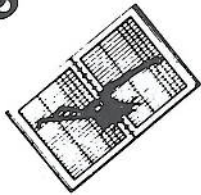


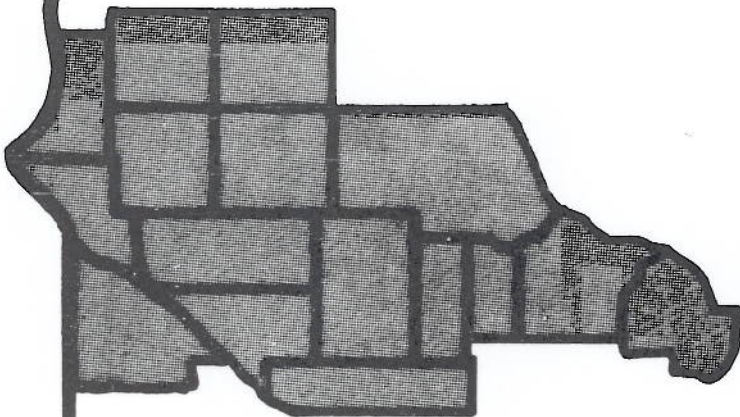
1977 annual report

Central Minnesota Farm Management Report



COOPERATING AGENCIES

University of Minnesota, Dept. of Agriculture Education
Minnesota Department of Education, Vocational Division
Willmar Area Vocational Technical Institute



An Adult Education Program

APRIL, 1978

YOUR AREA VO—AG COORDINATORS ARE...

JACKSON.....	JOHN MURRAY
MANKATO.....	DEL HODGKINS
STAPLES.....	WILLIAM GUELKER
THIEF RIVER FALLS.....	ED SISLER
WILLMAR.....	JOHN THELL
WINONA—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.



1977 Report of the Central Minnesota Farm Management
Analysis Program for Cooperating Farmers

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 Expenses	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, Seed	27
Corn, Canning	28
Corn, Grain	29
Sorghum	30
Soybeans	31
Sugarbeets	32
Sunflowers	33
Canning Peas	34
Alfalfa Hay	35
Other Tillable Grass Hay	36
Annual Hay	37
Legume- Grass Mix Hay	38
Legume- Grass Silage	39
Grain Silage	40
Corn Sorghum Silage	41
Tillable Grass Pasture	42
Corn, Grain- Irrigated	43
Alfalfa Hay - Irrigated	44
Corn, Silage- Irrigated	45
Cost & Returns - Hogs, Farrow, Finish	46
Cost & Returns - Hogs, Finishing Enterprise	47
Cost & Returns - Weaning Pig Production	48
Cost & Returns - Dairy Cows	49
Cost & Returns - Other Dairy	50
Cost & Returns - All Dairy	51
Cost & Returns - Beef Breeding	52
Cost & Returns - Beef Feeders	53
Cost & Returns - Sheep, Farm, Commercial	54
Cost & Returns - Chicken, Laying Flock Commercial	55
Summary of Miscellaneous Items by Years	56
What Does Your Family Want? - Goals	57

INTRODUCTION

The Willmar Area Vocational-Technical Institute in cooperation with the Minnesota Department of Education, Vocational Division, and the University of Minnesota Agricultural Education Department operate and maintain the Vocational Agricultural Farm Management Program in West 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 and teachers of agriculture with farm record analysis information which will be helpful to them in studying farming operations and factors of management involved in successful farm operations. 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 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 West 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 Mr. Robert Van Tries of the State Department of Education and Dr. R. Paul Marvin of the University of Minnesota Agriculture Education Department. Clerical assistants for this project were Mrs. Joyce Jacobson, Mrs. Celeste Thell, and Mrs. Barb Hartman.

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 the 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. Persons, Mr. Odel Barduson and others who helped by giving of their time during this past year.

This report deals with farmers enrolled in the following schools in West Central Minnesota. The following tabulation shows by schools the number of 1977 records submitted at the time of this printing.

CLASS LOCATION	INSTRUCTOR	RECORDS PROCESSED	NO. OF FAMILIES SERVED BY PROC.
Albany	J. Kastanek	60	70
Albany	T. Sedgeman *	6	11
Alexandria	B. Sonstegard	45	60
Alberta	T. Rademacher *	3	3
Benson	L. Carlson *	15	20
Clinton	D. Fredrick *	1	1
Cold Spring	D. Acheson	35	52
Danube-Olivia-B. Island	T. Bauman	37	44
Dassel-Cokato	W. Albrecht *	1	1
Dawson	A. Schwandt	29	36
Granite Falls	M. Resvick	27	47
Hector	D. Hoseck *	1	1
Hoffman	D. Sullivan *	4	4
Litchfield	W. Nelson	45	62
Madison	R. Butterfield	43	45
Melrose	M. Foley	42	52
Montevideo	M. Warner	47	61
Montevideo	R. Hauge	22	39
Parkers Prairie	C. Davis	26	43
Paynesville	L. Hillbrandt	49	58
Renville	M. Stenzel *	20	25
St. Cloud	D. Lehto	35	45
St. Cloud	R. Anderson	22	45
St. Cloud-AVTI	O. Jallo *	6	15
Willmar	D. Steussy	34	55
Willmar-AVTI	C. Stranberg *	19	25
		674	927

* Not A Full Time Adult Instructor

VETERANS FARM TRAINING PROGRAM

Albany	P. Tix	24
Alberta	M. Olson	28
Alexandria	T. Kusmak	18
Bellingham	P. Fransky	11
Benson	M. Fredrickson	17
Belgrade	P. Schwartz	10
Buffalo	N. Busse	10
Buffalo	D. Diers	17
Danube	R. Rebstock	11
Dawson	D. Engstrand	16
Dawson	P. Galuk	19
Evansville	H. Knobloch	15
Granite Falls	N. Peters	20
Hector	E. Koeberel	21
Herman	D. Wastweet	22
Litchfield	F. Rose	22
Marietta	T. Foslein	19
Melrose	M. Rudolph	24
Montevideo	N. Brakken	24
Willmar	F. Boeder	20
Willmar	D. Stangelle	16

GRAND TOTALS

384
1058

1311

Table 1A -Farm Inventories - 1977

Item	Average 679 Farms	
1 Size of farm-Total Acres	363.7	
2 -Tillable Acres	305.6	
3 Work Units-Crops	153.46	
4 -Livestock	215.75	
5 -other	57.19	
6 Total Size of Business in Work Units	426.40	
7 Number of Workers	1.55	
8 Farm Capital Investment Per Worker	\$179786	

Item	Average 679 Farms	
	Jan. 1	Dec. 31
9 PRODUCTIVE LIVESTOCK		
10 Dairy Cows	8294	9064
11 Other Dairy Cattle	4358	5050
12 Beef Breeding Cattle	843	991
13 Beef Feeder Cattle	2220	3064
14 Hogs	3484	4743
15 Sheep (Inc. Feeders) & Goats	37	44
16 Poultry-All Types	38	42
17 Other Livestock	148	159
18 Total Productive Livestock	\$19423	\$23157
19 Crop, Seed & Feed	22047	31793
20 Power, Machinery & Equipment		
21 Auto & Truck (Farm Share)	2679	2906
22 Power & Machinery	19901	23431
23 Irrigation Equipment	1457	2082
24 Custom Work Equipment	90	191
25 Livestock Equipment	5168	5708
26 Total Power, Machinery & Equip.	\$29295	34318
27 Land	153423	155086
28 Buildings-Fences-Etc.	23373	26319
29 Total Farm Capital	\$247561	270672
30 Increase or Decrease in Total Farm Capital		23110

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, items 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 - 1977

Item	136	136
	Most Profitable	Low Profitable
1 Size of Farm-Total Acres	513.9	335.5
2 -Tillable Acres	451.1	281.8
3 Work Units-Crops	245.88	136.04
4 -Livestock	266.79	129.97
5 -Other	46.32	41.07
6 Total Size of Business in Work Units	558.99	307.08
7 Number of Workers	1.70	1.47
8 Farm Capital Investment Per Worker	\$232786	\$196698

Item	Jan. 1	Dec.31	Jan. 1	Dec. 31
9 PRODUCTIVE LIVESTOCK				
10 Dairy Cows	9769	11485	4611	4848
11 Other Dairy Cattle	5402	6215	2754	2893
12 Beef Breeding Cattle	833	1075	1421	1347
13 Beef Feeder Cattle	2452	4274	3385	4903
14 Hogs	5738	8395	3684	4574
15 Sheep (inc. Feeders) & Goats	36	62	14	18
16 Poultry-All Types	10	12	70	86
17 Other Livestock	53	52	39	40
18 Total Productive Liestock	\$24294	31570	15978	18709
19 Crop, Seed & Feed	30731	51140	22362	26930
20 Power, Machinery & Equipment				
21 Auto & Truck (Farm Share)	4115	4403	2590	3063
22 Power & Machinery	28047	32100	20533	24475
23 Irrigation Equipment	1596	1726	1970	2388
24 Custom Work Equipment			438	552
25 Livestock Equipment	7132	7975	3513	4008
26 Total Power, Machinery & Equipment	\$40890	46204	29044	34485
27 Land	217972	220904	185625	184353
28 Buildings-Fences	30620	34281	23776	27239
29 Total Farm Capital	\$344507	384100	276786	291715
30 Increase or Decrease in Total Farm Cap.		39593		14929

Other measures of 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 itme 7 incldes the operator (s) hired labor, unpaid family labor and the labor portion of custom work hired.

Table 2A - WHOLE FARM SUMMARY OF CASH RECEIPTS - 1977

Items	Average of 679 Farms	136 Most Profitable Farms	136 Least Profitable Farms
1 <u>Sale of Livestock & Livestock Products</u>			
2 Dairy Cows	\$ 1827	\$ 2202	\$ 1004
3 Dairy Products	22633	28852	11189
4 Other Dairy Cattle	1479	1720	1308
5 Beef Breeding Cattle	294	250	661
6 Beef Feeder Cattle	4881	7476	7755
7 Hogs Complete & Mixed	4645	8379	5523
8 Hogs Finishing	3628	6422	3169
9 Hogs Producing Weaning Pigs	2010	2057	1357
10 Sheep, Goats & Wool, Farm Flock	36	35	2
11 Sheep & Wool, Feeder Lambs			
12 Chickens (Inc. Hens & Broilers)	33	97	29
13 Turkeys			
14 Eggs	275	56	821
15 Other Productive Livestk. Prod.	30	10	45
16 Other Miscellaneous Livestk. Inc.	130	189	291
17 Total Sales of Prod. Livestock	\$ 41901	\$ 57746	\$ 33155
18 <u>Sale of Crops</u>			
19 Wheat			
20 Other Small Grains	4922	10405	4117
21 Corn	1498	1661	1483
22 Soybeans	6955	11539	6583
23 Other Row Crops	6502	11819	6927
24 Legumes & Other Forage	2555	8557	1406
25 Grass Seed	566	1299	296
26 Fruits & Nuts			
27 Vegetable Roadside Market & Spec.			
28 Nursery, Timber & Other			
29 Set Aside Acres-Govn. Payments			
30 Total Sales From Crops	\$ 23000	\$ 45280	\$ 20812
31 Capital Assets Sold	5003	11174	3777
32 Gas Tax Refund	124	139	104
33 Income From work off the Farm	1736	1752	1221
34 Custom Work Enterprise Income	285	75	1061
35 Patronage Refunds	657	948	626
36 Miscellaneous Farm Income	1005	1229	891
37 Total Farm Sales	\$ 73710	\$118343	\$ 61648
38 Increase in Farm Capital	23110	39593	14929
39 Family Living From the Farm	570	785	380
40 Total Farm Receipts (37)+(38)+(39)	97390	158721	76957

Tables 2A and 2B show the cash receipts and expenses for the whole farm including the landlords 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. Tables 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 - 1977

Item	Average of 679 Farms	136 Most Profitable Farms	136 Least Profitable Farms
1 Purchase of Livestock			
2 Dairy Cows	\$ 515	\$ 521	\$ 344
3 Other Dairy Cows	504	142	501
4 Beef Breeding Cattle	94	105	83
5 Beef Feeder Cattle	2842	4720	4968
6 Hogs Complete & Mixed	347	471	836
7 Hogs Finishing	1183	1710	1374
8 Hogs Producing Weaning Pigs	229	112	134
9 Sheep & Goats	4	10	
10 Sheep, Feeder Lambs			
11 Chickens (Inc. Hens & Broilers)	45	6	179
12 Turkeys			
13 Other Productive Livestock	13	1	31
14 Miscellaneous Livestock Expense	1681	2160	1222
15 Feed Bought	9606	13044	8181
16 Fertilizer	4555	7278	4542
17 Chemicals	1730	2841	1758
18 Other Crop Expense	3077	4391	3290
19 Irrigation Operation Costs	98	129	96
20 Custom Work Ent. Opr. Costs, Including Labor	231	46	1040
21 Custom Work Hired	1842	2200	1800
22 Repairs & Upkeep of Livestk. Equip.	422	518	352
23 Repair & Upkeep of Farm Real Estate	709	703	785
24 Gas, Oil & Grease Bought (F. Share)	2457	3310	2238
25 Repair & Opr. of Mach., Tractor, Truck & Auto	3080	4148	3044
26 Repair & Upkeep of Irrig. Equip.	15	21	34
27 Repairs, Custom Work Enterprise	32		147
28 Wages of Hired Labor	1858	3190	1996
29 Personal Prop. & R. Estate Taxes	1633	2367	1689
30 General Farm Expense	1104	1436	1122
31 Telephone Exp. (Farm Share)	190	226	194
32 Elec. Expense (Farm Share)	746	868	650
33 Total Cash Operatin Expense	\$ 40840	\$ 56671	\$ 42630
34 Power, Crop & Gen. Mach. Bought (Farm Share)	9793	12981	10927
35 Irrig. Equip. Bought	854	347	682
36 Custom Work Equip. Bought	86		
37 Livestock Equip. Bought	1535	2116	1328
38 New Real Estate & Improvement	11447	17702	11420
39 Total Farm Purch. (33) - (38)	\$ 64556	\$ 89817	\$ 66987
40 Decrease in Farm Capital			
41 Interest in Farm Capital	15547	21858	17055
42 Unpaid Family Labor	493	542	393
43 Labor Charge for Part. & Other Opr.	555	972	530
44 Board Furnished Hired Labor	92	140	90
45 Total Farm Exp. (39) - (44)	81242	113329	85055
46 Return to Opr. Labor & Mgmt. -Single Opr. (W.F.) (2A/40) -(45)	16148	45392	(8098)
47 Number of Operators	1	1	1
48 Full Time Opr. Equivalents	1.13	1.21	1.09
49 Return to Opr. Lbr. & Mgmt. /Full Time Operator Equivalent	15072	40307	(-7033)

