

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
http://ageconsearch.umn.edu
aesearch@umn.edu

Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.

1952 ANNUAL REPORT

SOUTHWESTERN MINNESOTA FARM MANAGEMENT SERVICE

UNIVERSITY OF MINNESOTA

Institute of Agriculture and UNITED STATES DEPARTMENT OF AGRICULTURE

Bureau of Agricultural Economics and the County Extension Services of

Cottonwood, Faribault, Jackson, Martin, Murray, Nobles, Redwood, Rock, and Watonwan Counties

and the

Southwest Minnesota Farm Management Association Cooperating

- - - 0 - - -

Report No. 207
Department of Agricultural Economics
Institute of Agriculture
St. Paul 1, Minnesota
April, 1953

1952 ANNUAL REPORT OF THE SOUTHWEST MINNESOTA FARM MANAGEMENT SERVICE

Prepared by T. R. Nodland and G. A. Pond

INDEX

ignade de la compactación de la co	Tase
Introduction	. 1
Summary of Farm Inventories	. 3
Summary of Farm Earnings (Cash Statement)	. 4
Summary of Farm Earnings (Enterprise Statement)	• 5
Net Worth Statement	. 6
Summary of Farm Earnings by Tenure	• 7
Household and Personal Expenses	. 8
Family Living from the Farm	• 9
Cumulative Effect of Excelling in a Number of Management Factors	. 9
Measures of Farm Organization and Management Efficiency	. 10
Thermometer Chart	. 11
Distribution of Acres in Farm and Yield of Crops	. 12
Average Price of Feeds	. 13
Power and Machinery Expense Per Crop Acre	. 13
Total Feed Costs and Returns from Your Livestock Enterprises	. 13
Feed Costs and Returns from Hogs	. 14
Feed Costs and Returns from Beef Cattle	. 15
Feed Costs and Returns from Dairy and Dual Purpose Cows	. 16
Feed Costs and Returns from Other Dairy and Dual Purpose Cattle	. 17
Feed Costs and Returns from All Dairy and Dual Purpose Cattle	. 17
Feed Costs and Returns from a Farm Flock of Sheep	. 18
Feed Costs and Returns from Feeder Lambs	. 18
Feed Costs and Returns from Chickens	. 19
Feed Costs and Returns from Laying Hens	. 19
Feed Costs and Returns from Chicks	. 20
Explanation of "Work Units"	. 20
Summary of Farm Earnings by Years, 1940-1952	. 21
Summary of Miscellaneous Items by Years, 1940-1952	. 23

INTRODUCTION

The Department of Agricultural Economics and the Agricultural Extension Service of the University of Minnesota, the Bureau of Agricultural Economics of the United States Department of Agriculture and the county extension services of several southwestern Minnesota counties are cooperating with the Southwest Minnesota Farm Management Association in maintaining a farm management service. The Association was organized in the fall of 1939 by farmers in that part of the state for the purpose of studying the farm business through farm records. Each farmer pays an annual fee which covers a part of the cost. The balance of the cost is defrayed by the University of Minnesota and the United States Department of Agriculture.

The analysis of the records and the preparation of the report are handled by the Department of Agricultural Economics under the direction of G. A. Pond and T. R. Nodland. Extension work in connection with the project is handled by S. B. Cleland of the Agricultural Extension Service. David S. Johnson was the field agent for this project until April 1 and was followed by Harlund Routhe on August 1. At the end of the year, S. A. Engene, Niels Rorholm and R. B. Zoller of the Department of Agricultural Economics aided in closing

the records. County agricultural extension agents who cooperate in this project include H. J. Vossen, Fred Geisler, Raymond W. Palmby, Milton Brown, R. J. Clifford, A. B. Hagen, Ross Huntsinger, J. I. Swedberg, Howard Newell, Gregory D. Luehr, and John Ankeny.

The officers for the Southwest Farm Management Association of 1952 were:

President: Delmar Soderholm, Reading, Nobles county

Vice-president: Jacob Sells, Beaver Creek, Rock county

Secretary-Treasurer: Arthur Foster, Garvin, Murray county

The board of directors include these officers and also the following: Walter Schmotzer, Cottonwood county; Orval Paschke, Faribault county; George Rentschler and Steve Rubis, Jackson county; Donald Jensen, Martin county; Handley Richardson, Murray county; Walter Strom and Kenneth Hansberger, Nobles county; and Anton Johnson and Leonard Larson, Redwood county.

The following tabulation shows by counties the number of members who completed records in 1952.

Cottonwood Faribault Jackson	15 18	Martin Murray Nobles	7 19 40	Redwood Rock Watonwan	21 6 <u>3</u> 133
				Total	⊥ 22

In the tables on page 3 and succeeding pages are shown data for 118 farms. Eleven farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis. Four records were not returned for analysis following completion of income tax schedules.

Because the farmers included in this study are, in general, above the average in managerial ability and operate larger and more productive farms, they have returns materially higher than the average for this section of the state. There were, nevertheless, wide variations in the methods and practices followed by these men. It is reasonable to assume that similar variations occur among all farmers in the area. To the extent that this is true, this report should be of value to all farmers and to others interested in agriculture in that it illustrates how farm records may be used as a basis for making an analysis of a farm business and for improving the management of a farm.

The operator's labor earnings were approximately \$1,000 less in 1952 than in 1951. Part of this decrease is due to the lower value of beef cattle and sheep on the ending inventory as compared to the beginning. This fact is reflected in tables 1 to 3 and table 9. The data in these tables show that some farmers with rather large beef cattle enterprises were in the low earnings group.

The data in table 9 illustrates the importance of efficiency of operation. The one-fifth of the farms lowest in earnings maintained an average of 96 animal units; their return per \$100 of feed consumed was 90 per cent of the average. The one-fifth of the farms highest in earnings maintained approximately the same total number of animal units. Their return per \$100 of feed consumed, however, was 10 per cent above the average. A large size of business when efficently operated is a profitable one under most circumstances. However, under adverse price conditions or when inefficiently operated a large business may produce low earnings.

Table 1. Summary of Farm Inventories, 1952*

	77	- C	A	770
rangan da kabupatèn kacamatan da kabupatèn da kabupatèn da kabupatèn da kabupatèn da kabupatèn da kabupatèn da Mangan da kabupatèn		r farm Dec. 31		118 farms
Items	Jan. 1	Dec. 3T	Jan. 1	Dec. 31
Size of farm (acres)			260	
Size of business (work units)**	And the second section of the section of the second section of the section of the second section of the section of th		5 15	
Size of pustuess (Mork outres).			J - J	
Dairy and dual purpose cows			\$ 831	\$ 941
Other dairy & dual purpose cattle		determination, minute depth	727	667
Beef cattle (incl. feeders)	And the second s		7,182	6,929
Hogs	Dept. Apple segmenter vecas Parallé voltable	regionarily universe furnishing of particular states of \$1990.	3,188	2,544
Sheep (including feeders)	Water Code Property of the Code of the Cod	Standard Company of Control of the C	937	650
Poultry (including turkeys)	· · · · · · · · · · · · · · · · · · ·	***************************************	249	271
Productive livestock (total)	***************************************		13,114	12,002
Horses		***************************************	39	29
Crop, seed and feed	- Manufacturally safety of the selection	toniga (analygranus) separational (breed)	6,255	8 ,21 9
Power mach. (farm share)	magness**acpresscrengt*****	Secured and control of the second security.	3,479	3,383
Crop and general machinery	and supplies the supplies that the supplies that	destroy destroy destroy de serve and an establish	4,366	4,401
Livestock equipment and supplies	Compagning (in and columns is \$100 mC)	And the second s	630	629
Machinery & equipment (total)		· · · · · · · · · · · · · · · · · · ·	8,475	8, 413
	designation of the second second second		10,784	11,220
Buildings, fences, etc.	***************************************		18,807	18,807
Land	**************************************	Comments of the Conference of Comments of Comments	10,007	10,007
Total farm capital			57,474	58,690
	- Manufal Profile and American Confi			
	24 most prof			
Items	24 most prof Jan. 1	itable far Dec. 31	ms <u>24 least</u> Jan. l	profitable Dec. 31
	Jan. 1		Jan. 1	
Size of farm (acres)	Jan. 1 348		Jan. 1 256	
	Jan. 1		Jan. 1	
Size of farm (acres) Size of business (work units)**	Jan. 1 348 645	Dec. 31	Jan. 1 256 544	Dec. 31
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows	Jan. 1 348 645 \$ 997	Dec. 31 \$1,016	Jan. 1 256 544 \$ 950	Dec. 31 \$1,080
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle	Jan. 1 348 645 \$ 997 663	Dec. 31 \$1,016 768	Jan. 1 256 544 \$ 950 885	Dec. 31 \$1,080 744
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders)	Jan. 1 348 645 \$ 997 663 7,279	\$1,016 768 7,279	3an. 1 256 544 \$ 950 885 11,831	\$1,080 744 11,207
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs	Jan. 1 348 645 \$ 997 663 7,279 4,189	\$1,016 768 7,279 3,789	950 885 11,831 4,433	\$1,080 744 11,207 2,699
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders)	Jan. 1 348 645 \$ 997 663 7,279 4,189 309	\$1,016 768 7,279 3,789 401	\$ 950 885 11,831 4,433 1,833	\$1,080 744 11,207 2,699 937
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys)	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246	\$1,016 768 7,279 3,789 401 271	\$ 950 885 11,831 4,433 1,833 229	\$1,080 744 11,207 2,699 937 377
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total)	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683	\$1,016 768 7,279 3,789 401	\$ 950 885 11,831 4,433 1,833	\$1,080 744 11,207 2,699 937 377 17,044
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27	\$1,016 768 7,279 3,789 401 271 13,524 16	\$ 950 885 11,831 4,433 1,833 229 20,161	\$1,080 744 11,207 2,699 937 377
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057	\$ 950 885 11,831 4,433 1,833 229 20,161 48	\$1,080 744 11,207 2,699 937 377 17,044 33
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share)	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057 4,118	\$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share) Crop & general machinery	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151 5,206	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057	\$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590 4,185	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251 4,086
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share) Crop & general machinery Livestock equipment and supplies	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151 5,206 584	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057 4,118 5,174 610	\$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590 4,185 4,971 849	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251 4,086 4,840
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share) Crop & general machinery Livestock equipment and supplies Machinery & equipment (total)	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151 5,206 584 9,941	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057 4,118 5,174 610 9,902	\$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590 4,185 4,971 849 10,005	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251 4,086 4,840 769 9,695
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share) Crop & general machinery Livestock equipment and supplies Machinery & equipment (total) Buildings, fences, etc.	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151 5,206 584 9,941 10,758	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057 4,118 5,174 610 9,902 11,022	Jan. 1 256 544 \$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590 4,185 4,971 849 10,005 12,744	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251 4,086 4,840 769 9,695 13,567
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share) Crop & general machinery Livestock equipment and supplies Machinery & equipment (total)	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151 5,206 584 9,941	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057 4,118 5,174 610 9,902	\$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590 4,185 4,971 849 10,005	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251 4,086 4,840 769 9,695
Size of farm (acres) Size of business (work units)** Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (incl. feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Productive livestock (total) Horses Crop, seed, and feed Power mach. (farm share) Crop & general machinery Livestock equipment and supplies Machinery & equipment (total) Buildings, fences, etc.	Jan. 1 348 645 \$ 997 663 7,279 4,189 309 246 13,683 27 8,333 4,151 5,206 584 9,941 10,758	\$1,016 768 7,279 3,789 401 271 13,524 16 12,057 4,118 5,174 610 9,902 11,022	Jan. 1 256 544 \$ 950 885 11,831 4,433 1,833 229 20,161 48 6,590 4,185 4,971 849 10,005 12,744	\$1,080 744 11,207 2,699 937 377 17,044 33 7,251 4,086 4,840 769 9,695 13,567

^{*} For the purpose of comparison, all the data shown in this report with the exception of tables 4 and 5 are presented on a full-owner basis. The assets, expenses and receipts of the landlord were included in the records from rented farms.

