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UNIVERSITY OF MINNESOTA
Department of Agriculture
and
UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
and the
County Extension Services of
Brown, Cottomood, Faribault, Jackson, Lincoln, Lyon, Martin,
Murray, Nobles, Pipestone, Redwood, Rock and Watonwan Counties
and the
Southwest Minnesota Farm Management Association
Cooperating

Annual Report
of the
Southwestern Minnesota
Farm Management Service
1941

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Second Annual Report of the Southwest Minnesota Farm Management Service of Brown, Cottonwood, Faribault, Jackson, Lincoln, Lyon, Martin, Murray, Nobles, Pipestone, Redwood, Rock, and Watonwan Counties for the Year 1941

Prepared by T. R. Nodland, G. E. Toben, and G. A. Pond

INDEX

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· · · · · · · · · · · · · · · · · · ·	1 256
Introduction	1.1
Summary of Farm Inventories	4
Amount of Livestock.	5
Summary of Farm Earnings (Cash Statement)	6
Summary of Farm Earnings (Enterprise Statement)	7
Analysis of the Reasons for Differences in Operator's Earnings	8
Effect of Well-Balanced Efficiency on Operator's Earnings	11
Measures of Farm Organization and Management Efficiency	12
Thermometer Chart	13
Distribution of Acres in Farm	14
Yield of Crops	15
Feed Costs and Returns from Dairy Cows	16
Feed Costs and Returns from Other Dairy Cattle	17
Feed Costs and Returns from All Dairy Cattle	17
Feed Costs and Returns from Dual-Purpose Cows	18
Feed Costs and Returns from Other Dual-Purpose Cattle	19
Feed Costs and Returns from All Dual-Purpose Cattle	19
Feed Costs and Returns from the Beef Breeding Herd	20
Feed Costs and Returns from Feeder Cattle	20
Feed Costs and Returns from Sheep - Farm Flock	21
Feed Costs and Returns from Sheep - Feeders	21
Feed Costs and Returns from Hogs	22
Feed Costs and Returns from Chickens	23
Feed Costs and Returns from Turkeys	24
Feed Costs for Horses and Other Power Expense Items	24
Family Living from the Farm	25
Household and Personal Expenses	25
Summary of Farm Earnings - Averaged by Counties	26
Miscellaneous Information - Averaged by Counties	27
	28
Comparison of Various Items with 1940	29
the control of the co	

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 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 thru 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.

Note: Assistance in the preparation of this material was furnished by workers supplied on N.Y.A. Student Work Project No. 350-70. Sponsor: University of Minnesota.

The analysis of the records and the preparation of the reports are handled by the Division of Agricultural Economics under the direction of G. A. Pond, T. R. Nodland, and G. E. Toben. Field organization is handled by the Extension Division with S. B. Cleland and J. B. McNulty in charge of this work. Ross Huntsinger has been fieldman since the organization of the project. At the end of the year Max Hinds and Don Sandager of the Division of Agricultural Economics aided in closing the records. County agricultural extension agents who cooperate in this project include Paul Kunkel, E. C. Rogers, C. G. Gaylord, L. S. Orfield, T. G. Fuller, F. J. Meade, C. G. Powell, A. B. Hagen, C. E. Stower, C. C. Chase, J. I. Swedberg, J. Kenneth King, and Lester Justice.

The officers for the Southwest Farm Management Association for 1941 were:

President, Porter Olstad, Hanska, Brown County Vice-President, Milford Davis, Reading, Nobles County Secretary-Treasurer, Arthur Foster, Garvin, Murray County

The board of directors include these officers and also the following: Wm. Golly, Cottonwood county; Stanley Hanks, Faribault county; George Rentschler, Jackson county; Joe Boulton, Lincoln county; W. E. Jones, Lyon county, W. I. Boyce, Martin county; Paul Cunningham, Pipestone county; Frank Sheffield, Redwood county; L. J. Moeller, Rock county; and Duane Drake, Watonwan county. to the term of the contract of the contract

The following tabulation shows by counties the numbers of members who completed the state of the s records in 1941:

6	-4				
	Brown	10 Line	coln 8	Nobles	19
,	Cottonwood	12 Lyon	n 12	Pipestone	7
	faribaült 🔧	20 Mar	tin 14	Redwood	24
	Jackson '	17 Muri	ray 12	Rock	8
	, ,		and the second of the	Watonwan	10
				Total	173

The tables on page 4, and succeeding pages show 166 farms. Seven farms have been omitted from all of the averages in the tables because they differed so widely in type from the others or were not sufficiently complete for a full analysis. TYPE OF FARMING* 医内部 网络西西德 人名西西 医皮肤 医皮肤

The farms in this area have a wide diversity of enterprises. All classes of livestock are important although livestock kept for meat production tends to predominate. The sale of crops constitutes an important source of income. The principal feed crops grown are corn, oats, barley, and hay. In addition wheat, sweet corn, canning peas, and flax are grown to a limited extent as cash crops.

TOPOGRAPHY, SOILS, AND WEATHER

TO BUILD HOLD THE MENTINE The soils range from dark brown to heavy black loam. The major part of the area is undulating to gently rolling land interspersed with almost level tracts. In the western part of the area the surface ranges from undulating to sharply rolling. Nearly all of the land is tillable and well drained.

Weather conditions in 1941 were unfavorable for early spring work; seeding of small grains was seriously delayed. A considerable acreage of small grain was not seeded until early May. A low rainfall, relatively high temperatures, and strong winds in May dried out the tilled soil and resulted in uneven germination of corn, soybeans and sorghums. Excessive moisture in June hindered corn cultivating and haying. Hot, dry weather during July and August damaged small grains and pastures,

^{*}For a more complete description of the area see Engene, S. A., and Pond, G. A., "Agricultural Production and Types of Farming in Minnesota," Minn. Bul. 347, May, 1940.

especially in the western counties. Beginning about July first, a series of hailstorms devastated portions of the area. Frequent rains in late September and October delayed late threshing and other fall work. Killing frosts occurred in late October.

	Table 1.	Monthly	and Annual	Precipit	ation		
	Worthington		mont		Ulm	Redwoo	od Falls
•	Precip- Depar-	Precip-	Depar-	Precip-	Depar-	Precip-	Depar-
	itation ture from	itation	ture from	itation	ture from	itation	ture from
•	normal		normal		normal		normal
	Inches Inches	Inches	Inches	Inches	Inches	Inches	Inches
•		4		÷ . • •			
January	0.61 -0.02	0.86	+0.06	0.77	-0.36	0.72	-0.01
February	0.78 - +0.01	0.73	-0.24	1.47	+ 0.41	0.72	-0.15
March	1.14 -0.12	1.24	-0.17	1.46	-0.15	0.72	-0.53
April	4.08 .42.00	3.51	41.2 8	3.57	+1. 38	2,93	+ 1.00
May	0.61 -3.33	2.28	-1.77	4.93	+1.36	2.13	-0.73
June	5.72 +1.43	6.18	+1.84	6.25	+1.60	5.55	+ 1.06
July	2.69 -0.70	2.42	-1.14	4.41	+0.73	5.48	+2.44
August	2.07 -1.69	2.03	-1.71	0.53	-3.02	0.40	-2.58
September	5.05 +1.51	4.88	+1.25	3.91	+ 0.32	_2 . 52	-0.34
October	2.91 +1.22	6.27	14.42	5.90	4 3.74	3.62	+1. 95
November	1.69 +0.52	1.88	+0.37	0.90	-0.41	0.50	-0.71
December	0.87 ±0.26	0.64	-0.26	0.84	<u>-0.06</u>	0.78	-0.30
1941 Total	28.22 +1.09	32.92	4 3.93	34.94	‡ 5.54	26.07	+ 1.10
1940 Total	22.50 -4.63	28.72	-0.27	36.90	+ 7.50	25.95	4 0.98
1939 Total	24.27 -2.86	21.92	-7.07	23.04	-6.36	18.52	-6.45
1938 Total	40.50 +13.37	39. 99	+11.00 .	29.98	+0,•58	26.84	41. 87
			•		Contract of the Contract of th	e a service	•
Normal Annual Prec	. 27.13	28.99	ned to the second	29.40		24.97	