TABLE 3 - ENTERPRISE STATEMENT - 1977

Item	Average of 679 Farms	136 Most Profitable Farms	136 Least Profitable Farms
<u>1 RETURN AND NET INCREASES</u>			
2 Productive livestock			
3 Dairy Cows	\$22395	29276	10961
4 Other Dairy Cattle	4746	6438	2474
5 Beef Breeding Cattle	445	534	645
6 Feeder Cattle	2731	4336	4216
7 Hogs, Complete & Mixed	4789	9323	4972
8 Hog Finishing Enterprise	2523	4810	2027
9 Producing Weaning Pigs	2537	3202	1648
10 Sheep & Goats	39	51	6
11 Sheep, Feeder Lambs			
12 Chickens (Inc. Hens & Broilers)	274	160	688
13 Turkeys			
14 Other Productive Livestock	155	195	295
15 Total Productive Livestock	40635	58325	27933
16 Value of Feed Fed to Livestock	24101	32134	19248
17 Return Over Feed From Livestock	16534	26191	8685
18 Crop, Seed & Feed	37575	69825	26642
19 Cooperative Patronage Refunds	675	948	626
20 Miscellaneous Farm Income	1005	1229	891
21 Custom Work Enterprise	37	29	-12
22 Total Returns & Net Increases	55807	98221	36832
<u>23 EXPENSES AND NET DECREASES</u>			
24 Truck & Auto (Farm Share)	2351	3114	2942
25 Tractors & Crop Machinery	9564	12905	10850
26 Irrigation Equipment	230	238	284
27 Electricity	746	868	850
28 Livestock Equipment	1538	1948	1459
29 Buildings, Fences & Tiling	2822	3108	4062
30 Bare Land		-1732	
31 Miscellaneous Livestock Expense	1681	2160	1222
32 Labor	1697	3363	2069
33 Labor Charge for Other Operator(s)	555	972	830
34 Property Tax	1633	2367	1689
35 General Farm Expense & Telephone	1295	1661	1618
36 Interest on Farm Capital	15547	21858	17055
37 Total Expenses & Net Decreases	39659	52830	44930
38 Labor Earnings	16148	45392	-80 -8098
39 Number of Farm Operators	1	1	1

Table 4 - HOUSEHOLD EXPENSE - 1977

Item	Average Farms	Most Profitable Farms	Least Profitable Farms
1 Number of Persons - Family	5	5	5
2 Number of Adult Equivalent - Family	3.3	3.9	3.2
3 Church & Welfare	\$ 461	\$ 622	\$ 307
4 Medical Care & Health Insurance	1343	1411	1167
5 Food & Meals Bought	2362	2887	2308
6 Operating Exp. & Supplies	871	1180	743
7 Furnishings & Equipment	863	1096	948
8 Clothing & Clothing Materials	725	1022	577
9 Personal Care, Personal Spending	431	476	491
10 Education	240	158	326
11 Recreation	479	577	482
12 Gifts & Special Events	359	350	280
13 Personal Share Truck & Auto Exp.	484	595	433
14 Opr. Share Upkeep on Dwelling	345	275	252
14A Cash Rent (Personal)	9		
15 Personal Share Phone & Elec. Exp.	331	353	281
15A Personal Share-Gen. Farm Exp.	36	20	40
16 Total Cash Living Expense	\$ 9340	11021	8636
17 Personal Share New Truck & Auto	324	412	359
18 New Dwelling Bought	1001	1433	520
19 Taxes & Other Deductions	964	1603	1151
20 Life Ins. & Other Savings & Invest.	1164	2800	962
21 Total Household & Pers. (16)-(20)	\$ 12793	\$ 17269	\$ 11627
22 Total Family Living from the Farm (33)	\$ 544	\$ 605	417
23 Total Cash & Non-Cash Exp. (21)+(22)	\$ 13337	\$ 17874	\$ 12044
24 FAMILY LIVING FROM THE FARM--AVERAGES			
25	Quantity		Opr. Share
26 Milk & Cream (Quarts)	714		151
27 Beef & Buffalo (Pounds)	659		322
28 Pork (Pounds)	149		58
29 Lamb, Mutton, Goat (Pounds)	1		
30 Poultry, All Fowl (Pounds)	15		9
31 Eggs (Dozen)	8		4
32 Vegetables, Fruits, Spuds, & Fuel- Also Other Produce			
33 Total Family Living From the Farm			\$ 544

Table 5 A-NET WORTH STATEMENT - OPERATOR - 1977

Item	Average of 679 Farms	
	Jan. 1	Dec. 31
1 Total Productive Livestock	\$18462	22114
2 Crop, Seed & Feed	20780	29982
3 Total Power, Machinery & Equipment	28477	33175
4 Land	72064	77973
5 Buildings, Fences, Etc.	21726	24610
6 Total Farm Capital	161508	187854
7 Non-Farm Assets	12943	14411
7A Cash on Hand & In Bank	1334	1533
8 Dwelling	10133	11308
9 Total Assets	185919	215105
10 Real Estate Mortgages	36995	45782
11 Chattel Mortgages	20905	25661
12 Notes	9241	11145
13 Accounts Payable	1716	2138
14 Total Liabilities	68857	84726
15 Farmers Net Worth	117062	130379
16 Gain (or Loss) in Net Worth		13317
17 Supplementary Management Information		
18 Operators Labor Earnings (6B/47)	15232	
19 Return to Capital & Family Labor (6B/48)	21085	
20 Non-Farm Income		
21 Outside Investment Income	376	
22 Other Personal Income & Income Tax Refund	1531	
22A Sale of Personal Share-Dwelling, Auto & Truck	27	
23 Total Non-Farm Income	1935	
24 Total Family Farm & Non-Farm Income	23020	
25 Total Money Borrowed	42379	
26 Total Paid on Debt (Principle)	27039	
27 Total Household & Pers. Cash/Non-Cash Exp. (4/23)	13337	
28 Ratio: Total Farm Exp. to Ttl. Farm Receipts (O.S.)	.832	
29 Ratio: Total Assets to Total Liabilities	Jan. 1	Dec. 31
30 Ratio: Non-Real Estate Assets-Non-Real Estate Liab.	2.700	2.539
31 Ratio: Real Estate Assets to Real Estate Liab.	2.573	2.599
32 Ratio: Net Worth to Total Liabilities	2.809	2.488
33* Ratio: Cash Opr. Exp. to Adjusted Ttl. Farm Sales (O.S.)	1.700	1.539
34 Ratio: Ttl. Farm Receipts to Avg. Farm Capt. (W.F.)		.737
35 Ratio: Ttl. Farm Receipts to Avg. Farm Capt. (O.S.)		.379
		.521

*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 progress from year to year. Items 1 thru 5 show the distribution of capital invested by the operator in the farm business.

ITEM 27- 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 is calculated by dividing item 38, Table 6B by item 28, Table 6A.

ITEM 28 - 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	135 Most Profitable Farms		135 Least Profitable Farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1 Total Prod. Lvstk.	22077	28575	16234	18819
2 Crop, Seed & Feed	29491	29870	21626	24609
3 Total Power, Mach, & Equip.	39806	45282	27139	30366
4 Land	92037	103204	81894	87394
5 Buildings, Fences, Etc.	26156	30308	23210	26217
6 Total Farm Capital	209567	257240	170103	187405
7 Non-Farm Assets	18067	21148	11945	13370
7A Cash on Hand & In Bank	1771	2247	1173	1416
8 Dwelling	12501	13654	8754	9981
9 Total Assets	241906	294289	191974	212172
10 Real Estate Mortgages	43442	58980	37823	47025
11 Chattel Mortgages	25713	29718	23448	29444
12 Notes	17083	17874	7889	11873
13 Accounts Payable	1506	1770	2299	2651
14 Total Liabilities	87744	108342	71460	90992
15 Farmers Net Worth	154162	185947	120515	121181
16 Gain (Or Loss) in Net Worth		31785		666
17 Supplementary Management Information				
18 Return to Oper. Labor & Mgn. (6B/47)		40022		-5580
19 Return to Cap. & Fam. Lbr. (6B/48)		47392		796
20 Non-Farm Income				
21 Outside Investment Income	661		367	
22 Other Per. Inc. & Inc. T. Ref.	971		2485	
22A Sale of Per. Sh. Dwell, A. & tr	5		116	
23 Total Non-Farm Income	1636		2968	
24 Total Fam. Farm & Non-Farm Inc.	49028		3764	
25 Total Money Borrowed	65665		50229	
26 Total Paid on Debt (Prin)	44810		31904	
27 Total HH & Per Cash-Non(4/23)	17874		12044	
28 Ra.T. Farm Exp. to F Rec. (O.S.)	.716		1.080	
29 Ra. T. Assets to Liab.	2.757	2.176	2.686	2.332
30 Ra.Non-R. E. Ass.to Real Liab	2.510	2.980	2.322	2.015
31 Ra.R.E. As. to R. Es. Liab.	3.008	2.495	3.010	2.628
32 Ra.Net Worth to T. Liab.	1.757	1.716	1.686	1.332
33*Ra Cash Op. Ex. to Adj. T. F.S. (O.S.)		.668		.895
34 Ra. T. F. R. to Ave Far. Cap. (W.F.)		.398		.322
35 Ra T. F. R. to Ave Farm Cap. (O.S.)		.606		.401

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

Item 29 - 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 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 32 - 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 27 (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 - 1977

Item	Average 679 Farms	135 Most Profitable Farms	135 Least Profitable Farms
1 Sale of Livestock & Livestk. Products			
2 Dairy Cows	\$ 1790	\$ 2212	\$ 1148
3 Dairy Products	22291	28949	12893
4 Other Dairy Cattle	1449	1697	1409
5 Beef Breeding Cattle	271	140	632
6 Beef Feeder Cattle	4651	6453	5070
7 Hogs Complete & Mixed	4063	4120	4531
8 Hogs Finishing	3256	2456	3135
9 Hogs Producing Weaning Pigs	1935	35	1168
10 Sheep, Goats & Wool, Farm Flock	36		2
11 Sheep & Wool, Feeder Lambs		95	
12 Chickens (Inc. Hens & Broilers)	33		43
13 Turkeys		49	
14 Eggs	178	10	717
15 Other Productive Livestk. & Prod.	24	189	45
16 Other Miscellaneous Livestk. Income	130		291
17 Total Sales of Productive Livestk.	\$ 40106	\$ 51724	\$ 31084
18 Sale of Crops			
19 Wheat	4092	8023	3055
20 Other Small Grain	1205	1890	1168
21 Corn	5449	8181	6058
22 Soybeans	5352	9472	5729
23 Other Row Crops	2303	8533	832
24 Legumes & Other Roughage	286	364	274
25 Grass Seed			
26 Fruits & Nuts			
27 Vegetables, Roadside Market & Spec.			
28 Nursery, Timber & Other			
29 Set Aside Acres - Government Payments			
30 Total Sales From Crops	\$ 18687	\$ 36465	\$ 17116
31 Capital Assets Sold	561	870	284
32 Gas Tax Refund	122	141	116
33 Income From Work Off the Farm	1704	1502	1107
34 Custom Work Enterprise Income	285	75	1061
35 Patronage Refunds	641	881	582
36 Miscellaneous Farm Income	990	1220	890
37 Total Farm Sales	\$ 63095	\$ 92878	\$ 52240
38 Increase in Farm Capital	\$ 25822	\$ 47079	\$ 16863
39 Family Living From the Farm	570	806	399
40 Total Farm Receipts (37)+(38)+(39)	\$ 89487	\$ 140763	\$ 69502
41 Adjusted Total Farm Sales (37)-(31)	62534	92008	51956
42 Total Cash Farm Operating Expense	45959	61242	46310
43 Net Cash Operating Income	16575	30766	5647