^{**} See page 20 for an explanation of "work units",

Table 2. Summary of Farm Earnings (Cash Statement), 1952

Items	Your farm	Average of 118 farms	24 most profitable farms	24 least profitable farms
FARM RECEIPTS				
Dairy and dual-purpose cows		\$ 290	\$ 271	\$ 220
Dairy products		1,124	1,266	1,216
Other dairy and dual-purpose cattle	······································	475	359	494
Beef cattle (including feeders)		8,115	11,490	12,598
· · · · · · · · · · · · · · · · · · ·		7,322	10,961	8,211
Hogs		1,057	334	2,747
Sheep and wool (including feeders)		184	191	109
Poultry (including turkeys)		875	98 3	724
Eggs		12	11	15
Horses		1, 245	1,847	685
Corn	***************************************	1,217	1,705	1,229
Small grain		981	1,833	712
Other crops		378	563	402
Machinery and equipment sold	mudusquak massauttikit	70	89	56
Agricultural adjustment payments		341	272	242
Income from work off the farm		154	157	101
Miscellaneous				29,761
(1) Total farm sales		23,840	32,332	29,701
(2) Increase in farm capital		1,216	3,779	- 789
(3) Family living from the farm	***************************************	748	803	
(4) Total farm receipts $(1)+(2)+(3)$		25,804	36,914	30,550
FARM EXPENSES				
Dairy and dual-purpose cows bought		\$ 112	\$ 24	\$ 173
Other dairy & dual-pur. cattle bought		152	156	125
Beef cattle bought (incl. feeders)		4,461	7,201	6,937
Hogs bought	***************************************	361	267	489
Sheep bought (incl. feeders)		569	234	1,471
Poultry bought (incl. turkeys)		122	121	101
Horses bought		4	ten	9
Misc. livestock expense		369	472	445
Misc. crop expenses		1,079	1,718	1,103
Feed bought		4,318	5,817	6,002
Custom work hired		439	511	510
Mech. power mach. (farm share) (new)	:	610	861	767
Mech. power mach. (farm share) (upkp.)		321	399	349
Mech. power (F. share) (gas, oil, etc.)	1,117	1,327	1,323
Crop and general machinery (new)		871	891	817
Crop and general machinery (upkeep)		323	408	451
Livestock equipment (new)	And the second s	124	138	95
Livestock equipment (upkeep)		121	158	178
Buildings and fencing (new)	National Associations (Management of Management of Managem	1,023	850	1,542
Buildings and fencing (upkeep)		331	278	443
Hired labor	-	835	920	1,276
Taxes		627	749	666
General farm and insurance		249	285	271
(5) Total farm purchases	·	18,538	23,785	25,543
(6) Decrease in farm capital	-			1,958
(7) Interest on farm capital		2,904	3,246	3,508
(8) Unpaid family labor		335	436	7252 118
(9) Board furnished hired labor		91	110	118
(10) Total farm exp. (sum of (5)to(8)		21,868	27,577	31,379
(11) Oper. labor earnings (4)-(10)		3,936	<u> </u>	-829

Table 3. Summary of Farm Earnings (Enterprise Statement) 1952*

tems	Your farm	Average of 118 farms		24 least profitable farms
	1611111	1011110	202110	
ETURNS AND NET INCREASES				4
Dairy and dual-purpose cows		\$1,214	\$1,314	\$1,268
Other dairy & dual-pur, cattle	And and the Annual Control of Control	583	712	546
Beef breeding herd		755	186	910
Feeder cattle		2,807		4,208
Hogs		6,392		6,061
Sheep-farm flock	****	116		197
Sheep-feeders	The second of the second second second second	86		186
	manager of the second section of the section of the second section of the second section of the section of the second section of the se	1		3
Turkeys and geese		1,038	1,178	949
Chickens		12,992		14,328
All productive livestock		12, 972 - 2	· · · · · · · · · · · · · · · · · · ·	-3,826
Crops, seed, and feed		70	89	-5,020 56
Agricultural conservation payme	31108	142	135	9 1
Income from labor off the farm	wages in a long transmitted in a 1944 of the West	374		353
Miscellaneous		13,576		11,002
(1) Total returns & net increas	ses	13,370	20,375	11,002
XPENSES AND NET DECREASES				
	d.	\$ 17	\$ 1 6	\$ 16
Horses	.φ	990	•	1,178
Tractor	*	283		455
Truck		428		399
Auto (farm share)			•	188
Elec. & gas engine exp. (F. share)	152		
Hired power	· · · · · · · · · · · · · · · · · · ·	<u>162</u>		216
Total power		2,032		2,452
Crop and general machinery	****	1,034		1,320
Livestock equipment		234		329
Buildings, fencing, and tiling		802		1,032
Misc. productive livestock exp.	manage belongs of the state of	368		446
Labor	enember und der seine erreicht	1,390		1,807
Real estate taxes		485		483
Personal property tax	METATION CONTINUES AND CONTINU	142	•	183
Insurance		87		111
General farm		162		160
Interest on farm capital		2,904	3,246	3,508
(2) Total expenses & net decrea	ases	9,640	11,038	11,831
(3) Oper. labor earnings (1)-(2	»)	3, 936	9,337	-829

^{*} Cash receipts and expenses are adjusted for changes in inventory for each enterprise and for each item of expense in order to show total receipts and net increases, and total expenses and net decreases. The operator's labor earnings are the same as those on page 4.

Table 4. Net Worth Statement for Those Farmers Who Kept a Complete Record of All Assets and Liabilities, 1952 (Operator's Share)

		r farm	26 Ow	mers
Items	Jan. 1	. Dec. 31	Jan. 1	Dec. 31
Total acres in farm			226	
Owned		•	226	
Rented	- Contract C	of .	-	7 - 1 - 4 - 4
Total farm capital	***************************************	• • • • • • • • • • • • • • • • • • • •	\$53, 284	\$54,965
Accounts receivable	**************************************		1,980	1,915
Stocks and bonds	Medigitis de Miller conservante and state	ep Military mental constraints	2,755	2,329
Life insurance	**************************************	A STATE STREET, THE COLUMN STREET, THE STR	1,417	1,559
Outside real estate	***************************************	Militarinnos (Militarinnos internos int	2,150	2,098
Other outside investments		* *************************************	526	560
Total outside investments		-	6,848	6,546
Cash on hand and in bank			1,840	2,036
Other household & personal assets			2,278	2,302
Total cash, household & personal assets			4,118	4,338
TOTAL ASSETS	***************************************	And the second of the second o	66,230	67,764
Federal Land Bank Mortgage	***		1,908	2,824
Other mortg. on land operated	-		5,207	5,256
Production Credit Association	****		2,588	2,401
Crop loans	***************************************	* ************************************	285	630
Other chattel mortgages	CONTRACTOR OF STREET		1,399	1,463
Notes payable	to the same and th	This product of the control of the c	2,625	2,584
Accounts payable			331	369
TOTAL LIABILITIES	_ 	in the state of th	14,343	15,527
Farmer's net worth	***************************************		51,887	52,237
Gain in net worth	***************************************		J1,007	+ 350
			*	• • • • • • • • • • • • • • • • • • •
	16 Pa:	rt Owners*	25 R	enters**
Items	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm	235		245	
Owned	138			
Rented	97		245	
Total farm capital	\$44,081	\$46,015	\$19,901	\$21,352
Accounts receivable	94		746	554
Stocks and bonds	1,054		2,304	2,392
Life insurance				7 0/12
nile insurance	987	1.034	1,009	1.043
Outside real estate	987 86 3	1,034 863	1,009 34	1,043 34
Outside real estate	863	863	34	34
Outside real estate Other outside investments	863 315	8 63 358	34 249	34 270
Outside real estate Other outside investments	863	863 358 3,278	34 249 3,596	34 270 3,739
Outside real estate Other outside investments Total outside investments Cash on hand and in bank	863 315 3,219 462	863 358 3,278 674	34 249 3,596 1,085	34 270 3,739 852
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets	863 315 3,219 462 2,277	863 358 3,278 674 2,299	34 249 3,596 1,085 2,932	34 270 3,739 852 3,016
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets	863 315 3,219 462 2,277 2,739	863 358 3,278 674 2,299 2,973	34 249 3,596 1,085 2,932 4,017	34 270 3,739 852 3,016 3,868
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS	863 315 3,219 462 2,277 2,739 50,133	863 358 3,278 674 2,299 2,973 52,311	34 249 3,596 1,085 2,932	34 270 3,739 852 3,016
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage	863 315 3,219 462 2,277 2,739 50,133 2,125	863 358 3,278 674 2,299 2,973 52,311 2,090	34 249 3,596 1,085 2,932 4,017	34 270 3,739 852 3,016 3,868
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land operated	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298	34 249 3,596 1,085 2,932 4,017 28,260	34 270 3,739 852 3,016 3,868 29,513
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383 2,985	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298	34 249 3,596 1,085 2,932 4,017	34 270 3,739 852 3,016 3,868 29,513
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land operated Production Credit Association Crop loans	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383 2,985 150	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298 536 636	34 249 3,596 1,085 2,932 4,017 28,260 - 583	34 270 3,739 852 3,016 3,868 29,513 - 616 390
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land operated Production Credit Association	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383 2,985 150 1,556	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298 536 636 1,616	34 249 3,596 1,085 2,932 4,017 28,260 - 583 - 1,396	34 270 3,739 852 3,016 3,868 29,513 - 616 390 1,532
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land operated Production Credit Association Crop loans Other chattel mortgages Notes payable Accounts payable	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383 2,985 150 1,556 2,336	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298 536 636 1,616 4,484	34 249 3,596 1,085 2,932 4,017 28,260 - 583 - 1,396 1,096	34 270 3,739 852 3,016 3,868 29,513 - 616 390 1,532 1,266
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land operated Production Credit Association Crop loans Other chattel mortgages Notes payable Accounts payable	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383 2,985 150 1,556 2,336 554	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298 536 636 1,616 4,484 669	34 249 3,596 1,085 2,932 4,017 28,260 - 583 1,396 1,096 399	34 270 3,739 852 3,016 3,868 29,513 - 616 390 1,532 1,266 345
Outside real estate Other outside investments Total outside investments Cash on hand and in bank Other household and personal assets Total cash, household and personal assets TOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land operated Production Credit Association Crop loans Other chattel mortgages Notes payable	863 315 3,219 462 2,277 2,739 50,133 2,125 3,383 2,985 150 1,556 2,336	863 358 3,278 674 2,299 2,973 52,311 2,090 3,298 536 636 1,616 4,484 669	34 249 3,596 1,085 2,932 4,017 28,260 - 583 - 1,396 1,096	34 270 3,739 852 3,016 3,868 29,513 - 616 390 1,532 1,266

^{* 6} rented for cash, 8 cash and crop share and 2 crop share.

^{** 3} rented for cash, 13 cash and crop share, 1 crop share and 8 livestock share.