RECORDS KEPT

The records kept by the cooperators included inventories at the beginning and end of the year, cash receipts and expenses, a report of feed fed to the various classes of livestock, and a record of farm produce used by the farm family. Supplementary information was also secured during the year regarding crop and livestock production and practices.

The cooperators were assisted and supervised in keeping their records by the field agent, Ross Huntsinger, who visited each farm in the thirteen counties several times during the year. In addition to securing the supplementary information, the field agent's duties included numerous services, viz., securing a monthly list of prices of farm products prevailing in the area, helping the farmer place uniform values on real estate and equipment, checking the cash and feed records, and answering any questions that might arise as to how the entries should be made in the account book. The supervision resulted in uniformity in the type of records secured, in the inventory valuations and in the prices at which feed and farm produce were charged.

At the end of the year, the books were taken to the central office at University Farm, where they were summarized. For the purpose of comparison, the earnings as shown in this report are computed as if each farm was owned by its operator; however, each tenant is supplied a statement of his earnings on the basis of the rental system under which he is operating.

Table 2. Summary of Farm I	nventor	ies (Begin	ning of Year), 1941	
	Your	Average	33 most	33 least
	farm	of 166	profitable	profitable
Items		farms	farms	farms
			and a second of the second of the second	
Size of farm (acres)		295	446	249
Size of business (work units)*		631	957	45 8
The first of the second section of the section of th	,,,	6 · · · · · · · · · · · · · · · · · · ·		
Horses \$_		\$ 369	\$ 445	\$ 340
Productive livestock (total)	* * * * * * *	4,567	9,558	2,739
Dairy and dual-purpose cows		642	723	521
Other dairy & dual-purpose cattle _	5 (₁ 1 · 1 ·	363	347	353
Beef cattle (including feeders)	j *	2,169	5,553	1,105
Hogs		709	1,207	480
Sheep (including feeders)		558	1,582	178
Poultry (including turkeys)	1	126	146	102
Crop, seed, and feed		4,126	6,692	3,096
Mach. & equipment (total)		2,943	4,517	2,145
Power mach. (f. share)		1,122	1,703	866
Crop & gen, mach. (f. share)		1,419	2,211	956
Livestock equip. & supplies	. , , , , ,	402	603	323.
Buildings, fences, etc.		7,487	10,580	6,599
Land .		15,812	<u> 25,341</u>	<u>12,789</u>
				P
Total farm capital \$_		\$35,304	\$57,133	\$27,708
				. (

*Explanation of term: "Work units."

The total "work units" for any one farm is a measure of size of that farm business. It is the accomplishment of a farm worker in a ten-hour day working on crops and productive livestock at average efficiency.

The number of work units for each animal and each acre of crops used in this report are listed as follows:

Item	Per	No. of work units	Item	Per	No. of work units
					1.1
Dairy and dual-	cow	13.5	Small grain	acre	• 7
purpose cows			Soybeans for	grain "	9 %
Other dairy & dual-)		4.0	Sugar beets	tt.,	.3.0° (≥ 5°)
purpose cattle)	animal	1	Sweet corn	ŧ	2.5
Beef breeding herd)	unit*	4.0	Corn, husked	Light of the state of	1.3
Sheep - farm flock)		1.6	Corn, hogged	T	8.
Hens	100 hens	26.0	Corn, shredd		2.5
Feeder cattle)		.35	Corn silage	n	. 1 . 9
Feeder sheep)	100 lbs.	.4	Corn fodder	11	1.3
Hogs)	produced	. 25	Alfalfa hay	transfer of the	1.0
Turkeys)		.7	Soybean hay		1.4
Canning peas	acre	2.0	Other hay cr	ops "	. 6
					1 2 23

^{*}Animal unit represents one cow, one bull, one feeder steer or heifer, two head of other cattle, seven head of sheep, fourteen lambs, five hogs, ten pigs, 100 hens, or 1,400 lbs. turkeys produced.

