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Dakota, Dodge, Freeborn, Goodhue, Le Sueur, Mower, Nicollet, Olmsted, Rice, Scott, Steele, Wabasha, Waseca, and Winona Counties

Cooperating

Annual Report

 $-\Omega$ 

of the

Southeastern Minnesota Farm Management Service

1951

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Cooperator:

Mimeographed Report No. 195 Division of Agricultural Economics University Farm St. Paul 1, Minnesota April 1952

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Twenty-fourth Annual Report of the Farm Management Service of Dakota, Dodge, Freeborn, Goodhue, Le Sueur, Mower, Nicollet, Olmsted, Rice, Scott, Steele, Wabasha, Waseca, and Winona Counties for the year 1951.

Prepared by T. R. Nodland, H. G. Routhe and G. A. Pond

#### INTRODUCTION

The Division of Agricultural Economics and the Division of Agricultural Extension of the University of Minnesota, the Bureau of Agricultural Economics of the United States Department of Agriculture, and the county extension services of Dodge, Freeborn, Goodhue, Rice, Steele, and Waseca counties organized late in 1927 the Farm Management Service Project, to operate in the above named counties, beginning January 1, 1928. Additional counties have since been added. This farm management service is offered to farmers who desire to keep farm records, and to have these records summarized and analyzed in connection with those of other farmers. Each farmer who cooperates in this service mays 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.

General administration of this project, analysis of the records and preparation of the reports is handled by the Division 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. Harvey Bjerke was the field agent for this project. At the end of the year, B. F. Stanton, S. A. Engene, R. M. Dennistoun and Neils Rorholm of the Division of Agricultural Economics aided in closing the records. County agricultural extension agents who cooperate in this project include C. O. Quie, V. Sander, R. E. Jacobs, G. J. Kunau, Russell Miller, Don Hasbargen, F. L. Liebenstein, F. E. Wetherill, Ray Aune, Warren Liebenstein, Chester Graham, J. R. Gute, Herbert Feldman, C. F. Murphy, Norman Mindrum, and Esbern Johnson.

The Southeast Minnesota Farm Management Association was organized in 1939 by the farmers cooperating in the S.E. Farm Management Service. This association now represents its membership as an additional cooperating agency to determine policies and especially to maintain the field organization and membership. Officers for 1951 were:

> President: R. L. Zimmerman, Racine, Mower County Vice President: Wesley Pierson, Aldine, Freeborn County Secretary-Treasurer: George Williamson, Shakopee, Scott County

The board of directors included these officers and also the following: Sarah Holland, Dakota County; Harry Morton, Dodge County; Cameron Hayward, Goodhue County; Tmil Dietz, Le Sueur County; Sidney Johnson, Nicollet County; Tarl Kleinwort, Olmsted County; George Little, Rice County; Alvin Ebel, Scott County; Levern Wilker, Steele County; James Walker, Wabasha County; Ray Miller, Waseca County; and Marvin Simon, Winona County.

The following tabulation shows by counties the number of records submitted in 1951:

Dakota 8 Mower 8 Steele 1	7
Dodge 13 Nicollet 13 Wabasha 1	0 .
Freeborn 19 Olmsted 15 Waseca 1	6
Goodhue 21 Rice 10 Winona	2
Le Sueur 5 Scott 5 Total 16	9

The table on page 4 and succeeding pages show 162 farms. Seven farms have been omitted from all the averages in the tables because they differed so widely in type from the others or the records were not sufficiently complete for a full analysis.

Bernelling Streets

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 then 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.

· · ·	Table	1. Monthly	and Annual	Precipitati	on	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	Rocl	nester	Au	stin	Fari	bault
· · · · ·	Precip-	Departure	Precip-	Departure	Precip-	Departure
	itation	from normal	itation	from normal	itation	from normal
	Inches	Inches	Inches	Inches	Inches	Inches
January	. 85	25.	.83	06	.64	04
February	2.03	±1.21	2.35	+1.43	1.90	+1.21
March	4.01	+2.53	4.23	+2.58	2.92	+1.81
April	3.98	+1.62	4.05	+1.73	2.84	+ •93
May	3.17	61	3.16	-1.45	3.97	+ .77
June	5.50	+1.03	3.97	-1.25	6.74	+2.37
July	8.14	+4.87	1.91	-1.17	8.46	+ 5.11
August	4.56	+1.14	5.32	+1.07	6.25	+2.84
September	2.82	45	3.20	78	5.54	+2.09
October	2.73	+ .77	2.14	+ .28	1.83	25
November	1.80	+ .26	1.47	11	1.67	+ • 33
December	. 80	18	1.13	+ .26	• 97	+ .29
1951 Total	40.39	+11.94	33.76	+2.53	13.73	+ 17.46
1950 Total	23.23	- 5.54	23.57	-7.66	23.79	- 2.48
1949 Total	26.60	- 2.17	24.12	-7.11	26.47	+ .20
1948 Total	25.75	- 3.04	27,57	-3.66	25.63	- 1.64

Very unusual weather and crop growing conditions characterized the year 1951 in Southeastern Minnesota. The winter during the early part of the year was the coldest since 1936 - 37 and the wettest since 1938 - 39. Southeast Minnesota during March had the greatest snowfall recorded by the weather bureau since records were started in 1891. These heavy snows caused heavy flooding and a wet soil condition which prevented spring work in the fields from starting before the 20th of April. The late spring and summer months were characterized by heavy and frequent rains, very cool weather, much less than normal sunshine and very slow development of corn and soybeans. This was the coolest summer since 1927 and the wettest since 1944. Because of the rains first cutting hay crops suffered considerable damage thru spoilage and poor quality. Pastures were good to excellent thruout the summer and fall months. Harvesting, and combining of small grains progressed slowly and although yields were average and higher the quality was low. Corn continued to develop slowly thruout the summer and fall with about 75% in the early dent stage when the killing frost hit on September 28th. Considerable soft corn was bicked and subsequent spoilage was common. This was the third coldest fall on record.

-2-

	1.1	1	17 N.		Your	farm	Average of	162 farms
Items		يمين دوني دي. مريخ دوني در در مريخ موري در در در در	, <sup>2</sup> ( <sup>1</sup> ) ,	Jan.	1	Dec. 3	l Jan. 1	Dec. 31
Size of farm (acres)	<b>)</b>	4 1		• • • •	r•		222	í,
Size of business (we		)**	۰. ۲.			an na Stan	594 *	1 11
Dairy and dual purpo			100			1 - 1 - 1	\$ 2237	\$ 2588
Other dairy & dual ]		attle					1483	1843
Beef cattle (incl. 1	feeders)						1217	1790
Hogs							1520	1585
Sheep(including fee							165	254
Poultry (including f	turkeys)					_	307	309
Productive livestock	ć (total)						6929	8369
Horses				****			75	67
rop, seed, and feed	1						5043	5354
Power mach. (farm sh							2919	3166
Crop and general mad		m share)		Verdetaut	<del>,</del>	<del>an sanagan</del> t <del>akana</del>	3508	3958
Livestock equipment	•			************			677	702
Mach. & equipment (		00	· ·	<b></b>			7104	7826
Miscellaneous	() (al)				<b></b>	<b></b>		
	. It a						12	12
Buildings, fences, e	etC.						11499	12098
Land					<del></del>		10139	10139
lotal farm capital							\$40801	\$43865

Table 2. Summary of Farm Inventories, 1951\*

	32 most g	orofitable ms		profitable rms				
Items	Jan, 1	Dec. 31	Jan. 1	Dec. 31				
Size of farm (acres)	293		196					
Size of business (work units)**	750		491					
Dairy & dual purpose cows	\$ 2613	\$ 3151	\$ 1653	\$ 2037				
Other dairy & dual purpose cattle	2072	2419	1086	1320				
Beef cattle (incl. feeders)	2419	3089	1589	2217				
Hogs Man and Anna and	1875	1997	1576	1501				
Sheep	208	282	141	332				
Poultry	278	278	240	268				
Productive livestock (total)	9465	11216	6285	7675				
forses	96	90 .	87	81				
Prop, seed, and feed	7270	8110	3987	3783				
Power mach. (farm share)	3475	3777	2953	3262				
Crop & general machinery	4526	5031	3245	3734				
livestock equipment & supplies	763	711	708	780				
Mach. & equipment (total)	8764	9519	6906	7776				
Miscellaneous	÷		-					
Buildings, fences etc.	12726	12964	10460	11233				
Land	13328	13328	9211	9211				
Fotal farm capital	51649	55227	36936	39759				

\*For the purpose of comparison, all the data shown in this report with the exception of Tables 5 and 6 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 24 for an explanation of "work units."