Table 6B - OPERATORS SHARE OF CASH EXPENSES

Item	Average of 679 Farms	135 Most Profitable Farms	135 Least Profitable Farms
1 Purchase of Livestock			
2 Dairy Cows	\$ 515	\$ 504	\$ 336
3 Other Dairy Cattle	500	178	570
4 Beef Breeding Cattle	93	157	127
5 Beef Feeder Cattle	2689	2805	3657
6 Hogs Complete	318	365	414
7 Hogs Finishing	1075	901	1390
8 Hogs Producing Weaning Pigs	218	317	142
9 Sheep, Farm Flock	3	3	
10 Sheep, Feeder Lambs			
11 Chickens	45	5	199
12 Turkeys			
13 Other Productive Livestock	10	1	31
14 Miscellaneous Livestock Expense	1633	2105	1208
15 Feed Bought	9100	11129	7936
16 Fertilizer	4077	6218	4137
17 Chemicals	1585	2613	1604
18 Other Crop Expense	2860	4072	2782
19 Irrigation Operation Cost	98	134	116
20 Custom Work Operator Costs, Inc. Labor	231	46	1040
21 Custom Work Hired	1775	2238	1552
22 Repair & Upkeep of Livestock Equipment	416	490	336
23 Repair & Upkeep of Farm Real Estate	692	767	798
24 Gas, Oil, Grease Bought (Farm Share)	2384	3289	2145
25 Repair & Operation of Mach., Tractor, Truck, Auto (Farm Share)	2991	4109	2943
26 Repair & Upkeep of Irrig. Equip.	15	21	34
27 Repairs, Custom Work Enterprise	32		147
28 Wages of Hired Labor	1788	3416	1735
29 Personal Prop. & Real Est. Taxes	970	1425	1016
30 Cash Rent	2802	4252	3264
31 Gen. Farm Expenses	1086	1433	1110
32 Telephone Expense (Farm Share)	185	224	179
33 Electricity Expense (Farm Share)	723	870	667
34 Interest Expense	5053	7156	4694
35 Total Cash Operating Expense	\$ 45959	\$ 61242	\$ 46310
36 Power, Crop & General Mach. Bought (F.S.)	9028	12418	7728
37 Irrigation Equipment Bought	854	539	682
38 Custom Work Enterprise Equip. Bought	86		
39 Livestock Equip. Bought	1506	1819	1473
40 New Real Estate & Improvements	10876	17205	12415
41 Total Farm Purchases (35)-(40)	\$ 68310	\$ 93223	\$ 68608
42 Decrease in Farm Capital			
43 Interest on Farm Capital (Equity)	5361	6890	5940
44 Unpaid Family Labor	493	480	436
45 Board Furnished Hired Labor	91	147	97
46 Total Farm Expense (41)-(45)	\$ 74255	\$ 100740	\$ 75082
47 Return to Opr. Labor & Mgmt. (Opr. Share) (6A/40)-(46)	15232	40022	(-5580)
48 Return to Capital & Family Labor (47)+ (44)+(43)	21085	47392	796

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 CROPS, 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
Chickens, 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. & Grass Silage	.40/acre
Labor Off Farm	1.0/\$20	Summer Fallow Tilled	.20/acre
Diverated Acres-Idle	.05/acre	Wild Hay	.20/acre
		Sugar Beets	2.00/acre
		Pinto Beans	.50/acre

ANIMAL UNITS

One animal unit represents; one dairy cow or bull, two other dairy cattle, 1½ beef cows or bulls, 1 feeder steer or heifer, 3 1/3 other beef cattle, 7 sheep, 14 lambs, 2½ hogs, 5 pigs, 50 hens, or 1,100 lbs. of turkeys produced.

AVERAGE PRICES FOR FARM GROWN FEEDS

Grain:

Corn	\$ 1.92 Per Bushel
Oats	1.00 Per Bushel
Barley	1.60 Per Bushel

Hay:

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

Other Roughages:

Corn Silage	\$ 16.00 Per Ton
Legume Silage	18.00 Per Ton

Pasture:

Cows	\$ 6.00 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

AGE OF THE FARM COOPERATOR ON A PERCENTAGE BASIS FOR 1977 ANALYSIS:

<u>Age Group</u>	<u>Percent of Total</u>
20-24	7%
25-29	33%
30-34	25%
35-39	13%
40-44	12%
45-49	6%
50 & Over	4%

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 - 1977

Item	Average of 679 Farms	136 Most Profitable Farms	136 Least Profitable Farms
1 Ret. to Opr. Labor & Mgmt.	\$ 15232	\$ 40022	\$ (-5580)
2 Crop Yield Index	100.0	110.8	87.3
3 Percent Till. Land in Hi Ret. Crops	76.8	80.0	76.1
4 Gross Return Per Till. Acre (Exc. Pasture)	172.47	216.00	150.97
5 Ret. Per \$100 Feed Fed Prod. Live, Index	100.0	112.4	94.1
6 * Livestk. Units Per 100 Acres	19.69	17.33	19.48
7 Size of Business - Work Units	426.40	558.99	307.08
8 Work Units Per Worker	275.10	328.82	208.90
9 Power, Mach., Equip., Bldg., Exp. Per Worker Unit	40.54	39.69	60.06
10 Farm Capital Invst. Per Worker	\$ 179786	232786	196698
11 Index of Ret. Per \$100 Feed Fed			
12 6010A Beef Breed. Range/Comm/Gen/Cow Herd	100.0		100.0
13 6020A Beef Breed. Farm/Comm/Gen/Cow Herd	100.0	132.6	72.4
14 6060A Beef Breed. Repl./Farm/Comm/Gen.	100.0	151.9	92.0
15 6100A Beef Breed. Farm/Whole Herd/Comm.	100.1		32.6
16 6130A Beef Feeders Grass Fed	100.0	124.3	100.8
17 6140A Beef Feeders Feedlot	100.0	111.2	81.8
18 6240A Chickens, Laying Flock, Comm.	100.0	83.1	108.9
19 6290A Dairy Cows, Comm., Gen.	100.0	105.7	97.8
20 6310A Other Dairy, Comm., Replacements	100.0	115.2	86.2
21 6420A Geese	100.0		105.5
22 6470A Hogs, Farrow, Finish, General	100.0	104.9	79.9
23 6490A Hogs, Finishing	100.0	112.0	87.8
24 6510A Hogs, Weaning Pig Prod.	100.0	112.5	89.6
25 6530A Hogs, Mixed Systems	100.0		97.3
26 6670A Sheep, Farm, Commercial	100.0	133.7	56.9
27 Number of Animal Units	61.29	79.09	56.02
28 Work Units			
29 Crops	153.46	245.88	136.04
30 Productive Livestock	215.75	266.79	129.97
31 Other Productive Work Units	57.19	46.32	41.07
32 Expenses Per Work Units			
33 Tractor & Crop Mach. Expense	23.01	23.52	33.58
34 Farm Share of Auto & Truck Exp.	5.52	5.57	8.37
35 Farm Share of Elec. Exp.	1.75	1.55	2.14
36 Livestock Equip. Expense	3.61	3.49	4.14
37 Bldg., Fence & Tiling Exp.	6.63	5.56	11.83
38 ** Tractor & Crop Mach. Exp. Per Crop Acre	31.17	28.54	34.94
39 Farm Power & Mach. Cost Alloc. to Lvstk.	1644.44	1946.46	1669.29
40 Bldg., Fence & Tiling Cost Alloc. to Crops	1222.96	1475.48	1849.28

41 * Acres Include all tillable land, non-tillable hay & Pasture

42 ** Acres include all tillable land plus acres in non-tillable hay

[illegible]

Table 9 - CROP PRODUCTION - ACRES & YIELD - 1977

Item	679 Average Acres	136 High Earnings	136 Low Earnings
A. Total Small Grain & Can. Peas	82.6*	117.8*	80.4*
B. Total Row Crop	161.8*	264.6*	155.5*
C. Total Legumes, Inc. Seed	33.9*	37.4*	24.1*
D. Total Other Hay	2.5*	2.4*	2.0*
E. Total Silage & Fodder	23.9*	27.4*	19.2*
F. Total Tillable Pasture	.8*	1.5*	.1*
K. Total Fallow & Idle Land	.1*	451.1*	.5*
L. Total Tillable Land	305.6*	5.3*	281.8*
M. Total Non Till. Hay/Past.	5.8	3.7	5.8*
9985 W. Hay not Har. (Non-Till.)	4.1	19.2	4.0
9986 Pasture Not Har.	21.2	1.9	21.9
9987 Timber Not Har.	3.7	18.9	4.3
9988 Roads & Waste	14.2	13.8	9.8
9989 Farmstead	9.0	57.5	8.0
O. Total Land not Harvested	52.2*	62.8*	48.0*
P. Total Non Tillable Land	58.0*	513.9*	53.8*
Q. Total Land in Farm or Ranch	363.6*		335.6*
9992 Supplementary Management Information			
9993 Percent Land Till.	84.0	87.8	84.0
9994 Percent Land in H. R. Crops	76.8	80.0	76.1
9995 *Fert. Cost Per Acre	13.72	13.95	15.43
9996 *Crop Chem. Per Acre	5.75	6.36	6.31
9997 *Seed & O Costs Per Acre	10.01	10.48	11.10
9998 *Gas, Oil & Gr. B. Per Acre	6.29	5.97	6.00
9999 *Till. L Till. Past Fallow, & Idle			

* 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, SPRING- 1977

Item	Average Yield of 35 Farms	17 Farms High In Yield	17 Farms Low In Yield
1 Acres	61.8	53.5	69.1
2 Yield	61.5	75.1	50.6
3 Value Per Production Unit	1.63	1.66	1.60
4 Crop Product Return	100.18	124.71	80.90
5 Other Crop Income	.31	.71	
6 Total Crop Return	100.49	125.42	80.90
7 Direct Costs			
8 Fertilizer	8.28	6.84	8.93
9 Chemicals	1.33	1.23	1.43
10 Seed & Other	6.50	7.98	5.44
11 Special Hired Labor			
12 Custom Work Hired	1.36	2.28	.45
13 Irrigation Operation			
14 Total Direct Costs	17.47	18.33	16.25
15 Return over Direct Costs	83.02	107.09	64.65
16 Allocated Costs			
17 Farm Power & Mach. Ownership	9.93	10.14	9.74
18 Farm Power & Mach. Operation	8.24	8.17	8.19
19 Irr. Equip. Ownership			
20 Land Costs	36.51	38.29	34.53
21 Miscellaneous Costs	.13		.23
22* Interest on Mach.&Eq. Invest.	2.52	2.88	2.26
23 Total Allocated Costs	57.33	59.48	54.95
24 Return over All Listed Costs	25.69	47.61	9.70
25 Supplementary management information			
26 Work Units assigned Per Acre	.30	.30	.30
27 Power Costs Allocation Factor	.99	1.01	.97
28 Total Listed Cost Per Unit of Prod.	1.22	1.04	1.41
29 Return Over Listed Costs per Unit	.42	.63	.19
30 Breakeven Yield/Units of Prod.	45.89	46.87	44.50
31 Total Listed Costs Per Acre	74.80	77.81	71.20
32 Other Possible Costs Not Listed			
33 Utilities & O G. Farm Exp.	-----	-----	-----
33A Buildings, Fence & T. Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

Table 10 - 0105 CROP DATA FOR OATS - 1977

Item	Average Yield of 664 Farms	332 Farms High In Yield	332 Farms Low In Yield
1 Acres			
2 Yield	35.4	33.5	37.3
3 Value Per Production Unit	74.4	91.8	58.7
4 Crop Product Return	1.15	1.14	1.15
5 Other Crop Income	85.54	104.69	67.53
6 Total Crop Return	9.86	10.87	8.98
	95.40	115.56	76.51
7 Direct Costs			
8 Fertilizer	5.56	6.81	4.48
9 Chemicals	.85	.78	.91
10 Seed & Other	6.67	7.31	6.09
11 Special Hired Labor	.14	.06	.21
12 Custom Work Hired	2.60	3.25	2.01
13 Irrigation Operation		.03	
14 Total Direct Costs	15.82	18.24	13.70
15 Return Over Direct Costs	79.58	97.32	62.81
16 Allocated Costs			
17 Farm Power & Mach, Ownership	9.89	11.10	8.79
18 Farm Power & Mach, Operation	9.64	9.90	9.40
19 Irrigation Equip. Ownership	.03	.09	
20 Land Costs	36.71	40.84	32.58
21 Miscellaneous Costs	.28	.24	.32
22* Int. on Mach. & Equip. Inv.	2.60	2.79	2.43
23 Total Allocated Costs	59.15	64.96	53.52
24 Return Over All Listed Costs	20.43	32.36	9.29
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.30	.30	.30
27 Power Costs Allocation Factor	.99	.99	.99
28 Total Listed Cost Per U. of Prod.	1.01	.91	1.15
29 Return Over List Costs Per Unit	.27	.35	.16
30 Breakeven Yield/U. of Prod.	65.19	72.98	58.45
31 Total Listed Costs per Acre	74.97	83.20	67.22
32 Other Possible Costs Not Listed			
33 Utilities & O. Gen. Farm Exp.	-----	-----	-----
33A Buildings, F. & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

Table 10 - 0120 CROP DATA FOR RYE - 1977

Item	Average Yield of 21 Farms	10 Farms High In Yield	10 Farms Low In Yield
1 Acres	43.0	31.5	54.9
2 Yield	22.0	37.8	13.0
3 Value Per Production Unit	1.88	1.98	1.98
4 Crop Product Return	41.28	74.79	25.65
5 Other Crop Income	4.81	9.84	2.28
6 Total Crop Return	\$ 46.09	\$ 84.63	\$ 27.93
7 Direct Costs			
8 Fertilizer	3.72	6.60	1.24
9 Chemicals	.26	.70	
10 Seed & Other	4.07	4.00	4.03
11 Special Hired Labor			
12 Custom Work Hired	.23	.06	.02
13 Irrigation Operation			
14 Total Direct Costs	\$ 8.28	\$ 11.36	\$ 5.29
15 Return Over Direct Costs	37.81	73.27	22.64
16 Allocated Costs			
17 Farm Power & Machinery - Ownership	7.12	10.48	5.36
18 Farm Power & Machinery - Operation	6.08	8.02	4.82
19 Irrigation Equipment - Ownership			
20 Land Costs	21.38	25.70	17.80
21 Miscellaneous Costs	.93	2.44	.11
22 * Interest on Mach. & Equip. Invst.	2.50	2.39	2.62
23 Total Allocated Costs	38.01	49.03	30.71
24 Return Over All Listed Costs	(-.20)	24.24	(-8.07)
25 Supplementary Management Infor.			
26 Work Units Assigned Per Acre	.30	.30	.30
27 Power Costs Allocation Factor	.96	1.01	.90
28 Total Listed Cost Per Unit of Prod.	2.11	1.60	2.78
29 Return Over Listed Costs Per Unit	(-.01)	.64	(-.62)
30 Breakeven Yield/Units of Production	24.62	30.50	18.18
31 Total Listed Costs Per Acre	\$ 46.29	\$ 60.39	\$ 36.00
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not Include Interest on Investment in Land.