tems		Your farm	Average of 166 farms	ear), 1941 33 most profitable farms	33 least profitable farms
Iorses		\$	\$ 347	\$ 425	\$ 321
roductive livestock (total)		And the state of t	6,283	13,613	3,398
Dairy & dual-purpose cows			692	769	560
Other dairy & dual-purpose cattle	•		424		333
Beef cattle (including feeders)			2,764		1,166
Hogs			1,510		881
Sheep (including feeders)			731		296
Poultry (including turkeys)	•		162	168	162
crop, seeds, and feed	*		4,521	7,919	3,012
Sach. & equipment (total)			3,292	5,06 6	2,171
Power machinery (farm share)			1,229	1,923	842
Crop and gen. machinery		*	1,595	2,491	984
Livestock equipment & supplies			468	652	345
Buildings, fences, etc.			7,667	-10,808	6,729
and	· ·		<u>15,812</u>	<u>25,341</u>	12,789
Total farm capital		\$	\$37,922	\$63,172	\$28,420
Table 4. Sum Items	mary of	Your farm	f Livestoc Average of 166 farms	33 most profitable farms	33 least profitabl farms
		yw)-14613-u(0064-1960-1966-1966-1966-1966-1966-1966-1966			·
No. of horses			4.2	5.3	4.2
No. of colts			1.0	1.5	.7
No. of dairy & dual-purpose cows			9.1	8.9	7.7
				and the same of th	
Head of other dairy & dual-purpose	cattle	4	10.0	8.4	8.9
Head of other dairy & dual-purpose Head of cattle kept in beef breedin		-	•	8.4 9.2	8 .9 8 .3
Head of cattle kept in beef breedin			•		
			9.4	9.2	8.3
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced			9.4 14,087 2,292	9.2 44,678 8,863	8.3 5,388 417
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs			9.4 14,087 2,292	9.2 44,678 8,863 27.5	8.3 5,388 417
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced	g herd		9.4 14,087 2,292 16.9 27,550	9.2 44,678 8,863 27.5 48,136	8.3 5,388 417 11.3 15,434
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa	g herd		9.4 14,087 2,292 16,9 27,550 20.8	9.2 44,678 8,863 27.5 48,136 22.5	8.3 5,388 417
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa	g herd		9.4 14,087 2,292 16.9 27,550	9.2 44,678 8,863 27.5 48,136	8.3 5,388 417 11.3 15,434 14.5 134
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173	9.2 44,678 8,863 27.5 48,136 22.5	8.3 5,388 417 11.3 15,434 14.5
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173	9.2 44,678 8,863 27.5 48,136 22.5 181	8.3 5,388 417 11.3 15,434 14.5 134
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173	9.2 44,678 8,863 27.5 48,136 22.5 181	8.3 5,388 417 11.3 15,434 14.5 134 41.4
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal ###################################	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173	9.2 44,678 8,863 27.5 48,136 22.5 181	8.3 5,388 417 11.3 15,434 14.5 134 41.4
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal % of total that are: Dairy and dual-purpose cows	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal % of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4	8.3 5,388 417 11.3 15,434 14.5 134 41.4
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt In beef breeding herd	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt In beef breeding herd Feeder cattle	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4 11.9 6.3 8.0 35.2	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8 17.5 4,1
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal % of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt In beef breeding herd Feeder cattle Sheep - farm flock	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4 11.9 6.3 8.0 35.2 3.3	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8 17.5 4.1
Head of cattle kept in beef breedin Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fa No. of hens Total no. of prod. livestock animal % of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt In beef breeding herd Feeder cattle Sheep - farm flock Sheep - feeders	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4 11.9 6.3 8.0 35.2 3.3 9.7	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8 17.5 4.1
Head of cattle kept in beef breeding Pounds of beef cattle produced Pounds of feeder sheep produced Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fallow, of hens Total no. of prod. livestock animal of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt In beef breeding herd Feeder cattle Sheep - farm flock Sheep - feeders Hogs	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8 19.7 12.0 11.6 20.0 4.8 3.6 22.9	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4 11.9 6.3 8.0 35.2 3.3 9.7 21.8	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8 17.5 4.1 .7 20.9
Head of cattle kept in beef breeding Pounds of beef cattle produced Pounds of feeder sheep produced. Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 head)(fallow, of hens Total no. of prod. livestock animal of total that are: Dairy and dual-purpose cows Other dairy and dual-purpose catt In beef breeding herd Feeder cattle Sheep - farm flock Sheep - feeders Hogs Turkeys	g herd	ek)	9.4 14,087 2,292 16.9 27,550 20.8 173 66.8 19.7 12.0 11.6 20.0 4.8 3.6 22.9 1.5	9.2 44,678 8,863 27.5 48,136 22.5 181 137.4 11.9 6.3 8.0 35.2 3.3 9.7 21.8	8.3 5,388 417 11.3 15,434 14.5 134 41.4 22.8 14.5 12.8 17.5 4.1 .7 20.9 2.3

Table 5. Summary of Farm Earnings (Cash Statement), 1941 Your Average 33 most 33 least farm of 166 profitable profitable Items farms farms farms FARM EXPENSES Horses bought 20 32 Dairy and dual-purpose cows bought 52 80 15 Other dairy & dual-purpose cattle bought 58 64 40 Beef cattle bought (including feeders) 4,993 732 1,766 Hogs bought 209 348 132 Sheep bought (including feeders) 686 2.407 161 Poultry bought (including turkeys) 96 154 81 Misc. crop expenses 303 503 243 Feed bought 1,718 4,509 826 Power mach. (farm share) (new) 776 446 175 Power mach. (farm share) (upkeep) 497 740 403 Custom work hired 1.34 140 144 Crop and general mach. (new) 416 706 146 Crop and general mach. (upkeep) 84 144 .70 Livestock equipment (new) 122 123 64 Livestock equipment (upkeep) 29 32 54 Misc. livestock expense 167. 109 85 Buildings and fencing (new) 434 533 346 var varmi unita i alt41 a Buildings and fencing (upkeep) 254 126 Hired labor 561 967 451 Taxes 337 - 566 269. Insurance 32 35 36 General farm (1) Total farm purchases \$8,355 \$18,320 \$4,647 (2) Decrease in farm capital (3) Board furnished hired labor 171 298 127 (4) Interest on farm capital 3,008 1,831 1.403 (5) Unpaid family labor 288 431 231 (6) Total farm expenses (Sum of (1) to (5)\$ \$10.645 \$22,057 \$6,408 FARM RECEIPTS Horses 22 41 Dairy and dual-purpose cows 184 181 146 758 889 599 Other dairy and dual-purpose cattle 208 206 243 Beef cattle (including feeders) 3,399 ... 9,279 Hogs 2,306 3,917 Sheep and wool (including feeders) 1,032 3,504 Poultry (including turkeys). 396 718 . 317 Eggs 334 360 250 375 . 371 Corn 477 Small grain 1,133 2,053 631 Other crops 283 495 220 Most 326 May 1 1 1 1 1 92 Power machinery sold 204 148 16 Crop and gen. mach. sold 74 321 Misc. 176 Income from work off the farm 196 226 Agricultural Adjustment payments 503 784 379 (7) Total farm sales . \$11,704 \$23,804 \$6,632 (8) Increase in farm capital. 6,039 2,618 712 (9) Family living from farm 702 445 (10) Total farm receipts (7) + (8) + (9) \$14.860 \$30.545 \$7,789 (6) Total farm expenses 22,057 __ 10,645 6,408 (11) Operator's labor earnings (10) - (6) 4,215 8,488 1,381

Table 6. Summary of farm Earn				
	Your farm	Average of 166		33 least
Items	1 20.1111	farms	profitable farms	profitable farms
			1. 201 1110	a cut in s
EXPENSES AND NET DECREASES				
Total power	\$	\$ 823	\$1,207	\$.713
Horses		169	253	154
Tractor			414	257
Truck		104	220	63
Auto (farm share)		154	204	126
Gas engine (farm share)		3	3	5
Elec. plant or current (farm share)	-	37		36
Hired power		- 69		72
Crop and general machinery	***************************************	2 56	403	198
Livestock equipment	***************************************	83	122	59
Buildings, fencing and tiling		266	406	231
Misc. productive livestock expense		105	163	80
Labor	***************************************	1,048	1,725	836 '
Real estate taxes		275	451	228
Personal property tax	**************************************	62	115	41
Insurance	***************************************	32	35	36
General farm		_ 55	68 68	53
Interest on farm capital	****	_ 1,831	3,008	1,403
222001000 OIL LOLIN CAPTOOL	Charles and the same of the sa	1,001	5,000	1,400
(1) Total expenses & net decreases		4,836	7,703	3,878
RETURNS AND NET INCREASES				
All productive livestock	\$	\$7,767	\$15,508	\$4,507
Dairy and dual-purpose cows	Ψ	924	•	786
Other dairy & dual-purpose cattle	***************************************	_ 324 411	•	766. 326
Beef breeding herd		_ 392		
Feeder cattle				293
Hogs	-	1,855		723
Sheep - farm flock	-	2,946		1,640
Sheep - feeders	M	_ 164		86
Turkeys		_ 356	1,366	65
9	. 	236	493	192
Chickens	· · · · · · · · · · · · · · · · · · ·	483	513	396
Crops, seed and feed	***************************************	376	- 656	146
Income from work off the farm		_ 196	226	93
Agricultural Conservation payments		_ 503	784	379
Miscellaneous	***************************************	_ 209	329	134
(2) Total returns & net increases	Marketon and the state of the s	9,051	16,191	5,259
(1) Total expenses & net decreases		_ 4,836	7,703	3,878
(3) Oper. labor earnings (2) minus (1)		4,215	8,488	1,381
/-/ -T-or o monor committee (N) mitting (T)	Alternative of States and Assessment of the States of St	- x, DIO	U , ~±UO	TOOT

⁽A) 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 in Table 5.