Table 3.	Summary	of	Farm	Earnings	(Cash	Statement	), 195	51

	Your	Average of 162	32 most profitäble	32 least profitable
Items	farm	farms	farms	farms
FARM RECEIPTS		<b>4 •</b> • • • •	A	al a sea a se
Dairy and dual-purpose cows		\$ 1325	\$ 1747	\$ 1250
Dairy products	-	4500	6057	2620
Other dairy & dual-purpose cattle		900	1187	912
Beef cattle (including feeders)		1326	3483	1053
Hogs		4646	5677	4275
Sheep and wool (including feeders)		177	245	1.84
Poultry (including turkeys)		359	412	195
Eggs		1522	1510	1002
Horses		10	7	15
Corn	****	444	930	292
Small grain		461	747	285
Other crops		739	1063	552
Machinery & equip. sold		539	827	419
Agricultural adjustment payments	****	60	78	48
Income from work off the farm		370	517	267
Miscellaneous		$\frac{115}{1000}$	61	33
(1) Total farm sales		17493	24548	13402
<ul><li>(2) Increase in farm capital</li><li>(3) Family living from the farm</li></ul>		3064 816	3578 891	2823 705
(4) Total farm receipts $(1)+(2)+(3)$	<b>16.4. pitensita aminji atau</b>	\$21373	\$29017	\$16930
$(4)  \text{IOUAL LAIM FECELUUS (1)} + (2)^{3} (3)^{3}$	**************************************	راريده	$\psi \mathcal{L} \mathcal{P} \mathcal{O} \mathbf{I} $	φ <b>τ</b> 0γj0
FARM EXPENSES				
Dairy and dual-purpose cows bought		\$ 194	\$ 64	\$ 454
Other dairy & dual-our. cattle bought		196	147	359
Beef cattle bought (incl. feeders)		881	1873	784
Fogs bought		219	203	367
Sheep bought (including feeders)		54	54	201
Poultry bought (including turkeys)		145	148	112
Horses bought		5	2	8
Misc. livestock expenses	·····	327	421	259
Misc. crop expenses	· · · · · · · · · · · · · · · · · · ·	876	1100	739
Feed bought		2299	2621	1873
Custom work hired	*****	522	515	387
Mech. power mach. (farm share) (new)		1007	1279	1109
Mech. power mach. (farm share) (upkp.)	-	273	348	287
Mech. power (farm share)(gas, 011, etc.)		914	1164	858
Crop and general mach. (new)		1224	1552	1131
Crop and general mach. (upkp.)		236	298	194
Livestock equipment (new)		156	91	195
Livestock equipment (upkeep)	•	110	122 867	95
Buildings and fencing (new)		1218	14118	1228
Buildings and fencing (upkeep)		359		273
Hired labor Taxes	-possibilitions-de-spectary	885	1256	776
taxes General farm and insurance		583 216	772 271	533 178
(5) Total farm purchases	*****************************	12899	15616	12400
(5) Total farm purchases (6) Decrease in farm capital		TCOAA	TJOTO	12-400
(7) Interest on farm capital	+,+	2117	2672	1917
(?) Interest on farm capital (?) Unpaid family labor		505	539	488
(9) Board furnished hired labor	transformer of the storage	189	216	192
(10) Total farm exp. (sum of (5) to (9)	**************************************	\$15710	\$19043	\$14997
(11) Operator's labor earnings $(4) - (10)$	\ <u></u>	\$ 5663	\$ 9974	\$ 1933

		4	e egi ser straig	All and the	s an	the second	n i shekara shekara
Tab1	e 4. Summary	of Fa:	m Earnings	(Enterprise	Statement)	1951*	

-5-

a an		Your	Average of 162	32 most profitable	32 least profitable
Items		farm	farms	farms	farms
RETURNS AND NET' INCREASES				an dan menyakan dari kangan penyakan dan kang dan dibagi kanya kanya kanya kanya kanya kanya kanya kanya kanya	$\chi_{-1} = \int_{-\infty}^{\infty} d^{2} x  dx$
Dairy and dual purpose	COWS	4.11	\$5446	\$7416	\$3444
Other dairy & dual pur.	cattle	ter en transformer	2089	2854	1618
Beef breeding herd	19 19 19. 		293	.57	733
Feeder cattle	and the second second		675	1976	173
Hogs	and the second		4622	5912	3924
Sheep - farm flock and :	feeders		212	264	174
Turkeys	1 <b>1</b>	• • • • • • •	126	175	4
Chickens	1. <u>1</u> . 1		. 1719	1731	.1188
All productive livestock	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15182	20385	11258
Crops, seed and feed	1 <sup>1</sup>		-1350	-282	-1842
Agricultural conservation	payments		60	77	. 48
Income from labor off the	farm		232	336	; 129
Miscellaneous	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<u>.</u>	277	257	223
(1) Total returns & net i	ncreases	tu bi	14401	20773	9816
		and the second			1
		1.14		· · · · · · · · · · · · · · · · · · ·	$(x_1,y_2) = \frac{1}{2} \left( \frac{x_1}{x_2} + \frac{x_2}{x_2} \right)$
				ing the state of the test	and the first
EXPENSES AND NET DECREASE	<u>S</u>	<ul> <li>A state of the sta</li></ul>			
Horses		•	\$61	\$76	\$78
Tractor	1.		750	921	768
Truck		the second second	283	359	276
Auto (farm share)		the second second	333	374	371
Gas engine and elect.ex	p. (f.shar	e)	184	217	163
Hired power		1	236	253	149
Total power		• •	1847	2200	1805
Crop and general machiner	У		864	1072	770
Livestock equipment			232	252	214
Buildings, fencing and ti			816	970	634
Misc. productive livestoc	k expense		322	421	259
Labor			1741	2169	1573
Real estate taxes			458	622	424
Personal property tax			125	150	109
Insurance		<ul> <li>Age of the second second</li></ul>	88	115	63
General farm		<b></b>	128	156	115
Interest on farm capital			2117	2672	1917
(2) Total expenses & net	decreases		8738	10799	7883
(3) Oper. labor earnings			5663	9974	1933

\*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.

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Table 5.	Net	Worth Statement for Those	Farmers Who Kept a	Complete Record of All
	S. 4	Assets and Liabilities	, 1951 (Operator's	Share)

	·	Jan. 1	Dec. 31	Jan. 1	Dwners Dec.31
otal acres in farm				183.3	
Owned	- 		4	183.3	in a second
Rented		· · · ·	•	**	
otal farm capital				\$34877	\$37432
ccounts receivable	4 · · · ·			415	419
Stocks and bonds	·			2073	1974
Life insurance		Manafar and Andrew State of St		1286	1364
Outside real estate		9-11		1655	2934
Other outside investments			And and a factor of the second second second	368	394
otal outside investments			han an a	5382	6666
Cash on hand and in bank			an and the state of the state o	462	751
Other household & personal as	sets		<b>,</b>	2055	2192
otal cash, household & persona				2517	2943
OTAL ASSETS			tr	43191	47460
Federal Land Bank Mortgage		<b>Malburger, 1999</b>		1021	982
Other mortgages on land opera	teđ			3247	31.51
Mortgages on other real estat		hand the second s	Bridge of the statistics	231	774
Production Credit Association			<del>6 augu unu unu handana</del> a	349	330
Sealed Grain	•			105	29
Other chattel mortgages		**************************************		422	420
Notes payable				1 395	1343
Accounts payable			1	400	404
COTAL LIABILITIES				7170	7433
'armer's net worth		<b></b>	<del>an an a</del>	36021	40027
armer's net worth		<del></del>	· · ·	1000	+4006
		1979 to a set	······································	16 Ren	
		the second s	Dec. 31	Jan. 1	Dec.
No. 4 - 7		Jan. 1 228.1	Dec. 31	193.5	2/608
lotal acres in farm	. T			17707	
Owner		132.0		102 5	
Rented	*• *	96.1	\$969997	193.5	¢71126
lotal farm capital	м.	\$32431	\$36237	\$12338	\$1436
Accounts receivable		825	972	555	99
Stocks and bonds	· · · · ·	1151	1136	990	100
Life insurance		1282	1204	829	97
Outside real estate		56	59	10	1
		· · · · · · · · · · · · · · · · · · ·			
Other outside investments		536	557	253	
Other outside investments Fotal outside investments		3025	2956	2082	. 226
Other outside investments Fotal outside investments Cash on hand and in bank		3025 1008	2956 1432	2082 925	226 77
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as		3025 1008 2202	2956 1432 2467	2082 925 2719	226 77 286
Other outside investments Fotal outside investments Cash on hand and in bank		3025 1008 2202 3210	2956 1432 2467 3899	2082 925 2719 3644	226 77 286 363
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persons FOTAL ASSETS		3025 1008 2202	2956 1432 2467	2082 925 2719	26 226 77 286 363 2126
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persona		3025 1008 2202 3210 39491	2956 1432 2467 3899 44064	2082 925 2719 3644	226 77 286 363
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persons FOTAL ASSETS	al assets	3025 1008 2202 3210	2956 1432 2467 3899	2082 925 2719 3644 18619	226 77 286 363 2126
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persona FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta	al assets ated te	3025 1008 2202 3210 39491	2956 1432 2467 3899 44064	2082 925 2719 3644 18619	226 77 286 363 2126
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persona FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera	al assets ated te	3025 1008 2202 3210 39491 4603	2956 1432 2467 3899 44064	2082 925 2719 3644 18619 - - 490	226 77 286 363 2126 - - 51
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persona FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta	al assets ated te	3025 1008 2202 3210 39491 4603	2956 1432 2467 3899 44064 	2082 925 2719 3644 18619 - - 490 112	226 77 286 363 2126 - - - 51
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persona FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta Froduction Credit Association	al assets ated te	3025 1008 2202 3210 39491 4603	2956 1432 2467 3899 44064	2082 925 2719 3644 18619 - - - 490 112 552	226 77 286 363 2126 - - 51 6 84
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & personal FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta Production Credit Association Sealed grain Other chattel mortgages	al assets ated te	3025 1008 2202 3210 39491 4603	2956 1432 2467 3899 44064 	2082 925 2719 3644 18619 - - 490 112 552 1618	226 77 286 363 2126 - - - 51 6 84 145
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & personal Fotal Cash, household & personal FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta Production Credit Association Sealed grain Other chattel mortgages Notes payable	al assets ated te	3025 1008 2202 3210 39491 4603 - 64 712	2956 1432 2467 3899 44064 	2082 925 2719 3644 18619 - - - 490 112 552	226 77 286 363 2126 - - 51 - 51 84 145 53
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & persona FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta Production Credit Association Sealed grain Other chattel mortgages Notes payable Accounts payable	al assets ated te	3025 1008 2202 3210 39491 4603 - 64 712 3150 341	2956 1432 2467 3899 44064 - 4383 - 1332 3155 361	2082 925 2719 3644 18619 - - 490 112 552 1618	226 77 286 363 2126 - - 51 - 51 84 145 53
Other outside investments Fotal outside investments Cash on hand and in bank Other household & personal as Fotal cash, household & personal Fotal Cash, household & personal FOTAL ASSETS Federal Land Bank Mortgage Other mortgages on land opera Mortgages on other real esta Production Credit Association Sealed grain Other chattel mortgages Notes payable	al assets ated te	3025 1008 2202 3210 39491 4603 - 64 712 3150	2956 1432 2467 3899 44064 	2082 925 2719 3644 18619 - - 490 112 552 1618 344	226 77 286 363 2126

