs	55.71	97.76	23.01
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.65	.65	.65
27 Power Costs Allocation Factor	.99	.99	.99
28 Total Listed Cost Per U. of Prod.	2.37	2.16	2.60
29 Return Over Listed Costs Per Unit	.48	.71	.23
30 Breakeven Yield/Units of Prod.	99.48	105.31	93.02
30A Estimated Total Mach. Costs/Acre	70.31	73.36	68.07
31 Total Listed Costs Per Acre	277.54	298.02	256.73
32 Other Possible Costs Not Listed			
33 Util. & O. Gen Farm Exp.	476.75	438.92	600.57
33A Buildings, F. & Tiling Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
37 Total Acre Inches of Water Applied	5	6	5
38 Cost of Irrigation	65.32	74.48	60.14
39 Average Price Rec. Per Unit Sold	2.52	2.47	2.60
40 Quantity Sold(oper. Share)	2558.8	2994.1	2306.3

* Does not include interest on investment in irrigation equipment or land.

TABLE 10-3400 CROP DATA FOR ALFALFA HAY - IRRIGATED - 1980

Item	Average Yield of 20 Farms	10 Farms High In Yield	10 Farms Low In Yield
1 Acres	33.2	40.7	25.7
2 Yield	4.3	4.8	3.5
3 Value Per Production Unit	59.75	60.00	59.50
4 Crop Product Return	255.57	287.47	208.37
5 Other Crop Income			
6 Total Crop Return	255.57	287.47	208.37
7 Direct Costs			
8 Fertilizer	36.23	30.27	45.68
9 Chemicals	.87	.69	1.17
10 Seed	10.33	7.54	14.79
10A Crop Drying			
10B Other Expense	4.70	4.69	4.75
11 Special Hired Labor			
12 Custom Work Hired	.78	.12	1.83
13 Irrig. Operation(Cost/AcreInc.	2.69	(3.08)	19.49
14 Total Direct Costs	71.77	61.76	87.71
15 Return Over Direct Costs	183.80	225.71	120.66
16 Allocated Costs			
17 Farm Power & Mach.-Ownership	33.16	32.64	33.98
18 Farm Power & Mach.-Operation	37.90	38.70	36.63
19 Irr. Eq. Ownrship(Cost/Acre	Inc. 6.35	(7.21)	46.38
20 Land Costs	34.30	36.90	31.70
21 Miscellaneous Costs			
22 *Interest on Mach. & Eq. Inv.	9.65	9.11	10.52
23 Total Allocated Costs	159.47	160.62	159.21
24 Return Over All Listed Costs	24.33	65.09	-38.55
25 Supplementary Management information			
26 Work Units Assigned Per Ac.	.80	.80	.80
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost P. Units of P	54.07	46.42	70.50
29 Return Over Listed C. P. Un.	5.68	13.58	-11.00
30 Breakeve Y/Units of Prod.	3.87	3.71	4.15
30A Est. T. Mach Costs/Acre	81.23	80.53	82.35
31 Total Listed Costs Per Acre	231.24	222.38	246.92
32 Other Possible Costs Not Listed			
33 Util. & O. Gen. Farm Exp.	321.95	340.16	319.59
33A Buildings, F & Tiling Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
37 Total Acre Inches of Water App.	7	6	8
38 Cost of Irrigation	63.32	61.72	65.87
39 Average Price Rec. Per U.Sold	42.50		48.57
40 Quantity Sold (Oper. Share)	.4		.7
Investment in irrigation equipment or land.			

TABLE 10-3550 CROP DATA FOR CORN & SORGHUM SILAGE - 1980

Item	Average Yield of 19 Farms	9 Farms High Yield	9 Farms Low In Yield
1 Acres	26.7	24.2	26.4
2 Yield	17.5	20.5	14.6
3 Value Per Production Unit	20.74	20.78	20.78
4 Crop Product Return	362.77	425.04	303.83
5 Other Crop Income			
6 Total Crop Return	362.77	425.04	303.83
7 Direct Costs			
8 Fertilizer	47.19	52.07	44.36
9 Chemicals	12.17	11.74	11.02
10 Seed	13.90	14.05	13.75
10A Crop Drying			
10B Other Expense	2.51	.79	4.58
11 Special Hired Labor			
12 Custom Work Hired	4.34	.21	7.80
13 Irr. Oper. m(Cost/Acre In. 3.20)	15.99	(3.07) 15.37	(2.87) 14.36
14 Total Direct Costs	96.10	94.23	95.87
15 Return Over Direct Costs	266.67	330.81	207.96
16 Allocated Costs			
17 Farm Power & Mach. Ownership	32.50	36.64	26.56
18 Farm Power & Mach. Operation	42.75	49.87	37.14
19 Irr. Eq O. (Cost/Acre In. 9.06)	45.32	(3.07) 48.22	(8.22) 41.10
20 Land Costs	34.11	32.78	35.33
21 Miscellaneous Costs			
22 *Int. Mach & Eq Inv.	10.19	12.11	8.28
23 Total Allocated Costs	164.87	179.62	148.41
24 Return Over All Listed Costs	101.80	151.19	59.55
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.80	.80	.80
27 Power Costs All. Factor	1.00	1.00	1.00
28 Tot. Listed Cost P.U. of Prod.	14.92	13.39	16.71
29 Ret. Over L. Costs Per Unit	5.82	7.39	4.07
30 Breakeven Y/Un of Prod.	12.58	13.18	11.76
30A Est. Tot. Mach. Costs/Acre	88.33	98.76	77.18
31 Tot. Listed Costs Per Acre	260.97	273.85	244.28
32 Other Possible Costs Not Listed			
33 Util. & O. Gen. Farm Exp.	222.73	170.06	298.86
33A Build. Fen & Tiling Costs			
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----
37 Total Acre In. Water App.	5	5	5
38 Cost Of Irrigation	61.31	63.59	55.46