ANALYSIS OF THE REASONS FOR DIFFERENCES IN OPERATOR'S EARNINGS

The operator's labor earnings varied widely among the farmers included in this study. The average labor earnings of those farmers ranking in the upper 20 per cent in the range according to earnings was \$8,488 and of those in the lower 20 per cent was \$1,381. This is a range of \$7,107 between the average earnings of these two groups. Some of the causes for these differences in earnings may be beyond the control of the farmer. However, all of these farmers could make some changes in their farming operations which would increase earnings. A farmer can secure some ideas as to changes that could profitably be made on his farm by studying the facts about his business as presented in this report and comparing his accomplishments with other farmers following the same general type of farming. The more important management factors affecting earnings and their relationships with earnings are presented in the following tables.

8.285 ° 4			Y		11.1
Per cent crop	yields				e. State of the st
were of the a	verage.		No. of	Aver	age operator's
for all 166 f	arms	William markforft . To	farms	labo	r earnings
Group	Average				7
; ·	;			4	
Below 86	71		38	*	\$2,541
86-113	102		83	•	4,684
114 and above	123		45		4,763

Table 7. Relation of Crop Yields to Farm Earnings

High production per acre, up to certain limits, tends to lower the cost per bushel of grain or per ton of hay. Any possible method of management that will increase crop yields and therefore lower cost of production more than the extra expense incurred in securing the higher yields should be given consideration.

Table	8.	Relation	٥f	Choice	of	Crons	to	Farm	Harnings	
	O • /	710 70 1 7011	-	OTTOTO	O.T.	01000	00	T C T 111	mar mrne o	

Per cent of to		nd No. of	Average operator's
Group	Average	farms	labor earnings
Below 31.0 31.0-39.9 40.0 & above	27.0 45.9	36 89 41	\$3,908 3,955 5,048

41 1556

Farmers' earnings are affected by the choice of crops as well as by the yields of crops. As a rule, on these farms, such crops as alfalfa, clover, canning crops, sugar beets, corn, and flax bring a higher net return per acre than other crops usually grown. Additions can be made to earnings by putting as high a percentage as possible of the tillable land into these higher return crops.

^{*}Crops are marked on page 14 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.

Table 9. Relation of Returns from Productive Livestock to

Farm Earnings								
Index of return fed to producti		No. of	Average operator's					
Group	Average	farms**	labor earnings					
Below 84	74	30	\$3,397					
84-117	98	105	4,384					
118 and above	131	30	4,446					

*The index is weighted by the number of animal units.
**One farmer did not raise livestock.

The majority of these farms are livestock farms. A large proportion of the crops raised are fed on the farm and some additional feed is purchased. Feed is the major item of cost in livestock production and livestock constitutes an important source of income on these farms. Hence there is a marked relationship between returns for \$100 of feed and operator's labor earnings on these farms. There are a number of reasons for differences among farms in livestock returns. High productivity per animal and economy in the use of feed and labor are important. Other factors of considerable importance are kind of feed used, quality of pastures, balance of ration, degree of sanitation, and kind of shelter and equipment.

Table 10. Relation of Amount of Productive Livestock to

, '	Fa	rm Earnings	N.	
Productive 1 units per 10		No. of	Average o	peratoris
Group	Average	farms	labor ear	
Below 16.0 16.0-29.9	11.6 22.6	45 77	\$3,239 4,271	in a first our The lighter
30.0 and abo	ve 42.6	43	5,158	

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

On some farms the returns from livestock are so low that they do not cover feed and other costs. Such livestock is unprofitable, especially if there is more than enough to utilize what would otherwise be waste feed. If the livestock is yielding a net return, an increased amount of livestock adds to size of business and the opportunity to increase the farm earnings. Livestock produces manure and aids in keeping up the fertility of the land, and utilizes waste products on the farm. Livestock also helps to provide productive employment throughout the year. Any method that aids in utilizing the available resources to full and efficient capacity should add to the farm income.

Table 11. Relation of Size of Business (Work Units) to

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in the Cartina Group and the section of the Cartina of the Special Cartina of the Cartina of the

No. of work un	its Average		No. of farms	Average operator's labor earnings
Below 400 400-699	339 551	ing services September	0.0	\$2,175, 3,846
700 and above	982	$s = I = \max_{x \in \mathcal{X}} \left\{ \frac{1}{x} - \frac{1}{x} \right\}_{0}^{x}$	46	6,304

Land March

The size of the farming operations is one of the important factors affecting the earnings of farmers. On the average, the farmers with a large business had larger earnings than the farmers with a small business. The size of the farm business is here measured in terms of the number of work units. For farmers operating their farms at a loss, the larger the volume of business, the larger will be the loss; but a farmer who is making a profit could make a larger profit if he increased his size of business, providing that in so doing he does not lower materially the efficiency in some one or more important branches of his business. Those farmers who have large businesses usually have more flexibility of their organization than does the man with a small business, and can utilize more efficiently and to better advantage available labor, power, machinery and buildings. The size of the farm business may be increased by farming more land, by keeping more livestock, or by keeping livestock or growing crops of a more intensive type.

Table 12. Relation of Amount of Work Accomplished per Worker to

21 <u></u>		Farm Earnings	
Work units per	worker	No. of	Average operator's
Group	Average	farms	labor earnings
		Marine State of the Control of the C	
Below 215	185	40 (1)	\$3,195
215-299	254	82	4,122
300 and above	355	44	5,315
	e 6		

Farmers' earnings are generally higher on those farms on which a large amount of work is accomplished per worker. More days of productive work accomplished per worker reduces the labor charge per unit of business. Higher labor accomplishment can be secured in several ways. In the first place, the business must be large enough so that there will be at least sufficient work available for the family labor. The farm should be so organized that the labor requirements are well distributed throughout the year. Handling pastures in such a way that as large a proportion as possible of the year's feed for livestock may be obtained from them helps to reduce labor requirements. Proper planning of the farm work and economical use of labor-saving machinery help to increase the work accomplished per worker.

Table 13. Relation of Power, Machinery, Equipment and Building

	Expen	se to Farm Ea	rnings*	
Expense per wor	k unit	No. of	Average	operator's
Group	Average	farms		arnings
\$2.65 and above \$1.60-\$2.64 Below \$1.60	\$3.28 2.13 1.40	43 96 27	The serve the source of the control	\$3,830 4,340 4,381

^{*}Includes building, fencing, all crop machinery and livestock equipment, horse feed, and miscellaneous horse expense.

The expense factor does not show as high relationship with earnings when prices are high as when they are low. Some farms are under-equipped. On a few farms, excessive expenses constitute the main factor causing earnings to be very low.

Some of the cash expenses can be kept down by careful management. Oftentimes necessary repairs and improvements can be made by using the available farm labor rather than by hiring extra help. Repairs and overhauling should be done before spring work begins insofar as possible; or on rainy days or in other spare time during the summer. Reducing the number of horses to the minimum required for efficient operation of the farm helps reduce the power expense. In some cases, farmers can offset some or all of the power and machinery expense by using their equipment for outside work.