\* 11 rented for cash, 3 cash and crop share, 2 crop share and 2 livestock and crop share.

\*\*9 rented for cash, 3 cash and crop share, and 9 livestock share,

•	7	

Table 6. Summary of Farm Earnings by Tenure, 1951 (Operator's Share)

Table 6. Summary of Farm Earnings by	Your	44	17 part-	16	<b></b>
(k) the set of a set of a set of the se	farm	Owners	owners	renters	
PARM RECEIPTS				20110020	
Dairy and dual purpose cows		\$ 1176	\$1727	\$ 752	
Dairy products	, <del></del>	4397	4639	3498	: 7
Other dairy and dual purpose cattle	` <b>tut#in</b> '	801	964	547	40
Beef cattle (including feeders)		974	11127	213	
Hogs		4264	4388	2664	
Sheep and wool (including feeders)		131	188	95	
Poultry (including turkeys)		293	539	129	
Eggs		1388	1652	1006	• •
Horses	-	43	10,72 1	5	
Corn	- <b>1989, 1999, 1999, 1999</b>	373	72	194	• • •
Small grain	######################################	349	459	214	·
Other crops	<b></b>	450 ·	755	341	ų ir s
Machinery & equipment sold	-	418	648	347	1
Agricultural adjustment payments		57	58	31	
	-				
Income from work off the farm		478	371	532	
Miscellaneous	محمد محمد محمد محمد محمد محمد محمد محمد	29	237	34	
(1) total farm sales		15621	17828	10602	
(2) increase in farm capital		2555	3806	2028	
(3) family living from the farm	-	809	754	726	
(4) total farm rec. $(1)+(2)+(3)$	****	18985	22388	13356	
TARM EXPENSES				\$ 80	1.44
Dairy and dual purpose cows bought	<u></u>	\$ 241	\$ 355	τ =. <del>.</del>	
Other dairy & dual pur. cattle bought	18	240	239	166	
Beef cattle bought (including feeders)		680	918	33	
Hogs bought	<b></b>	228	107	277	
Shoep bought (including feeders)		36	3	10	
Poultry bought (including turkeys)	••••••••••••••••••••••••••••••••••••••	112	198	56	
Horses bought	<b></b>	13		14	
Misc. livestock expenses	* 	312	273	196	
Misc. crop expenses		837	905	427	
Feed bought		2149	2707	1343	
Custom work hired	1	567	668	464	
Mech. power mach. (farm share) (new)		823	1286	1304	14.5
Mech. power mach. (farm share) (upkeep)		294	295	227	
Mech. power (farm share) (gas, oil, etc.)		794	924	722	, ,
Crop and general mach. (new)		1060	11:96	698	
Crop and general mach. (upkeep)		215	272	202	
Livestock equipment (new)		194	111	67	
Livestock equipment (upkeep)		182	156	79	
Land, buildings & fencing (new)		647	1138	104	
Buildings and fencing (upkeep)		343	347	101	
Hired labor	<b></b>	724	999	544	
Taxes (real estate & pers, property)		443	378	95	
General farm and insurance		195	222	133	
Cash rent			<b>3</b> 98	697	
Interest paid	California and a state of the s	282	266	123	
(5) Total farm purchases		11611	14661	8152	
(6) Decrease in farm capital				·	
(7) Interest on farm capital		1526	1451	544	
(8) Unpaid family labor	6	342	136	259	
		142	271	168	
(9) Board Turnished hired Labor					
(9) Board furnished hired labor (10) Total farm exp. (sum of (5) to (9)		13621	16519	9123	
(10) Total farm exp. (sum of (5) to (9) (11) Operator's labor earn. (4) - (10)	<u></u>	13621 5364		9123 4233 5036	

and the second				16 most	16 least
	i e Timent y d	an an an an an Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthr Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthreachan an Arthreac	Average	profit-	profit-
		Your	of 79	able	able
Items	1944 - 1945 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 -	farm	farms	farms	farms
Number of persons - family	ingenie o den de selegiere Menne de Angele a de la composition de la composition Angele a de la composition de la comp		4.3	5.0	4.5
and the second			·	•	· · · · · · · · · · · ·
Number of adult equiv family	• · · ·		3.1	3.7	3.3
other*			•5	•6	
44	en e		· • • • · · ·		
Food and meals bought	dia ang ang		\$714	\$727	\$632
Operating and supplies	A MARK T		291	254	285
Clothing and clothing materials	- 4 - 1 - 1 <sup>-</sup> 1	Graff werk werk werk werk and	322	328	281
Personal care, personal spending	ant - 17.42	Birdite and a sub-state space		Ĩ59	68
Furnishings and equipment	1. N. K. A.		278	359	258
Education, recreation and develop	nent	<del></del>	147	166	111
Medical care and health insurance			255	304	188
Church, welfare, gifts		Gentles entreferetassiteren	263	359	160
Personal share of auto expense		********	124	139	84
Household share of elect. & gas en	1.0°°°	1	75	- 96	51
H.H. &pers.shr.of new auto.gas eng.&			166	225	179
Total cash living expenses	motors no a	<u></u>	2731	3116	$\frac{179}{2297}$
total cash iiving expenses			~~~ JI		6671
State and Federal income taxes		•	\$186	\$232	\$159
Insurance	•			φ2 J2 211	
		******	$\frac{211}{3128}$	3559	<u>193</u> 2649
Total household and personal cas	sn exp.		J120	, <b>)</b> )))	12049
Food furnished by the farm			493	652	490
Fuel furnished by the farm		1	-15	<u>شر</u> ن 6	- 2
House rental	· · ·		297	307	217
Total cash expenses & percuisit	<b></b>		3933	4524	3358
TO MAT CAPIT GYDellaes @ Det (MISTO	<b>0</b> 0		リアリシ	-r_1~~r	
Purchase of stocks, bonds, and other	invest.		168	359	203
	ал <sup>с</sup> . П.	angan apin angan Angan Angan Angan Angan ang			-
Receipts:					
Income from investments			228	371	179
Miscellaneous income			170	12	123
	••• • •				

Table 7. Household and Personal Expenses for Those Farms Which Kent Complete Accounts of These Expenses, 1951

\*Hired help or others boarded.

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Items			Your farm	Average 162 farms	Your farm	Average 162 farms
Adult equiv.	- family - others			3•2 •6		
Whole milk Skim milk Cream			An	1261 qts. 107 qts. 62 pts.	an a star an	\$90.02 1.15 14.56
Farm made bu Beef * Hogs	tter			416 lbs. 436 lbs.		.03 103.56 85.09
Sheep Poultry Eggs	na se References References References	2017 2017 2017 - 2017	Marathan Baralan Anna Anna Anna Geologian - Anna Anna Anna Anna Anna Statagara - Anna Anna Anna Anna Anna Statagara - Anna Anna Anna Anna Anna	1 1b. 133 1bs. 198 doz.		.12 30.19 79.54
Farm fuel	fruits			6 bu. 1 cd.		7.42 66,64 6.27
Rental vl. o Total	f house		وری دیک در اوری در در در میکند و در د	n an	••••••••••••••••	<u>331.71</u> 816.30

Table 8. Family Living From the Farm, 1951

CUMULATIVE EFFECT OF EXCELLING IN A NUMBER OF MENAGEMENT 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 accomplishment per worker, and (7) control over expenses. The combined or cumulative influence of these seven management factors on earnings is shown in Table 9. The farmer's earnings are determined to a considerable extent by his accomplishments in these seven factors.

Table 9. 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's labor earnings
None or 1. 2 3 4 5 6 or 7	17 28 37 40 30 10		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	\$3562 4746 5136 6147 7121 7443

The array in Table 9 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.