*Does not include interest on investment in irrigation equipment or land.

TABLE 11A 6470 COSTS AND RETURN FROM HOGS, FARROW FINISH, GENERAL 1980

Item	Average of 111 Farms	22 Farms High In Return Above Feed	22 Farms Low In Return Above Feed
1 Pounds of Hogs Prod.-Total	80364	57017	72466
PER HUNDRED WEIGHT			
2 Net Increase in Value of Hogs	41.20	57.65	33.69
3 Other Miscellaneous Hog Income			
4 Total Value Produced	41.20	57.65	33.69
5 Pounds of Feed Fed			
6 Corn	284.3	263.9	348.6
7 Small Grain	23.0	24.1	24.3
8 Complete Ration	56.1	80.6	33.1
9 Protein, Salt & Min. & Milk	69.0	79.6	80.6
10 Total Concentrates	432.4	448.2	486.6
11 Forages	.6	1.6	.2
12 Feed Costs			
13 Grains	13.95	12.43	17.17
14 Complete Ration	4.37	5.12	2.80
15 Protein, Salt & Min. & Milk	11.10	11.75	14.33
16 Forages	.01	.02	.01
17 Pasture			
18 Total Feed Costs	29.43	29.32	34.31
19 Return Over Feed Costs	11.77	28.33	-.62
20 Other Direct Costs			
21 Mis. Livestock Exp.	1.08	1.63	1.16
22 Veterinary Expense	.70	.79	1.03
23 Custom Work	.52	.61	.36
24 Special Hired Labor	.20	.29	.05
25 Total Other Direct Costs	2.50	3.32	2.60
26 Return Over Feed & O. Dir Costs	9.27	25.01	-3.22
27 Allocated Costs			
28 Power & Mach. Costs(PCAF 1.00)	1.44 (PCAF.95)	1.26(PCAF 1.00)	1.61
29 Lives. Eq. Costs (ECAAF 2)	2.00 (ECAAF 2)	1.87(ECAAF 2)	1.90
30 Building & Fences (BCAF 2)	1.90 (BCAF 2)	1.70(BCAF 2)	1.69
31 Total Allocated Costs	5.34	4.83	5.20
32 Return Over All Listed Costs	3.93	20.18	-8.42
33 Supplementary Management Information			
34 Ret. For \$100 Feed Fed	140.00	196.63	98.20
35 Price Rec. Per CWT.All Animals	41.17	50.47	38.83
36 Price Rec. Per CWT Sold Mkt.O.	39.18	53.08	36.44
37 No of Litters Farrowed	52	61	50
37A Litters/B. Females/Year	1.3	1.4	1.1
38 No of Pigs Born Per Litter	9.9	9.3	9.7
39 No of Pigs Weaned Per Litter	7.5	7.3	6.7
40 Percent Death Loss	16.9	18.4	23.1
41 Ave. Weight of All Hogs Sold	197.8	140.1	226.4
42 Ave. Weight of Mkt. Hogs Sold	212.6	203.3	234.6
43 Pr. Per CWT. Concentrate Fed	6.80	6.54	7.05
44 Pr. Per CWT. Prot.Salt & Min.	16.09	14.76	17.79
45 Pounds of Pork Purchased	4052	2891	2576
46 Tot. Listed Costs P.CWT. P Prod.	37.27	37.47	42.11
47 Util. & O. Gen Farm Exp.	576.36	331.51	646.39
48 Interest Allocation	-----	-----	-----
49 Other Costs Not Listed	-----	-----	-----
50 Total Cost	-----	-----	-----

A COMPLETE HOG ENTERPRISE is one where the pigs are farrowed and fed out on the farm. Feed fed includes the feed for the breeding herd as well as those marketed. Farms producing less than 500 lbs. were not included.