EFFECT OF WELL-BALANCED EFFICIENCY ON FARM PROFITS

It is quite evident from this report that few farmers have a monopoly on efficiency. Quite often farm operators show efficient management in one part of the farm business, which is offset by poor results in other phases. These farmers get medium returns while those who fall down all along the line get the lowest returns, and on the other hand those few who can manage to attain high efficiency in all parts of their organization receive returns well above the average. This is well illustrated in Table 14.

Table 14. Relation of Operator's Labor Earnings to the Number

		of F	Factors in which the Farmer Is Above Average	
No. of factors in which farm	No. of	Your	The length of the shaded lines operato are in proportion to the average labor	r¹s
excels	farms	farm	operator's labor earnings earning	S
None One Two Three Four Five Six Seven	4 20 24 44 33 27 11 3		xxxxxxx \$1,69 xxxxxxxxxxx 2,65 xxxxxxxxxxxx 3,35 xxxxxxxxxxxxx 3,29 xxxxxxxxxxxxxxxxx 4,99 xxxxxxxxxxxxxxxxxxxx 5,23 xxxxxxxxxxxxxxxxxxxxxx 7,32 xxxxxxxxxxxxxxxxxxxxxxxxxxx 9,25	57 53 97 91 30
			Service of the servic	to the first

The array in Table 14 indicates that it will be worth-while for each cooperator to study carefully his ranking on pages 12 and 13, 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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Measures used in chart farm on page 13 Operator's labor earnings (1) Crop yields* (2) % of tillable land in high return crops** (3) Ret. for \$100 feed to productive livestock*** (4) Productive livestock units per 100 acres****	Average of 166 farms \$4,215 100 36.5	33 most profit-able farms \$8,488 111 37.1	33 least profit-able farms \$1,381 88 34.8
Operator's labor earnings \$	\$4,215 100 36.5	\$8,488 111 37.1	\$1,3 81 88
(1) Crop yields* (2) % of tillable land in high return crops** (3) Ret. for \$100 feed to productive livestock*** (4) Productive livestock units per 100 acres****	100 36.5	111 37.1	88
(2) % of tillable land in high return crops** (3) Ret. for \$100 feed to productive livestock*** (4) Productive livestock units per 100 acres****	36.5	37.1	
(3) Ret. for \$100 feed to productive livestock*** (4) Productive livestock units per 100 acres****			34.8
(4) Productive livestock units per 100 acres****	100	105	
The state of the s			90
	24.7	33.3	19.7
(5) Size of business - work units	631	957	458
(6) Work units per worker	264	293	227
(7) Pow., mach., equip., & bldg.exp.per work unit \$	\$2.30	\$2.23	\$2.66
(3) Index of return for \$100 feed from - Dairy cattle Dual-purpose cattle Beef cattle - breeding herd	100 100 100	103 97 114	91 99 94
Dual-purpose cattle	100	97	99
2001 CRAATO DI GERTING HELD	100	1. 1. T	<i>3</i> +±
Beef cattle - feeders	100	105	81
Hogs	100	104	93
Sheep - farm flock	100	103	75
Sheep - feeders	100	109	76
Turkeys	100	98	124
Chickens	100	90	97
(5) Work units on crops	225	351	183
Work units on productive livestock	357	550	252
Other work units	49	56	23
(6) Total number of workers	2.4	3.3	2.1
Number of family workers	1.4	1.7	1.3
Number of hired workers	1.0	1.6	.8
(7) Power expense per work unit \$	\$1.34	\$1.24	\$1.59
Crop machinery expense per work unit	.41	. 41	•44
Livestock equip. expense per work unit	.13	.13	.14
Bldgs. and fencing exp. per work unit	.42	• 45	• 49

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

^{**}Crops are marked in Table 16 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.

Thermometer Chart

Using your figures from page 12 locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 166 farms included in this summary are located between the dotted lines across the center of this page.

	``							10 r - r						W ₁ = 1
	Оре	r.		******				Return	Pr.	-1.	S.	Work	Pow., m	ach.,
	Lab					Hie	gh .	from pr				units	eq., &	bldg.
	ear	n-	•	Cr	op.	ret	urr				Work	per	exp. pe	
made: Spanis op	ing	'S		<u>yi</u>	<u>eld</u>	s cro	ps	livesto	ck 100	A.	units	s worker	work un	<u>i</u> t
	\$9000			140		52.5		140	49.0		1050	420	\$1.10	1 .
	8400			135		50.5		135	46.0		1000	400	1.25	·
	.7800	- - -		130		48.5		130	43.0		950	380	1.40	
.,	7200		•	125	-	46.5		125	40.0		900	360	1.55	
*** ****	6600		٠ . •	120		44.5		120	37.0		850	340	1.70	
	6000	 	k . k	115		42.5		115	34.0		800 = 1	320	1.85	
*	5400	-	•	110		40.5		110	31.0		750	300	2.00	
·	4800	<u>-</u>		105		·· 38.5		105	28.0		700	280	2.15	
	4200			100		36.5		100	25.0 24.7		650 631	264 260	2.30	
	3600			95		34.5		95	22.0		600	240	2.45	
•	3000			90	-	32.5	1 1	90	19.0		550	\$20	2.60	
	2400			85		30.5		85	16.0		500	200	2.75	
•	1800	E		80		28.5		80	13.0		450	180	2.90	
,	1200			75	E	26.5		75	10.0		400	160	3.05	·
. 9	600			70	E	24.5	-	70	7.0		350	140	3.20	
	. 0			65		22.5		65	4.0	-	300	120	3,35	
		E		· •				5 =	<u>-</u>)) [) [