Table 10-0195 CROP DATA FOR WHEAT-SPRING - 1977

Item	Average Yield of 344 Farms	172 Farms High In Yield	172 Farms Low In Yield
1 Acres	80.4	82.6	78.2
2 Yield	50.1	58.8	40.8
3 Value Per Production Unit	2.33	2.32	2.34
4 Crop Product Return	116.70	136.50	95.58
5 Other Crop Income	1.82	1.67	1.97
6 Total Crop Return	118.52	138.17	97.55
7 Direct Costs			
8 Fertilizer	12.72	14.67	10.66
9 Chemicals	1.26	1.44	1.05
10 Seed & Other	6.44	6.49	6.38
11 Special Hired Labor	.06		.13
12 Custom Work Hired	2.05	1.95	2.16
13 Irrigation Operation			
14 Total Direct Costs	22.53	24.55	20.38
15 Return Over Direct Costs	95.99	113.62	77.17
16 Allocated Costs			
17 Farm P. & Mach. Ownership	10.02	9.59	10.49
18 Farm P. & Mach. Operation	8.45	8.47	8.44
19 Irrigation eq. Ownership	.01	.01	
20 Land Costs	47.55	51.96	43.14
21 Miscellaneous Costs	.50	.64	.35
22* Interest on Mach. & Equip. Inv.	2.50	2.41	2.59
23 Total Allocated Costs	69.03	73.08	65.01
24 Return Over All Listed Costs	26.96	40.54	12.16
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.30	.30	.30
27 Power Costs Allocation Factor	.99	1.00	.99
28 Total Listed Cost Per Unit of Prod.	1.83	1.66	2.09
29 Return Over Listed Costs Per Unit	.54	.69	.30
30 Breakeven Yield/Units of Prod.	39.30	42.08	36.49
31 Total Listed Costs Per Acre	91.56	97.63	85.39
32 Other Possible Costs Not Listed			
33 Utilities & O. Gen. Farm Exp.	-----	-----	-----
33A Buildings, F. & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not include interest on investment in land.

Table 10 - 0235 CROP DATA FOR BEANS, NAVY

Item	Average Yield of 10 Farms	5 Farms High In Yield	5 Farms Low In Yield
1 Acres			
2 Yield	33.0	19.9	46.0
3 Value Per Production Unit	10.0	16.1	7.3
4 Crop Product Return	15.86	15.12	16.60
5 Other Crop Income	158.12	243.92	121.26
6 Total Crop Return	\$ 158.12	\$ 243.92	\$ 121.26
7 Direct Costs			
8 Fertilizer			
9 Chemicals	4.03	8.69	2.00
10 Seed & Other	8.85	9.95	8.39
11 Special Hired Labor	17.45	16.58	17.89
12 Custom Work Hired			
13 Irrigation Operation	1.82	5.48	.26
14 Total Direct Costs	\$ 32.15	\$ 40.70	\$ 28.54
15 Return Over Direct Costs	125.97	203.22	92.72
16 Allocated Costs			
17 Farm Power & Machinery - Ownership	21.25	33.25	16.16
18 Farm Power & Machinery - Operation	11.86	17.06	9.63
19 Irrigation Equipment - Ownership			
20 Land Costs	53.20	46.00	60.40
21 Miscellaneous Costs	1.76		2.52
22 * Interest on Mach. & Equip. Invst.	3.83	5.47	3.13
23 Total Allocated Costs	91.90	101.67	91.84
24 Return Over All Listed Costs	34.07	101.55	.88
25 Supplementary Management Infor.			
26 Work Units Assigned Per Acre	.50	.50	.50
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total listed Cost Per Unit of Prod.	12.44	8.82	16.48
29 Return Over Listed Costs Per Unit	3.42	6.30	.12
30 Breakeven Yield/Units of Production	7.82	9.42	7.25
31 Total Listed Costs Per Acre	\$ 124.05	\$ 142.37	\$ 120.38
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not Include Interest on Investment in Land

Table 10 - 0240 CROP DATA FOR BEANS, PINTO - 1977

Item	Average	High Yield	Low Yield
1 Acres	31.1	32.9	29.3
2 Yield	15.6	19.3	11.4
3 Value Per Production Unit	13.98	14.95	13.00
4 Crop Product Return	217.56	288.09	148.19
5 Other Crop Income			
6 Total Crop Return	\$217.56	\$ 288.09	\$ 148.19
7 Direct Costs			
8 Fertilizer	4.66		9.93
9 Chemicals	10.66	11.06	10.24
10 Seed & Other	11.29	13.01	9.35
11 Special Hired Labor			
12 Custom Work Hired	3.73	6.75	.34
13 Irrigation Operation			
14 Total Direct Costs	\$ 30.36	\$ 30.82	\$ 29.86
15 Return Over Direct Costs	187.20	257.27	118.33
16 Allocated Costs			
17 Farm Power & Machinery - Ownership	17.09	22.56	10.94
18 Farm Power & Machinery - Operation	17.16	16.09	18.35
19 Irrigation Equipment - Ownership			
20 Land Costs	50.13	50.00	50.25
21 Miscellaneous Costs			
22 * Interest on Mach. & Equip. Invst.	4.03	4.32	3.70
23 Total Allocated Costs	88.41	92.97	83.24
24 Return Over All Listed Costs	98.79	164.30	35.09
25 Supplementary Management Infor.			
26 Work Units Assigned Per Acre	.50	.50	.50
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost Per Unit of Prod.	7.63	6.42	9.92
29 Return Over Listed Costs Per Unit	6.35	8.53	3.08
30 Breakeven Yield/Units of Production	8.50	8.28	8.70
31 Total Listed Costs Per Acre	\$ 118.77	\$ 123.79	\$ 113.10
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not Include Interest on Investment in Land

TABLE 10-0255 - CROP DATA FOR CORN FOR SEED

Item	Average Yield of Farms
1 Acres	114.1
2 Yield	85.9
3 Value Per Production Unit	1.92
4 Crop Product Return	165.00
5 Other Crop Income	
6 Total Crop Return	165.00
7 Direct Costs	
8 Fertilizer	17.77
9 Chemicals	7.62
10 Seed and Other	9.25
11 Special Hired Labor	
12 Custom Work Hired	.32
13 Irrigation Operation	
14 Total Direct Costs	34.96
15 Return Over Direct Costs	130.04
16 Allocated Costs	
17 Farm Power & Machinery-Ownership	12.90
18 Farm Power & Machinery-Operation	16.69
19 Irrigation Equipment-Ownership	
20 Land Costs	44.36
21 Miscellaneous Costs	4.54
22* Interest on Mach. & Equip. Investment	4.39
23 Total Allocated Costs	82.88
24 Return Over All Listed Costs	47.16
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.60
27 Power Costs Allocation Factor	1.00
28 Total Listed Cost Per Unit of Production	1.37
29 Return Over Listed Costs Per Unit	.55
30 Breakeven Yield/Units of Production	61.38
31 Total Listed Costs Per Acre	117.84
32 Other Possible Costs Not Listed	-----
33 Utilities & Other Gen Farm Exp.	-----
33A Buildings, Fences & Tiling Costs	-----
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----

* Does Not Include Interest on investment in land.

Table 10-0260- CROP DATA FOR CANNING CORN - 1977

Item	Average Yield 28 Farms	28 Farms High In Yield	12 Farms Low In Yield
1 Acres	38.9	36.3	30.0
2 Yield	139.54	171.24	100.20
3 Value Per Production Unit	1.00	1.00	1.00
4 Crop Product Return	139.54	171.24	100.20
5 Other Crop Income			
6 Total Crop Return	139.54	171.24	100.20
7 Direct Cost			
8 Fertilizer	17.87	19.86	17.03
9 Chemicals	5.06	8.37	2.83
10 Seed and Other			
11 Special Hired Labor			
12 Custom Work Hired	.26		
13 Irrigation Operation			
14 Total Direct Costs	23.19	28.23	19.86
15 Return Over Direct Costs	116.35	143.01	80.34
16 Allocated Costs			
17 Farm P. & Mach. Ownership	10.18	7.59	14.43
18 Farm P. & Mach. Operation	13.21	12.46	17.12
19 Irrigation Eq. Ownership			
20 Land Costs	57.56	59.25	54.00
21 Miscellaneous Costs			
22* Interest on Mach. & Eq. Invest.	3.84	3.06	4.48
23 Total Allocated Costs	84.79	82.36	90.03
24 Return Over All Listed Costs	31.56	60.65	-9.69
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.50	.50	.50
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost Per Unit of Prod.	.77	.65	1.10
29 Return Over Listed Costs Per Unit	.23	.35	-.10
30 Breakeven Yield/Unit of Prod.	107.98	110.59	109.89
31 Total Listed Costs Per Acre	107.98	110.59	109.89
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Til Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

TABLE 10-0275 CROP DATA FOR CORN FOR GRAIN - 1977

Item	Average Yield of 870 Farms	435 Farms High In Yield	435 Farms Low In Yield
1 Acres	77.3	79.7	74.8
2 Yield	92.4	108.4	75.6
3 Value Per Production Unit	1.89	1.91	1.87
4 Crop Product Return	174.70	206.99	141.35
5 Other Crop Income	.65	.34	.98
6 Total Crop Return	175.35	207.33	142.33
7 Direct Costs			
8 Fertilizer	23.39	27.98	18.52
9 Chemicals	9.44	10.99	7.81
10 Seed & Other	13.43	15.47	11.27
11 Special Hired Labor	.30	.28	.32
12 Custom Work Hired	3.13	4.07	2.14
13 Irrigation Operation			
14 Total Direct Costs	49.70	58.79	40.06
15 Return Over Direct Costs	125.65	148.54	102.27
16 Allocated Costs			
17 Farm P. & Mach Ownership	18.40	20.27	16.42
18 Farm P. & Mach. Operation	16.72	17.72	15.68
19 Irrigation Eq. Ownership			
20 Land Costs	40.30	44.40	36.21
21 Miscellaneous Costs	1.97	1.44	2.53
22* Interest on Mach. & Eq. Invest.	4.93	5.73	4.10
23 Total Allocated Cost	82.32	89.56	74.94
24 Return Over All Listed Costs	43.33	58.98	27.33
25 Supplementary Mangement Information			
26 Work Units Assigned Per Acres	.55	.55	.55
27 Power Costs Allocation Factor	.99	.99	.98
28 Total Listed Cost Per Unit of Prod.	1.43	1.37	1.52
29 Return Over Listed Costs Per Unit	.47	.54	.36
30 Breakeven Yield/Units of Prod.	69.87	77.73	61.50
31 Total Listed Costs Per Acre	132.02	148.35	115.00
32 Other Possible Costs Not Listed			
33 Utilities & Other General F. Exp.	-----	-----	-----
33A Buildings, Fences & Tiling costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

TABLE 10-0325 CROP DATA FOR SORGHUM, GRAIN - 1977

Item	Average Yield of 30 Farms
1 Acres	44.0
2 Yield	41.2
3 Value Per Production Unit	5.11
4 Crop Product Return	210.43
5 Other Crop Income	
6 Total Crop Return	210.43
7 Direct Costs	
8 Fertilizer	20.86
9 Chemicals	10.07
10 Seed & Other	6.86
11 Special Hired Labor	
12 Custom Work Hired	6.52
13 Irrigation Operation	
14 Total Direct Costs	44.31
15 Return Over Direct Costs	166.12
16 Allocated Costs	
17 Farm P. & Mach. ownership	10.33
18 Farm P. & Mach. Operation	13.82
19 Irrigation Equ. Ownership	
20 Land Costs	51.44
21 Miscellaneous Costs	
22* Interest on Mach. & Eq. Invest.	3.43
23 Total Allocated Costs	79.02
24 Return Over All Listed Costs	87.10
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	3.00
29 Return Over Listed Costs Per Unit	2.11
30 Breakeven Yield/Units of Production	24.14
31 Total Listed Costs Per Acre	123.33
32 Other Possible Costs Not Listed	
33 Utilities & Other General Farm Exp.	-----
33A Buildings, Fences & Tiling Costs	-----
34 In Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----

* Does not include interest on investment in land.