TABLE 11B 6490 COST AND RETURNS FROM HOGS, FINISHING - 1980

Item	Average of 82 Farms	16 Farms High In Return Above Feed	16 Farms Low In Return Above Feed
1 Average No of Pigs On Hand	203.0	133.8	123.1
2 Pounds of Hogs Produced	87962	57022	36886
3 Net Increase in Value of Hogs	31.93	43.11	27.00
4 Other Miscellaneous Hog Income			
5 Total Value Produced	31.93	43.11	27.00
6 Pounds of Feed Fed			
7 Corn	261.4	208.2	332.5
8 Small Grain	4.8	8.8	22.8
9 Complete Ration	118.5	63.5	24.4
10 Protein, Salt & Min. & Milk	66.4	83.3	109.6
11 Total Concentrates	451.1	363.8	489.3
12 Forages	.4	.8	3.4
13 Feed Cost			
14 Grains	11.75	9.05	15.29
15 Complete Rations	4.38	4.17	2.95
16 Protein, Salt & Min. & Milk	9.45	10.36	13.01
17 Forages	.01	.02	.10
18 Pasture			
19 Total Feed Costs	25.59	23.60	31.35
20 Return Over Feed Costs	6.34	19.51	-4.35
21 Other Direct Costs			
22 Mis. Livestock Expense	.39	.08	1.02
23 Veterinary Expense	.27	.36	.24
24 Custom Work	.51	.51	1.43
25 Special Hired Labor	.01		
26 Total Other Direct Costs	1.18	.95	2.69
27 Return Over Feed & O. Direct Costs	5.16	18.56	-7.04
28 Allocated Costs			
29 Power & Mach. Costs (PCAF 1.00)	1.17(1.00)	1.95 (1.00)	1.32
30 Lives. Eq. Costs (ECAAF 3)	1.39(3)	1.65 (3)	1.62
31 Building & Fences (BCAF 3)	1.61(3)	2.65 (3)	1.61
32 Total Allocated Costs	4.17	6.25	4.55
33 Return Over All Listed Costs	.99	12.31	-11.59
34 Supplementary Management Information			
35 Ret. For \$100 Feed Fed	124.79	182.69	86.39
36 Price Rec. Per CWT.	38.94	41.60	35.96
37 Ave Weight of Pigs Sold	222.2	199.0	234.4
38 Ave Price Pd Per Pig Bought	30.62	24.42	33.32
39 Ave. Weight Per Pig Bought	43.2	25.6	42.1
40 No. of Pigs Purchased	293	267	139
41 No. Pigs Transferred In	225	53	84
42 Ave. Weight of Pigs Trans. In	48.0	48.0	46.1
43 Pounds of Pork Purchased	12656	6826	5855
44 Percent Death Loss	3.6	7.9	5.9
45 Price Per Cwt. Conc. Fed	5.67	4.90	5.98
46 Price Per CWT. P. Salt & Min.	14.24	12.43	11.86
47 Eff. Daily G.Pds P. Day P. Pig	1.19	1.17	.82
48 To. Listed Cost P.CWT P. Prod.	30.94	30.80	44.59
49 Util. & O. Gen. Farm Exp.	389.80	207.18	200.92
50 Interest Allocation	-----	-----	-----
51 Other Costs Not Listed	-----	-----	-----
52 Total Costs	-----	-----	-----

A HOG FINISHING ENTERPRISE is one where all hogs were purchased as feeders and fed out. Farms producing less than 5000 lbs were not included in the averages.