Table 16. Dist	ribut		Acre			33 most	33 least
Crop: (A) (B) (C) and (D) refer		No.	_	Your	Average	profit-	
to ranking used in calculating		growin	g	farm	of 166		
% of tillable land in High	14	this			farms	able	able
Return Crops (see page 12)	11.07.54	crop		to a cost		farms	farms
Conning many	(A)	11		(: <u>)</u>	2.5	3.7
Canning peas	, ,			***************************************	1.5	55.7	22.3
Flax	(B)	147	-		33.6		
Barley	(0)	99		-	21.0	34.1	16.6
Barley and oats	(c)	17			4.8	12.3	1.8
Winter wheat	(c)	4			.2	.2 .	. 0
Spring wheat	(D)	53	-	,	3.9	2.6	6.3
Oats	(D)	144	_	·	, 39.0	47.3	32.8
Oats and wheat	(D)	5	· · · · · · · · · · · · · · · · · · ·		.7	•4	, 1.0
Rye	(D)	11	: _		1.0	.7	1.9
Soybeans for grain	$(D)^{\circ}$	46		1	4.4	9.3	1.7
Miscellaneous	(D)	8			• 4	. 0	6
						*	
Total Small Grain and Peas	*			<u> </u>	110.5	165.1	88.7
Sugar beets, hybrid seed corn,							
potatoes and truck crops	(A)	81	ļ.		1.7	1.3	1.4
Sweet corn	(B)	10	_		1.1	1.7	1.7
Corn grain	(B)	166	-	 .	63.2	97.0	47.6
Corn silage	(c)	98			7.7	15.8	4.9
Corn fodder	(D)	57	-		2.1	3.0	3.6
OOTH TOUGHT	(1)				KO L ;		
Total cultivated crops	4		(14)	- 1	75.8	118.8	59.2
Alfalfa hay	(A)	147			17.3:	27.9	12.9
Sweet clover hay	(B)	35	: 		4.4	8.0	6.1
Soybean hay	(c)	55	-		2.2	2.5	2.9
Mixed legumes & non-legumes	(0)	38	•		3.5	2.5	2.0
Legumes for seed	(c)	6	3 -	· · · · · · · · · · · · · · · · · · ·	•5	.1	1.8
Timothy and/or brome	(D):	28	-	1 22 2	1.4	2.5	.8
Other annual hay	(D)	39			2.2	5.7	1.4
Other amust hay	(1)	. 00 :			200	1	# 8 E
Total tillable land in hay	£		4		31.5	49.2	27.9
Alfalfa mactime	(A)	49	*****		1.5	3.2	1.4
Sweet clover pasture	(B)	76			8.4	13.9	4.7
Mixture incl. alf., sweet clov., brom	1	49	-		3.9	4.1	2.4
		22	- i -	لنسسسس	2.2	2.8	.2
Other legumes and mixtures	(0)		- (-			2.3	2.7
Sudan grass and/or rape	(0)	53	- 1		2.5	, '	7
Other tillable pasture	(D)	86			8.4	11.8	8.7
		1	e de la	i i i i i i i i i i i i i i i i i i i	000	מאמ ד	20. 1
Total tillable land in pasture					26.9	37.1	20.1
Tillable land not cropped	(D)	59	<u> </u>		3.3	4.9	2.1
Total tillable land			1	1 1	248.0	375.1	198.0
					; 		
Phalaris hay (non-tillable)		3	* :		.1	.0	.2
Wild hay (non-tillable)	1	57			4.8	4.8	8.1
Non-tillable pasture	-	105	4.1		21.8	35.7	24,3
Timber (not pastured)		31			.7	. 8	1.5
Roads and waste		,	.:]		10.3	15.6	7.4
Farmstead					9.5	13.9	9.0
	***************************************		. ,,,	<u> </u>	······································	·	1
Total acres in farm		1			295.2	445.9	248.5
% land tillable	,			,	88.3	86.2	82.0
% tillable land in high return cro	ps				36.5	37.1	34.8
/	.T.	ų.	•				

Crop	Your farm	Average of 166 farms	33 most profitable farms	33 least profitable farms
Canning peas, value above seed cost	\$	\$21.06	\$30.19	\$21.92
Flax, bu.	4	12.0	12.8	10.8
Barley, bu.		29.6	33.3	24.6
Barley and oats, bu.		29.4	39.2	28.5
Winter wheat, bu.		4.2	- ·	ger
Willow Willows, Dav	******************		a ·	
Spring wheat, bu.		11.7	11.8	9.9
Oats, bu.		26.4	30.9	21.4
Oats and wheat, bu.		29.5	-	
Rye, bu.		12,4	****	
Soybeans for grain, bu.		14.4	15.6	14.2
Sweet corn, tons		3.1	3.0	2.2
Corn, grain, bu.	 	55.9	60.4	49.4
Corn silage, tons	**************************************	9.5	9.5	9.5
Corn fodder, tons		3.3	3 . 7 .	2.5
ooin router, cons				
Alfalfa hay, tons		2.0	2.0	2,1
Sweet clover hay, tons		1.2	1.5	1.1
Soybean hay, tons	<u></u>	1.6	1.8	1.5
Mixed legume & non-legume hay, tons		1.8	2.5	1.4
Legumes for seed, lbs.		208		ulan AE aba
negumes for seed, tos.				,
Fimothy and/or brome hay, tons		1.2	1.4	. 9.
Other annual hay, tons	The state of the s	1.5	1.4	1.6
Phalaris hay on non-tillable land, tons		. 9		.8
rialatio hay on non-villant rance family volls		0 √		. • •

• A series of the series of

Table 18. Factors of Cost and Returns from Dairy Cows, 1941 14 farms 14 farms Your Average highest in lowest in of 70 farm butterfat butterfat farms per cow per cow Items 332 163 254 Pounds of butterfat per cow Feeds per cow, lbs.: 815 Corn 998 1,077 1,111 Small grain 1,380 1,807 Com. feeds - under 25% protein 71 6 63 198 69 Com. feeds - over 25% protein 102 2,703 Legume hay 3,274 3,548 1.76 641 Other hay 364 207 176 Fodder and stover 365 2.001 . 2,543 3,153 Total concentrates Total dry roughages 4,003 3,931 3,520 6,727 5,229 5,502 Silage 4,219 5,518 5,039 Total digestible nutrients* 16.6 27.6 T.D.N. per lb. B.F. 20.2 % T.D.N. that is protein 14.0 14.5 13.4 Feed cost per cow: \$32.12 \$19.03 \$24.87 Concentrates 19.29 Roughages 21.98 23.99 6.26 6.14 6.20 Pasture \$62.25 \$44.52 TOTAL FEED COSTS \$53.11 Value of produce per cow: \$48.46 B.F. sales \$85.82 \$116.42 6,98 6.08 8.32 Dairy produce used in house 12.97 9.66 12.49 Milk to livestock -.10 4.23 13.88 Net increases in value of cows TOTAL VALUE PRODUCED \$110.00 \$149.87 \$6€.3**4** \$56.89 \$86.62 \$21.82 RETURNS ABOVE FEED COST PER COW \$167 \$234 RETURNS FOR \$100 OF FEED \$210 Price received per 1b. B.F. sold 37.3 36.9 As manufacturing cream (cents) 36.8 As mkt. mk. & cm. & mk. for cheese(cts.)_ 49.4 49.7 Feed cost per 1b. B.F. (cents) 22.0 18.7 29.3 34.0 % fall freshening 48.0 45.0 Number of dairy cows** 13.8 17.7 14.3

^{*}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.