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leasures used in chart on Dage 11	Your farm	Average of 162 farms	32 most profit- able farms	32 leas profit- able <sup>t</sup> farms
Operator's labor earnings	\$	\$5663	\$9974	\$1933
(1) Crop yields*	e e e e e e e e e e e e e e e e e e e	100	101	94
2) % of tillable land in high ret. crops**		63.2	61.6	60.5
3) Ret. for \$100 feed to prod. livestock***	n na sa	100	103	89
(4) Prod. livestock units per 100 acres****	е на селото на селото Селото на селото на с Селото на селото на с	29.6	29.4	27.9
5) Size of business - work units		. 594	750	491
(6) Work units per worker	a ser a s	313	341	273
(7) Pow., mach., equip., & bldg.exp.per work un	1t	\$6.54	\$6.01	\$7.45
3) Index of return for \$100 feed from: Dairy cattle (see pages 16 & 17) Dual purpose cattle (see pages 18 & 19) Beef breeding herd (see page 20) Feeder cattle (see page 20) Hogs (see page 15) Native sheep (see page 21) Turkeys (see page 24) Chickens (see page 22 & 23)		100 100 100 100 100 100 100	102 99 120 104 87 106	87 105 95 88 87 93
4) Number of animal units prod. livestock	s n.	56.3	75•7	48.4
5) Work units on crops Work units on productive livestock Other work units	<b></b>	147 408 39	196 498 56	127 342 22
(6) Number of family workers Number of hired workers Total number of workers	7.000.000.000.000.000.000.000.000.000.0	1.3 .6 1.9	1.4 .8 2.2	1.3 .5 1.8
7) Power expense per work unit Crops mach. expense per work unit Livestock equip. exp. per work unit		\$3.24 1.49 .41	\$2,96 1,42 •35	\$3.90 1.66 .47

\*Given as a percentage of the average. \*\*Crops are marked on page 12 as (A), (B), (C), and (D). All of the 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.

## Thermometer Chart

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 162 farms included in this summary are located between the dotted lines across the center of this page.

		· · ·	· · ·				
Oper. labor earn- ings Y	Cron ields	High return crops	Return from pro- ductive livestock	per	Work units	units per	Pow.,mach., eq. & bldg. exp. per work unit
\$11300	140	83.0	140	49.5	915	475	2.55
10600	135	80.5	135	47.0	875	455	3.05
9900	130	78.0	130	14.5	835	435	3•55
9200	125	75•5	125	42.0	795	415	ų.05
8500 = :	120	73.0	120	39.5	755 -	395	¥•55
7800	115	70.5	115	37.0	715	375	5.05
7100	110	68.0	110	34.5	675	355	5•55
6400	105	65.5	105	32.0	635	335	6.05
5700	100	63.0	100	29.5	595	315	6.55
5000	95	60.5	95	27.0	555	295	7.05
4300 -	90	58.0 =	90	24.5	515	275	7.55
3600	85	55.5	85	22.0	475	255 -	8.05
2900 =	80 =	53.0	80	19•5 E	435	235	8.55 E
2200	75	50.5	75	17.0	395	215	9.05
1500 -	70	· 48.0	70	14.5 =	355	195	9•55
800	65	45.5	65	12.0	. 315	175	10.05
E	E			E			
$\bigcirc$	$\sim$	$\bigcirc$	$\cup$	$\bigcirc$	$\bigcirc$		

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Table 11. Distr	ibutio		res in Farm, 1951	
Crop: (A), (B), (C) and (D) refer		No.		
to ranking used in calculating	g	rowing		Average
% of tillable land in high		this	Your	of 162
return crops (see page 10)		crop	farm	farms
Canning peas	(A)	17		1.5
Flax	(C)	20		2.0
Barley	(D)	48		5.0
Oats and barley	(D)	20		2.8
Oats	(D)	151		32.7
Oats and wheat	(D)	9		1.0
Wheat	(D)	29		2.2
Rye, millet and buckwheat	(D)	16		1.1
Total small grain and peas		159	and a state of the	48.3
Sugar beets, hybrid seed corn,				
potatoes and truck crops	(A)	13		1.1
Corn grain	(A)	160	and the second	44.4
Corn silage	(B)	101	utter in de fan in de fan in de fan in de fan de	6.4
Sweet corn	(B)	13	Biristen gene er opgenätigt som som sångråd	1.3
Soybeans for grain	(0)	57		7.7
Corn fodder	(D)	2	Brock operations and an and an an	
Total Cultivated crops		161	Bach Sain an Sain Sain Sain Sain Sain Sain S	60.9
Alfalfa hay	(A)	162		37.4
Red clover hay	(B)	28	Print Call State of State State State	2.6
Soybean hay	(c)	1	and the second	1
Mixed legumes & non-legumes	(č)	6	And the second sec	• 3
Legumes for seed	(c)	7	electrony and a second s	.4
Timothy and/or brome hay	(D)	6	and generative a strong relative to a strong relative	2
Other annual hay	(D)	2		.1
Total tillable land in hay		162		41.1
			<b>den en a</b> r an anna an a	
Alfalfa and mixtures incl. alf.	(A)	126		13.5
Other legumes and mixtures	(0)	36		3.7.
Sudan grass or rape pasture	(C)	12		•4
Other tillable land in pasture	(D)	44	And and the second second second second second	<u>3.0</u>
Total tillable land in pasture		148	#####	20.6
Tillable land not cropped	(D)	30		2.0
Total tillable land	<b>v</b> - <b>/</b>	162	An and the graph of the second s	172.9
Wild hay (non-tillable)		49		2.9
Non-tillable pasture		118		24.8
Timber (not pastured)	· ·	60	ang sa ang s	5.8
Roads and waste			<b>Construction of the set of the s</b>	9.0
Farmstead			an an star a star and an	6.8
	:			
Total acres in farm				222,2
Per cent land tillable			e e e e e e e e e e e e e e e e e e e	77.8
Per cent tillable land in high re	t. cro	ps	5. <b>5.975-5.96</b> 4 hadrog bet an in the constraints of	63.4



#### 

· · · · ·				Avérage of	
Crop		New 2001	Your farm	farms growi each crop	ng
Canning peas, value a Flax, bu. Barley, bu. Oats and barley, bu.	above seed cost		1012200 1000 1000 1000 \$ 10133 1000		a Marina da Angela da
Oats, bu. Oats and wheat, bu. Wheat, bu. Rye, bu.		en por en		48,6 50.1 22.8 19.6	
Corn, grain, bu. Corn and cane silage Sweet corn, tons Soybeans, bu.	, <b>tons</b>			8.6	t song sa kan ka ka
Alfalfa hay, tons Red clover hay, tons Mixed légume & non-le Legumes for seed, lbs Timothy and/or brome	egume hay, tons s. hay, tons				
Wild hay, tons		an a		• 5	· « · · ·

### Table 12. Crop Yields Per Acre, 1951

Table 13. Average Price of Tool

Tap.	Le 13.	Average Price of Feeds, 1951
Item	Valuo	Item Value
Ear corn, per bu.	\$1.36	Alfalfa hay, per ton \$19.00
Oats, per bu.	. 81	
Barley, per bu.	1.23	Soybean hay, per ton 16.00
Wheat, per bu.	2.20	Timothy, per ton 11.00
Soybeans, per bu.	2.82	Wild hay, per ton 9.50
Bran, per cwt.	3.20	Corn fodder, per ton 8.55
Linseed oilmeal, per cwt.	3.85	Corn silage, per ton 6.00
Soybean oilmeal, per cwt.	4.55	Pasture, per mo. per an. unit 1.40
Tankage, per cwt.	6.20	Skim milk, per cwt 40

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a a sa an	Items	Your farm	Average of 89 farms	
	Feed per horse, lbs.:*		070	
	Grain		278	
<b>n</b>	Hay Fodder and stover		3701 163	in the second
			<b></b> )	
	Feed cost per horse:*			
	Grain		\$6.95	
	Roughage	and the surface serves	30.27	
	Pasture		7.09	n de la S
	Total feed cost		44.31	
	Number of work horses		2.4	
	Number of colts	8	•2	A CONTRACTOR
	*Two colts equal one hore	30		na se a construction de la constru La construction de la construction d La construction de la construction d
	Table 15. Power and Machine	ery Expense		
			Average 32 mos	
Items		Your farm	of 162 profita farms farms	
Crop acres	per farm	<b>4446</b> -44-44	153.2 203.3	136.8
	horse exp. per crop acre mach. exp. per crop acre		\$5.53 \$4.98 5.83 5.48	
terration and the second s				

Table 14. Feed Costs for Horses, 1951

#### TOTAL RETURNS AND FEED COST FROM YOUR LIVESTOCK UNTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 16. 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 return over feed is not a <u>net</u> 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 cont 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 cost other than feed.