TABLE 11C 6510 COSTS AND RETURNS FROM PRODUCING WEANING PIGS - 1980

Item	Average of 70 Farms	14 Farms	
		High In Return Above Feed	Low In Return Above Feed
1 Number of Litters Farrowed	100	108	78
		PER LITTER	
2 Net Increase in Value of Hogs	292.48	355.03	184.53
3 Other Mis. Weaning Pigs Income			
4 Total Value Produced	292.48	355.03	184.53
5 Pounds of Feed Fed			
6 Corn	1152.7	937.6	1289.7
7 Small Grain	182.9	68.6	236.1
8 Complete Ration	577.1	906.6	334.2
9 Protein, Salt & Min. & Milk	456.8	274.1	506.5
10 Total Concentrates	2369.5	2186.9	2366.5
11 Forages	25.1	23.8	30.4
12 Feed Costs			
13 Grains	61.74	53.47	71.96
14 Complete Ration	47.01	72.54	30.56
15 Protein, Salt & Min. & Milk	64.22	40.66	76.86
16 Forages	.48	.71	.86
17 Pasture	.02		.13
18 Total Feed Costs	173.47	167.19	180.37
19 Return Over Feed Costs	119.01	187.85	4.16
20 Other Direct Costs			
21 Miscellaneous Livestock Exp.	12.55	8.01	12.55
22 Veterinary Expense	6.97	6.30	4.46
23 Custom Work	6.39	20.64	1.79
24 Special Hired Labor	3.05	12.65	
25 Total Other Direct Costs	28.96	47.60	18.80
26 Return Over Feed & O. Dir. Costs	90.05	140.24	-14.64
27 Allocated Costs			
28 Power & Mach. Costs(PCAF .99)	17.60 (1.00)	14.65(1.00)	19.76
29 Livestock Eq. Costs(ECAF 3)	19.72 (3)	13.60(3)	19.13
30 Buildings & Fences (BCAF 3)	18.95 (3)	18.68(3)	16.97
31 Total Allocated Cost	56.27	46.93	55.86
32 Return Over All Listed Costs	33.78	93.31	-70.50
33 Supplementary Management Information			
34 Return for \$100 Feed Fed	168.61	212.57	102.30
35 Ave. Price Rec. Per An. Sold	39.31	45.57	34.25
36 Ave. Price Per Pig S. or Trans	34.09	35.14	29.58
37 Ave Weight P. Pig S. or Trans.	51.7	52.5	46.5
38 No of Pigs Produced	755	908	442
39 No. of Pigs Born Per Litter	9.5	10.1	8.2
40 No of Pigs Weaned Per Litter	7.7	8.5	5.8
40A Litters/Bear. Female/Year	1.3	1.1	1.0
41 Percent Death Loss	16.6	13.5	24.1
42 Price Per CWT. Con. Fed	7.30	7.65	7.58
43 Price Per CWT. P.S. & Min. Fed	14.06	17.61	15.17
44 Feed & Supp. Costs Per Pig Prod.	26.81	22.00	35.15
45 Total Listed Costs Per Litter	258.70	261.72	255.03
46 Util. & O. Gen Farm Exp.	1183.57	940.34	1369.93
47 Interest Allocation	-----	-----	-----
48 Other Costs Not Listed	-----	-----	-----
49 Total Costs	-----	-----	-----

TABLE 12-6290 DAIRY COWS, COMMERCIAL, GENERAL - 1980

Item	Average of 237 Farms	47 Farms High In Return Above Feed	47 Farms Low In Return Above Feed
1 Average Number of Cows	45.6	50.9	42.6
2 Pounds of Milk	14017	PER COW 16566	11613
3 Pounds of Butterfat	505.8	599.4	429.6
4 Percent of Butterfat in Milk	3.6	3.6	3.7
5 Value of Produce			
6 Dairy Products Sold	1712.50	2040.18	1402.65
7 Dairy Products Used In Home	9.43	11.38	9.69
8 Milk Fed to Livestock	15.96	23.30	15.66
9 Net Increases in Value of Cows	-47.59	-19.88	-78.05
10 Other Mis. Dairy Income			
11 Total Value Produced	1690.30	2054.98	1349.95
12 Pounds of Feed Fed			
13 Corn	4861.7	5232.3	5065.9
14 Small Grain	681.4	638.1	658.0
15 Complete Ration	157.9	160.5	
16 Protein, Salt & Mineral	1193.4	1266.1	1232.9
17 Total Concentrates	6894.4	7297.0	6956.8
18 Legume Hay	6088.4	5976.4	5958.9
19 Other Hay & Dry Roughage	381.6	350.8	878.9
20 Silage	12759.2	11005.3	13599.6
21 Feed Costs			
22 Grains	251.21	254.11	266.36
23 Complete Ration	15.22	12.99	
24 Prot./S/M/(Cost/CWT Fed 14.45	172.46	(15.58) 197.25	(15.57) 191.95
25 All Hay & Dry Roughage	166.45	152.06	182.58
26 Silage	120.92	99.98	130.99
27 Pasture	2.11	2.34	1.60
28 Total Feed Costs	728.37	718.73	773.48
29 Return Over Feed Cost	961.93	1336.25	576.47
30 Other Direct Costs			
31 Mis. Livestock Exp.	77.83	85.42	64.06
32 Veterinary Expense	29.23	32.65	27.00
33 Custom Work Hired	41.78	46.64	35.70
34 Special Hired Labor	3.18	7.84	4.13
35 Total Other Direct Costs	152.02	172.55	130.89
36 Return Over Feed & Direct Costs	809.91	1163.70	445.58
37 Allocated Costs			
38 Power & Mach. Costs(PCAF 1.00)	70.12	(.98) 81.33	(1.00) 59.17
39 Livestock Eq. Costs(ECAF 4)	59.83	(4) 69.85	(3) 39.14
40 Building & Fences (BCAF 4)	64.20	(4) 73.14	(3) 52.45
41 Total Allocated Costs	194.15	224.32	150.76
42 Return Over All Listed Costs	615.76	939.38	294.82
43 Supplementary Management Information			
44 Return for \$100 Feed Fed	232.06	285.92	174.53
45 Feed Cost Per CWT. Milk	5.19	4.34	6.66
46 Feed Cost Per Po. of Butterfat	1.44	1.20	1.82
47 Po. of Milk P. Po. of Conc.	2.03	2.27	1.67
48 Ave. Pr. Per CWT. Milk Sold	12.39	12.52	12.27
49 Ave. Price Per Po. of Butterfat	3.43	3.46	3.36
50 Total Listed Costs P. CWT. M.P.	7.67	6.73	9.09
51 Dairy Cow Turnover %	30.7	37.3	25.8
52 Total Listed Costs Per Cow	1074.54	1115.60	1055.13
53 Util & O. Gen Farm Exp.	3062.81	3202.56	3477.48
54 Interest Allocation	-----	-----	-----
55 Other Costs Not Listed	-----	-----	-----
56 Total Costs	-----	-----	-----