TABLE 10-0335 CROP DATA FOR SOYBEANS - 1977

Item	Average Yield of 380 Farms	190 Farms High In Yield	190 Farms Low In Yield
1 Acres	99.6	105.2	93.9
2 Yield	33.9	39.5	27.7
3 Value Per Production Unit	5.42	5.38	5.46
4 Crop Product Return	183.77	212.49	151.06
5 Other Crop Income	.16	.20	.11
6 Total Crop Return	183.93	212.69	151.17
7 Direct Costs			
8 Fertilizer	.99	.91	1.10
9 Chemicals	8.31	8.40	8.22
10 Seed & Other	10.81	10.65	11.01
11 Special Hired Labor	.91	.88	.96
12 Custom Work Hired	1.92	2.19	1.62
13 Irrigation Operation			
14 Total Direct Costs	22.94	23.03	22.91
15 Return Over Direct Costs	160.99	189.66	128.26
16 Allocated Costs			
17 Farm P. & Mach. Ownership	15.05	14.92	15.20
18 Farm P. & Mach. Operation	12.74	12.52	13.00
19 Irrigation Equ. Ownership			
20 Land Costs	50.32	54.53	46.12
21 Miscellaneous Costs	1.08	1.13	1.03
22* Interest on Mach. & Eq. Invest.	3.75	3.79	3.71
23 Total Allocated Costs	82.94	86.89	79.06
24 Return Over All Listed Costs	78.05	102.77	49.20
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.45	.45	.45
27 Power Costs Allocation Factor	1.00	1.01	.99
28 Totl. Listed Cost Per Unit of Prod.	3.12	2.78	3.69
29 Return Over Listed Costs Per Unit	2.30	2.60	1.78
30 Breakeven Yield/Units of Prod.	19.54	20.43	18.68
31 Total Listed Costs Per Acre	105.88	109.92	101.97
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. F. Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

TABLE 10-0340 CROP DATA FOR SUGAR BEETS - 1977

Item	Average Yield of 23 Farms	11 Farms High In Yield	11 Farms Low IN Yield
1 Acres	178.7	184.5	172.5
2 Yield	21.3	23.3	19.1
3 Value Per Production Unit	21.39	21.09	21.95
4 Crop Product Return	455.21	491.76	418.64
5 Other Crop Income			
6 Total Crop Return	455.21	491.76	418.64
7 Direct Costs			
8 Fertilizer	33.35	34.96	29.58
9 Chemicals	15.64	13.83	18.46
10 Seed & Other	20.35	26.68	22.95
11 Special Hired Labor	27.52	18.52	27.87
12 Custom Work Hired	16.19	17.43	15.23
13 Irrigation Operation			
14 Total Direct Costs	113.05	111.42	114.09
15 Return Over Direct Costs	342.16	380.34	304.55
16 Allocated Costs			
17 Farm P. & Mach. Ownership	48.19	45.58	50.65
18 Farm P. & Mach. Operation	41.21	41.53	41.42
19 Irrigation Eq. Ownership			
20 Land Costs	61.83	62.91	57.91
21 Miscellaneous Costs	.21	.43	
22* Interest on Mach. & Eq. Invest.	13.75	14.39	13.63
23 Total Allocated Costs	165.19	164.84	163.61
24 Return Over All Listed Costs	176.97	215.50	140.94
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	2.00	2.00	2.00
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost Per Unit of Prod.	13.07	11.85	14.56
29 Return Over Listed Costs Per Unit	8.32	9.24	7.39
30 Breakeven Yield/Unit of Prod.	13.01	13.10	12.65
31 Total Listed Costs Per Acre	278.24	276.26	277.70
32 Other Possible Costs Not Listed			
33 Utilities & O Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

TABLE 10-0350 CROP DATA FOR SUNFLOWERS - 1977

Item	Average Yield of 40 Farms	20 Farms High In Yield	20 Farms Low In Yield
1 Acres	109.6	111.0	108.2
2 Yield	27.3	40.6	13.7
3 Value Per Production Unit	9.29	9.50	9.08
4 Crop Product Return	253.87	385.57	124.62
5 Other Crop Income	.13	.26	
6 Total Crop Return	254.00	385.83	124.62
7 Direct Costs			
8 Fertilizer	12.86	14.52	11.15
9 Chemicals	8.45	10.41	6.44
10 Seed & Other	11.02	10.68	11.37
11 Special Hired Labor	.04	.07	
12 Custom Work Hired	1.82	2.03	1.63
13 Irrigation Operation			
14 Total Direct Costs	34.19	37.71	30.59
15 Return Over Direct Costs	219.81	348.12	94.03
16 Allocated Costs			
17 Farm P. & Machinery Ownership	15.72	15.09	16.37
18 Farm P. & Mach. Operation	15.32	16.32	14.30
19 Irrigation Eq. Ownership			
20 Land Costs	46.23	50.35	42.10
21 Miscellaneous Costs	.05	.03	.08
22* Interest on Mach. & Eq. Invest.	4.00	4.34	3.65
23 Total Allocated Costs	81.32	86.13	76.50
24 Return Over All Listed Costs	138.49	261.99	17.53
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 Unit of Prod.	4.23	3.05	7.80
29 Return Over Listed Costs Per Unit	5.07	6.46	1.28
30 Breakeven Yield/Units of Prod.	12.43	13.04	11.79
31 Total Listed Costs Per Acre	115.51	123.84	107.09
32 Other Possible Costs Not Listed	-----	-----	-----
33 Utilities & Other Gen F. Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

TABLE 10-0365 CROP DATA FOR CANNING PEAS - 1977

Item	Average Yield of 34 Farms
1 Acres	26.6
2 Yield	144.92
3 Value Per Production Unit	1.00
4 Crop Product Return	144.92
5 Other Crop Income	6.77
6 Total Crop Return	151.69
7 Direct Costs	
8 Fertilizer	4.25
9 Chemicals	1.32
10 Seed & Other	2.71
11 Special Hired Labor	
12 Custom Work Hired	.53
13 Irrigation Operation	
14 Total Direct Costs	8.81
15 Return Over Direct Costs	142.88
16 Allocated Costs	
17 Farm P. & Mach. Ownership	14.16
18 Farm P. & Mach. Operation	11.03
19 Irrigation Eq. Ownership	
20 Land Costs	54.71
21 Miscellaneous Costs	
22* Interest on Mach. & Eq. Investment	3.99
23 Total Allocated Costs	83.89
24 Return Over All Listed Costs	58.99
25 Supplementary Management Information	
26 Work Units Assigned Per Acre	.40
27 Power Costs Allocation Factor	.93
28 Total Listed Cost Per Unit of Prod.	.64
29 Return Over Listed Costs Per Unit	.41
30 Breakeven Yield/Units of Prod.	92.70
31 Total Listed Costs Per Acre	92.70
32 Other Possible Costs Not Listed	
33 Utilities & Other Gen. Faarm Exp.	-----
33A Buildings, Fences & Tiling Costs	-----
34 Interest Allocation	-----
35 Other Costs Not Listed	-----
36 Total Costs	-----

* Does Not include interest on investment in land.

TABLE 10-0400 CROP DATA FOR ALFALFA HAY - 1977

Item	Average Yield of 618 Farms	309 Farms High In Yield	309 Farms Low In Yield
1 Acres			
2 Yield	37.8	36.6	38.9
3 Value Per Production Unit	3.4	4.3	2.3
4 Crop Product Return	47.19	47.90	46.48
5 Other Crop Income	160.44	205.97	105.14
6 Total Crop Return	.63	.55	.69
	161.07	206.52	105.83
7 Direct Costs			
8 Fertilizer			
9 Chemicals	7.75	10.16	5.53
10 Seed & Other	.11	.08	.13
11 Special Hired Labor	6.77	8.06	5.55
12 Custom Work Hired	.13	.06	.21
13 Irrigation Operation	2.15	2.70	1.59
14 Total Direct Costs			
15 Return Over Direct Costs	16.91	21.06	13.01
	144.16	185.46	92.82
16 Allocated Costs			
17 Farm P. & Mach. Ownership			
18 Farm P. & Mach. Operation	18.45	20.09	16.96
19 Irrigation Eq. Ownership	19.49	20.87	18.24
20 Land Costs			
21 Miscellaneous Costs	36.14	38.70	33.57
22* Interest on Mach. & Eq. Invest.	.37	.44	.28
23 Total Allocated Costs	5.06	5.59	4.57
24 Return Over All Listed Costs	79.51	85.69	73.62
	64.65	99.77	19.20
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.60	.60	.60
27 Power Costs Allocation Factor	.98	.99	.98
28 Total Listed Cost Per Unit of Prod	19.01	24.82	38.31
29 Return Over Listed Costs Per Unit	28.35	23.20	8.48
30 Breakeven Yield/Unit of Prod.	2.05	2.24	1.86
31 Total Listed Costs Per Acre	96.42	106.75	86.63
32 Other Possible Costs Not Listed			
33 Utilities & O. Gen F. Exp.	-----	-----	-----
33A Buildings, F. & T. Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not Include interest on investment in land.

Table 10-0515 CROP DATA FOR OTHER TILLABLE GRASS HAY - 1977

Item	Average Yield of 84 Farms	42 Farms High In Yield	42 Farms Low In Yield
1 Acres			
2 Yield	13.7	11.6	15.9
3 Value Per Production Unit	1.9	2.8	1.3
4 Crop Product Return	31.42	32.48	30.36
5 Other Crop Income	59.64	92.41	38.78
6 Other Crop Return	.36		.69
7 Direct Costs	60.00	92.41	38.87
8 Fertilizer			
9 Chemicals	1.75	4.14	
10 Seed & Other			
11 Special Hired Labor	1.46	2.33	.75
12 Custom Work Hired			
13 Irrigation Operation	.66	1.29	.19
14 Total Direct Costs	3.87	7.76	.94
15 Return Over Direct Costs	56.13	84.65	37.93
16 Allocated Costs			
17 Farm P. & Mach. Ownership	9.51	9.98	9.10
18 Farm P. & Mach. Operation	10.29	10.49	10.07
19 Irrigation Eq. Ownership			
20 Land Costs	18.61	20.81	16.40
21 Miscellaneous Costs	.15	.17	.06
22* Interest on Mach. & Eqp. Invest.	2.74	2.48	2.91
23 Total Allocated Costs	41.30	43.93	38.54
24 Return Over All Listed Costs	14.83	40.72	-.61
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.30	.30	.30
27 Power Costs Allocation Factor	.99	.99	.99
28 Total Listed Cost Per Unit of Prod.	23.81	18.18	31.40
29 Return Over Listed Costs Per Unit	7.81	14.30	-.50
30 Breakeven Yield/Units of Prod.	1.44	1.59	1.30
31 Total Listed Costs Per Acre	45.17	51.69	39.48
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. F. Exp.	-----	-----	-----
33A Buildings, F. & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not include interest on investment in land.

TABLE 10-0525 CROP DATA FOR LEGUME GRASS-MIX HAY - 1977

Item	Average Yield of 26 Farms	13 Farms High In Yield	13 Farms Low In Yield
1 Acres	20.4	19.3	21.5
2 Yield	1.6	2.1	1.3
3 Value Per Production Unit	41.73	43.08	40.38
4 Crop Product Return	67.50	89.27	50.70
5 Other Crop Income			
6 Total Crop Return	67.50	89.27	50.70
7 Direct Costs			
8 Fertilizer	.54		1.07
9 Chemicals			
10 Seed & Other	2.11	2.80	1.49
11 Special Hired Labor			
12 Custom Work Hired	.44	.98	
13 Irrigation Operation			
14 Total Direct Costs	3.09	3.78	2.56
15 Return Over Direct Costs	64.41	85.49	48.14
16 Allocated Costs			
17 Farm P. & Mach. Ownership	11.56	12.00	11.17
18 Farm P. & Mach. Operation	15.32	15.55	15.10
19 Irrigation Eq. Ownership			
20 Land Costs	25.04	26.85	23.23
21 Miscellaneous Costs	.20	.47	
22* Interest on Mach. & Eq. Invest.	3.42	3.11	3.69
23 Total Allocated Costs	55.54	57.98	53.19
24 Return Over All Listed Costs	8.87	27.51	-5.05
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.40	.40	.40
27 Power Costs Allocation Factor	1.01	1.01	1.01
28 Total Listed Cost Per Unit of Prod.	36.24	29.80	44.37
29 Return Over Listed Costs Per Unit	5.48	13.28	-4.00
30 Breakeven Yield/Units of Prod.	1.40	1.43	1.38
31 Total Listed Costs Per Acre	58.63	61.76	55.75
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Expes	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

TABLE 10-0535 CROP DATA FOR LEGUME-GRASS SILAGE - 1977

Item	Average Yield of 39 Farms	19 Farms High In Yield	19 Farms Low In Yield
1 Acres	26.4	20.7	31.6
2 Yield	8.8	13.2	6.0
3 Value Per Production Unit	20.63	20.91	20.27
4 Crop Product Return	182.08	276.76	121.23
5 Other Crop Income			
6 Total Crop Return	182.08	276.76	121.23
7 Direct Costs			
8 Fertilizer	7.46	6.38	8.64
9 Chemicals	.11	.14	.09
10 Seed & Other	7.54	5.02	9.30
11 Special Hired Labor	.23		.41
12 Custom Work Hired	2.01	3.67	1.01
13 Irrigation Operation			
14 Total Direct Costs	17.35	15.21	19.45
15 Return Over Direct Costs	164.73	261.55	101.78
16 Allocated Costs			
17 Farm P. & Mach. Ownership	16.18	19.99	13.66
18 Farm P. & Machinery Operation	14.99	14.51	14.92
19 Irrigation Eq Ownership			
20 Land Costs	30.56	29.37	31.79
21 Miscellaneous Costs			
22* Interest on Mach. & Eq. Investment	4.77	4.30	4.95
23 Total Allocated Costs	66.50	68.17	65.32
24 Return Over All Listed Costs	98.23	193.38	36.46
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.40	.40	.40
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost Per Unit of Prod.	9.50	6.30	14.17
29 Return Over Listed Costs Per Unit	11.13	14.61	6.10
30 Breakeven Yield/Units of Prod.	4.06	3.99	4.18
31 Total Listed Costs Per Acre	83.85	83.38	84.77
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. F. Exp.	-----	-----	-----
33A Buildings, F. & Til Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does not include interest on investment in land.