Table 5. Summary of Farm Earnings by Tenure, 1952 (Operator's Share)

• The second sec	Your	26	16 part	25
Items	farm	owners	owners	renters
FARM RECEIPTS			4	
Dairy and dual-purpose cows		\$ 360	\$ 205	\$ 245
Dairy products	17-114-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1,127	1,118	1,446
Other dairy and dual-purpose cattle		498	248	631
Beef cattle (including feeders)		9,506	7,142	1,793
Hogs		6,488	7,098	6,244
Sheep and wool (including feeders)		1,484	459	223
Poultry (including turkeys)		171	233	296
Eggs		1,047	945	782
Horses		12	18	4
Corn		982	897	512
Small grain		1,182	565	489
Other crops	440 10 - 10 - 10 - 10 - 10 - 10	776	1,035	497
Machinery and equipment sold		346	323	516
Agricultural adjustment payments		77	65	55
Income from work off the farm		241	207	409
		205	171	77
Miscellaneous	****	$\frac{202}{24,502}$	20,729	14,219
(1) Total farm sales		1,681	1,934	1,451
(2) Increase in farm capital	***	721	889	658
(3) Family living from the farm	STATE OF THE PERSON OF T	26,904	23,552	16,328
(4) Total farm receipts (1) \(\frac{1}{2}\)		20,904	کرر , ر	10,020
FARM EXPENSES	7.4	\$ 67	\$ 91	\$ 104
Dairy and dual-purpose cows bought	£	77	111	374
Other dairy & dual-purpose cattle bough	U	6,153	3,643	784
Beef cattle bought (incl. feeders)			331	339
Hogs bought	***************************************	29 <i>5</i>	743	10
Sheep bought (including feeders)		803		152
Poultry bought (including turkeys)		122	129 16	
Horses bought		202	567	- 345
Miscellaneous livestock expenses		323		
Miscellaneous crop expenses	-	1,077	845	960
Feed bought	***************************************	4,417	3,863	3,620
Custom work hired		363	507	419
Mech. power mach. (farm share) (new)	****	430	830	757
Mech. power mach. (farm share)(upkp.)		335	371	302
Mech. power (f. share)(gas, oil, etc.)		1,021	954	913
Crop and general mach. (new)		819	781	865
Crop and general mach. (upkeep)	-	261	244	227
Livestock equipment (new)		87	53	201
Livestock equipment (upkeep)		88	165	103
Land, buildings and fencing (new)		1,406	1,252	34
Buildings and fencing (upkeep)		370	337	89
Hired labor		899	786	652
Taxes (real estate & personal property)	-	566	403	103
General farm and insurance		297	250	197
Cash rent		994	5 13	50 3
Interest paid		<u>686</u>	<u>553</u>	<u> 175</u>
(5) Total farm purchases		20,962	18,338	12,228
(6) Decrease in farm capital				¥112
(7) Interest on farm capital		2,020	1,699	8 5 6
(8) Unpaid family labor		316	260	274
(9) Board furnished hired labor	***************************************	62	84	74
(10) Total farm exp. (sum of (5)to(8)		23,360	20,381	13,432
(11) Operator's labor earnings (4)-(10)	-	3,544	3,171	2,896
(12) Ret. Cap. & fam. lab. (7)+(8)+(11)		5 , 880	5,130	4,026

Table 6. Household and Personal Expenses and Receipts for Those Farms Which Kept Complete Accounts of These Expenses, 1952

Number of persons in family 4.3 4.7 4.0 Number of adult equivalents in family 3.1 3.2 3.0 Number of other adult equivalents* .2 .2 .4 EXPENSES Food and meals bought \$789 \$748 \$744 Operating and supplies 292 308 396 Clothing and clothing materials 310 290 310 Personal care, personal spending 102 49 110 Furnishings and equipment 174 136 141 136 141 159 140 140 110 159 150 140 150 140 150 140 150 140 150 140 150 140 150 150 150 140 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150	Items	Your farm	Average of 51 farms	10 most profit- able farms	10 least profit- able farms
Number of adult equivalents in family 3.1 3.2 3.0 Number of other adult equivalents* .2 .2 .4 EXPENSES Food and meals bought \$789 \$748 \$744 Operating and supplies 292 308 396 Clothing and clothing materials 310 290 310 Personal care, personal spending 102 49 110 Furnishings and equipment 174 136 141 Education, recreation and development 176 119 159 Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H. & Pers. shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 3,461 3,578 3,659 Food and fuel furnished by the farm<		161111	2011110	<u> </u>	
Number of adult equivalents in family 3.1 3.2 3.0 Number of other adult equivalents* .2 .2 .4 EXPENSES Food and meals bought \$ \$789 \$748 \$744 Operating and supplies .292 308 396 Clothing and clothing materials .310 290 310 Personal care, personal spending .102 49 110 Furnishings and equipment .174 136 141 Education, recreation and development .176 119 159 Medical care and health insurance .285 306 509 Church, welfare, gifts .321 285 252 Personal share of auto expense .147 133 180 Household share of elect. & gas eg. & mot.bot17 36 47 Total cash living expenses .2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance .329 568 280 Total household and pers. cash exp3,461 3,578 3,659 Food and fuel furnished by the farm .432 466 426 House rental .297 155 372 Total cash expenses and perquisites .4,190 4,199 4,497 Pur. of stocks, bonds, and other invest71 28 6 RECURITES .508 124	Number of persons in family	5 - 1	4.3	4.7	4.0
EXPENSES Food and meals bought \$ \$789			3.1	3.2	3.0
Food and meals bought \$ \$789 \$748 \$7448 \$7444 Operating and supplies 292 303 396 Clothing and clothing materials 310 290 310 Personal care, personal spending 102 49 110 Furnishings and equipment 174 136 141 Education, recreation and development 176 119 159 Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Hunder Household share of elect. & gas eg. exp. 81 86 103 Hunder Household share of elect. & gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270 Miscellaneous income 130 124 270 Stocks 124 270 Miscellaneous income 130 124 270 Clothing and supplies 510 310 124 270 Stocks 508 310 320 320 320 320 320 320 320 320 320 32			.2	. 2	.4
Food and meals bought \$ \$789 \$748 \$7448	EXPENSES				
Operating and supplies 292 308 396 Clothing and clothing materials 310 290 310 Personal care, personal spending 102 49 110 Furnishings and equipment 174 136 141 Education, recreation and development 176 119 159 Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers. shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190		\$	\$ 789	\$748	\$744
Clothing and clothing materials 310 290 310 Personal care, personal spending 102 49 110 Furnishings and equipment 174 136 141 Education, recreation and development 176 119 159 Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers. shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$644 Miscellaneous income			292	308	396
Personal care, personal spending 102 49 110 Furnishings and equipment 174 136 141 Education, recreation and development 176 119 159 Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers.shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Four. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income			310	290	310
Furnishings and equipment 174 136 141 Education, recreation and development 176 119 159 Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers.shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS 130 124 270			102	49	110
### Education, recreation and development			174	136	141
Medical care and health insurance 285 306 509 Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers.shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100			176	119	159
Church, welfare, gifts 321 285 252 Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers. shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS 100 4,190 4,190 4,490 4 Miscellaneous income 130 124 270					
Personal share of auto expense 147 133 180 Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers.shr. of new auto, gas eg. & mot. bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS 130 \$409 \$64 Miscellaneous income 130 124 270		***************************************			
Household share of elect. & gas eg. exp. 81 86 103 H.H. & Pers.shr. of new auto, gas eg. & mot.bot. 17 36 47 Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270				_	_
H. H. & Pers. shr. of new auto, gas eg. & mot. bot. 17 36 47 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270		-	•		
Total cash living expenses 2,694 2,496 2,951 State and federal income tax** 438 514 428 Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270	W W & Done above of new suite res es & motel	hot:			
Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS 100 100 \$409 \$64 Miscellaneous income 130 124 270			2,694		
Insurance 329 568 280 Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS 100 \$308 \$409 \$64 Miscellaneous income 130 124 270	State and federal income tax**		438	514	428
Total household and pers. cash exp. 3,461 3,578 3,659 Food and fuel furnished by the farm 432 466 426 House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270			-		280
House rental Total cash expenses and perquisites Pur. of stocks, bonds, and other invest. RECEIPTS Income from outside investments Miscellaneous income 297 4,190 4,199 4,457 28 6 8409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409 84409					3,659
House rental 297 155 372 Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270	Food and finel furnished by the farm		432	466	426
Total cash expenses and perquisites 4,190 4,199 4,457 Pur. of stocks, bonds, and other invest. 71 28 6 RECEIPTS Income from outside investments \$308 \$409 \$64 Miscellaneous income 130 124 270			-	155	372
RECEIPTS Income from outside investments Miscellaneous income \$308 \$409 \$64 270	- · · · · · · · · · · · · · · · · · · ·				
Income from outside investments \$308 \$409 \$ 64 Miscellaneous income 130 124 270	Pur. of stocks, bonds, and other invest.	-	71	28	6
Income from outside investments \$308 \$409 \$ 64 Miscellaneous income 130 124 270	RECEIPTS				
Miscellaneous income 130 124 270		<u> </u>	\$30 8	\$409	\$ 64
			130	124	270
Return to capital and family labor 4,638 7,599 2,219	· · · · · · · · · · · · · · · · · · ·		4,638	7,599	2,219

Hired help or others boarded

^{**} Tax paid in 1952 on income earned during 1951

Table 7. Family Living from the Farm, 1952

Items Your farm	Average of 118 farms	Your farm	Average of 118 farms
No. of adult equivalents:			
Family	3,2		
Other *	. 2		
Whole milk	687 qts.	7.4	\$ 47.92
Skim milk	82 ats.		1.91
Cream	68 pts.		14.20
Farm made butter	2 1bs.		1.61
Cattle	563 lbs.		145.69
Hogs	446 lbs.		75.54
Sheep	5 lbs.	despity-result and Control and and and and	1.34
Poultry	123 lbs.	***************************************	25.79
regs	154 doz.		5 2. 86
Potatoes	3 bus.	Supplemental and the supplemen	7.44
Vegetables & fruits		-	35.20
Farm fuel		***************************************	1.56
Rental value of house		Harmon and the state of the sta	<u>336.76</u>
Total			\$747.82

^{*} Hired help or others boarded.

CUMULATIVE EFFECT OF EXCELLING IN A NUMBER OF MANAGEMENT FACTORS

Studies of earnings of farmers in this area show that there are seven major management factors causing variations in earnings among farmers within a given year. These seven factors are (1) crop yields, (2) choice of crops, (3) returns from livestock, (4) amount of livestock, (5) size of business, (6) work accomplishments per worker, and (7) control over expenses. The combined or cumulative influence of these seven management factors on earnings is shown in table 8. The farmer's earnings are determined to a considerable extent by his accomplishments in these seven factors.

Table 8. Relation of Operator's Labor Earnings to the Number of Factors in which the Farmer Excels

No. of factors in which farmer excels	No. of farms	Your farm	The length of the shaded lines is in proportion to the average operator's labor earnings	Average operator is labor earnings
None or 1 2 or 3 4 or 5 6 or 7	18 48 42 14		**************************************	\$ 2,544 3,507 4,685 4,846

The array in table 8 indicates that it will be worth while for each cooperator to study carefully his ranking on pages 10 and 11, and learn his standing in respect to each of the above factors and the elements of strength and weakness in his farm business.

Table 9. Measures of Farm Organization and Management Efficiency, 1952

Measures used in chart on page 11	Your farm	Average of 118 farms	24 most profit- able farms	24 least profit- able farms
Operator's labor earnings	\$	\$3,936	\$ 9, 33 7	\$ -829
(1) Crop yields*	subsequences where prome had the	100	102	98
(2) Per cent tillable land in high ret.crop	S**	60.9	57.9	61.6
(3) Ret. for \$100 feed to prod. livestock**	*	100	110	90
(4) Prod. livestock units per 100 acres****		33.2	31.0	42.4
(5) Size of business - work units	THE REAL PROPERTY AND ADDRESS OF THE PROPERTY	515	645	544
(6) Work units per worker	Charles of the Control of the Contro	322	3 79	286
(7) Pow., mach., equip., & bldg. exp. per work unit	\$	\$ 8.29	\$ 7.39	\$ 10.28
Items related to some of the above measures	O O		<u> </u>	
(3) Index of return for \$100 feed from: Dairy cattle (see pages 16 & 17) Dual-purpose cattle (see pp. 16 & 17) Beef cattle - breeding herd (see p. 1	5)	100 100 100	107 134 -	10 <i>5</i> - 103
Beef cattle - feeders (see page 15) Hogs (see page 14) Sheep - farm flock (see page 18)		100 100 100	117 116 91	77 9 3 184
Sheep - feeders (see page 18) Turkeys Chickens (see page 19)		100 100 100	106	98
(4) Number of animal units	PRESENTATION SECURISES	74.2	92.0	95.9
(5) Work units on crops Work units on productive livestock Other work units	Control Maller Techniques of Labor Control Maller Techniques of Labor Techniques of Control Maller Techniques	186 310 19	246 380 19	179 354 11
(6) Number of family workers Number of hired workers Total number of workers		1.2 .4 1.6	1.3 .4 1.7	1.2 .7 1.9
(7) Power expense per work unit Crop machinery expense per work unit Livestock equip. expense per work unit Bldgs. & fencing exp. per work unit		\$4.13 2.08 .45 1.63	\$3.91 1.92 .41 1.15	\$4.96 2.68 .58 2.06

^{*} Given as a percentage of the average.