TABLE 13-6310 OTHER DAIRY, REPLACEMENTS - 1980

Item	Average of 237 Farms	47 Farms High In Return Above Feed	47 Farms Low In Return Above
1 Number of Head	54.8	45.0	56.2
		PER HEAD	
2 Net Increase in Value	378.96	581.9	295.78
3 Other Miscellaneous Income			
4 Total Income	378.96	581.09	295.78
5 Pounds of Feed Fed			
6 Corn	885.7	807.6	890.1
7 Small Grain	223.0	209.1	208.6
8 Complete Ration	49.9	173.0	.2
9 Protein, Salt & Minerals	201.3	187.4	145.1
10 Hay & Dry Roughage	2139.8	1739.8	2256.8
11 Silage	6837.5	6390.1	8418.4
12 Milk	90.4	97.8	93.4
13 Feed Cost			
14 Grains	50.77	45.40	54.04
15 Complete Ration	3.43	5.27	.02
16 Protein, Salt & Minerals	28.21	26.40	24.63
17 Hay & Dry Roughage	53.61	43.16	57.70
18 Silage	66.62	59.49	74.00
19 Milk	11.64	12.73	12.38
20 Pasture	1.39	2.89	1.14
21 Total Feed Costs	215.67	195.34	223.91
22 Return Over Feed Cost	163.29	385.75	71.84
23 Other Direct Costs			
24 Miscellaneous Expense	9.73	13.62	7.76
25 Veterinary Expense	3.72	3.96	3.72
26 Custom Work Hired	2.48	3.31	1.92
27 Special Hired Labor	.22	.20	.46
28 Total Other Direct Costs	16.15	21.09	13.86
29 Return Over Feed & O. Direct Cos.	147.14	364.66	58.01
30 Allocated Costs			
31 Power & Mach C. (PCAF 1.00)	11.85	(.99) 12.15 (1.00)	11.43
32 Lives. Eq. C. (ECAAF 4)	11.39	(4) 12.01 (4)	11.28
33 Building & Fen. (BCAF 4)	11.03	(4) 11.36 (4)	9.93
34 Total Allocated Costs	34.27	35.52	32.64
35 Return Over All Listed Costs	112.87	329.14	25.37
36 Supplementary Management Information			
37 Ret. for \$100 Feed Fed	175.71	297.49	132.28
38 Percent Death Loss-Total	8.8	9.7	10.3
39 Percent Calf Death Loss	17.8	17.8	23.1
40 Total Listed C. Per Head	266.09	251.95	270.41
41 Util. & O. Gen Farm Exp.	594.92	405.24	797.26
42 Interest Allocation	-----	-----	-----
43 Other Costs Not Listed	-----	-----	-----
44 Total Costs	-----	-----	-----

TABLE 14 - ALL DAIRY & DUAL PURPOSE CATTLE - 1980

Item	Average of 237 Farms	47 Farms High In Return Above Feed	47 Farms Low In Return Above Feed
1 Average Number of Cows	45.6	50.9	42.6
2 Value of Dairy Products	1727.52	PER COW 2018.88	1438.74
3 Net Increase In Value	418.01	610.82	223.13
4 Miscellaneous Dairy Income	.74	2.30	.12
5 Total Value Produced	2146.27	2632.00	1661.99
6 Pounds of Feed Fed			
7 Grain	6864.3	7118.3	6929.7
8 Complete Rations	247.4	578.6	68.6
9 Prot.S. & Min, Inc. Milk Eq.	1461.9	1496.8	1274.3
10 Hay & Dry Roughage	8572.0	8703.5	9397.7
11 Silage	22357.6	20037.7	24188.5
12 Feed Cost			
13 Grains	312.43	317.66	317.57
14 Complete Rations	18.39	21.57	6.49
15 P.S. & Min. Inc. Milk	221.45	238.65	210.50
16 Hay & Dry Roughage	214.64	211.76	242.39
17 Silage	218.08	191.24	237.35
18 Pasture Costs	3.62	3.67	3.03
19 Total Feed Costs	988.61	984.55	1017.33
20 Return Over Feed Costs	1157.66	1647.45	644.66
21 Other Direct Costs			
22 Mis. Livestock Exp.	83.95	97.19	66.16
23 Veterinary Expense	33.46	44.51	26.56
24 Custom Work	45.25	52.23	41.17
25 Special Hired Labor	2.39	3.80	3.96
26 Total Other Direct Costs	165.05	197.73	137.85
27 Return Over Feed & O. Dir. Co	992.61	1449.72	506.81
28 Allocated Costs			
29 Power & Mach. Costs	85.12	97.74	72.64
30 Livestock Eq. Costs	82.32	90.34	60.63
31 Building & Fences	79.61	97.40	59.34
32 Total Allocated Costs	247.05	285.48	192.61
33 Return Over All Listed Costs	745.56	1164.24	314.20
34 Supplementary Management Information			
35 Return for \$100 Feed Fed	217.10	267.33	163.37
36 Total Listed Costs Per Cow	1400.71	1467.76	1347.79
37 Util & O. Gen. Farm Exp.	3511.93	3490.82	3679.24
38 Other Costs Not Listed	-----	-----	-----
39 Interest Allocation	-----	-----	-----
40 Total Costs	-----	-----	-----