Table 10 - 0545 CROP DATA FOR GRAIN SILAGE - 1977

Item	Average Yield of 62 Farms	31 Farms High In Yield	31 Farms Low In Yield
1 Acres	18.7	17.3	20.0
2 Yield	5.7	8.6	3.3
3 Value Per Production Unit	14.34	13.35	15.32
4 Crop Product Return	82.03	114.22	50.55
5 Other Crop Income	5.24	2.54	7.60
6 Total Crop Return	\$ 87.27	\$ 116.76	\$ 58.15
7 Direct Costs			
8 Fertilizer	8.50	7.46	9.40
9 Chemicals	.16	.23	.05
10 Seed & Other	6.68	7.34	6.20
11 Special Hired Labor	.43	.98	
12 Custom Work Hired	.91	.92	.85
13 Irrigation Operation			
14 Total Direct Costs	\$ 16.68	\$ 16.93	\$ 16.50
15 Return Over Direct Costs	70.59	99.83	41.65
16 Allocated Costs			
17 Farm Power & Machinery - Ownership	12.87	11.98	13.70
18 Farm Power & Machinery - Operation	13.08	13.68	12.62
19 Irrigation Equipment - Ownership			
20 Land Costs	35.24	36.87	33.61
21 Miscellaneous Costs	.05	.06	.10
22 * Interest on Mach. & Equip. Invest.	3.54	3.65	3.46
23 Total Allocated Costs	\$ 64.78	\$ 66.24	\$ 63.49
24 Return Over All Listed Costs	5.81	33.59	(-21.84)
25 Supplementary Management Infor.			
26 Work Units Assigned Per Acre	.40	.40	.40
27 Power Costs Allocation Factor	.99	.99	.99
28 Total Listed Cost Per Unit of Prod.	14.24	9.72	24.23
29 Return Over Listed Costs Per Unit	1.01	3.93	(-6.61)
30 Breakeven Yield/Units of Prod.	5.68	6.23	5.22
31 Total Listed Costs Per Acre	\$ 81.46	\$ 83.17	\$ 79.99
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.			
33A Buildings, Fences & Tiling Costs			
34 Interest Allocation			
35 Other Costs Not Listed			
36 Total Costs			

* Does Not Include Interest on Investment in Land

TABLE 10-0550 CROP DATA FOR CORN & SORGHUM SILAGE - 1977

Item	Average Yield of 496 Farms	248 Farms High In Yield	248 Farms Low In Yield
1 Acres	28.7	27.9	29.5
2 Yield	13.8	17.4	10.4
3 Value Per Production Unit	16.22	16.24	16.21
4 Crop Product Return	223.80	282.90	168.68
5 Other Crop Income	.59	.07	1.08
6 Total Crop Return	224.39	282.97	169.76
7 Direct Costs			
8 Fertilizer	18.15	20.50	15.93
9 Chemicals	8.22	9.10	7.36
10 Seed & Other	9.09	9.68	8.51
11 Special Hired Labor	.07	.11	.03
12 Custom Work Hired	2.96	3.80	2.20
13 Irrigation Operation			
14 Total Direct Costs	38.49	43.19	34.03
15 Return Over Direct Costs	185.90	239.78	135.73
16 Allocated Costs			
17 Farm Power & Mach. Ownership	18.51	20.79	16.35
18 Farm Power & Mach-Operation	20.12	21.18	19.12
19 Irrigation Eq. Ownership			
20 Land Costs	34.01	37.33	30.70
21 Miscellaneous Costs	.21	.29	.17
22* Interest On Mach. & Eq. Invest.	5.02	5.48	4.59
23 Total Allocated Costs	77.87	85.07	70.93
24 Return Over All Listed Costs	108.03	154.71	64.80
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.60	.60	.60
27 Power Costs Allocation Factor	.98	.98	.98
28 Total Listed Cost Per Unit of Prod.	8.43	7.36	10.08
29 Return Over Listed Costs Per Unit	7.83	8.88	6.23
30 Breakeven Yield/Units of Prod.	7.17	7.90	6.48
31 Total Listed Costs Per Acre	116.36	128.26	104.96
32 Other Possible Costs Not Listed			
33 Utilities, & Other Gen Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not include interest on investment in land.

Table 10 - 0575 CROP DATA FOR TILLABLE GRASS PASTURE

Item	Average Yield of 12 Farms	6 Farms High In Yield	6 Farms Low In Yield
1 Acres			
2 Yield	19.1	18.1	20.2
3 Value Per Production Unit	45.34	83.15	11.24
4 Crop Product Return	1.00	1.00	1.00
5 Other Crop Income	45.34	83.15	11.24
6 Total Crop Return	\$ 45.34	\$ 83.15	\$ 11.24
7 Direct Costs			
8 Fertilizer			
9 Chemicals	6.44	10.06	3.99
10 Seed & Other	1.16	2.87	
11 Special Hired Labor	.22	.55	
12 Custom Work Hired			
13 Irrigation Operation	.04	.11	
14 Total Direct Costs	\$ 7.86	\$ 13.59	\$ 3.99
15 Return Over Direct Costs	37.48	69.56	7.25
16 Allocated Costs			
17 Farm Power & Machinery - Ownership	1.19	1.23	1.16
18 Farm Power & Machinery - Operation	1.12	1.45	.91
19 Irrigation Equipment - Ownership			
20 Land Costs	31.75	41.67	21.83
21 Miscellaneous Costs			
22 * Interest on Mach. & Equip. Invest.	.32	.40	.27
23 Total Allocated Costs	\$ 34.38	\$ 44.75	\$ 24.17
24 Return Over All Listed Costs	3.10	24.81	(-16.92)
25 Supplementary Management Infor.			
26 Work Units Assigned Per Acre	.04	.04	.03
27 Power Costs Allocation Factor	.92	1.00	.83
28 Total Listed Cost Per Unit of Prod.	1.10	.70	3.32
29 Return Over Listed Costs Per Unit	(-.10)	.30	(-2.32)
30 Breakeven Yield/Units of Prod.	45.91	58.34	33.93
31 Total Listed Costs Per Acre	\$ 42.24	\$ 58.34	\$ 28.16
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not Include Interest on Investment in Land

TABLE 10-3275 CROP DATA FOR CORN FOR GRAIN- IRRIGATED- 1977

Item	Average Yield of 45 Farms	22 Farms High In Yield	22 Farms Low In Yield
1 Acres	82.3	86.6	80.0
2 Yield	126.6	143.8	108.0
3 Value Per Production Unit	1.93	1.95	1.92
4 Crop Product Return	244.39	280.35	207.26
5 Other Crop Income	1.42	2.24	.56
6 Total Crop Return	245.81	282.59	207.82
7 Direct Costs			
8 Fertilizer	43.96	48.24	38.31
9 Chemicals	9.87	8.90	10.78
10 Seed & Other	16.11	15.60	16.41
11 Special Hired Labor			
12 Custom Work Hired	5.67	5.77	5.24
13 Irrigation Operation	13.07	13.57	12.09
14 Total Direct Costs	88.68	92.08	82.83
15 Return Over Direct Costs	157.13	190.51	124.99
16 Allocated Costs			
17 Farm Power & Mach. Ownership	17.32	17.14	16.29
18 Farm P. & Mach. Operation	19.50	19.01	19.74
19 Irr. Eq. Ownership	40.95	50.05	30.54
20 Land Costs	26.93	26.91	26.36
21 Miscellaneous Costs	5.32	8.96	1.51
22* Interest on Mach. & Eq. Invest.	4.95	5.61	4.09
23 Total Allocated Cost	114.97	127.68	98.53
24 Return Over all listed Costs	42.16	62.83	26.46
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 Unit of Prod.	1.61	1.53	1.68
29 Return Over Listed Costs Per Unit	.33	.44	.25
30 Breakeven Yield/Units of Prod.	105.52	112.70	94.46
31 Total Listed Costs Per Acre	203.65	219.76	181.36
32 Other Possible Costs Not Listed			
33 Utilities & Other General F. Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----

* Does not include interest on investment in land.

Table 10 - 3400 CROP DATA FOR ALFALFA HAY -- IRRIGATED - 1977

Item	Average Yield of 37 Farms	18 Farms High In Yield	18 Farms Low In Yield
1 Acres			
2 Yield	48.0	44.0	48.1
3 Value Per Production Unit	4.4	5.4	3.5
4 Crop Product Return	48.38	49.17	47.78
5 Other Crop Income	211.67	263.73	165.88
6 Total Crop Return	\$ 211.67	263.73	165.88
7 Direct Costs			
8 Fertilizer			
9 Chemicals	18.19	15.19	20.62
10 Seed & Other	.54	.89	.31
11 Special Hired Labor	8.40	9.66	7.67
12 Custom Work Hired			
13 Irrigation Operation	.48	.48	.56
14 Total Direct Costs	12.35	9.84	14.64
	39.96	36.82	43.80
15 Return Over Direct Costs	171.71	226.91	122.08
16 Allocated Costs			
17 Farm Power & Machinery - Ownership	20.02	22.02	18.23
18 Farm Power & Machinery - Operation	25.20	27.36	21.56
19 Irrigation Equipment - Ownership	38.19	38.39	39.83
20 Land Costs	23.89	28.17	19.83
21 Miscellaneous Costs	.75	1.52	.15
22 *Interest on Mach. & Equip. Invst.	5.83	6.56	5.29
23 Total Allocated Costs	\$ 113.88	\$ 124.02	\$ 104.89
24 Return Over All Listed Costs	57.83	102.89	17.19
25 Supplementary Management Infor.			
26 Work Units Assigned Per Acre	.80	.80	.80
27 Power Costs Allocation Factor	1.00	1.00	1.00
28 Total Listed Cost Per Unit of Prod.	35.17	29.99	42.83
29 Return Over Listed Costs Per Unit	13.21	19.18	4.95
30 Breakeven Yield/Units of Prod.	3.18	3.27	3.11
31 Total Listed Costs Per Acre	\$ 153.84	\$ 160.84	148.69
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. Farm Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not Include Interest on Investment in Land

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

Item	Average Yield of 29 Farms	14 Farms High In Yield	14 Farms Low In Yield
1 Acres	25.6	23.5	26.9
2 Yield	18.1	21.4	15.1
3 Value Per Production Unit	16.66	16.86	16.36
4 Crop Product Return	301.33	361.57	247.55
5 Other Crop Income	1.09		2.19
6 Total Crop Return	302.42	361.57	249.74
7 Direct Costs			
8 Fertilizer	38.44	43.49	34.54
9 Chemicals	9.02	9.57	8.74
10 Seed & Other	10.55	11.87	9.55
11 Special Hired Labor			
12 Custom Work Hired	2.38	2.51	2.45
13 Irrigation Operation	13.44	15.91	10.82
14 Total Direct Costs	73.83	83.35	66.10
15 Return Over Direct Costs	228.59	278.22	183.64
16 Allocated Costs			
17 Farm P. & Mach. Ownership	21.71	24.79	20.03
18 Farm P. & Mach Operation	23.92	27.73	20.24
19 Irr. Eq. Ownership	29.80	34.51	26.95
20 Land Costs	22.55	23.00	21.57
21 Miscellaneous Costs	.51	.51	.52
22* Interest on Mach. & Eq. Invest	5.96	6.05	6.11
23 Total Allocated Costs	104.45	116.59	95.42
24 Return Over All Listed Costs	124.14	161.63	88.22
25 Supplementary Management Information			
26 Work Units Assigned Per Acre	.80	.80	.80
27 Power Costs Allocation Factor	1.00	1.00	.99
28 Total Listed Cost Per Unit of Prod.	9.86	9.33	10.67
29 Return Over Listed Costs Per Unit	6.86	7.53	5.83
30 Breakeven Yield/Units of Prod.	10.70	11.86	9.87
31 Total Listed Costs Per Acre	178.28	199.94	161.52
32 Other Possible Costs Not Listed			
33 Utilities & Other Gen. F. Exp.	-----	-----	-----
33A Buildings, Fences & Tiling Costs	-----	-----	-----
34 Interest Allocation	-----	-----	-----
35 Other Costs Not Listed	-----	-----	-----
36 Total Costs	-----	-----	-----

* Does Not include Interest on investment in land.

Table 11A - 6470 COSTS AND RETURNS FROM HOGS, FARROW, FINISH, GENERAL - 1977

Item	Average of 116 Farms	23 Farms High In Return Above Feed	23 Farms Low In Return Above Feed
1 Pounds of Hogs Prod.-Total	61462	35895	36503
		<u>Per Hundred Weight</u>	
2 Net Increase in Value of Hogs	43.64	57.40	37.77
3 Other Misc. Hog Income			
4 Total Value Produced	\$ 43.64	\$ 57.40	\$ 37.77
5 Pounds of Feed Fed			
6 Corn	263.7	284.5	356.9
7 Small Grain	27.1	46.2	48.4
8 Complete Ration	102.2	148.4	145.3
9 Protein, Salt & Min. & Milk	64.2	97.3	75.3
10 Total Concentrates	\$ 457.2	\$ 576.4	\$ 625.9
11 Forages	2.7	4.0	2.4
12 Feed Cost			
13 Grains	10.29	11.64	14.44
14 Complete Ration	6.40	2.24	11.99
15 Protein, Salt & Min., & Milk	8.30	9.78	8.14
16 Forages	.08	.09	.06
17 Pasture			
18 Total Feed Costs	\$ 25.07	\$ 23.75	\$ 34.63
19 Return Over Feed Costs	18.57	33.65	3.14
20 Other Direct Costs			
21 Miscellaneous Livestock Exp.	.91	1.49	.64
22 Veterinary Expense	.46	.66	.45
23 Custom Work	.48	.71	.14
24 Special Hired Labor	.07	.21	
25 Total Other Direct Costs	1.92	3.07	1.23
26 Return Over Feed & Other Direct Costs	16.65	30.58	1.91
27 Allocated Costs			
28 Power & Machinery Costs	1.05	1.40	1.41
29 Livestock Equip. Costs	1.31	1.32	1.55
30 Building & Fences	1.34	1.54	1.69
31 Total Allocated Costs	\$ 3.70	\$ 4.26	\$ 4.38
32 Return Over All Listed Costs	12.95	26.32	(-2.47)
33 Supplementary Management Infor.			
34 Return For \$100 Feed Fed	174.05	241.69	109.08
35 Price Recd. Per CWT All Animals	42.02	49.85	42.72
36 Price Recd. Per CWT Sold Mkt. Only	42.36	46.45	42.68
37 Number of Litters Farrowed	41	35	29
38 Number of Pigs Born Per Litter	9.8	10.5	8.5
39 Number of Pigs Weaned Per Litter	7.7	8.5	6.2
40 Percent Death Loss	15.1	14.9	15.5
41 Avg. Weight of All Hogs Sold	191.0	131.0	171.9
42 Avg. Weight of Mkt. Hogs Sold	225.2	212.5	232.4
43 Price Per Cwt. Conct. Fed	5.47	4.10	5.52
44 Price Per Cwt. Prot., Salt, Min.	12.94	10.05	10.81
45 Pounds of Pork Purchased	3612	3413	7963
46 Total Listed Costs Per Cwt. P.P.	30.69	31.08	40.24
47 Utilities & Other Gen. Farm Exp.	-----	-----	-----
48 Interest Allocation	-----	-----	-----
49 Other Costs Not Listed	-----	-----	-----
50 Total Costs	-----	-----	-----

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 5000 lbs. were not included.