*** Crops are marked in table 10 as (A), (B), (C), and (D). All of acres in (A) crops, one half of acres in (B) crops, and one fourth of acres in (C) crops are used in calculating per cent of tillable land in high return crops.

^{***} An index weighted by the animal units of livestock.

^{****} Acres in timber not pastured, roads, waste and farmstead were not included.

Using your figures from page 10, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 118 farms included in this summary are located between the dotted lines across the center of this page.

	Oper. labor earn- ings	Crop yield s	High return crops	Return from pro ductive livestoc	per	s Work		exp. per
	EI					Ë		
\$1 1900	\ <u></u>	132	81.0	148	65.0	835	480	\$3.50 <u> </u>
10900		128	78.5	142	61.0	795	460	4.10
9900		124	76.0	136	57.0	755	440	4.70
8900		120	73.5	130	53, 0	715	420	5.30
7900		116	71.0	124	49.0	675	400	5.90
6900	丰	112	68.5	118	45.0	635	380	6.50
5900		108	66.0	112	41.0	595	360	7, 10
4900		104	63.5	106	37.0	555	340	7.70
3900		100	61.0	100	33.0	515	320	8.30
2900		96	58, 5	94	29.0	475 <u> </u>	300 <u> </u>	8.90
1900		92	56.0	88	25, 0	435 	280	9,50
900		88	53.5	82	21.0	395	260	10.10
-100		84	51.0	76	17,0	355	240	10.70
-1100		80	48.5	70	13.0	315	220	11.30
	E		46.0	64	9.0	275	200	11.90
-2100 -3100	 	79-1	43,5	58	5.0	235	180	12.50
~)10			E	E	E	E	E	E

Table 10. Distribution of Acres in Farm and Yield of Crops, 1952

Crop: (A), (B), (C), and (D) refer to ranking used in calculating per cent of tillable land in high return crops (see page 10)		Acres in farm Average Your of 118 farm farms	Crop Yields per acre Average of Your farms grow- farm ing each crop
Canning peas Flax Barley Oats and oat mixtures Wheat, rye or millet (A) (C) (D)	45 21 115	.4 12.7 4.5 50.0	\$25.55 13.8 bu. 28.9 bu. 44.0 bu.
Total small grain and peas	117	68.1	
Hybrid seed corn, potatoes & truck crops (A) Corn grain (A) Corn or sorghum silage (B) Sweet corn (B) Soybeans for grain (B) Corn or sorghum fodder (D)	116 61 3 56	.2 84.8 5.6 .5 14.0	58.9 bu. 9.5 tons 4.2 tons 18.4 bu. 3.5 tons
Total cultivated crops	118	105.2	
Alfalfa hay Soybean hay (C) Mixed legumes & non-legumes (C) Legumes for seed (C) Timothy and/or brome hay & seed(D) Misc. hay and seed (D)	2 29 6 6	21.2 3 3.2 2 3 4	2.6 tons 1.8 tons 83 lbs. 1.5 tons
Total tillable land in hay	112	25.6	· · · · · · · · · · · · · · · · · · ·
Alfalfa and mixtures inc. alf. (A) Other legumes and mixtures (C) Sudan grass and/or rape (C) Other tillable pasture (D)	26 7	8.3 4.0 .3 2.2	
Total tillable land in pasture	90	14.8	
Tillable land not cropped (D)	13	1.7	
Total tillable land	118	215.4	
Wild or phalaris hay (non-tillable Non-tillable pasture Roads, waste and timber Farmstead) 27 75	2.2 24.3 8.9 8.7	.9 tons
Total acres in farm Per cent land tillable Per cent tillable land in high ret	urn crops	259.5 83.0 60.1	

Table 11. Average Price of Feeds, 1952

Item	Value	Item	Value
Ear corn, per bu.	\$1.34	Alfalfa hay, per ton	\$17.00 14.50
Oats, per bu.	.76 1.21	Red or alsike clov. hay, per ton Soybean hay, per ton	14.50
Barley, per bu. Wheat, per bu.	2,12	Timothy, per ton	9,80
Bran, per cwt.	3.45	Wild hay, per ton	8.50
Linseed oilmeal, per cwt.	4.85	Corn fodder, per ton	7.60
Soybean oilmeal, per cwt.	5.60	Corn silage, per ton	5.75
Meat scraps, per cwt.	6, 50	Pasture, per mo. per cow Skimmilk, per cwt.	2,50 .37

Table 12. Power and Machinery Expenses Per Crop Acre, 1952

Items	Your farm	Average of 118 farms	24 most profitable farms	24 least profitable farms
Crop acres per farm	-	201.1	274.2	191.8
Tractor and horse exp. per crop acre Crop & gen. mach. exp. per crop acre		\$ 5.11 5.31	\$ 4.79 4.52	\$ 6.66 7.12

TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 14. This differs from the "return over feed" shown in the enterprise statement in that it is the total for each class of livestock instead of a return "per head" "per unit" or "per 100 pounds". These data indicate the relative importance of different classes of livestock as a source of income and as a market for feed. The total return is the same as the returns and net increases shown on page 5. The value of milk consumed by calves is included in the total returns from dairy or dual purpose cows and in the total feed cost for other dairy or other dual purpose cattle. The return over feed is not a net return, but rather the amount available from the gross income, after paying the feed bill, to cover the outlay for hired labor, power, equipment, taxes, insurance, interest and veterinary bills and to provide a return for the use of family labor and capital.

Feed is the largest single item of cost for all classes of livestock. However the proportion of the total cost represented by feed varies considerably between classes of livestock. Feed makes up approximately 45 per cent of the total costs of maintaining dairy cattle and poultry, 50 per cent in the case of a farm flock of sheep and 75 to 90 per cent for hogs, feeder cattle and feeder lambs. Consequently, it is necessary to secure a relatively higher return over feed from dairy cattle and poultry than from the other livestock enterprises in order to be able to cover all the costs other than feed.

Table 13. Total Feed Costs and Returns from Your Livestock Enterprises, 1952

				Beef	
	Dairy or d	ual purpose	cattle	breeding	Feeder
Items	Cows	Other	<u> </u>	<u>herd</u>	<u>cattle</u>
Total returns			was a provided to the contract of the contract		
Total feed cost	-	Considerate State Control of the Con			
Total return over feed			·		CHARLES AND THE CONTRACT OF TH
		Sh	1 eep	**	
		Farm		· _	-
	Hogs	flock	Feeders	Turkeys	Chickens
Total returns		engaler was got takket in the land of the	Application of the state of the		
Total feed cost	Party Spiriter Transport Control Spiriter Control Cont		Mary Confidential Company Comment of Company Confidence of	Sanga saarto, a rengalementeniari austronos	
Total return over feed					

Table 14. Feed Costs and Returns from Hogs, 1952

Items	Your farm	Average of 101 farms		20 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.:		. 1 -		wa.e
Corn		348	237	526
Small grain		118	78	145
Commercial feeds		45	41	पिरी
Total concentrates		511	356	715
Skim milk and buttermilk		30	25	63
Feed cost per cwt. hogs produced:		_		
Concentrates	\$	\$13.60	\$ 9.76	\$ 18,62
Skim milk and buttermilk		.12	.10	. 25
Pasture		.15	.10	15
TOTAL FEED COSTS	\$	13.87	9.96	19.02
Net increase in val. per cwt. hogs prod.	-	16.35	17.09	14.93
RETURNS ABOVE FEED COST PER CWT. HOGS PROD.	\$	2,48	7.13	-4.09
RETURNS FOR \$100 OF FEED	\$	\$ 125	\$ 174	\$ 78
Price received per cwt. hogs sold	\$	\$17.34	\$17.62	\$17.14
No. of spring litters raised		17.2	19.2	9 .0
No. of fall litters raised		7.9	8.1	7.2
Total no. of litters raised	-	25.1	27.3	16.2
No of miny home man litton		8.2	8, 3	8.1
No. of pigs born per litter No. of pigs weaned per litter		6.7	7.0	6.1
Pounds of hogs produced	www.journey.com/enterior	37,222	54,487	29,151

Table 15. Feed Costs and Returns from Beef Cattle, 1952

	Average our of all arm farms	Farms highest in returns above feed	Farms lowest in returns above feed
Beef breeding herd: No. of farms:	32	11	11
Feeds per animal unit, lbs.:			
Concentrates	2,076	2,243	1,538
Legume	2,721	2,662	2,808
Other hay	843	901	705
Fodder and stover	68	76	105
	5,664	4,730	8,409
Silage	J, 004	7,150	0, 107
Feed cost per animal unit:			****
Concentrages \$	\$52.89	\$56.25	\$38.72
Roughages	42.04	39.94	48.12
Pasture	<u> 17.11</u>	<u> 16.70</u>	17.43
TOTAL FEED COSTS	112.04	112.89	104, 27
Value of produce per animal unit:	A	A	
Dairy products \$	\$12.69	\$17.02	
Net increase in value of animals	129.72	<u>218.00</u>	<u>49.31</u>
TOTAL VALUE PRODUCED	142.41	235.02	49.31
RETURNS ABOVE FEED COST PER ANIMAL UNITS \$	\$30.37	\$122.13	\$ -54.96
RETURNS FOR \$100 OF FEED \$	\$ 138	\$ 235	\$ 54
Number of cows and herd bulls	17.3	16.5	15.8
Number of other beef cattle	24.6	25.3	22.4
Number of animal units in the herd	21.3	20.8	19.4
Lbs. beef produced	13,186	14,862	10,379
Feeder Cattle: No. of farms	48	16	16
Feeds per cwt. beef produced, lbs.:			
Corn	6 2 6	512	802
Small grain	50	54	21
Commercial feeds	52	49	61
Legume hay	314	21 6	465
Other hay	70	88	28
Total concentrates	728	615	8 84
Total hay and fodder	384	304	493
•	627	412	988
Silage	02/	,	, , , ,
Concentrates	\$18.93	\$15.95	\$23.03
	4.78	3.46	6.86
Roughages	1.30	1.28	1.37
Pasture	25.01	20.69	31.26
	22.56	26.55	17.98
Net increase in value of feeders RETURNS ABOVE FEED COST PER CWT.BEEF PROD.		5.86	-13.28
RETURNS FOR \$100 OF FEED \$_	\$ 97	\$ 13 6	\$ 56
Price recd. per cwt. beef sold \$	\$30.16	\$31.33	\$2 8 ,30
Price paid for feeder cattle bought	27.35	27.27	26.07
Number of animal units	54.1	60.6	43.7
Pounds of beef produced	29,850	34,966	22,373
TORTING OT DEET DIOUGGER	27,000	2.3755	مهدا مهدم : ···

Table 16. Factors of Cost and Returns from Dairy and Dual-Purpose Cows, 1952

Items		Your farm	Average of 37 dairy herds	Average of 11 dual-pur- pose herds
Pounds of butterfat per Price rec. per 1b. B.F. As manufacturing crea Other (cents)	sold (cts.)		282 90, 2 79, 7 105, 1	171 81.2 80.3
Feeds per cow, lbs.: Corn Small grain Commercial feeds			1,757 887 339	1,357 490 59
Legume hay Other hay Fodder and stover Total concentrates Total dry roughage Silage			4,160 410 - 2,983 4,570 6,075	4,088 560 1,906 4,648 6,521
Feed cost per cow: Concentrates Roughages Pasture TOTAL FEED COSTS		\$ \$	\$80.98 54.64 <u>12.49</u> 148.11	\$47.06 55.90 <u>11.60</u> 114.56
Value of produce per com B.F. sales Dairy produce used in Milk to livestock Net increases in value TOTAL VALUE PRODUC	n house	\$	\$240.38 13.74 17.15 <u>-5.48</u> 265.79	\$124.46 13.93 11.45
RETURNS ABOVE FEED COST	PER COW	\$	117.68	41.22
RETURNS FOR \$100 OF FEE		\$	\$ 190	\$ 147
Feed cost per 1b. B.F.	(cts.)	home of Data contribution contribution	52.5	67.0
Number of cows*		Contraction and and area	11.3	7.1

^{*} All dairy cows which have at some time in the past freshened are included in the dairy herd, and affect the average number of cows used in computing this table. There is some variation in the number of months of dry period per cow; however, this variation is small for the majority of farms.