ter e e gran ante en entre e e gran de la construcción de la construcción de la construcción de la construcción La esta de la construcción de la con La esta de la construcción de la con	Dairy or ( Cows	lual purp Othor			Beef breeding herd	Feeder Cattle
Total returns	and the second sec		· · · · · · · · · · · · · · · · · ·		n um ban na 1999 - Saing-agas agas ga an an an an an	
Total feed cost	4	,		<b>hereje</b> Server and server and s		
Total return over feed	a by the second se	447 1012000000 - 200-10000-001				an a
	Hogs	<u>Sheep</u> Farm flock	Feeders	3	Turkevs	Chickens
Total returns	••• ••••	1) b. 1994 de				
Total feed cost					12	en e
Total return over feed		ىرىنى يەر بىرىنى بىرىنىيىلىرى بىرىنىيىلىرىكى يېرىكى بىرىنىيىلىرىكى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى ب يېرىكى بىرىكى			er Stransforder i Sallar ansatzen son etaerren A <sup>2</sup> er men eranden i Sangaren eur	1
Table 17.	Food Cos	ts and Rc	turns fi Your	om Hog Avora 'of 14	29 far g <b>c</b> highes	ms 29 farms t in lowest in s returns
Itoms Feed per cwt. hogs produ	uced, lbs.		farm		· · · · · · · · · · · · · · · · · · ·	feed above feed
Corn 'Small grain Commercial feeds Total concentrates Skim milk, butterm	ilk and wh	су	· · · · · · · · · · · · · · · · · · ·	313 116 44 473 87	89 <u>35</u> 374	138 <u>62</u> 591
Feed cost per cwt. hogs Concentrates Skim milk, butterm Pasture	ilk and wh	су	<u>\$</u>	\$12.78 • 35 18	\$10.14 •32 •16	\$16.29 .41 <u>.16</u> 16.86
TOTAL FEED CO:	• * .				· · · · ·	
Net increase in value p RETURNS ABOVE FEED COST	• •	s prod.	<u>\$</u>	\$19.25	\$20.67	\$17,92
HOGS PROD.			· <b>\$</b>	\$ 5.94	\$10.05	\$ 1,06
RETURNS FCR \$100 CF FTT Price received per cwt.			\$ \$			\$19.38
No. of spring litters raises of fall litters raises of fall litters raises of litters raises of the second	sed ised			<u>6.9</u> 17.3 8.3 6.5	8.3 	7.4 16.1 8.0 6.0
			an a la companya da serie da s En la companya da serie	00007	0/1677	22407

		an a	and the second
		-16-	
Ta	ble 18. Factors	of Cost and Returns from I	Dairy Cows, 1951

ltoms	Your farm	Avorago of 133 farms	27 farms highest in butterfat per cow	27 farms lowest in butterfat
Pounds of butterfat per cow % butterfat in milk Price rec. per lb. B.F. sold (conts) As manufacturing cream (cents) Other (cents)		307 3.8 95.9 79.2 101.5	386 3.9 99.9 79.5 102.3	225 3.6 88.6 79.0 98.2
Feeds per cow, lbs: Corn Small grain Commercial feeds		1433 797 378	1645 931 495	1465 679 210
Legume hay Other hay Fodder and stover		4484 549 98	4436 589 18	4491 144 14
Total Concentrates Total dry roughage Silage		2608 5131 6708	3071 5043 8108	2 <b>35</b> 4 4649 6 <b>3</b> 22
Total digestible nutrients* T.D.N. per 1b. B.F. %T.D.N. that is protein		5837 19.0 15.0	6506 16.9 15.0	5352 23.8 14.9
Feed cost per cow: Concentrates Roughages Pasture TOTAL FEED COSTS		\$70 <b>.38</b> 67.54 <u>6.64</u> 144.56	\$83.52 71.70 <u>6.63</u> 161.90	\$\$61.66 63.53 <u>6.67</u> 131.86
Value of produce per cow: B.F. sales Dairy produce used in house Milk to livestock Not increases in value of cows TOTAL VALUE PRODUCTD		\$27.3, 40 7, 40 18,03 <u>34,74</u> 333,57	15.10	\$177.20 11.36 22.44 <u>38.66</u> 249.66
RETURNS ABOVE FTED COST PTR COW		\$189.01	\$263.61	\$117.80
Returns for \$100 OF FEED	alfahaada kata (1970)	\$240	\$270	\$206
Food cost per 1b. B.F. (cents)	Laurant we can be at the same same, a	47.1	41.9	58.6
7 fall freshening		52	55	52
Number of cows**		18.2	20.6	15.3

\* Not including nutrients received from pasture.

\*\*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.

				highost in	
		Your		buttorfat	
Itoms		farm	tarms	por cow	por cow
Foods por hoad, 1bs.: Concentrates Hay and fodder		a second of the second	640 1960	879 2109	558 1865
Silago			2170	2424	2389
Skim milk (1986) Whole milk (1986)		و ۲۰ اور ۵ و ۵ مصنعی میں	360 402	214 384	750 354
TOTAL FJED COSTS PER HEAD			\$58.08	\$66.06	\$55.42
Not inc. in value of other da	iry cattlo	\$	117.87	\$122.89	\$107.29
RETURMS ABOVE FEED COST PTR H	TAD	alari <b>q</b> arabat kontra	\$59.79	\$56.83	\$51.87
RETURNS FOR \$100 OF FEED			\$221	\$196	\$236
Number of head of other dairy	r cattle		19.9	23.9	16.6

Table 20. Feed Costs and Returns From All Dairy Cattle, 1951

$\mathcal{D}_{4}^{(1)}$			highest :	27 farms In lowest in	
	Your	••		t butterfat	
Itoms	farm	farms	por cow	per cow	
$= -\frac{1}{2} \left\{ \frac{1}{2} \left\{ \frac{1}{2} + \frac{1}{2} \right\} \right\}$			•		
Feeds por animal unit, lbs.:		و مع			
Concentratos	and a strongent processing of a	2112		1880	
Hay and fodder			4720	4208	
Silage		5814	6826	5706	
			*. ±	. • · · · ·	
TOTAL FEED COSTS PER ANIMAL UNITS		5123.66	\$140.86	\$112.85	
Value of produce per animal unit:			en de la composition de la composition Na composition de la c		
Dairy products			\$234.77	\$127.48	
Net increase in val. of dairy cattle		101.52	113.31	<u>90.98</u> \$218.46	
Net increase in val. of dairy cattle TOTAL VALUE PRODUCED	(	\$285.06	\$348.08	\$218.46	
RETURNS ABOVE FEED PER ANIMAL UNIT		•	\$207.22	\$105.61	
RETURNS PER \$100 OF FEED		\$239	\$253	\$211	
Animal Units of dairy cattle	· · · · · · · · · · · · · · · · · · ·	28.4	32.8	23.8	
				na n	···· •• · · ·
				4 -	

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Table 21. Factors of Cost and Roturns from	n Dual Pu	rpose Cows, 195	L
		Avorage	
	Your	of 14	
Itoms	farm	farms	
		4. <b>+</b> 11. − 11.	
Pounds of butterfat per cow	(Artiligada autopreificierungen a. 21	204	
% buttorfat in milk		3.7	
Price received per 1b. B.F. sold (conts)		84.4	
As manufacturing cream (cents)	e e composition de la compositione de la composition de la composi	78.1	
Other (cents)	The second processing of second second	96.9	
		je na se staj na	anga sana
Foods per cow, 1bs.:		1.00	• • • • •
Corn	art many many mount of the	692	
Small grain	الاف الألم ( المنار ). الان المنتخصية	696	a Carto
Commercial foeds	Militar ang sist apis na ana sa sa sa s	126	
	· · · ·	e e la	
Legume hay		3344	د مربع در
Othor hay		466	
Fodder and stover	10-11	247	
α <sup>2</sup> δ <sup>2</sup>			
Total concentrates		1514	
Total dry roughago	a ana ana ana ana ana ana ana ang aga ana an	4057	
Silage	والمتعادية والمعادية والمتعاول	6497	
		4365	
Total digestible nutrients*		21.3	
T.D.N. por 1b. B.F.	a diference and a strategy of the trade of		
% T.D.N. that is protoin		14.3	
Eced cost per cow: Concentrates		\$38.74	A
		26 10	
Roughages Pasture	2 - Marcandor de Arra - 246 - 14 Marca - 14 Marca - 246		a ser a ser a
TOTAL FIED COSTS	ay ang the fact and the fact an	707 Ch	54 14
TOTAL FAD COSIS	ary, is use theme. >>		1. S.
Toluc of moduce non coul			
Value of produce por cow:		\$153.45	
B.F. salos	ang an ang an ang ang ang ang ang ang an		· •
Dairy produce used in house Milk to livestock	ing commentary when the	25.79	
Not increases in value of cows	••• ·····•	LIF 99	
TOTAL VALUE PRODUCED	5 <b></b>	45.99 \$232.26	۰ ۲
			*
MOD REC UPOD CERT FILES AND		\$130.72	
RETURNS ABOVE FUED COST PER COW			
RETURNS FOR \$100 OF EED		\$240	1. Jan 1997 - 1997
TO TOTAL ATOM ATOM AT A SUSTAIN			and the second second
Feed cost per 1b. B.F. ( conts)*	and spinor to be to be	49.8	an a
% fall freshening	an a standard and so a standard a	44	
Number of cows		. 18.5	

\*Not including nutrients received from pasture.

af an an an faith an an ann **-194** bha an an Arbhan an Arbhan Arbh

Table 22. Food Costs and Returns from Other Dual Purpose Cattle, 1951

Itoms	.Your Average of
Itoms	farm 14 farms
a faith and a second second	$\left\{ f_{i}^{2}, g_{i}^{2}, g_{i}^$
Feeds per head, 1bs.:	the state of the s
Concentrates	
Hay and fodder	1746
Silago	2025
Skim milk	510
Whole milk	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
TOTAL FTED COST PER HEAD	\$62.91
Not tincrease in value	\$122.69
RETURNS ABOVE FEED COST PER H	EAD \$ 59.78
RETURNS FOR \$100 OF FEED	\$204
Number of head	25.7
server a memory of the server was server as a server and the server of the server as server as a server of the	