TABLE 11B 6490 COSTS AND RETURNS FROM HOGS, FINISHING - 1977

Item	Average of 94 Farms	19 Farms	19 Farms
		High In Return Above Feed	Low In Return Above Feed
1 Ave. No. of Pigs on Hand	139.2	153.4	105.3
2 Pounds of Hogs Prod.	62571	65939	47286
	<u>Per Hundred Weight</u>		
3 Net Increase in Value of Hogs	32.65	36.64	29.27
4 Other Mis. Hog Income			
5 Total Value Produced	32.65	36.64	29.27
6 Pounds of Feed Fed			
7 Corn	220.9	134.5	257.7
8 Small Grain	26.3	19.6	72.3
9 Complete Ration	94.6	152.8	88.7
10 Protein, Salt & Min. & Milk	44.0	23.7	65.1
11 Total Concentrates	385.8	330.6	483.8
12 Forages	.2		
13 Feed Cost			
14 Grains	8.87	5.52	11.45
15 Complete Ration	6.52	9.90	5.84
16 Protein, Salt & Min. & Milk	5.92	3.35	8.60
17 Forages			
18 Pasture			
19 Total Feed Costs	21.31	18.77	25.89
20 Return Over Feed Costs	11.34	17.87	3.38
21 Other Direct Costs			
22 Mis. Livestock Exp.	.32	.40	.38
23 Veterinary Expense	.28	.47	.28
24 Custom Work	.72	.38	.89
25 Special Hired Labor			
26 Total Other Direct Costs	1.32	1.25	1.55
27 Return Over Feed & Other Direct Costs	10.02	16.62	1.83
28 Allocated Costs			
29 Power & Mach. Costs	.82	.46	1.43
30 Livestock Eq. Costs	1.14	1.06	1.31
31 Building & Fences	1.38	.85	1.61
32 Total Allocated Costs	3.34	2.37	4.35
33 Return Over All Listed Costs	6.68	14.25	(-2.52)
34 Supplementary Management Infor.			
35 Return For \$100 Feed Fed	153.23	195.19	113.05
36 Price Recd. Per CWT.	41.46	44.60	40.77
37 Avg. Weight of Pigs Sold	222.7	226.9	216.6
38 Avg. Price Pd Per Pig Bought	35.42	30.27	37.90
39 Avg. Weight Per Pig Bought	42.4	40.4	43.5
40 No. of Pigs Purchased	246	201	279
41 No. Pigs Transferred In	120	147	29
42 Avg. Weight of Pigs Trans. In	44.9	44.5	40.8
43 Pounds of Pork Purchased	10419	8121	12135
44 Percent Death Loss	3.0	3.8	3.9
45 Price Per CWT. Cont. Fed	5.52	5.68	5.35
46 Price Per CWT. P., S., Min. Fed	13.46	14.13	13.20
47 Effective Daily Gain-Lbs. Per Day Per Pig	1.23	1.18	1.23
48 Total Listed Cost Per CWT Pork Prod.	25.97	22.39	31.79
49 Utilities & Othe Gen. Farm Exp.	-----	-----	-----
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 - 1977

Item	Average of 109 Farms	22 Farms High In Return Above Feed	22 Farms Low In Return Above Feed
1 Numbers of Litters Farrowed	61	51	56
2 Net Increase in Value of Hogs	301.61	<u>Per Litter</u> 478.51	214.09
3 Other Miscellaneous Weaning Pigs Inc.			
4 Total Value Produced	301.61	478.51	214.09
5 Pounds of Feed Fed			
6 Corn	1040.3	1648.5	931.5
7 Small Grain	319.1	487.4	209.4
8 Complete Ration	853.1	952.2	1399.8
9 Prot., Salt & Min., & Milk	392.5	406.5	318.8
10 Total Concentrates	2605.0	3494.6	2859.5
11 Forages	115.6	41.4	28.9
12 Feed Costs			
13 Grains	50.33	78.73	41.91
14 Complete Ration	54.92	59.29	97.95
15 Prot., Salt, Mineral, & Milk	41.11	46.31	38.79
16 Forages	1.36	.86	.71
17 Pasture	.13		.05
18 Total Feed Costs	147.85	185.19	179.41
19 Return Over Feed Costs	153.76	293.32	34.68
20 Other Direct Costs			
21 Miscel. Livestk. Expense	9.23	10.76	11.70
22 Veterinary Exp.	7.72	7.98	11.36
23 Custom Work	3.07	6.12	2.14
24 Special Hired Labor			
25 Ttl. Other Direct Costs	20.02	24.86	25.20
26 Return Over Feed & Other Direct Costs	133.74	268.46	9.48
27 Allocated Costs			
28 Power & Mach. Costs	13.84	15.95	10.60
29 Livestk. Equip. Costs	16.38	20.44	15.45
30 Bldg. & Fences	14.06	15.10	10.39
31 Total Allocated Costs	44.28	51.49	36.44
32 Return Over All Listed Costs	89.46	216.97	(-26.96)
33 Supplementary Management Infor.			
34 Return For \$100 Feed Fed	203.99	258.38	119.33
35 Avg. Price Recd. Per Animal Sold	47.37	51.92	48.48
36 Avg. Price Per Pig Sold or Trans.	38.97	45.11	36.91
37 Avg. Weight Per Pig Sold or Trans.	53.7	78.8	48.6
38 No. of Pigs Produced	435	422	358
39 No. of Pigs Born Per Litter	9.3	10.4	8.9
40 No. of Pigs Weaned Per Litter	7.3	8.6	6.5
41 Percent Death Loss	18.3	15.6	20.3
42 Price Per CWT. Conct. Fed	5.63	5.27	6.25
43 Price Per CWT. P., S., Min. Fed	10.48	11.39	12.17
44 Feed & Sup. Costs Per Pig Prod.	23.54	25.39	32.01
45 Total Listed Costs Per Litter	212.15	261.54	241.05
46 Utilities & Other Gen. Farm Exp.	-----	-----	-----
47 Interest Allocation	-----	-----	-----
48 Other Costs Not Listed	-----	-----	-----
49 Total Costs	-----	-----	-----

Table 12 - 6290 DAIRY COWS, COMMERCIAL, GENERAL - 1977

Item	Average of 348 Farms	70 Farms High In Return Above Feed	70 Farms Low In Return Above Feed
1 Average Number of Cows	42.3	43.8	41.8
2 Pounds of Milk	12882	Per Cow 15505	9418
3 Pounds of Butterfat	476.8	542.5	339.0
4 Percent of Butterfat in Milk	3.7	3.5	3.6
5 Value of Produce			
6 Dairy Products Sold	1122.65	1346.85	789.56
7 Dairy Products Used in Home	7.68	12.76	5.36
8 Milk Fed to Livestock	9.74	15.14	6.34
9 Net Increases in Value of Cows	(-31.73)	(-.11)	(-44.19)
10 Other Miscel. Dairy Income	.02	.09	
11 Total Value Produced	1108.36	1374.73	766.07
12 Pounds of Feed Fed			
13 Corn	3335.9	1829.5	2511.2
14 Small Grain	812.6	791.1	736.6
15 Complete Ration	746.0	628.1	884.2
16 Protein, Salt & Mineral	842.6	883.6	653.9
17 Total Concentrates	5737.1	6132.3	4785.9
18 Legume Hay	5451.8	5853.2	5815.5
19 Other Hay & Dry Roughage	191.8	239.9	218.0
20 Silage	13971.0	13311.3	12529.5
21 Feed Costs			
22 Grains	157.19	172.65	123.16
23 Complete Ration	48.87	42.47	56.39
24 Protein, Salt & Mineral	95.70	100.57	79.86
25 All Hay & Dry Roughage	144.07	151.03	153.13
26 Silage	119.53	106.26	107.63
27 Pasture	2.10	2.42	3.40
28 Total Feed Costs	567.46	575.40	523.57
29 Return Over Feed Costs	540.90	799.33	242.50
30 Other Direct Costs			
31 Miscel. Livestock Exp.	43.83	54.75	30.48
32 Veterinary Expense	15.01	19.41	10.57
33 Custom Work Hired	30.73	34.04	21.84
34 Special Hired Labor	.33		
35 Total Other Direct Costs	89.90	108.20	62.89
36 Return Over Feed & Other Direct Costs	451.00	691.13	179.61
37 Allocated Costs			
38 Power & Mach. Costs	43.26	49.49	34.06
39 Livestock Equip. Costs	40.20	46.23	25.62
40 Bldg. & Fences	48.80	58.58	35.23
41 Total Allocated Costs	132.26	154.30	94.91
42 Return Over All Listed Costs	318.74	536.83	84.70
43 Supplementary Mgmt. Infor.			
44 Return For \$100 Feed Fed	195.32	238.91	146.32
45 Feed Cost Per CWT. Milk	4.40	3.71	5.56
46 Feed Cost Per Pound of Butterfat	1.20	1.05	1.55
47 Pounds of Milk Per Lb. of Conct.	2.25	2.53	1.97
48 Avg. Price Per CWT. Milk Sold	8.83	8.82	8.59
49 Avg. Price Per Lb. of Butterfat	2.41	2.49	2.39
50 Ttl. Listed Costs Per CWT. Milk Prod.	6.13	5.40	7.23
51 Dairy Cow Turnover Percentage	33.1	36.5	28.7
52 Tt. Listed Costs Per Cow	789.62	837.90	681.37
53 Utilities & Other Gen. Farm Exp.	-----	-----	-----
54 Interest Allocation	-----	-----	-----
55 Other Costs Not Listed	-----	-----	-----

Table 13 - 6310 OTHER DAIRY, REPLACEMENTS - 1977

Item	Average of 348 Farms	70 Farms High In Return Above Feed	70 Farms Low In Return Above Feed
1 Number of Head	49.8	40.8	44.8
2 Net Increase in Value	191.49	Per Head 281.50	121.21
3 Other Miscel. Income			
4 Total Income	191.49	281.50	121.21
5 Pounds of Feed Fed			
6 Corn	576.2	587.3	776.0
7 Small Grain	203.1	183.9	334.1
8 Complete Ration	32.0	24.4	36.0
9 Protein, Salt & Minerals	143.8	113.6	184.0
10 Hay & Dry Roughage	2165.9	1773.1	2730.8
11 Silage	6379.4	5166.4	7471.6
12 Milk	80.8	61.4	118.0
13 Feed Cost			
14 Grains	28.96	26.74	41.38
15 Complete Ration	2.43	2.18	2.12
16 Protein, Salt, & Mineral	17.69	15.81	23.04
17 Hay & Dry Roughage	50.20	39.63	64.53
18 Silage	54.64	41.50	64.96
19 Milk	7.71	5.29	11.29
20 Pasture	2.63	2.01	3.77
21 Total Feed Costs	164.26	133.16	211.09
22 Return Over Feed Costs	27.23	148.34	(-89.88)
23 Other Direct Costs			
24 Miscellaneous Expense	5.00	4.53	3.97
25 Veterinary Expense	1.59	1.84	1.85
26 Custom Work Hired	1.55	1.67	1.67
27 Special Hired Labor	.26		
28 Total other Direct Costs	8.40	8.04	7.49
29 Return Over Feed & Other Direct Costs	18.83	140.30	(-97.37)
30 Allocated Costs			
31 Power & Machinery Costs	7.99	10.17	8.75
32 Livestock Equipment Costs	7.34	8.56	7.80
33 Building & Fences	9.19	10.14	7.81
34 Total Allocated Costs	24.52	28.87	24.36
35 Return Over All Listed Costs	(-5.69)	111.43	(-121.73)
36 Supplementary Mgmt. Information			
37 Return For \$100 Feed Fed	116.58	211.39	57.42
38 Percent Death Loss - Total	9.5	8.6	11.2
39 Percent Calf Death Loss	19.5	18.4	25.0
40 Total Listed Costs Per Head	197.18	170.07	242.94
41 Utilities & Other Farm Exp.	-----	-----	-----
42 Interest Allocation	-----	-----	-----
43 Other Costs Not Listed	-----	-----	-----
44 Total Costs	-----	-----	-----

OTHER DAIRY CATTLE includes all young dairy animals that are not in the milking herd. On some farms where only a few dairy steers are fed out with young stock, they are also included in Other Dairy Cattle.

Dairy herds with less than 10 cows were not included in the averages.