Table 17. Feed Costs and Returns from Other Dairy and Dual-Purpose Cattle, 1952

Items	Your farm	Average of 34 dairy herds*	Average of 10 dual-purpose herds*
Feeds per head, lbs.: Concentrates Hay and fodder Silage Skim milk Whole milk		752 1,478 1,982 407 196	973 1,310 1,522 263 84
OTAL FEED COSTS PER HEAD	\$	\$48.72	\$47,22
let inc. in value of other diary catt	le	85.54	79.25
RETURNS ABOVE FEED COST PER HEAD	\$	36.82	32.03
RETURNS FOR \$100 OF FEED	\$	\$174	\$209
Number of head of other dairy cattle	<u> </u>	17.3	12,6

Table 18. Feed Costs and Returns from All Dairy and Dual-Purpose Cattle, 1952

		Average of 37	Average of 11
tems	Your farm	dai ry he rds	dual-purpose herds
eeds per animal unit, lbs.:			
Concentrates		2,412	1,953
Hay and fodder	**************************************	3,939	3,68 3
Silage		5,283	5,382
OTAL FEED COSTS PER ANIMAL UNIT	\$	\$123.42	\$104.07
alue of produce per animal unit:			4 00 70
Dairy products	\$	\$160.15	\$ 83.73
Net inc. in value of dairy cattle		<u>57.93</u>	69.55
TOTAL VALUE PRODUCED	\$	218.08	153, 28
ETURNS ABOVE FEED PER ANIMAL UNIT	\$	94.66	49.21
ETURNS PER \$100 OF FEED	\$	\$ 1 86	\$ 161
nimal units of dairy cattle		21.1	14.3

^{*} Some farmers having both a milking herd and a beef herd, used a beef bull, and included all the young stock in the beef herd.

Table 19. Feed Costs and Returns from a Farm Flock of Sheep, 1952

Items	Your farm	Average of 34 farms	ll farms highest in returns above feed	11 farms lowest in returns above feed
Feeds per head, * lbs.		O.M	66	, . or
Concentrates	· · · · · · · · · · · · · · · · · · ·	87	264	95 382
Legume hay		314	12	31
Other hay		36	12 242	61
Silage		125	CHR	U_
Feed cost per head:	de ·	\$ 2,18	\$ 1.57	\$ 2.51
Concentrates	Ψ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3.13	Ψ 1. J7 3. 02	3.36
Roughages	Harry and the state of the stat	2.46	2.59	2.42
Pasture TOTAL FEED COSTS	¢	$\frac{2,40}{7.77}$	$\frac{2.02}{7.18}$	8.29
	Ψ	(* ((7 - 10	0.27
Value of produce per head:	s	\$ 2.61	\$ 2,63	\$ 2.92
Wool Net increase in value of sheep	Y spischwariania later militariania	3.16	11.23	<u>-5.58</u>
TOTAL VALUE PRODUCED	\$	5.77	13.86	-2. 66
RETURNS ABOVE FEED COST PER HEAD	\$	-2.00	6.68	-10.95
RETURNS FOR \$100 OF FEED	\$	\$ 80	\$ 210	\$ -48
Design man and of lamba acid	s	\$22.86	\$22,95	\$24, 19
Price per cwt. of lambs sold Price per 1b. wool sold (cts.)	Ψ	41.5	40.4	44.0
Pounds of wool per sheep sheared		8.3	8.1	9.1
Townes of Moor ber sueeh suester	**************************************	-		•
Number of ewes kept for lambing		41	46	40
Per cent lamb crop**		94	104	78
Per cent death loss**	-	9.5	7.2	12.0
Pounds of sheep produced	the state of the s	3,589	4,046	2,984
No. of head of sheep*	and the second s	61.1	64.2	62.9

^{*} Two lambs under six months of age considered as one head.

Table 20. Feed Costs and Returns from Feeder Lambs, 1952

Items	Your farm	Average of 4 farms
Feed per cwt. lambs produced, lbs.:	'	
Concentrates	entage de republicamentes a remaios, nos als referinções	851
Legume hay	-	24 8
Other hay	Market Agent Annual Annual Security	99
Silage		162
Feed cost per cwt. lambs produced	management of the second secon	\$ 25.28
Net increase in value per cwt. produced Return above feed cost per cwt. produced	education responses resident and wide and selection of the selection of th	15.67 -9.61
RETURN FOR \$100 OF FEED	magasty management and protect (MSAS).	\$ 62
Price received per cwt. lambs sold		\$ 25.13
Price paid per cwt. lambs bought		23.44
Pounds of lambs produced	mga(g)papagamanan normal mengan m	13,758

^{**} Lambs which die during month of birth are not included,

Table 21. Feed Costs and Returns from Chickens, 1952*

			18 farms	18 farms
		Average	highest in	lowest in
Items	Your	of 90	return	return
	farm	farms	above feed	above feed
Feed per hen, 1bs.:				
Grain		101	85	109
Commercial feeds		48	50	<u>40</u>
Total concentrates		149	135	149
Skim milk and buttermilk		3	2	: 9
TOTAL FEED COST PER HEN	\$	\$ 4.88	\$ 4.64	\$ 4.83
Value of produce per hen:	1 0000			
Eggs sold and used in house		\$ 5.00	\$ 6.36	\$ 3.45
Net increase in value of chickens		.50_	1.11	
TOTAL VALUE PRODUCED	\$	5.50	7.47	<u>05</u> 3.40
TOTAL ANDOM LITOROGIA	Ψ			
RETURNS ABOVE FEED COST PER HEN	\$	\$.62	\$ 2.83	\$-1.43
RETURNS FOR \$100 OF FEED	\$	\$ 115	\$ 165	\$ 67
Price rec'd per doz. eggs sold (cts.)	34.3	35.7	32,6
Eggs laid per hen		174	214	126
		221	253	19 1
Ave, no. of hens on farm during year	***************************************	231	29J 94	88
Per cent of hens that are pullets		88	•	15
Per cent death loss of hens	•	14	9	1.5
Number of chicks started:		100	7.041	102
Straight run		120	194	
Pullets		298	302	182
Cockerels		23	17	20
Lbs. chickens produced		1,351	1,606	908

^{*} Includes feeds and returns from laying flock and rearing flock.

Table 22. Feed Cost and Returns from Laying Hens, 1952

Items	You r farm	Average of 29 farms
Feed per hen, lbs.: Grain Commercial feeds Total concentrates Skim milk		77 34 111 4
Total feed cost per hen	\$	\$ 3.69
Value of produce per hen: Eggs sold and used in home Less depreciation and death loss Total value produced	\$	\$ 5.07 86 4.21
Return above feed cost per hen Return for \$100 of feed Eggs laid per hen Price rec'd per doz. eggs sold (cts.) Ave. no. hens on farm during year No. of hens on hand beginning of year Per cent death loss Per cent of hens that are pullets	\$ \$	\$.52 \$ 114 176 34.3 256 307 14 82

Table 23. Feed Costs and Returns from Chicks, 1952

	Your	Average of
Items	farm	22 farms
Feed per 100 chicks raised, 1bs.:		
Grain		1,132
Commercial feeds		920
Total concentrates		2,052
Skim milk	Magagina wang yang dan Tarif	64
M. 1-1 Sand new 100 chicks reised		\$75.71
Total feed cost per 100 chicks raised	——————————————————————————————————————	74.69
Net increase in value per 100 chicks		-1.02
Return over feed cost per 100 chicks	And the second s	
Return for \$100 of feed	\$	\$ 99
Number of chicks bought:		
Pullets		602
Straight run		134
Cockerels		165
Price paid per 100 chicks bought:		
Pullets	\$	\$39.77
Straight run		23.20
Cockerels		4.46
		16
Per cent death loss		732
Number chicks raised	· · · · · · · · · · · · · · · · · · ·	21.8
Price rec'd per pound sold (cts.)		2,980
Pounds of poultry produced	Consideration of the Constitution of the Const	2, ,00

EXPLANATION OF "WORK UNITS"

The total "work units" for any one farm is a measure of the size of that farm business. A work unit as used in this report is the average accomplishment of a farm worker, in a ten hour day, working on crops and productive livestock at average efficiency or ten hours of work off the farm for pay. The number of work units for each class of livestock and each acre of crop are presented in table 24.

Table 24. Number of Work Units for Each Class of Livestock and Each Acre of Crop

Item	No. of work units	Item	No. work	of units
Dairy and dual-purpose cows Other dairy & du.pur. cattle Beef breeding herd Feeder cattle Sheep - farm flock Sheep - feeders Hogs Turkeys Hens Canning peas Soybeans for grain	14.0 per cow 4.0 per an. unit* 5.0 per an. unit* .35 per 100 lbs. 1.8 per an. unit* .4 per 100 lbs. .3 per 100 lbs. .7 per 100 lbs. 22.0 per 100 hens 2.0 per acre .7 per acre	Small grain Sugar beets Sweet corn Corn husked Corn, hogged Corn, shredded Corn, silage Corn, fodder Alfalfa hay Soybean hay Other hay crops	.7 per 3.0 per 2.3 per 1.1 per .7 per 2.2 per 1.7 per 1.0 per .9 per 1.4 per .6 per	acre acre acre acre acre acre acre acre

^{*} Animal unit represents one dairy cow or bull, two other dairy cattle, 1 1/4 beef cows or bull, 1 feeder steer or heifer, 3 1/3 other beef cattle, 7 sheep, 14 lambs, 2 1/2 hogs, 5 pigs, 50 hens or 1,100 pounds of turkeys produced.

Table 25. Summary of Farm Earnings by Years

Items	Average 1940-42	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
No. of farms	165	164	163	153	142	137	136	131	139	122	118
Total farm capital	\$35688	and the second second			\$36810	\$39671		\$46452	\$50868	\$ 54869	\$58082
Monthly charge for:	TJJ	10,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Unpaid family labor*	52	75	85	90	110	130	130	130	130	130	130
Board to hired labor*	21	25	25	25	30	36	36	36	36	36	36
FARM EXPENSES											d och
Dairy and dual-pur. cattle bought	\$ 118	\$ 135	\$ 112	\$ 118	\$ 237	\$ 135	\$ 170	\$ 214	\$ 321	\$ 252	\$ 264
Beef cattle bought (incl. feeders)	1576	1187	1109	1390	1754	1916	2341	2733	4120	5581	4461
Hogs bought	217	408	315	377	382	646	389	441	478	395	361
Sheep bought (incl. feeders)	655	694	321	600	464	301	97	365	543	881	569
Poultry bought (incl. turkeys)	111	165	200	195	164	156	133	179	164	246	122
Horses bought	38	33	43	15	14	14	11	2	6	5	4
Miscellaneous livestock expense	110	199	173	194	198	270	273	304	328	391	369
Miscellaneous crop expenses	308	507	582	575	750	1055	1112	851	966	995	1079
Feed bought	1654	3080	2164	2416	2669	4014	3926	2929	3807	4973	4318
Custom work hired	163	215	261	292	300	394	421	375	382	406	439
Power machinery (new)	360	180	337	200	449	847	1173	1116	1164	1063	610
Power machinery (upkeep, gas, oil	480	617	699	817	963	1116	1277	1233	1308	1336	1438
Crop and general machinery (new)	374	221	332	414	601	897	1328	1319	1248	1121	871
Crop and general machinery (upkee)		157	174	195	258	290	368	310	292	306	323
Livestock equipment (new)	110	138	91	78	97	122	108	88	124		124
Livestock equipment (upkeep)	37	87	78	94	92	114	131	126	125	142	121
Buildings and fencing (new)	391	236	297	370	409	754	941	908	741	1082	1023
Buildings and fencing (upkeep)	128	168	192	219	268	311	413	384	331	286	331
Hired labor	525	739	651	6 3 6	723	796	944	872	843	910	835
Taxes	335	335	311	311	367	378	459	499	534		627
Insurance	27	40	41	41	49	61	71	56	78		87
General farm	58	72	80	84	108		140	146	<u> 146</u>		<u> 162</u>
Total farm purchases	7871	9613	8563	9631	11316	14699	16226	15450	18049	21335	18538
Decrease in farm capital	***		412	-		240	•••		***	***	-
Interest on farm capital	1784	1880	1800	1794	1841	1984	2207	2323	2543	2743	2904
Unpaid family labor	300	335	316	322	363	422	421	356	360	367	335
Board furnished hired labor	148	147	118	83	105	116	127	102	99	79	91
Total farm expense	\$10103	\$11975		\$11830					\$21051	\$24524	\$21868

^{*} These adjustments should be considered in comparing 1952 results with previous years.