			Your farm	Average of 66 farms*	Cattle, 1941 14 farms highest in butterfat	13 farms lowest in butterfat
Items	, , , , , , , , , , , , , , , , , , ,				per cow	per cow*
Toods now bond The		•	. 1			
Teeds per head, lbs.: Concentrates				733	762	862
Hay and fodder		·	* *************************************	1,248	1,300	1,023
Silage	•			1,578	2,153	1,660
Whole milk	4			524	369	558
Skim milk		* *	**************************************	1,346	1,118	1,617
OKIM MIIK				_ 1,010		, , , , , ,
Feed cost per head:						1 -
Concentrates	١.		\$	\$ 6.98	\$ 7.55	\$ 7.89
Roughages		* e	Ч	6.54	7.73	5.27
Milk		ě		10.06	7.29	11,22
Pasture		1.04	And the second s	2.03	1.75	2.29
TOTAL FEED COSTS			¢	\$25.61	\$24.32	\$26.67
TOTAL FEED COSTS			Ψ	_ φευ•ΟΙ	ψω±• Οω	φωσοσι
Net inc. in value of oth	er dairy	cattle	\$	\$45.59	\$39.00	\$49.05
RETURNS ABOVE FEED COST	PER HEAD		\$	\$19.98	\$14.68	\$22.38
RETURNS FOR \$100 OF FEED	•	*	. \$	\$185	\$162	\$183
S	1	. 4. 7		15.0	20.0	15.1
Number of head of other Table 20.				om All Dai	ry Cattle	
			eturns fro Your farm	om All Dai Average of 70	ry Cattle 14 farms highest in	14 farms lowest in
. Table 20.			Your	om All Dai Average of 70	ry Cattle	14 farms lowest in
Table 20.			Your	om All Dai Average of 70	ry Cattle 14 farms highest in butterfat	14 farms lowest in
Table 20.	Feed Cos		Your	om All Dai Average of 70	ry Cattle 14 farms highest in butterfat	14 farms lowest in butterfa per cow
Table 20. Items Feeds per animal unit, 1	Feed Cos		Your	om All Dai Average of 70 farms	ry Cattle 14 farms highest in butterfat per cow	14 farms lowest in butterfa per cow
Table 20. Items Feeds per animal unit, 1 Concentrates	Feed Cos		Your	om All Dai Average of 70	ry Cattle 14 farms highest in butterfat per cow	14 farms lowest in butterfa per cow
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder	Feed Cos		Your	om All Dai Average of 70 farms:	ry Cattle 14 farms highest in butterfat per cow 2,532	14 farms lowest i butterfa per cow 1,853 2,973
Table 20. Items Feeds per animal unit, 1 Concentrates	Feed Cos		Your	om All Dai Average of 70 farms 2,139 3,401	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842	14 farms lowest is butterfa per cow 1,853 2,973 4,629
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage	Feed Cos		Your	om All Dai Average of 70 farms 2,139 3,401	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259	14 farms lowest in butterfa per cow 1,853 2,973 4,629
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage	Feed Cos		Your	om All Dai Average of 70 farms 2,139 3,401	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842	14 farms lowest in butterfar per cow 1,853 2,973 4,629
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates	Feed Cos		Your farm	om All Dai Average of 70 farms 2,139 3,401 4,647	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842	14 farms lowest i butterfa per cow 1,853 2,973 4,629
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages	Feed Cos		Your farm	2,139 3,401 4,647	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10	14 farms lowest in butterfa per cow 1,853 2,973 4,629
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates	Feed Cos		Your farm	2,139 3,401 4,647	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61	14 farms lowest i butterfa per cow 1,853 2,973 4,629 \$17.49 16.18 5.51
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages Pasture TOTAL FEED COSTS	Feèd Cos	sts and Re	Your farm	2,139 3,401 4,647 \$20.81 18.49 5.44 \$44.74	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10 5.10 \$50.81	14 farms lowest i butterfa per cow 1,853 2,973 4,629 \$17.49 16.18 5.51 \$39.18
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages Pasture TOTAL FEED COSTS	Feèd Cos	sts and Re	Your farm	om All Dai Average of 70 farms 2,139 3,401 4,647 \$20.81 18.49 5.44	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10 5.10	14 farms lowest i butterfa per cow 1,853 2,973 4,629 \$17.49 16.18 5.51 \$39.18
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per ani	Feed Cos bs.: t:	sts and Re	Your farm	2,139 3,401 4,647 \$20.81 18.49 5.44 \$44.74	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10 5.10 \$50.81	14 farms lowest i: butterfa per cow 1,853 2,973 4,629 \$17.49 16.18 5.51 \$39.18
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per ani Dairy products	Feed Cos bs.: t: mal unit:	sts and Re	Your farm	2,139 3,401 4,647 \$20.81 18.49 5.44 \$44.74	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10 5.10 \$50.81	14 farms lowest i butterfa per cow 1,853 2,973 4,629 \$17.49 16.18 5.51 \$39.18
Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per ani Dairy products Net increase in value	Feed Cos bs.: t: of dairy ED	ts and Re	Your farm	2,139 3,401 4,647 \$20.81 18.49 5.44 \$44.74	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10	14 farms lowest in butterfa- per cow 1,853 2,973 4,629 \$17.49 16.18 _5.51 \$39.18
Table 20. Items Feeds per animal unit, 1 Concentrates Hay and fodder Silage Feed cost per animal uni Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per ani Dairy products Net increase in value TOTAL VALUE PRODUC	Feed Cos bs.: t: cof dairy ED	ts and Re	Your farm	2,139 3,401 4,647 \$20.81 18.49 5.44 \$44.74	ry Cattle 14 farms highest in butterfat per cow 2,532 3,259 5,842 \$25.61 20.10 5.10 \$50.81 \$81.05 32.86 \$113.91 \$63.10	14 farms lowest in butterfat per cow 1,853 2,973 4,629 \$17.49 16.18

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

District of and one of the Factors of Cost and Returns from Dual-Purpose Cows, 1941 ll farms ll farms Your Average of 53 highest in lowest in farm butterfat butterfat farms per cow Items 255 128 190 Pounds of butterfat per cow A Charles Barrell Feeds per cow, lbs.: 841 1.207 552 Corn Small grain 1.125 1,491 1,010 2 1 5 Com. feeds - under 25% protein - 8 32 76 Com. feeds - over 25% protein Legume hay 3,008 temper 2,424 2,996 4. Other hay 394 770 494 × 🛒 58 483 Fodder and stover Marian g ⊈ ass 2,776 1,580 Total concentrates 2.006 Total dry roughages 3,973 3,732 3,252 Silage 3,548 5,261 4,152 Total digestible nutrients* 4,106 4,859 3,507 28.0 19.2 T.D.N. per lb. B.F. 22.4 % T.D.N. that is protein 14.0 13.7 13.3 Feed cost per cow: \$18.95 \$26.61 \$15.15 Concentrates 17.49 20.56 Roughages 19.03 Pasture TOTAL FEED COSTS 6.62 <u>6.21</u> , 6,83 \$53.79 Value of produce per cow: B.F. sales \$53.39 \$75.82 \$31.90 11.38 Dairy produce used in house 10.09 10.97 Milk to livestock 17.05 13.41 8.63 6.43 5.14 7.56 Net increases in value of cows TOTAL VALUE PRODUCED \$83.32 \$109.39 RETURNS ABOVE FEED COST PER COW \$39.13 \$55.60 17 Late Jan Land RETURNS FOR \$100 OF FEED . \$211 \$196 \$163 Price received per lb. B.F. sold As manufacturing cream (cents) 36.2 177 1 36.9 Feed cost per 1b. B.F. (cents) 21.2 % fall freshening 46.0 53.0 . . Number of dual-purpose cows 9.9

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^{*}Not including nutrients received from pasture.