د به کار از ۱۹۹۹ را ۱۹۹۵ از این از ۲۰۰۰ از ۲۰۰ ماریک در در ۲۰۰۰ از ۲۰۰

a start and a start of the second start of the

 $\sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{i$ 

and a construction and point failed Table 23. Feed Costs and Returns From All Dual Purpose Cattle, 1951 ીસ્ટ્રાય છે. કેન્દ્ર છે 🖬 જેવી Your Average of farm 14 farms Your Itoms Foods por animal unit, 1bs.: Concentrates 1633 3727 Hay and fodder Silago 5505 TOTAL FEED COSTS PER ANIMAL UNIT \$96.83 Value of produce per animal unit: Dairy products Not increase in value \$ 98,45 119.58 218.03 218.03 TOTAL VALUE PRODUCED e tra Ta · .... RETURNS ABOVE FEED PER ANIMAL UNIT \$121.20  $= \exp \left[ f_{\rm sc} + h_{\rm sc} + h_{\rm sc} \right]$ RETURNS FOR \$100 OF FEED \$244 31.6 Animal units 5. . <u>.</u> 5 5

6 12

- 1

States and the second

tem	de Martin a sue a la companya de la S	Your farm	Average of all farms
	breeding herd: No. of farms:		9
leed	s per animal unit, lbs:		× .
	Concentrates		2011
	Legume hay	and the second se	4006
	Other hay	and a second	1412
	Fodder and stover		653
	Silage		6885
leed	cost per animal unit:		. ( <sup>1</sup> )
	Concentrates	\$	\$52.65
	Roughages	**************************************	68.19
	Pasture		8.65
	TOTAL FEED COSIS	international and a state of the second state	129.49
lalu	e of produce per animal unit;		
	Dairy products	Ş	\$ 6.09
	Net increase in value of animals	3	207.76
	TOTAL VALUE PRODUCED	**************************************	213.85
LETU.	RNS ABOVE FEED COST PER ANIMAL UN	1IT	\$84.36
UTT T	RNS FOR \$100 OF FEED	<b></b>	\$173
	er of cows and herd bulls er of animal units in the herd	<del>\$1.00-91</del>	18.6 23.6
lumb		4)	
iumb ibs•	er of animal units in the herd beef produced		23.6 12623
lumb bs. leed	er of animal units in the herd beef produced er cattle: No. of farms:		23.6
lumb bs. 'eed	er of animal units in the herd beef produced er cattle: No. of farms:		23.6 12623 
lumb bs. leed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn		23.6 12623 
lumb bs. leed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain		23.6 12623 
lumb bs. eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn		23.6 12623 20 390 40 37
lumb bs. leed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay		23.6 12623 
lumb bs. eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds		23.6 12623 
lumb bs. leed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover		23.6 12623 20 390 40 37 511 194 -
lumb bs. eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates		23.6 12623 20 390 40 37 511 194 - 467
lumb bs. 'eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages		23.6 12623 20 390 40 37 511 194 - 467 705
umb bbs. eed eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage		23.6 12623 20 390 40 37 511 194 - 467
umb bs. eed eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced		23.6 12623 20 390 40 37 511 194 - 467 705 745
umb bs. eed eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates		23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08
umb bs. eed eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages		23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 8.04
umb bs. eed eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture		23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 \$.04 1.22
umb bs. eed eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture TOTAL FEED COSTS		23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 \$.04 1.22 21.34
Teed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture		23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 \$.04 1.22
umb bs. <u>eed</u> eed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture TOTAL FEED COSTS increase in value of feeders		23.6 $12623$ $20$ $390$ $40$ $37$ $511$ $194$ $-$ $467$ $705$ $745$ $$.04$ $1.22$ $21.34$ $38.66$
lumb bs. leed leed let ETU BE XETU	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture TOTAL FEED COSTS increase in value of feeders ENS ABOVE FEED COST PER CWT EF PRODUCED ENS FOR \$100 OF FEED	\$ \$ \$ \$ \$	23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 \$.04 1.22 21.34
Teed	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture TOTAL FEED COSTS increase in value of feeders ENS ABOVE FEED COST PER CWT EF PRODUCED	\$ \$ \$ \$ \$	23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 \$.04 1.22 21.34 38.66 \$17.32
lumb bs. 'eed 'eed 'eed 'eed 'eed 'eed 'eed 'ee	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture TOTAL FEED COSTS increase in value of feeders ENS ABOVE FEED COST PER CWT EF PRODUCED ENS FOR \$100 OF FEED e recd. per cwt.beef sold in 1951 e paid per cwt. beef bought	\$ \$ \$ \$ \$	23.6 12623 20 390 40 37 511 194 - 467 705 745 \$12.08 \$.04 1.22 21.34 38.66 \$17.32 \$210
umb bs. eed eed eed ETU ETU ETU ETU c.	er of animal units in the herd beef produced er cattle: No. of farms: s per cwt. beef produced, lbs.: Corn Small grain Commercial feeds Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage cost per cwt. beef produced Concentrates Roughages Pasture TOTAL FEED COSTS increase in value of feeders ENS ABOVE FEED COST PER CWT EF PRODUCED RNS FOR \$100 OF FEED e red. per cwt.beef sold in 1951	\$ \$ \$ \$ \$	23.6 $12623$ $20$ $390$ $40$ $37$ $511$ $194$ $-$ $467$ $705$ $745$ $$12.08$ $8.04$ $1.22$ $21.34$ $38.66$ $$17.32$ $$210$ $$33.83$

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Table 25. Feed Co	sts and K	eturns	irom a	Farm Flock	of Sheep, 195	51
					17 farms	
				Average	highest in	lowest in
		÷	Your	of 34	returns	returns
Items			farm	farms	above feed	above feed
Feeds per head, *1bs.:						
Concentrates				73	38	108
Legume hay				333	247	419
Other hay				58	84	31
Fodder and stover				25		50
Silage				145	153	137
Feed cost per head;						<b>ا می</b> د
Concentrates		C,	;	\$1.88	\$1.02	\$2.74
Roughages				4.15	3.26	5.03
Pasture	•					1.09
TOTAL FEED COSTS		ģ		<u>1.15</u> 7.18	<u>1.22</u> 5.50	8.86
Value of produce per head:				• • • •		
Wool	•			\$6.13	\$6.93	\$5.33
Net increase in value of	of sheep		in the second	15.77		11.41
TOTAL VALUE PRODU		ġ	, ,	21.90	<u>20.13</u> 27.06	16.74
RETURNS ABOVE FEED COST PER	HEAD			14.72	21.56	7.88
						1
RETURNS FOR \$100 OF FEED	8 1 L			\$397	\$564	\$230
Price per cwt. of lambs sold	1	4	5	\$29.87	\$29.93	\$29.81
Price per 1b. wool sold (ct;	s.)			93.4	99.2	87.2
Pounds of wool per sheep she	eared			9,2	9.3	9.0
Number of ewes kept for lamb	ping			31	26	35
% lamb crop**				108	117	99
% death loss**	1. *		<i>i</i> .	11.0	11.0	11.0
Pounds of sheep produced				2449	2470	21:27
	· · · · · · · · · · · · · · · · · · ·					· 1
No. of head of sheep*				45.8	38.3	53.3

Table 25. Feed Costs and Returns from a Farm Flock of Sheen, 1951

\*Two lambs under six months of age considered as one head. \*\*Lambs which die during month of birth are not included.

Table 2	o. Feed Costs and	1000001110 11	0111 0112 0110	27 farms	27 farms
			Average		lowest in
- · · · ·		Your	of 134	-	return
Items	•	farm	farms		above feed
Feed per hen, 1bs.:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Grain	1		95	92	92
Commercial feeds			95 48 143 2	47	_57
Total conce	ntrates		143	139	149
Skim milk and bu	ttermilk		2	2	на 1 м. – <u>1</u> 4
TOTAL FEED COST PER H	EN e e d	Ş	\$4.83	\$4.67	\$5.32
			_		
Value of produce per	hen:			(1,1,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	<ul> <li>A state of the sta</li></ul>
Eggs sold and us	ed in house	. Ş	\$6.96	\$8.51	\$5.28
Net increase in	value of chickens		<u>.60</u> 7.56	<u>1.23</u> 9.74	<u>•22</u> 5•50
TOTAL VALUE	PRODUCED		7.56	9•74	5.50
REFURNS ABOVE FEED CO	st per hen	\$	\$2.73	\$5.07	\$ .18
RETURNS FOR \$100 OF F	EED	\$	<b>\$166</b>	\$216	\$109
Price rec'd per doz.	orre and (conta)		43.5	1414.14	42.7
Eggs laid per hen	eggs sorth (centre)	the second s	193		150
DEES TATA Der Hen	4	The second state of the second state and the second state of the s	رزيد	الرع	± )0
Ave. no. of hens on f	arm during year		269	282	209
		· · · · · · · · · · · · · · · · · · ·	-	•	
% of hens that are pu	llets	•	82	96	1 71 A
% of death loss of he			16	12	19
Number of chieles -tas	to a strand of the man		70	63	61
Number of chicks star			301	421	239
	-pullets		201		- 28 28
	-cockerels		1241	39 1956	
Pounds of poultry pro	aucea	warden of the state of the stat	76-17	1900	958

Table 26. Feed Costs and Returns from Chickens, 1951\*

\*Includes feeds and returns from the laying flock and chicks.