	Average						1_	t			
Items	1940-42	1943	1944	1945	1946	1947	1948	1949	1950	1951	195
FARM RECEIPTS											
Dairy and dual-pur. cattle	\$ 368	\$ 419	\$ 392	\$ 473	\$ 515	\$ 688	\$ 616	\$ 572	\$ 904	\$ 781	\$ 76
Dairy products	711	916	865	906	1083	1031	1046	874	885	1015	112
Beef cattle	3211	3590	2478	3777	3711	4248	4508	4988	6438	9411	811
Hogs	2601	5630	4671	4484	6166	8662	8207	6358	6801	7930	732
Sheep and wool	968	968	768	926	834	766	421	308	810	753	105
Poultry (incl. turkeys)	456	622	829	659	620	- 444	418	485	590	838	18
Eggs	389	905	911	977	993	1043	1108	1052	790	1055	87:
Horses	43	45	47	27	24	28	25	12	14	6	1.
Corn	<i>5</i> 39	724	578	587	814	1183	1498	1606	1542	997	124
Small grain	1034	1382	66 9	949	1446	2436	3818	1626	1694	1240	121
Other crops	296	510	600	673	878	911	1160	772	677	901	98:
Machinery and equip. sold	220	137	185	251	363	383	355	470	446	644	378
Agri. adjustment payment	504	264	74	51	121	61	65	29	57	72	7
Income work off the farm	184	137	183	295	343	344	306	277	290	3 98	34:
Miscellaneous	245	185	197	48	67	83	124	66	112	<u>130</u>	15
Total farm sales	\$11769	\$16434	\$13447	\$15083	\$17978	\$22311	\$23675	\$19495	\$22050	\$26171	\$2384
Increase in farm capital	1966	2		314	3223	5634	1542	1260	5214	2561	121
Family living from farm	535	<u>588</u>	572	635	679	667	702	649	669	708	748
Total farm receipts	\$14270	\$17024	\$14019	\$16032	\$21880	\$28612	\$25919	\$21404	\$27933	\$29440	\$2580
Total farm expenses	10103	11975	11209	11830	13625	17221	18981	18231	21051	24524	2186
Oper. lab. earn.	4167	5049	2810	4202	8255	11391	6938	3173	6882	4916	393
MEAS. OF FARM ORG. AND MANAGEMEN	T										
Per cent high return crops*	37.1	40.3	54.2	55.7	55.4	56. 9	55.7	58.3	54.4	60.2	60.9
Livestock units per 100 A. **	23.8	25.1	21.4	22.1	20.7	20.1	19.5	19.3	20.0	31.7	33.2
Work units	608	586	530	535	514	483	489	483	502	529	515
Work units per worker	269	279	279	297	286	284	272	284	295	311	32
Expenses per work unit	\$2.46	\$3. 52	\$4.20	\$4.52	\$5.0 8	\$ 6. 39	\$7.41	\$7.75	\$8.01	\$7.75	\$8.29
ACRES PER FARM	288	280	2 68	2 68	260	243	250	249	257	25 6	260
Crop acres per farm	218	212	191	203	200	186	197	197	203	198	20:
YIELDS PER ACRE											
Flax, bu.	12.4	9.5	6.0	13.8	13.3	13.4	15.2	12.9	15.1	9.8	13.8
Barley, bu.	32.0	10.7	18.8	44.3	33.4	28.9	39.3	24.4	38.0	23.2	28.
Oats, bu.	43.8	34.3	36.3	51.8	42.1	42.0	53.0	42.7	47.0	47.7	44.(
Corn, grain bu.	53.2	39.6	49.6	33.5	53.1	40.4	63.1	49.1	44.9	38.3	58.5
Corn silage, ton	9.4	8.5	7.5	7.1	8,9	6.9	10.1	9.2	8.7	7.5	9.5
Alfalfa hay, ton	2.2	2.3	2,0	2.1	2.1	2.2	2.1	2.0	2.0	2.5	2.6

^{*} The crop ratings used in calculating the percentage of the tillable land in high return crops was changed considerably in 1944.

^{**} The basis for computing animal units was revised in 1951.