TABLE 15A BEEF BREEDING 6020A FARM/COMM/GENERAL, COW HERD - 1980

Item	Average of 34 Farms	11 Farms High In Return Above Feed	11 Farms Low In Return Above Feed
1 Average Number of Beef Cows	32.8	33.6	24.4
2 Ave. No. of O. Beef An & Bulls	22.9	25.4	17.7
3 Pounds of Beef Produced	14345	16248	11945
		PER COW	
4 Net Increase In Value	294.39	385.03	279.10
5 Other Mls. Beef Income			
6 Total Value Produced	294.39	385.03	279.10
7 Pounds of Feed Fed			
8 Grain	401.4	548.9	303.3
9 Protein, Salt & Mineral	138.4	160.2	170.0
10 Legume Hay	3620.9	3421.0	5230.2
11 Other Hay & Dry Roughage	1335.5	1217.0	1047.7
12 Silage	3986.4	4671.0	5963.5
13 Feed Cost			
14 Grain	18.60	26.79	15.35
15 Protein, Salt & Mineral	15.67	17.89	16.84
16 Legume Hay	85.91	80.60	124.22
17 Other Hay & Dry Roughage	18.05	12.59	12.66
18 Silage	36.34	45.54	61.89
19 Pasture	30.58	26.79	23.16
20 Total Feed Costs	205.15	210.20	254.12
21 Return Over Feed Cost	89.24	174.83	24.98
22 Other Direct Costs			
23 Mls. Livestock Exp.	7.93	9.55	10.82
24 Veterinary Expense	5.91	5.63	11.07
25 Custom Work	8.32	12.23	4.26
26 Special Hired Labor	.18	.15	
27 Total Other Direct Costs	22.34	27.56	26.15
28 Return Over Feed & O. D. Costs	66.90	147.27	-1.17
29 Allocated Costs			
30 Power & Mach Costs(PCAF 1.00)	15.07	(1.00) 13.60	(1.00) 16.79
31 Livestock Eq Costs(ECAF 2)	25.04	(2) 20.04	(1) 22.37
32 Building & Fences (BCAF 2)	25.11	(2) 30.72	(1) 27.71
33 Total Allocated Costs	65.22	64.36	66.87
34 Return Over All Listed Costs	1.68	82.91	-68.04
35 Supplementary Management Information			
36 Ret. for \$100 Feed Fed	143.50	183.17	109.84
37 Price Per CWT. Sold	57.46	63.26	52.95
38 Price Per CWT. Calves S. or T.	67.90	69.41	60.05
39 Average We. Per Head Sold	788.7	847.7	812.5
40 Ave We. Per Calf S. or T	499.8	530.3	508.3
41 Percent Death Loss	3.8	3.4	3.1
42 Percent Calf Crop	93.5	94.4	109.1
43 Total Listed Costs Per Cow	292.71	302.12	348.31
44 Util & O. Gen Farm Exp.	229.26	208.88	220.98
45 Interest Allocation	-----	-----	-----
46 Other Costs Not Listed	-----	-----	-----
47 Total Costs	-----	-----	-----