....

	· · · · · · · · · · · · · · · · · · ·	Average
n an		64
Items Number of cases	farm	farms
Feed per 100 chicks raised, 1bs.:		m = 1
Grain		1373
Commercial feeds		1283
Total concentrates	tagan gan salga mganangan nagta at	2661
	10-00-00-00-00-00-00-00-00-00-00-00-00-0	
Fotal feed cost per 100 chicks raised		\$99.01
Net increase in val. per 100 chicks	and a state of the second	72.93
Return over feed cost per 100 chicks		-26.08
		n an an Association and State Andreas Andreas
Return for \$100 of feed		\$86
Number of chicks bot:	· · · ·	an a
Pullets		366
Straight run		1000 1000 - 1000 1000 - 1000
Cockerels	1996-1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1	29
Price paid per 100 chicks bot:		a da ser a la companya da ser a ser estas en est
Pullets		a manager al la \$44 <b>.</b> 72 and a good micro
Straight run		<b>19.25</b> (19.4)
Cockerels		3•99
	×	ngalan sa
Per cent death loss Number chicks raised	and the state of the	15 - Maria - 1410 - Maria Maria
Price rec'd per pound sold (cts.)	·	21.6
Pounds of poultry produced	• • • • • • • • • • • • • • • • • • •	1741
Carro of Doar at Dioarcea		مدر الم <u>د</u>

Table 27. Feed Costs and Returns from Chicks, 1951

Table 28. Feed Cost and R	eturns	from Laying	g Hens, 1951	
	· · ·	E	ggs laid per h	ien
an an an an Aline ann an Aline an Aline An Aline an A	Your	Below	175-	225 and
Items	farm		224	over
Number of Cases	f.	25	36	21
Feed per hen, 1bs:		n an the second seco	e second construction with the	and the second
Grain		69	79	78
Commercial feeds		$-\frac{31}{100}$	33	<u>- 34</u>
Total concentrates	-	100	112	112
Skim milk	·····	1	· 1	2
Total feed cost per hen		\$3.26	\$3.72	\$3.77
Value of produce per hen:	i a si	et	1	
Eggs sold and used in home	· · · · · · · · · · · · · · · · · · ·	\$5.30	\$7.24	\$8.83
Less depreciation and death loss		•39		
Total value produced		4.91	<u>•52</u> 6.72	• <u>53</u> 8•30
[10] A. Martin and M. Ma Martin and M. Martin and M Martin and M. Martin and M Martin and M. Martin and M. Martin And M. Martin and M. Mart	t stations			
Return above feed cost per hen		<b>\$1.</b> 65	\$3.00	\$ <sup>4</sup> •53
Return for \$100 of feed		\$151	\$181	\$220
Eggs laid per hen		150	200	245
Price rec'd per doz. eggs sold (cts.)	• • • • • • • • • • • • • • • • • • • •	42.9	43.5	43.2
Ave. no. hens on farm during year		278	264	333
No. of hens on hand beginning of year	р. 		292	389
% death loss		19 65	15 87	14. 07
$\wp$ of hens that are pullets		<sup>0</sup> 2	0	97

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Table 29. Feed Costs and Retur	<u> </u>	Average
Items	Your farm	of 5 farms
Feed per cwt. turkeys produced, lbs.: Grain Commercial feeds Total concentrates	ann an Anna an An Anna an Anna	335 <u>263</u> 598
Feed cost per cwt. turkeys produced	Ş	\$21.11
Net increase in value per cwt. turkeys produce	sđ Ş	\$33.13
RETURNS ABOVE FEED COST PER CWT. TURKEYS PRODUCED	Ş	\$12.02
REFURNS FOR \$100 FEED	\$	\$167
No. of poults put on feed Price paid per poult purchased (cts.) % death loss Price rec'd per 1b. turkeys sold (cts.) Weight per bird sold (lbs.)		1077 61.3 19.6 39.1 13.2
Pounds of turkey produced		11806

Table 29. Feed Costs and Returns for Turkeys, 1951

#### EXPLANATION OF "VORK 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 30.

Table 30. Number of Work Units for Each Class of Livestock and Each Acre of Crop

No.	of		llo. of
work	units	Item	work units
14.0	per cow	Small grain	7 per acre
le 4.0	per an. unit*	Sugar beets	3.0 per acre
5.0	per an. unit*	Sweet corn	2.3 per acre
•35	5 per 100 lbs.	Corn husked	1.1 per acre
1.8	per an. unit*	Corn, hogged	•7 per acre
	per 100 1bs.	Corn, shredded	2.2 per acre
•3	per loo lbs.	Corn, silage	1.7 per acre
•7	per 100 lbs.	Corn, fodder	1.0 per acre
22.0	per 100 hens	Alfalfa hay	.9 per acre
2.0	per acre	Soybean hay	1.4 per acre
•7	per acre	Other hay crops	.6 per acre
	work 14.0 1e 4.0 5.0 .35 1.8 .4 .3 .7 22.0 2.0	<pre>1e 4.0 per an. unit* 5.0 per an. unit* 5.5 per 100 lbs. 1.6 per an. unit* .4 per 100 lbs3 per 100 lbs. 22.0 per 100 lbs. 22.0 per 100 hens 2.0 per acre</pre>	work unitsItem14.0 per cowSmall grain1e4.0 per an. unit*Sugar beets5.0 per an. unit*Sweet corn.35 per 100 lbs.Corn husked1.8 per an. unit*Corn, hogged.4 per 100 lbs.Corn, shredded.3 per 100 lbs.Corn, silage.7 per 100 lbs.Corn, fodder22.0 per 100 hensAlfalfa hay2.0 per acreSoybean hay

\* Animal unit represents one dairy cow or bull, two other dairy cattle, 1 1/4beef cows or bull, 1 feeder steer or heifer, 3 1/3 other beef cattle, 7 sheep, 14 lambs,  $2\frac{1}{2}$  hogs, 5 pigs, 50 hens or 1100 pounds of turkeys produced.

					· · · · ·					
		Tab	le 31. Sur	nmary by Y	ears		•	,	4	
	Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-46	1947,	1948	1949	1950	1951
Number of farms Acres in farm Crop acres in farm Farm inventory	1 <sup>4</sup> 8 170 116 \$2 <sup>4</sup> 57 <sup>4</sup>	1 <sup>1</sup> 10 199 136 \$19851	149 218 147 \$20286	177 227 148 \$25912	170 223 147 \$28327	170 223 146 \$31183	173 225 150 \$33873	164 223 150 \$35300	165 222 153 \$37768	162 222 153 \$42333
Farm earnings (see page 27.) FARM EXPENSES Cattle Hogs bought Sheep bought Poultry bought	\$ 141 85 6 37	\$ 83 52 14 41	\$ 213 72 94 80	\$ 441 154 64 142	\$ 352 163 97 202	\$ 436 226 65 149	\$ 646 199 45 145	\$ 636 217 18 182	\$ 807 179 10 148	\$ 1271 219 54 145
Horses bought Misc. livestock expense Misc. crop expenses Feed bought	36 66 186 440	33 64 160 313	43 94 222 535	32 124 301 1273	17 182 507 1842	11 250 780 2224	11 257 933 2090	12 268 780 1773	9 315 819 1972	5 327 876 <b>22</b> 99
Custom work hired Power mach. (new & exp.) Mach. and equip. (new) Mach. and equip. (upkeep)	399 190 72	321 122 55	559 281 67	165 717 392 144	318 995 520 24年	400 1515 823 303	507 2178 1372 318	461 2128 990 290	446 2186 1251 304	522 2194 1380 346
Bldgs., fencing (new) Bldgs., fencing (upkeep) Hired labor Taxes and insurance General farm Total farm purchases	130 52 272 298 <u>30</u> \$2,440	81. 32 243 313 28 <b>\$1,9</b> 55	245 79 398 281 <u>35</u> \$3,298	331 188 585 303 52 <b>\$5,</b> 408	340 238 702 361 76 <b>\$7,1</b> 56	897 354 893 425 94 \$9,845	1205 383 957 525 104 \$11,875	1109 403 990 575 115 \$10,947	1139 409 891 656 116 \$11,657	1218 359 885 671 128 \$12,899
Decrease in farm capital Board to hired labor Interest on farm capital Unpaid family labor Total farm expenses	102 1,228 <u>358</u> \$4,128	230 87 992 261 <b>\$3,</b> 525	145 1014 239 \$4,696	158 1296 <u>326</u> \$7,188	128 1417 474 \$9,175	201 1559 582 \$12,187	209 1694 544 \$14,322	203 1765 483 \$13,398	205 1888 462 \$14,212	189 2117 505 \$15,710