Table 26. Summary of Miscellaneous Items by Years

		~~~~		 		,			······································	
Average 1940-42	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
		•								
^{\$} 56,68	\$ 69. 86	\$69.45	\$92.30 ^{\$}	121.08 ⁸	3104-00 ^{\$}	151,25 ^{\$}	106, 16 ^{\$}	30.70	3 139, 19 ⁸	117.68
39.97	41.21	46.01	61.28	94.26	58. 91	65.54	49.92	63.97	66.65	41.22
				-						30.37
										-2.45
										-2.00
								-	-	-9.61
		_				_				2,48
								_		.62
		•	_	•			-			
			F	· · · · · · · · · · · · · · · · · · ·			* . 			
^{\$} 54,20	\$88.03	\$88.04	\$92,68\$, 103, 69	, 148,42	140.00 ^{\$}	121.28	⁵ 136.67	51.50.85 ⁸	^{\$} 148.11
42.53	70.09	68.02	78.02	87.82	121.01	122.80	97.55	123.55	108.86	114.56
_	-								_	
									-	7.77
										25.28
									14.17	13.87
		3.46	•							
					_	_				_
4.1	3.7	3.3	3.1	2.6	2.0	1.6	1.1	.8	.6	.5
.9	.7	.6	. 3	. 2	.1	_		_	.1	_
8.8	7.6	6,6	6.1	5.7		4.8	4.6	4.6	4.5	4.5
	10.7	13.5	10.8	10.7	8.0		8.3	8.0	_	11.6
-	8483		7695	6083	5717			8699		12152
	, –					••			· ·	
16.9	25.4	16.7	19.4	18.1	19.5	20.2	20.3	22.7	23.4	21.5
•	-	•	•				_			38436
				-	_					179
, ,										
251	251	226	242	244	259	258	284	277	280	282
	_					_				171
		•			_	•	•	_		6.7
_				-			_	_		94
122	146	157	163	174	170	170	177	175	176	174
	\$56.68 39.97 26.26 3.52 4.95 5.60 4.66 1.46 9.82 \$54.20 42.53 32.66 10.16 2.79 9.92 5.53 1.59 8.98 4.1 9.81 10.961 16.9 27802 177 251 186 6.3 110	\$56.68 \$69.86 39.97 \$41.21 26.26 18.54 3.52 1.43 4.95 3.37 5.60 4.24 4.66 2.93 1.46 2.48 9.82 12.31 \$54.20 \$88.03 42.53 70.09 32.66 46.58 10.16 17.25 2.79 4.14 9.92 13.85 5.53 9.89 1.59 3.17 8.98 14.96 4.1 3.7 .9 .7 8.8 7.6 9.4 10.7 10961 8483 16.9 25.4 27802 39596 177 223 251 251 186 182 6.3 6.0 110 105	\$56.68 \$69.86 \$69.45 39.97 \$41.21 \$46.01 26.26 \$18.54 \$12.20 3.52 \$1.43 \$3.56 4.95 \$3.37 \$3.00 5.60 \$4.24 \$10.85 4.66 \$2.93 \$3.31 1.46 \$2.48 \$1.71 9.82 \$12.31 \$10.27 \$54.20 \$88.03 \$88.04 42.53 \$70.09 \$68.02 32.66 \$46.58 \$49.92 10.16 \$17.25 \$15.06 2.79 \$4.14 \$3.78 9.92 \$13.85 \$12.98 5.53 \$9.89 \$10.32 1.59 \$3.17 \$3.46 8.98 \$14.96 \$14.88 4.1 \$3.7 \$3.3 .9 \$7.6 \$6.6 9.4 \$10.7 \$13.5 10961 \$8483 \$5315 16.9 \$25.4 \$16.7 27802 \$39596 \$29054 177 \$223 \$230 251 \$251 \$226 186 \$182 \$172 6.3 \$6.0 \$5.9 110 \$105 \$94	\$56.68 \$69.86 \$69.45 \$92.30\$ 39.97 \$41.21 \$46.01 61.28 26.26 \$18.54 \$12.20 \$24.00 3.52 \$1.43 \$3.56 \$7.38 4.95 \$3.37 \$3.00 \$4.86 5.60 \$4.24 \$10.85 \$9.44 4.66 \$2.93 \$3.31 \$5.23 1.46 \$2.48 \$1.71 \$2.63 9.82 \$12.31 \$10.27 \$12.17 \$54.20 \$88.03 \$88.04 \$92.68\$ 42.53 \$70.09 \$68.02 \$78.02 32.66 \$46.58 \$49.92 \$52.84 10.16 \$17.25 \$15.06 \$15.62 2.79 \$4.14 \$3.78 \$4.33 9.92 \$13.85 \$12.98 \$15.15 5.53 \$9.89 \$10.32 \$9.04 1.59 \$3.17 \$3.46 \$3.53 8.98 \$14.96 \$14.88 \$14.89 4.1 \$3.7 \$3.3 \$3.1 .9 .7 .6 .3 8.8 \$7.6 \$6.6 \$6.1 9.4 \$10.7 \$13.5 \$10.8 10961 \$8483 \$5315 \$7695 16.9 \$25.4 \$16.7 \$19.4 27802 \$39596 \$29054 \$33994 177 \$223 \$230 \$215 251 \$251 \$26 \$242 186 \$182 \$172 \$182 6.3 \$6.0 \$5.9 \$6.2 110 \$105 \$94 \$99	\$56.68 \$69.86 \$69.45 \$92.30 \$121.08 \$39.97 \$41.21 \$46.01 61.28 \$94.26 \$26.26 \$18.54 \$12.20 \$24.00 \$42.12 \$3.52 \$1.43 \$3.56 \$7.38 \$8.59 \$4.95 \$3.37 \$3.00 \$4.86 \$10.97 \$5.60 \$4.24 \$10.85 \$9.44 \$18.02 \$4.66 \$2.93 \$3.31 \$5.23 \$7.68 \$1.46 \$2.48 \$1.71 \$2.63 \$2.27 \$9.82 \$12.31 \$10.27 \$12.17 \$16.13 \$54.20 \$88.03 \$88.04 \$92.68 \$103.69 \$42.53 \$70.09 \$68.02 \$78.02 \$87.82 \$32.66 \$46.58 \$49.92 \$52.84 \$58.59 \$10.16 \$17.25 \$15.06 \$15.62 \$18.03 \$2.79 \$4.14 \$3.78 \$4.33 \$4.74 \$9.92 \$13.85 \$12.98 \$15.15 \$19.30 \$5.53 \$9.89 \$10.32 \$9.04 \$11.95 \$1.59 \$3.17 \$3.46 \$3.53 \$3.95 \$14.96 \$14.88 \$14.89 \$15.80 \$4.1 \$3.7 \$3.3 \$3.1 \$2.6 \$9.4 \$10.7 \$13.5 \$10.8 \$10.7 \$10961 \$8483 \$5315 \$7695 \$6083 \$16.9 \$25.4 \$16.7 \$19.4 \$18.1 \$27802 \$39596 \$29054 \$33994 \$34524 \$177 \$223 \$230 \$215 \$210 \$251 \$251 \$251 \$226 \$242 \$244 \$186 \$182 \$172 \$182 \$191 \$6.3 \$6.0 \$5.9 \$6.2 \$6.4 \$100 \$94 \$99 \$108 \$10.99 \$108 \$10.99 \$108 \$10.99 \$108 \$10.99 \$10.99 \$10.90 \$10.99 \$10.90 \$10.99 \$10.90 \$10.99 \$10.90 \$10.90 \$10.99 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$10.90 \$1	\$56.68 \$69.86 \$69.45 \$92.30 \$121.08 \$104.00 \$39.97 \$41.21 \$46.01 \$61.28 \$94.26 \$58.91 \$26.26 \$18.54 \$12.20 \$24.00 \$42.12 \$53.27 \$3.52 \$1.43 \$3.56 \$7.38 \$8.59 \$9.10 \$4.95 \$3.37 \$3.00 \$4.86 \$10.97 \$6.71 \$5.60 \$4.24 \$10.85 \$9.44 \$18.02 \$-3.14 \$4.66 \$2.93 \$3.31 \$5.23 \$7.68 \$9.09 \$1.46 \$2.48 \$1.71 \$2.63 \$2.27 \$1.47 \$9.82 \$12.31 \$10.27 \$12.17 \$16.13 \$-\$\$54.20 \$88.03 \$88.04 \$92.68 \$103.69 \$148.42 \$42.53 \$70.09 \$68.02 \$78.02 \$87.82 \$121.01 \$32.66 \$46.58 \$49.92 \$52.84 \$58.59 \$89.20 \$10.16 \$17.25 \$15.06 \$15.62 \$18.03 \$29.24 \$2.79 \$4.14 \$3.78 \$4.33 \$4.74 \$6.81 \$9.92 \$13.85 \$12.98 \$15.15 \$19.30 \$38.18 \$5.53 \$9.89 \$10.32 \$9.04 \$11.95 \$16.64 \$1.59 \$3.17 \$3.46 \$3.53 \$3.95 \$4.99 \$8.98 \$14.96 \$14.88 \$14.89 \$15.80 \$-\$\$\$10.7 \$13.5 \$10.8 \$10.7 \$8.0 \$10.961 \$8483 \$5315 \$7695 \$6083 \$5717 \$16.9 \$25.4 \$16.7 \$19.4 \$18.1 \$19.5 \$27802 \$39596 \$29054 \$33994 \$34524 \$34163 \$177 \$223 \$230 \$215 \$210 \$200 \$251 \$251 \$266 \$242 \$244 \$259 \$186 \$182 \$172 \$182 \$191 \$185 \$6.3 \$6.0 \$5.9 \$6.2 \$6.4 \$6.1 \$10 \$105 \$94 \$99 \$108 \$110	\$56.68 \$69.86 \$69.45 \$92.30 \$121.08 \$104.00 \$151.25 \$39.97 \$41.21 \$46.01 61.28 \$94.26 58.91 65.54 \$26.26 18.54 12.20 24.00 \$42.12 53.27 62.42 3.52 1.43 3.56 7.38 8.59 9.10 10.49 \$4.95 3.37 3.00 \$4.86 10.97 6.71 9.90 5.60 \$4.24 10.85 9.44 18.02 -3.14 -18.19 \$4.66 2.93 3.31 5.23 7.68 9.09 5.07 1.46 2.48 1.71 2.63 2.27 1.47 1.95 9.82 12.31 10.27 12.17 16.13 \$54.20 \$88.03 \$88.04 \$92.68 \$103.69 \$148.42 \$140.00 \$42.53 70.09 68.02 78.02 87.82 121.01 122.80 32.66 \$46.58 \$49.92 52.84 58.59 89.20 71.66 17.25 15.06 15.62 18.03 29.24 26.34 2.79 \$4.14 3.78 \$4.33 \$4.74 6.81 6.95 9.92 13.85 12.98 15.15 19.30 38.18 34.89 5.53 9.89 10.32 9.04 11.95 16.64 15.80 1.59 3.17 3.46 3.53 3.95 \$4.99 \$4.99 \$8.98 14.96 14.88 14.89 15.80 4.1 3.7 3.3 3.1 2.6 2.0 1.6 .9 .7 .6 .3 .2 .1 8.8 7.6 6.6 6.1 5.7 5.2 \$4.8 9.4 10.7 13.5 10.8 10.7 8.0 9.0 10961 8483 5315 7695 6083 5717 7117 16.9 25.4 16.7 19.4 18.1 19.5 20.2 27802 39596 29054 33994 34524 34163 35651 177 223 230 215 210 200 200 200 251 251 226 242 244 259 258 186 182 172 182 191 185 172 6.3 6.0 5.9 6.2 6.4 6.1 6.6 110 105 94 99 108 110 111	\$56.68 \$69.86 \$69.45 \$92.30 \$121.08 \$104.00 \$151.25 \$106.16 \$39.97 \$41.21 \$46.01 61.28 \$94.26 58.91 65.54 \$49.92 \$26.26 18.54 12.20 \$24.00 \$42.12 53.27 62.42 50.51 3.52 1.43 3.56 7.38 8.59 9.10 10.49 8.78 \$4.95 3.37 3.00 \$4.86 10.97 6.71 9.90 8.58 5.60 \$4.24 10.85 9.44 18.02 -3.14 -18.19 - \$4.66 2.93 3.31 5.23 7.68 9.09 5.07 4.37 1.46 2.48 1.71 2.63 2.27 1.47 1.95 2.44 9.82 12.31 10.27 12.17 16.13 \$54.20 \$88.03 \$88.04 \$92.68 \$103.69 \$148.42 \$140.00 \$121.28 \$42.53 70.09 68.02 78.02 87.82 121.01 122.80 97.55 32.66 \$46.58 \$49.92 52.84 58.59 89.20 71.66 69.21 10.16 17.25 15.06 15.62 18.03 29.24 26.34 19.08 2.79 \$4.14 3.78 \$4.33 \$4.74 6.81 6.95 5.25 9.92 13.85 12.98 15.15 19.30 38.18 34.89 - 5.53 9.89 10.32 9.04 11.95 16.64 15.80 11.05 1.59 3.17 3.46 3.53 3.95 \$4.99 \$4.99 3.94 8.98 14.96 14.88 14.89 15.80	\$56.68 \$69.86 \$69.45 \$92.30 \$121.08 \$104.00 \$151.25 \$106.16 \$130.70 \$39.97 \$41.21 \$46.01 \$61.28 \$94.26 \$8.91 \$65.54 \$49.92 \$63.97 \$26.26 \$18.54 \$12.20 \$24.00 \$42.12 \$53.27 \$62.42 \$50.51 \$85.59 \$3.52 \$1.43 \$3.56 \$7.38 \$8.59 \$9.10 \$10.49 \$8.78 \$17.09 \$4.95 \$3.37 \$3.00 \$4.86 \$10.97 \$6.71 \$9.90 \$8.58 \$14.29 \$5.60 \$4.24 \$10.85 \$9.44 \$18.02 \$-3.14 \$-18.19 \$-20.52 \$4.66 \$2.93 \$3.31 \$5.23 \$7.68 \$9.09 \$5.07 \$4.37 \$6.85 \$9.82 \$12.31 \$10.27 \$12.17 \$16.13 \$	\$56.68 \$69.86 \$69.45 \$92.30 \$121.08 \$104.00 \$151.25 \$106.16 \$130.70 \$139.19 \$139.97 \$41.21 \$46.01 \$61.28 \$94.26 \$58.91 \$65.54 \$49.92 \$63.97 \$66.65 \$26.26 \$18.54 \$12.20 \$24.00 \$42.12 \$53.27 \$62.42 \$50.51 \$85.59 \$130.06 \$3.52 \$1.43 \$3.56 \$7.38 \$8.59 \$9.10 \$10.49 \$8.78 \$17.09 \$13.00 \$4.95 \$3.37 \$3.00 \$4.86 \$10.97 \$6.71 \$9.90 \$8.58 \$14.29 \$13.33 \$5.60 \$4.24 \$10.85 \$9.44 \$18.02 \$-3.14 \$-18.19 \$- 20.52 \$-4.66 \$2.93 \$3.31 \$5.23 \$7.68 \$9.09 \$5.07 \$4.37 \$6.85 \$4.85 \$1.46 \$2.48 \$1.71 \$2.63 \$2.27 \$1.47 \$1.95 \$2.44 \$83 \$2.09 \$9.82 \$12.31 \$10.27 \$12.17 \$16.13 \$- \$- \$- \$3.31 \$- \$\$\$\$4.20 \$88.03 \$88.04 \$92.68 \$103.69 \$148.42 \$140.00 \$121.28 \$136.67 \$150.85 \$42.53 \$70.09 \$68.02 \$78.02 \$87.82 \$121.01 \$122.80 \$97.55 \$123.55 \$108.86 \$32.66 \$46.58 \$49.92 \$52.84 \$58.59 \$89.20 \$71.66 \$69.21 \$82.24 \$114.85 \$10.16 \$17.25 \$15.06 \$15.62 \$18.03 \$29.24 \$26.34 \$19.08 \$20.13 \$23.44 \$2.79 \$4.14 \$3.78 \$4.33 \$4.74 \$6.81 \$6.95 \$5.25 \$7.06 \$7.59 \$9.92 \$13.85 \$12.98 \$15.15 \$19.30 \$38.18 \$34.89 \$- \$25.51 \$- \$5.53 \$9.89 \$10.32 \$9.04 \$11.95 \$16.64 \$15.80 \$11.05 \$12.03 \$14.15 \$15.99 \$1.5 \$15.86 \$15.80 \$14.89 \$15.80 \$- \$- \$- \$- \$- \$- \$- \$- \$- \$- \$- \$- \$-