TABLE 15B BEEF FEEDERS 6140 FEEDLOT - 1980

Item	Average of 82 Farms	16 Farms High In Return Above Feed	15 Farms Low In Return Above Feed
1 Average Number of Beef Feeders	52.1	25.4	59.7
2 Pounds of Beef Produced	32286	18833	23006
		<u>PER HUNDRED WEIGHT</u>	
3 Net Inc. In Value of An.	47.44	57.66	42.20
4 Other Mis. Beef Income			
5 Total Value Produced	47.44	57.66	42.20
6 Pounds of Feed Fed			
7 Grain	508.1	629.4	491.9
8 Protein, Salt & Mineral	41.2	53.8	47.6
9 Legume Hay	185.1	210.6	235.4
10 Other Hay & Dry Roughage	22.6	3.3	68.5
11 Silage	780.6	636.7	966.2
12 Feed Cost			
13 Grain	23.83	21.53	21.74
14 Protein, Salt & Mineral	4.75	5.21	5.99
15 Legume Hay	4.48	5.03	5.50
16 Other Hay & Dry Roughage	.28	.05	.89
17 Silage	8.89	7.34	11.00
18 Pasture	.04		.12
19 Total Feed Cost	42.27	39.16	45.24
20 Return Over Feed Cost	5.17	18.50	-3.04
21 Other Direct Costs			
22 Mis Livestock Expense	.85	1.44	.83
23 Veterinary Expense	.72	.36	1.47
24 Custom Work Hired	1.57	1.04	2.79
25 Special Hired Labor	.01		
26 Total Other Direct Costs	3.15	2.84	5.09
27 Return Over Feed & O. D. Costs	2.02	15.66	-8.13
28 Allocated Costs			
29 Power & Mach. C. (PCAF .99)	2.19 (1.00)	2.19 (1.00)	2.17
30 Live. Eq Costs (ECAF 2)	2.73 (2)	2.16 (2)	5.02
31 Buildings & F (BCAF 2)	2.51 (2)	2.93	2.57
32 Total Allocated Costs	7.43	7.28	9.76
33 Return Over Listed Costs	-5.41	8.38	-17.89
34 Supplementary Management Information			
35 Ret. for \$100 Feed Fed	112.24	147.72	93.71
36 Price Per CWT. Sold	62.50	62.86	63.36
37 Ave. Weight Per Head Sold	989.5	944.7	681.6
38 Price Per CWT. Bought	73.00	69.15	80.97
39 Ave. Weight Per Head Bought	543.1	360.1	470.6
40 Number of Head Bought	51	18	55
41 Percent Death Loss	2.5	1.6	4.5
42 Eff. Daily Gain/P./H./Day	1.70	2.03	1.06
43 T. Listed Cost Per Cwt Prod.	52.85	49.28	71.09
44 Util & O. Gen Farm Exp.	295.45	132.79	234.61
45 Interest Allocation	-----	-----	-----
46 Other Costs Not Listed	-----	-----	-----
47 Total Costs	-----	-----	-----

TABLE 16A - 6670 SHEEP, FARM, COMMERCIAL - 1980

Item	Average
1 Average Number of Ewes	42.9
2 Pounds of Lamb & Mutton Produced	3495
3 Pounds of Wool Produced	311
	<u>PER EWE</u>
4 Value Of Produce	
5 Wool	5.08
6 Net Increase in Value of Animals	75.31
7 Other Miscellaneous Sheep Income	
8 Total Value Produced	80.39
9 Pounds of Feed Fed	
10 Grain	206.0
11 Protein, Salt & Mineral	296.9
12 Legume Hay	614.2
13 Other Hay & Dry Roughage	81.6
14 Silage	143.8
15 Feed Cost	
16 Grain	10.70
17 Protein, Salt & Mineral	15.55
18 Legume Hay	15.55
19 Other Hay & Dry Roughage	1.10
20 Silage	1.52
21 Pasture	.77
22 Total Feed Costs	45.19
23 Return Over Feed Costs	35.20
24 Other Direct Costs	
25 Miscellaneous Livestock Expense	2.56
26 Veterinary Expense	1.86
27 Custom Work	4.97
28 Special Hired Labor	.05
29 Total Other Direct Costs	9.44
30 Return Over Feed & Other Direct Costs	25.76
31 Allocated Costs	
32 Power & Machinery Costs (PCAF 1.00)	8.50
33 Livestock Equipment Costs (ECAF 1)	9.60
34 Building & Fences (BCAF 1)	9.27
35 Total Allocated Costs	27.37
36 Return Over All Listed Costs	-1.61
37 Supplementary Management Information	
38 Return for \$100 Feed Fed	177.88
39 Price Per CWT. Lamb & Mutton Sold	57.69
40 Price Per CWT. Lamb Sold or Transferred	50.60
41 Average Weight of Lambs Sold or Transferred	106.4
42 Pounds of Wool Per Sheep Sheared	8.0
43 Number of Ewes Kept for Lambing	34
44 Percent Lamb Crop	132.4
45 Percent Death Loss	13.0
46 Total Listed Costs Per EWe	82.00
47 Utilities & Other General Farm Expense	144.96
48 Interest Allocation	-----
49 Other Costs Not Listed	-----
50 Total Costs	-----