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			Table 31		y by Year		ued)					
		Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-46	1947	1948	1949	1950	1951	••••••••••••••••••••••••••••••••••••••
Ĩ	TARM RECEIPTS						191			······································	· · · · · · · · · · · · · · · · · · ·	
، <sup>بر</sup> را م	Cattle Dairy products Hogs Sheep and wool	\$ 753 1662 1164 52	\$ 431 1188 793 60	\$    713 1451 1074 200	\$ 1335 2138 2517 186	\$ 1480 3797 2718 247	\$ <b>21</b> 08 4129 4362 224	\$ 2440 4811 4222 299	\$ 2602 3866 3971 143	\$ 2844 4005 3926 160	\$ 3551 4500 4646 177	
	Poultry Eggs Horses Corn	140 275 30 37	166 243 27 62	381 372 55 153	629 751 3 <sup>1</sup> 4 121	871 1218 22 190	609 1410 23 402	596 1402 15 316	416 1347 17 576	327 1158 19 <sup>4</sup> 33	359 1522 10 444	
	Small grain Other crops Income from labor off farm Agric. adj. payments Misc. Total farm sales	241 163 102 0 <u>134</u> \$ 4,753	177 155 118 74 <u>138</u> \$ 3,632	357 174 168 230 247 \$ 5,575	278 455 141 254 <u>282</u> \$ 9,121	306 740 168 58 <u>366</u> \$12,181		1264 911 225 76 <u>611</u> \$17,188		766 669 199 59 788 \$15,353	461 739 232 60 <u>792</u> \$17,493 3064	-26-
	Increase in farm cap. Fam. living from farm Total farm receipts Total farm expenses Over. lab. earnings	617 <u>325</u> 5,695 4,128 1,567	232 3,864 3,525 339	524 <u>273</u> 6,372 4,696 1,676	921 566 10,608 7,188 3,420	73 <sup>4</sup> 670 13,585 9,175 4,410	3542 74 <u>1</u> 20,230 12,187 8,043	1520 <u>791</u> 19,499 14,322 5,177	527 700 16,040 13,398 2,642	3457 702 19,512 14,212 5,300	816 21,373 15,710 5,663	· · I
Ĩ	AISCELLANEOUS ITEMS Yield per A. corn (bu.) Yield per A. barley (bu.) Yield per A. oats (bu.) Yield per A. alfalfa (tons)	44.8 36.0 46.0	1;3.1 26.2 40.0 2.3	47.2 28.7 43.4 2.3	55•7 24•8 44•2 2•4	42.4 31.9 45.7 2.4	41.6 29.4 47.5 2.4	60.3 32.6 55.0 2.3	51.3 28.2 47.2 2:2	52.0 34.6 45.7 2.2	50.8 27.9 48.6 2.9	
	% high return crops A.U. livestock per 100 A. No. of work units Work units per worker Expenses per work unit No. of work horses No. of colts No. of milk cows	31.9 19.2 599 310 \$1.76 5.4 .8 14.2	35.8 20.6 747 338 \$1.26 5.4 .7 17.8	41.0 19.3 777 341 \$1.37 4.5 1.2 17.8	43.3 24.5 670 305 \$2.35 3.9 .8 17.6	48.7 23.1 640 320 \$3.57 3.0 .4 17.0	50.2 22.6 573 287 \$4.74 2.5 .2 16.9	51.0 22.2 577 288 \$5.62 2.3 .2 16.7	56.0 22.7 577 288 \$5.97 2.0 .2 17.4	55.9 22.7 588 294 \$5.95 1.6 .1 17.2	63.2 29.6 594 313 \$6.54 1.3 .1 16.6	

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sc. Items (cont.)	Average									
	1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-46	1947	1948	1949	1950	1951
No. of litters of pigs	9.3	10.8	9.5	14.4	10.7	11.0	12.4	13.7	14.0	15.5
Lbs. of hogs produced	12,706	15,153	13,438	21,586	18,178	17,686	19,215	21,438	21,593	23,957
No. of head of sheep	7.0	13.5		15.8	11.6	11.0	10.8	9.3	8.4	10.1
No. of hens	136	169	182		5 <sub>777</sub> 1	239	230	220	219	224
Lbs. B.F. per dairy cow	244	240		252	260	281	254	305	312	307
Lbs. B.F. per dual pur. co		1 i i 🛶 .	~	185	172	180	186	197	206	204
Pigs weaned per litter	6.3	6.1	6.4	6.2	6.4	6.2	6.4	6.7	6.6	6.5
No. of eggs laid per hen	95	114	131	145	171	177	179	191	198	193
ICE RECEIVED PER:					·					
Lb. B.F. sold as cream	\$.52	\$.28	\$.34	\$.47	\$•79	\$.84	\$•95	\$.70	\$.70	\$.79
Cwt. hogs sold	8.92	ia i <b>1</b> ,98 .	8.26	10.93	15.74	24.54	22.95		18.25	19.69
Cwt. feeder cattle sold		<b>**</b>	· · ·	11.55	14.75	21.94	28.16	23, 32	27.31	33,83
Lb. wool sold	.36	.16	.25	•39	•45	•37	.46	.45	•55	•93 •44
Doz. eggs sold	.28	.15	.19	•27	•36	.42	.43	<b>,</b> 40	•33	•44
Lb. turkey sold		· • •	20	.27	•33	•36	.48	•40	•36	• • 39
TURN ABOVE FEED COST PER:		÷ .	· · · · · ·							
Dairy cow	\$76.50	\$ <b>28.15</b>	\$49.95	\$81.83	\$152.20	\$153.06	\$203.85	\$145.03		\$189.01
Dual purpose cow	· · · <u> </u>			51.55	92.37	106.77	130.26	99.52	104.44	130.72
Cwt. hogs produced	1.50	.48	2.98	3.93	5.65	8.19	5.52	5,43	6.99	5.94
Head of sheep	5.50	•81	2.82	, <b>3.</b> 93 4.63	6.79	7.33	g•06	6.70	13.25	14.72
Hen	1.82	•99	1.12	1.82	2•36	1.34	2.52	2:99	1.52	2.73
Cwt. turkeys prod.		· · · · · · · · · · · · · · · · · · ·	10.81	13,54	12.08	4.74	27.48	16.52	10.33	12.02
TED COST PER:										+ 1.1 C
Dairy cow	\$69.50	\$47.30	\$44.93	\$63.13	\$101.16	\$141.42	\$142.12	\$130.28	\$136.97	\$144.56
Dur purpose cow	-	-	· · ·	52.08	69.95	93.83	100.12	88.73	99•55	101.54
Cwt. hogs produced	7.66	4.21	5.10	7.52	11.37	17.99	15.04	10.40	12,20	13.31
Head of sheep	2.82	2.23	2.62	3.30	4.50	5.54	5.94	5+35	6.25	7.18
Hen	1.62	1.13	1.57	2.38	3.84	5.53	4.78	3.95	4.49	4.83
Cwt. turkeys prod.			8.47	12.86	17.61	27.70	18.43	17.08	19.32	21.11
Horse	55.09	35-59	36.02	41.52	42.73	48.56	41.82	36.75	42.56	
RICE OF FEED:	<i></i>									
Corn (per bu.)	\$.70	\$_45	\$.59	\$.71	Ş.98	\$1.76	\$1.63	\$1.02	\$1.20	\$1.36
Barley (per bu.)	.60	.42	.49	•59	1.05	1.82	1.59	•99	1.20	1.23
Oats (per bu.)	.48	.26	.28	46	.65	.92	•88	•59	.72	.81
Bran (per cwt.)	1.70	.98	1.22	1.80	2.45	3.20	2.85	2.85	2.30	3.20
Oilmeal (per cwt.)	3.00		2.12	2.30	3.11	4.50	4.50		1.1.1	3.85
Alfalfa (per ton)	14.75	11.10	1 a zo	a an	15.25	21 50	20.00	20.00	21.00	19.00
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#### Footnote for pages 25, 26, and 27

The values of farm real estate in 1931 were reduced approximately 25 per cent from 1928-1930 values. The values in 1932 were reduced about 29 per cent from the 1931 values. Only land was affected by the reduction in 1931, but in 1932 buildings and improvements were cut 25 per cent. In 1936 the values of land were adjusted upward 10 per cent. The value of dairy cows was also adjusted downward in 1932 and upward in 1936. These capital losses were not included in the inventory decreased in the financial statement but the changes in valuation resulted in variations in the interest charge. No changes in the basis of inventory valuations were made in the years 1933 to 1935 and 1937 to 1950.

The charges for unpaid family labor and board for hired labor were also changed from year to year. The rates used for the period 1928 to 1950 were as follows:

Year	Unpaid <u>family labor</u>	Board for <u>hired labor</u>	Year	Unpaid family labor	Board for <u>hired labor</u> .
1928	\$60	\$20	1940	\$45	\$18
1929	60	20	1941	50	20
1930	60	20	1942	60	. 25
1931	140	15	1943	75	25
1932	30	10	1944	85	25
1933	30	10	1945	90	25
1934	301	10	1946	100	30
1935	40	15	1947	125	36
1936	43	18	1948	125	36
1937	45	18	1949	125	36
1938	¥5	18	1950	125	36
1939	45	18	1951	125	36

Several changes were made in the 1940 records. The value of the house which had previously been omitted from the farm business was included and a rental charge equal to 10 per cent of the average value of the house was included with the farm perquisites. The standards used in the calculation of work units were changed in accordance with the new information made available. This latter change also affected the work units per worker and the factor of expense per work unit. The acres in protected woodlots, roads, waste and farmstead were omitted from the acreage used in the calculation of amount of livestock per 100 acres. Several new livestock statements were added. Cattle were classified into two groups: "specialized dairy cattle" and "dual purpose cattle". Statements for beef breeding cattle, feeder cattle and feeder sheep were also included.

The crop ratings used in calculating the percentage of the tillable land in high return crops were changed considerably in 1944 and the animal unit equivalent were changed in 1951.

These adjustments should be considered in comparing 1951 results with previous years.