^{*} The basis for computing animal units was revised in 1951.

Table 26. Summary of Miscellaneous Items by Years (continued)

Average	าดนร	n oht	1045	1946	1947	1948	1949	1950	1951	195 2
1940-42	エクマン	1,777	1)1)							
	r e			. 7.						
\$.37	\$. 53	\$. 58	\$.62	\$,76	\$.76	\$.86	\$.66			\$,80
	13.68	13.83	14.95	16.54	23.45	29.12	24.50	27.24	<i>33-73</i>	30.16
			15.91	18.44	24.76	29.23	- Yarkon	2 5.82	24406	25.13
				. 43		.42	.42	. 55	1.00	. 42
					24.66	23.29	18.29	17, 93	19.61	17.34
	-		•				.39	. 30	.40	, 34
. 20	.32	, 34	,32	.37	_			. 29	***	***
										* * * * * * * * * * * * * * * * * * * *
,**.							,			4
\$. 56	\$.91	\$.92	\$,86	\$1.14	\$1.54					\$1.34
	. 60	.70	. 64	.70	.90	- 88	• 59	. 72		.76
	.77	.92	, 94	1.22	1.80	1.59	. 99	1.20	1.23	1.21
				16.00	22,00	20,00	20.00	21.00	19.00	17.00
5.15	6.75	9.00	9.00	9.60	12.50	11.60	11.60	12,20	11.00	9.80
o he	2 62	۲ ۵۵	£ 00	K K0	8 00	5 85	6.00	6.70	6.00	5.75
		-						-	and the second of the second o	3.45
					_				-	4,85
					-					6. 50
								-	_	5.60
2.20	2.80	3.15	3.00		: 4, 80	5.10	4, 05	フ・ソ ラ	4.00	00 و و
	\$.37 10.39 10.43 .36 9.12 .21 .20 \$.56 .33 .41 8.00 5.15 2.45 1.60 2.05 3.25	\$.37 \$.53 10.39 13.68 10.43 14.52 .36 .41 9.12 13.80 .21 .35 .20 .32 \$.56 \$.91 .33 .60 .41 .77 8.00 11.00 5.15 6.75 2.45 3.62 1.60 2.10 2.05 2.55 3.25 4.00	\$.37 \$.53 \$.58 10.39 13.68 13.83 10.43 14.52 15.32 .36 .41 .41 9.12 13.80 13.12 .21 .35 .31 .20 .32 .34 \$.56 \$.91 \$.92 .33 .60 .70 .41 .77 .92 8.00 11.00 15.00 5.15 6.75 9.00 2.45 3.62 5.00 1.60 2.10 2.20 2.05 2.55 2.85 3.25 4.00 4.18	1940-42 1943 1944 1945 \$.37 \$.53 \$.58 \$.62 10.39 13.68 13.83 14.95 10.43 14.52 15.32 15.91 .36 .41 .41 .42 9.12 13.80 13.12 14.27 .21 .35 .31 .35 .20 .32 .34 .32 \$.56 \$.91 \$.92 \$.86 .33 .60 .70 .64 .41 .77 .92 .94 8.00 11.00 15.00 15.00 5.15 6.75 9.00 9.00 2.45 3.62 5.00 5.00 1.60 2.10 2.20 2.18 2.05 2.55 2.85 2.88 3.25 4.00 4.18 4.10	1940-42 1943 1944 1945 1946 \$.37 \$.53 \$.58 \$.62 \$.76 10.39 13.68 13.83 14.95 16.54 10.43 14.52 15.32 15.91 18.44 .36 .41 .41 .42 .43 9.12 13.80 13.12 14.27 17.17 .21 .35 .31 .35 .34 .20 .32 .34 .32 .37 \$.56 \$.91 \$.92 \$.86 \$1.14 .33 .60 .70 .64 .70 .41 .77 .92 .94 1.22 8.00 11.00 15.00 15.00 16.00 5.15 6.75 9.00 9.00 9.60 2.45 3.62 5.00 5.00 5.50 1.60 2.10 2.20 2.18 2.70 2.05 2.55 2.85 2.88 3.30 3.25 4.00 4.18 4.10 5.10 </td <td>\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.0.39 13.68 13.83 14.95 16.54 23.45 10.43 14.52 15.32 15.91 18.44 24.76 .36 .41 .41 .42 .43 .37 9.12 13.80 13.12 14.27 17.17 24.66 .21 .35 .31 .35 .34 .38 .20 .32 .34 .32 .37 - \$.56 \$.91 \$.92 \$.86 \$1.14 \$1.54 .33 .60 .70 .64 .70 .90 .41 .77 .92 .94 1.22 1.80 8.00 11.00 15.00 15.00 16.00 22.00 5.15 6.75 9.00 9.00 9.60 12.50 2.45 3.62 5.00 5.00 5.50 8.00 1.60 2.10 2.20 2.18 2.70 3.20 2.05 2.55 2.85 2.88 3.30 4.25 3.25 4.00 4.18 4.10 5.10 6.75</td> <td>\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.0.39 13.68 13.83 14.95 16.54 23.45 29.12 10.43 14.52 15.32 15.91 18.44 24.76 29.23 .36 .41 .41 .42 .43 .37 .42 9.12 13.80 13.12 14.27 17.17 24.66 23.29 .21 .35 .31 .35 .34 .38 .40 .20 .32 .34 .32 .37 \$.56 \$.91 \$.92 \$.86 \$1.14 \$1.54 \$1.64 .33 .60 .70 .64 .70 .90 .88 .41 .77 .92 .94 1.22 1.80 1.59 8.00 11.00 15.00 15.00 16.00 22.00 20.00 5.15 6.75 9.00 9.00 9.60 12.50 11.60 2.45 3.62 5.00 5.00 5.50 8.00 5.85 1.60 2.10 2.20 2.18 2.70 3.20 4.00 2.05 2.55 2.85 2.88 3.30 4.25 4.55 3.25 4.00 4.18 4.10 5.10 6.75 6.45</td> <td>\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.66 \$ 10.39 13.68 13.83 14.95 16.54 23.45 29.12 24.50 10.43 14.52 15.32 15.91 18.44 24.76 29.2336 .41 .41 .42 .43 .37 .42 .42 9.12 13.80 13.12 14.27 17.17 24.66 23.29 18.29 .21 .35 .31 .35 .34 .38 .40 .39 .20 .32 .34 .32 .37</td> <td>\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.66 \$.66 \$.039 13.68 13.83 14.95 16.54 23.45 29.12 24.50 27.24 10.43 14.52 15.32 15.91 18.44 24.76 29.23 - 25.82 .36 .41 .41 .42 .43 .37 .42 .42 .55 9.12 13.80 13.12 14.27 17.17 24.66 23.29 18.29 17.93 .21 .35 .31 .35 .34 .38 .40 .39 .30 .20 .32 .34 .32 .37 229 \$.56 \$.91 \$.92 \$.86 \$1.14 \$1.54 \$1.64 \$1.02 \$1.20 .33 .60 .70 .64 .70 .90 .88 .59 .72 .41 .77 .92 .94 1.22 1.80 1.59 .99 1.20 8.00 11.00 15.00 15.00 16.00 22.00 20.00 20.00 21.00 5.15 6.75 9.00 9.00 9.60 12.50 11.60 11.60 12.20 2.45 3.62 5.00 5.00 5.50 8.00 5.85 6.00 6.70 1.60 2.10 2.20 2.18 2.70 3.20 4.00 2.80 2.80 2.05 2.55 2.85 2.88 3.30 4.25 4.55 4.00 3.95 3.25 4.00 4.18 4.10 5.10 6.75 6.45 6.25 6.30</td> <td>\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.66 \$.66 \$.75 \$ 10.39 13.68 13.83 14.95 16.54 23.45 29.12 24.50 27.24 33.73 10.43 14.52 15.32 15.91 18.44 24.76 29.23 - 25.82 - 36 .41 .41 .42 .43 .37 .42 .42 .55 1.00 9.12 13.80 13.12 14.27 17.17 24.66 23.29 18.29 17.93 19.61 .21 .35 .31 .35 .34 .38 .40 .39 .30 .40 .20 .32 .34 .32 .37 29 29 29 29 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40</td>	\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.0.39 13.68 13.83 14.95 16.54 23.45 10.43 14.52 15.32 15.91 18.44 24.76 .36 .41 .41 .42 .43 .37 9.12 13.80 13.12 14.27 17.17 24.66 .21 .35 .31 .35 .34 .38 .20 .32 .34 .32 .37 - \$.56 \$.91 \$.92 \$.86 \$1.14 \$1.54 .33 .60 .70 .64 .70 .90 .41 .77 .92 .94 1.22 1.80 8.00 11.00 15.00 15.00 16.00 22.00 5.15 6.75 9.00 9.00 9.60 12.50 2.45 3.62 5.00 5.00 5.50 8.00 1.60 2.10 2.20 2.18 2.70 3.20 2.05 2.55 2.85 2.88 3.30 4.25 3.25 4.00 4.18 4.10 5.10 6.75	\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.0.39 13.68 13.83 14.95 16.54 23.45 29.12 10.43 14.52 15.32 15.91 18.44 24.76 29.23 .36 .41 .41 .42 .43 .37 .42 9.12 13.80 13.12 14.27 17.17 24.66 23.29 .21 .35 .31 .35 .34 .38 .40 .20 .32 .34 .32 .37 \$.56 \$.91 \$.92 \$.86 \$1.14 \$1.54 \$1.64 .33 .60 .70 .64 .70 .90 .88 .41 .77 .92 .94 1.22 1.80 1.59 8.00 11.00 15.00 15.00 16.00 22.00 20.00 5.15 6.75 9.00 9.00 9.60 12.50 11.60 2.45 3.62 5.00 5.00 5.50 8.00 5.85 1.60 2.10 2.20 2.18 2.70 3.20 4.00 2.05 2.55 2.85 2.88 3.30 4.25 4.55 3.25 4.00 4.18 4.10 5.10 6.75 6.45	\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.66 \$ 10.39 13.68 13.83 14.95 16.54 23.45 29.12 24.50 10.43 14.52 15.32 15.91 18.44 24.76 29.2336 .41 .41 .42 .43 .37 .42 .42 9.12 13.80 13.12 14.27 17.17 24.66 23.29 18.29 .21 .35 .31 .35 .34 .38 .40 .39 .20 .32 .34 .32 .37	\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.66 \$.66 \$.039 13.68 13.83 14.95 16.54 23.45 29.12 24.50 27.24 10.43 14.52 15.32 15.91 18.44 24.76 29.23 - 25.82 .36 .41 .41 .42 .43 .37 .42 .42 .55 9.12 13.80 13.12 14.27 17.17 24.66 23.29 18.29 17.93 .21 .35 .31 .35 .34 .38 .40 .39 .30 .20 .32 .34 .32 .37 229 \$.56 \$.91 \$.92 \$.86 \$1.14 \$1.54 \$1.64 \$1.02 \$1.20 .33 .60 .70 .64 .70 .90 .88 .59 .72 .41 .77 .92 .94 1.22 1.80 1.59 .99 1.20 8.00 11.00 15.00 15.00 16.00 22.00 20.00 20.00 21.00 5.15 6.75 9.00 9.00 9.60 12.50 11.60 11.60 12.20 2.45 3.62 5.00 5.00 5.50 8.00 5.85 6.00 6.70 1.60 2.10 2.20 2.18 2.70 3.20 4.00 2.80 2.80 2.05 2.55 2.85 2.88 3.30 4.25 4.55 4.00 3.95 3.25 4.00 4.18 4.10 5.10 6.75 6.45 6.25 6.30	\$.37 \$.53 \$.58 \$.62 \$.76 \$.76 \$.86 \$.66 \$.66 \$.75 \$ 10.39 13.68 13.83 14.95 16.54 23.45 29.12 24.50 27.24 33.73 10.43 14.52 15.32 15.91 18.44 24.76 29.23 - 25.82 - 36 .41 .41 .42 .43 .37 .42 .42 .55 1.00 9.12 13.80 13.12 14.27 17.17 24.66 23.29 18.29 17.93 19.61 .21 .35 .31 .35 .34 .38 .40 .39 .30 .40 .20 .32 .34 .32 .37 29 29 29 29 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .39 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40 .30 .30 .40

Table 27. Monthly and Annual Precipitation

	Worthi	ngton	Fair	mont	Tracy			
	Departure		Departure Departure					
	Precip-	from	Precip-	from	Precip-	from		
	itation	normal	itation	normal	itation	normal		
	Inches	Inches	Inches	Inches	Inches	Inches		
January	1.16	+ .53	1.36	4 .56	1.14	+ - 59		
February	. 72	- °05	. 63	34	1,28	+ .64		
March	1.28	+ .02	2.11	470	2.01	. 84		
April	. 93	-1.15	1.18	-1.05	.72	-1,17		
May	1.80	-2.14	2.25	-1.67	2.06	86		
June	5.54	41.25	4.71	4 . 57	4,56	4.45		
July	1.71	-1.68	5, 89	1 2.33	2,38	41		
August	3,39	37	7.79	.44.24	2,55	- ·53		
September	1.17	-2.24	, 80	-2.52	. 5 1	-2.33		
October	. 00	-1.69	.00	-1.85	00	-1.66		
November	. 54	63	. 86	 53	. <i>5</i> 8	39		
December	. 42	<u>29</u>	. 47	<u>- , 43</u>		<u>30</u>		
1952 Total	18.66	-8.44	28.05	4.01	18.08	-5.1 3		
1951 Total	28.91	∤1. 81	40.80	1 12.76	28.26	+5.05		
1950 Total	21.24	-5.86	26.54	-1.50	21.38	-1.83		
1949 Total	23.51	- 3- <i>5</i> 9	23.81	-4.23	19.08	-4.13		
1948 Total	27.01	-0.09	29.03	1 0.99	anne quin que	over delle spile		
1947 Total	25,89	-1.21	30.49	1 2.45	26.63	+3.42		
Norm. An. Prec.	27.10		28.04	والمساوحة والمناولة	23.21			