TABLE 17A - 6240 CHICKEN, LAYING FLOCK, COMMERCIAL - 1980

Item	Average
1 Average Number of Hens	5417.5
	<u>PER HEN</u>
2 Value of Produce	
3 Eggs Sold & Used	8.84
4 Increase in Value of Flock	-.89
5 Other Miscellaneous Flock Income	
6 Total Value Produced	7.95
7 Pounds of Feed Fed	
8 Grain	35.5
9 Complete Commercial Feed	40.7
10 Protein, Salt & Mineral	15.0
11 Total Pounds of Feed	91.2
12 Total Feed Cost	6.52
13 Return Over Feed Cost	1.43
14 Other Direct Costs	
14A Miscellaneous Livestock Expense	.10
14B Veterinary Expense	
14C Custom Work	
14D Special Hired Labor	.10
14E Total Other Direct Costs	.20
15 Return Over Feed & Other Direct Costs	1.23
16 Allocated Costs	
17 Power & Machinery Costs (PCAF 1.00)	.28
18 Livestock Equipment Costs (ECAAF 3)	.14
19 Building & Fences (BCAF 3)	.44
20 Total Allocated Costs	.86
21 Return Over All Listed Costs	.37
22 Supplementary Management Information	
23 Return for \$100 Feed Fed	121.59
24 Eggs Laid Per Hen	260.6
24A Dozen of Eggs Per Hen	21.7
24B Percent of Lay	71.4
25 Price Per Dozen Eggs Sold	.41
26 Feed Cost Per Dozen Eggs	.30
26A Other Direct Costs Per Dozen Eggs	.01
26B Allocated Costs Per Dozen Eggs	.03
26C Pounds of Feed/Dozen Eggs	4.2
27 Return Over Feed Costs Per Dozen Eggs	.11
28 Percent Death Loss	5.4
29 Total Listed Costs Per Hen	7.58
30 Util. & O. Gen Farm Expense	2964.96
31 Interest Allocation	-----
32 Other Costs Not Listed	-----
33 Total Costs	-----

SUMMARY OF MISCELLANEOUS ITEMS BY YEARS

Item	1976	1977	1978	1979	1980
Number of records	435	440	500	505	550
Avg. Labor Earnings	-273	15,232	21,22	17,942	26,779
Total Farm Sales	67,897	63,095	92,797	110,667	122,603
Total Cash Opr. Expense	36,352	45,959	47,274	58,569	63,664
<u>Return Over \$100 Feed Fed</u>					
Dairy Cows	182	195	250	256	232
Feeder Cattle	96	119	210	164	112
Hogs, Finishing	120	153	176	152	124
Laying Hens	142	145	121	129	121
<u>Miscellaneous Livestock Information</u>					
Number of dairy cows herd	33.	42.3	43.0	44.7	45.6
Pounds of Feeder Cattle Prod	39,640	34,975	37,352	41,546	32,286
Pounds of Pork Prod. Finishing	67,916	62,571	65,827	68,491	87,962
Pounds Butterfat/Cow	435.8	476.8	468.5	493.9	505.8
Eggs Per Hen	228	232	242	260	260
<u>Prices Received Per:</u>					
CWT. Milk Sold	8.70	8.83	9.91	11.34	12.39
CWT. Beef Feeders	37.48	57.83	50.24	64.72	62.50
CWT Hogs Finishing	42.62	41.46	48.97	56.83	38.94
Dozen Eggs Sold	.43	.48	.36	.43	.41
<u>Price of Feed:</u>					
Corn, Bushel	2.45	1.92	1.90	2.00	2.75
Oats, Bushel	1.41	1.00	1.10	1.20	1.45
Alfalfa Hay/Ton	60.00	45.00	40.00	40.00	60.00
Corn Silage/Ton	18.00	16.00	15.00	16.00	21.00
<u>Yields Per Acre:</u>					
Oats Bushels	39.9	74.4	52.5	59.8	62.2
Corn Grain, Bushel	44.4	92.4	94.8	92.0	88.5
Soybeans, Bushels	16.0	33.9	35.0	32.8	31.5
Corn Silage, Tons	7.2	13.8	12.1	13.8	13.2
Alfalfa Hay, Tons	1.9	3.4	3.9	4.2	3.8
Wheat, Bushels	26.0	50.1	29.6	36.6	45.3
Barley, Bushels	29.7	61.5	41.3	48.3	44.4

SETTING GOALS

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

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

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

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

On the next page is a form you may use to write down your family goals for this year and future years. After the family has written down their goals you can rank them in order of importance. A few suggestions are listed under each topic area.

-51-

WHAT DOES YOUR FAMILY WANT?

Name _____ Date _____

Address _____

One of the steps for improving the farm and home business is to clarify what is wanted, You may know of things you have wanted as a family, but it takes considerable thought and discussion among family members to agree upon what is most important and which things come first. As a family, write down your goals for this year and for the future, then number them in order of priority. (Examples are listed under each heading.)

	This Year	Later
<u>FOR A PROFITABLE FARM BUSINESS:</u> Buy a new tractor to replace old John Deere A. Raise the production of the dairy herd by 500 lbs. milk per cow.		
<u>FOR SATISFYING LIVING:</u> Install kitchen cabinets. Paint exterior of home.		
<u>FOR DEVELOPEMENT OF FAMILY MEMBER:</u> Provide opportunity for son, Dave, to attend college in two years.		
<u>FOR LONG-TERM FINANCIAL SECURITY:</u> Improve net worth by 20% year.		