Table 14 - ALL DAIRY & DUAL PURPOSE CATTLE - 1977

Item	Average of 348 Farms	70 Farms High In Return Above Feed	70 Farms Low In Return Above Feed
1 Average Number of Cows	42.2	42.2	43.8
		Per Cow	
2 Value of Dairy Products	1142.39	1355.92	841.76
3 Net Increase in Value	196.78	313.39	113.15
4 Miscellaneous Dairy Income	.02	.09	
5 Total Value Produced	1339.19	1669.40	954.91
6 Pounds of Feed Fed			
7 Grains	5074.5	5774.1	4425.6
8 Complete Rations	810.9	652.6	995.3
9 Prot., Salt, Min., Inc. Milk Equiv.	1032.1	1043.4	797.3
10 Hay & Dry Roughage	8191.2	8432.2	8760.4
11 Silage	21545.0	20745.0	18806.5
12 Feed Cost			
13 Grains	191.80	209.43	167.47
14 Complete Rations	53.36	45.83	62.37
15 Prot., Salt & Min., Inc. Milk	127.09	133.89	97.58
16 Hay & Dry Roughage	203.46	207.06	213.65
17 Silage	184.72	172.94	161.03
18 Pasture Costs	5.31	5.62	5.64
19 Total Feed Costs	765.74	774.77	707.74
20 Return Over Feed Costs	573.45	894.63	247.17
21 Other Direct Costs			
22 Miscellaneous Livestock Expense	50.55	63.91	34.06
23 Veterinary Expense	17.13	21.37	11.42
24 Custom Work	32.89	38.84	25.07
25 Special Hired Labor	.69		
26 Total Other Direct Costs	101.26	124.12	70.55
27 Return Over Feed & Other Direct Costs	472.19	770.51	176.62
28 Allocated Costs			
29 Power & Machinery Costs	51.93	58.08	42.16
30 Livestock Equipment Costs	48.13	54.19	35.35
31 Building & Fences	59.02	57.47	43.47
32 Total Allocated Costs	159.08	169.74	120.98
33 Return Over all Listed Costs	313.11	600.77	55.64
34 Supplementary Management Information			
35 Return for \$100 Feed Fed	174.89	215.47	134.92
36 Total Listed Costs Per Cow	1026.08	1068.63	899.27
37 Utilities & Other Gen. F. Exp.	-----	-----	-----
38 Interest Allocation	-----	-----	-----
39 Other Costs Not Listed	-----	-----	-----
40 Total Costs	-----	-----	-----

Table 15A - BEEF BREEDING - 6020 FARM/COMM/GENERAL, COW HERD - 1977

Item	Average of 52 Farms
1 Average Number of Beef Cows	29.6
2 Average No of Other Beef Animals & Bulls	23.4
3 Pounds of Beef Produced	12558
4 Net Increase in Value	187.84
5 Other Miscellaneous Beef Income	
6 Total Value Produced	187.84
7 Pounds of Feed Fed	
8 Grain	304.4
9 Protein, Salt & Mineral	199.0
10 Legume Hay	2622.8
11 Other Hay & Dry Roughage	1406.7
12 Silage	5800.8
13 Feed Cost	
14 Grain	9.76
15 Protein, Salt & Mineral	16.42
16 Legume Hay	62.91
17 Other Hay & Dry Roughage	15.24
18 Silage	46.93
19 Pasture	30.41
20 Total Feed Costs	181.67
21 Return Over Feed Cost	6.17
22 Other Direct Costs	
23 Miscellaneous Livestock Expense	5.17
24 Veterinary Expense	6.59
25 Custom Work	2.87
26 Special Hired Labor	
27 Total Other Direct Costs	14.63
28 Return Over Feed & Other Direct Costs	-8.46
29 Allocated Costs	
30 Power & Machinery Costs	10.59
31 Livestock Equipment Costs	18.53
32 Building & Fences	13.58
33 Total Allocated Costs	42.70
34 Return Over All Listed Costs	-51.16
35 Supplementary Management Information	
36 Return for \$100 Feed Fed	103.40
37 Price Per CWT. Sold	34.16
38 Price Per CWT. Calves Sold or Transferred	38.13
39 Average Weight Per Head Sold	613.9
40 Average Weight Per Calf Sold or Transferred	368.8
41 Percent Death Loss	3.8
42 Percent Calf Crop	96.3
43 Total Listed Costs Per Cow	239.00
44 Utilities & Other Gen. F. Exp.	-----
45 Interest Allocation	-----
46 Other Costs Not Listed	-----
47 Total Costs	-----

Farms with less than 10 beef cows were not included in the averages.

TABLE 15B BEEF FEEDERS 6140 FEEDLOT - 1977

Item	Average of 108 Farms	22 Farms High In Return Above Feed	22 Farms Low In Return Above Feed
1 Average Number of Beef Feeders	54.2	42.4	43.7
2 Pounds of Beef Produced	34975	28320	24144
	<u>Per Hundred Weight</u>		
3 Net Increase In Value of Animals	42.78	47.36	34.08
4 Other Miscellaneous Beef Income	.11		
5 Total Value Produced	42.89	47.36	34.08
6 Pounds of Feed Fed			
7 Grain	460.7	394.7	602.6
8 Protein, Salt & Mineral	42.1	40.1	34.4
9 Legume Hay	200.6	115.2	474.4
10 Other Hay & Dry Roughage	68.0	21.5	34.9
11 Silage	1155.2	1682.4	1741.1
12 Feed Cost			
13 Grain	16.88	13.73	22.16
14 Protein, Salt & Mineral	4.06	4.05	3.61
15 Legume Hay	5.06	2.18	14.10
16 Other Hay & Dry Roughage	.56	.24	.44
17 Silage	9.31	13.59	14.76
18 Pasture	.19	.17	.56
19 Total Feed Costs	36.06	33.96	55.63
20 Return Over Feed Cost	6.83	13.40	-21.55
21 Other Direct Costs			
22 Miscellaneous Livestock Expense	.60	.64	.86
23 Veterinary Expense	.43	.20	.30
24 Custom Work Hired	1.09	.76	.82
25 Special Hired Labor	.03		
26 Total Other Direct Costs	2.15	1.60	1.98
27 Return Over Feed & Other Direct Costs	4.68	11.80	-23.53
28 Allocated Costs			
29 Power & Machinery Costs	1.58	1.86	2.65
3030 Livestock Eq. Costs	2.01	2.80	2.62
31 Buildings & Fences	2.07	1.60	3.57
32 Total Allocated Costs	5.66	6.26	8.84
33 Return Over All Listed Costs	-.98	5.54	-32.37
34 Supplementary Management Information			
35 Return for \$100 Feed Fed	118.95	139.45	61.27
36 Price Per CWT. Sold	37.83	40.55	35.38
37 Ave. Weight Per Head Sold	1039.3	1041.0	986.2
38 Price Per Cwt. Bought	39.23	37.28	39.52
39 Ave. Weight Per Head Bought	589.3	516.7	576.3
40 Number of Head Bought	64	38	33
41 Percent Death Loss	1.6	1.1	1.1
42 Eff. Daily Gain-Pounds per Head Per Day	1.77	1.83	1.51
43 Total Listed Cost Per CWT. Prod.	43.87	41.82	66.45
44 Utilities & Other General Farm Expense	-----	-----	-----
45 Interest Allocation	-----	-----	-----
46 Other Costs Not Listed	-----	-----	-----
47 Total Costs	-----	-----	-----

Farms Producing less than 5000 lbs. of beef were not included in the averages.

TABLE 16A - 6670 SHEEP, FARM, COMMERCIAL - 1977

Item	Average
1 Average Number of Ewes	48.4
2 Pounds of Lamb & Mutton Produced	5619
3 Pounds of Wool Produced	500
4 Value of Produce	Per Ewe
5 Wool	6.94
6 Net Increase in Value of Animals	49.24
7 Other Miscellaneous Sheep Income	.02
8 Total Value Produced	56.20
9 Pounds of Feed Fed	
10 Grain	278.6
11 Protein, Salt & Mineral	32.8
12 Legume Hay	921.5
13 Other Hay & Dry Roughage	28.9
14 Silage	132.2
15 Feed Cost	
16 Grain	12.71
17 Protein, Salt & Mineral	3.35
18 Legume Hay	25.02
19 Other Hay & Dry Roughage	.43
20 Silage	1.07
21 Pasture	1.84
22 Total Feed Costs	44.42
23 Return Over Feed Costs	11.78
24 Other Direct Costs	
25 Miscellaneous Livestock Expense	2.67
26 Veterinary Expense	.91
27 Custom Work	2.05
28 Special Hired Labor	.19
29 Total Other Direct Costs	5.82
30 Return Over Feed & Other Direct Costs	5.96
31 Allocated Costs	
32 Power & Machinery Costs	6.64
33 Livestock Equipment Costs	4.99
34 Building & Fences	3.31
35 Total Allocated Costs	14.94
36 Return Over All Listed Costs	-8.98
37 Supplementary Management Information	
38 Return For \$100 Feed Fed	126.51
39 Price Per CWT. Lamb & Mutton Sold	46.11
40 Price Per CWT. Lamb Sold Or Transferred	47.46
41 Ave. Weight of Lambs Sold or Transferred	101.7
42 Pounds of Wool Per Sheep Sheared	14.3
43 Number of Ewes Kept for Lambing	43
44 Percent Lamb Crop	141.9
45 Percent Death Loss	9.2
46 Total Listed Costs Per Ewe	65.18
47 Utilities & Other Gen. F. Exp.	-----
48 Interest Allocation	-----
49 Other Costs Not Listed	-----
50 Total Costs	-----

TABLE 17A - 6240 CHICKENS, LAYING FLOCK, COMMERICAL - 1977

ITEM	AVERAGE
1 Average Number of Hens	3549.2
2 Value of Produce	<u>Per Hen</u>
3 Eggs Sold & Used	9.26
4 Increase in Value of Flock	-1.79
5 Other Miscellaneous Flock Income	
6 Total Value Produced	7.47
7 Pounds of Feed Fed	
8 Grain	23.6
9 Complet Commerical Feed	46.5
10 Protein, Salt & Mineral	10.1
11 Total Pounds of Feed	80.2
12 Total Feed Costs	5.15
13 Return Over Feed Cost	2.32
14 Other Direct Costs	.37
15 Return Over Feed & Other Direct Costs	1.95
16 Allocated Costs	
17 Power & Machinery Costs	.33
18 Livestock Equipment Costs	.19
19 Building & Fences	.36
20 Total Allocated Cost	.88
21 Return Over All Listed Costs	1.07
22 Supplementary Management Information	
23 Return for \$100 Feed Fed	145.14
24 Eggs Laid Per Hen	232.7
25 Price Per Dozen Eggs Sold	.48
26 Feed Cost Per Dozen Eggs	.27
27 Return Over Feed Costs Per Dozen Eggs	.12
28 Percent Death Loss	4.9
29 Total Listed Costs Per Hen	6.40
30 Utilities & Other General Farm Expense	-----
31 Interest Allocation	-----
32 Other Costs Not Listed	-----
33 Total Costs	-----

SUMMARY OF MISCELLANEOUS ITEMS BY YEARS

Item	1973	1974	1975	1976	1977	Your Farm
Number of records	704	774	750	785	940	
Avg. Labor Earnings	43,361	21,161	6,708	-273	15,232	
Total Farm Sales	96,821	79,562	78,402	67,897	63,095	
Total Cash Opr. Expense	35,206	38,564	44,966	36,352	45,959	
<u>Return Over \$100 Feed Fed</u>						
Dairy Cows	204	160	155	182	195	
Feeder Cattle	150	80	133	96	119	
Hogs, Finishing	214	128	186	120	153	
Laying Hens	170		129	142	145	
<u>Miscellaneous Livestock Information</u>						
Number of dairy cows herd	31.5	34.8	37.2	33.5	42.3	
Pounds of Feeder Cattle Prod.	60,407	51,165	51,003	39,640	34,975	
Pounds Pork Produced	60,028	59,229	59,191	67,916	62,571	
Pounds Butterfat/Cow	444.3	492.2	412.4	435.8	476.8	
Eggs Per Hen	229		228	228	232	
<u>Prices Received Per:</u>						
CWT. Milk Cold	6.36	7.55	7.53	8.70	8.83	
CWT. Fat Cattle	42.69	40.24	40.93	37.48	57.83	
CWT. Hogs	40.94	34.54	48.88	42.62	41.46	
Dozen Eggs Sold	.46	.36	.38	.43	.48	
<u>Price of Feed:</u>						
Corn, Bushel	1.70	3.20	2.39	2.45	1.92	
Oats, Bushel	.90	1.30	1.48	1.41	1.00	
Alfalfa Hay/Ton	30.00	55.00	50.00	60.00	45.00	
Corn Silage/Ton	12.00	18.00	16.00	18.00	16.00	
<u>Yields Per Acre:</u>						
Oats, Bushels	67.5	56.1	61.1	39.9	74.4	
Corn Grain, Bushels	97.0	63.2	52.6	44.4	92.4	
Canning Corn	73.6	163.3	128.9	68.5	139.5	
Soybeans, Bushels	31.9	22.7	27.1	16.0	33.9	
Corn Silage, Tons	13.2	9.6	9.7	7.2	13.8	
Alfalfa Hay, Tons	3.6	3.6	3.1	1.9	3.4	
Wheat, Bushels	42.3	37.5	34.0	26.0	50.1	
Barley, Bushels	50.2	42.0	46.1	29.7	61.5	

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've 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.

	This Year	Later
FOR A PROFITABLE FARM BUSINESS:		
FOR SATISFYING LIVING:		
FOR DEVELOPMENT OF FAMILY MEMBERS:		
FOR LONG-TERM FINANCIAL SECURITY:		