Table 22. Feed Costs and		Your farm	Average of 47 farms*	9 farms highest in returns above feed	9 farms lowest in returns
	the state of the s	Schools seems the article of contract contracts		* st	i san ka
Feeds per head, lbs.:			76 <u>4</u>	640	- 840
Concentrates	# p 14 -	whereaster product or section will be a great or the section of the great or the section of the	1,235	798	1,568
Hay and fodder		qualification described by Attractions	1,200	804	1,001
Silage	* *	Employ Annual Colores Common March Colores Colores	383	644	
Whole milk		and the second s	1,196	1,722	1,013
Skim milk			1,190	1, 122	2,010
Feed cost per head:				•	
Concentrates		\$	\$7.32	\$6.05	\$7.86
Roughages			5.66	3.94 ₇₇	6.32
Milk			7.80	12.47	9.45
Pasture	* * * * * * * * * * * * * * * * * * *		2.33	1.73	2.25
TOTAL FEED COSTS		\$	\$23.11	\$24.19	\$ 25.88
			,		
Net increase in value		\$	\$43.28	\$61.72	\$27.80
RETURNS ABOVE FEED COST PER HEAD	the second of	\$	\$20.17	\$37.53	\$1.92
RETURNS FOR \$100 OF FEED		\$	\$200	\$287	\$106
			1 1		
				77 1	
No. of head of other dual-purpos Table 23. Feed Costs	inner reterrity and the second se	ırns from		11.4 urpose Cattle	15.3
Table 23. Feed Costs	inner reterrity and the second se	ırns from	All Dual-P	urpose Cattle 11 farms highest in returns	ll farms lowest in returns
	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53	urpose Cattle 11 farms highest in	ll farms lowest in returns
Table 23. Feed Costs	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53	urpose Cattle 11 farms highest in returns	ll farms lowest in returns
Table 23. Feed Costs Items Feeds per animal unit, lbs.:	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms	urpose Cattle 11 farms highest in returns above feed	11 farms lowest in returns above feed
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms	urpose Cattle 11 farms highest in returns	ll farms lowest in returns
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms	urpose Cattle 11 farms highest in returns above feed 1,948 3,290	11 farms lowest in returns above feed 1,879 4,199
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms	urpose Cattle 11 farms highest in returns above feed	11 farms lowest in returns above feed
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms	urpose Cattle 11 farms highest in returns above feed 1,948 3,290	11 farms lowest in returns above feed 1,879 4,199
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit:	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms	urpose Cattle 11 farms highest in returns above feed 1,948 3,290	11 farms lowest in returns above feed 1,879 4,199
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110	ll farms lowest in returns above feed 1,879 4,199 2,256
Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates	inner reterrity and the second se	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83 5.53 \$39,73	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5,52	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83 5.53	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per animal unit	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5.52 \$38.21	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83 5.53 \$39.73	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57 5.52 \$40.98
Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per animal unit Dairy products	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5.52 \$38.21 \$42.86	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83 5.53 \$39.73	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57 5.52 \$40.98
Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per animal unit Dairy products Net increase in value	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5.52 \$38.21 \$42.86 33.97	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57 5.52 \$40.98
Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per animal unit Dairy products	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5.52 \$38.21 \$42.86 33.97 \$76.83	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83 5.53 \$39.73	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57 5.52 \$40.98
Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per animal unit Dairy products Net increase in value	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5.52 \$38.21 \$42.86 33.97	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57 5.52 \$40.98
Table 23. Feed Costs Items Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage Feed cost per animal unit: Concentrates Roughages Pasture TOTAL FEED COSTS Value of produce per animal unit Dairy products Net increase in value TOTAL VALUE PRODUCED	and Retu	ırns from Your	All Dual-P Average of 53 farms 1,801 3,322 2,901 \$17.08 15.61 5.52 \$38.21 \$42.86 33.97 \$76.83	urpose Cattle 11 farms highest in returns above feed 1,948 3,290 3,110 \$18.37 15.83 5.53 \$39.73 \$52.41 48.63 \$101.04	11 farms lowest in returns above feed 1,879 4,199 2,256 \$17.89 17.57 5.52 \$40.98 \$31.02 25.16 \$56.18

^{*}Several farmers having both a dual-purpose and a beef herd used a beef bull and included all the young stock in the beef herd.

Table 24. Feed Costs and Re Items		Average of all farms	Farms	Farms lowest in returns above feed
Beef breeding herd: no. of farms:	tal especial of the general servicular abundajo ligino didigo.	······································	······································	3£10
Feeds per animal unit, lbs.:	· · · · · · · · · · · · · · · · · · ·		_	
Concentrates		1,425		1,501
Legume hay		1,987		2,367
Other hay Fodder and stover		398	332	
Fodder and stover Silage	***************************************	453 2,885	659 2 720	3,344
Skim milk*		2,003 58	1.34	ibm mai 85
Whole milk*	ν .	13	26	9
Feed cost per animal unit:	-		A B C Avis I copy	i dead food i
Concentrates	\$	\$13.40	\$15.91	\$13.93
Roughages	****	13.29		14.74
Milk* Co.s		.28	•63	28. Millin
Pasture Council	A	6.60		\$35.92
TOTAL FEED COSTS	\$	\$33.57	\$34.93	್ಕಾರಾ ಕಿಂದ್ರ
Value of produce per animal unit:			SHARY THE THE	
Na. Dairy products	\$	\$ 8.71	\$11.43	\$ 5.15
Net increase in value of animals	ф <u></u>	49.92	81.12	
TOTAL VALUE PRODUCED	ф	_ \$58.63	\$92.55	\$32.14
RETURNS ABOVE FEED COST PER ANIMAL UNIT	\$	\$25.06	\$57.62	\$-3.78
RETURNS FOR \$100 OF FEED	ా డ్ ికివర్ నిర	- \$ 1 83 -	5 40 do \$272 5	akt \$93
The state of the s	τ	-		and the second s
Number of cows and herd bulls Number of animal units in the herd	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1		23.5
Number of cows and herd bulls Number of animal units in the herd	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1		23.5
	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1		
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.:	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5	. 33.7 16	23.5
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659	23.7 16 541	23.5 16 872
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119	23.7 16 541 49	23.5 16 872 172
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119	23.7 16 541 49 7	23.5 16 872 172 13
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119	23.7 16 541 49 7	23.5 16 872 172 13 29 29
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 37 25 182	23.7 16 541 49 7 20	23.5 16 872 172 13 29 228 228
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119	23.7 16 541 49 7 20	23.5 16 872 172 13 29 29
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56	23.7 16 541 49 7 20 131 69 25	23.5 16 872 172 13 13 29 228 62 25
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810	23.7 16 541 49 20 131 69 25	23.5 16 872 172 13 29 228 62 25 1086
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286	23.7 16 541 49 20 131 69 25 617 225	23.5 16 872 172 13 13 13 13 13 13 13 13 13 13
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286 325	23.7 16 541 49 20 131 69 25 617 225 341	23.5 16 872 172 13 29 228 62 25 \$\$20 1,086 50060 315 5050000 535
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced:	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286 325	25.7 16 541 49 7 20 131 69 25 617 225 341	23.5 16 872 172 13 29 28 62 25 25 25 26 26 26 25 25 26 26 26 26 26 27 26 26 26 27 27 28 28 28 28 25 25 25 26 26 27 27 28 28 28 28 25 25 25 25 26 27 27 28 28 28 25 25 25 26 27 27 28 28 28 28 25 25 25 26 27 27 28 28 28 25 25 25 25 26 27 27 28 28 28 25 25 25 26 27 27 28 28 28 28 25 25 25 26 27 27 28 28 28 28 25 25 25 26 27 27 28 28 28 28 25 25 25 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286 325	23.7 16 541 49 7 20 131 69 25 617 225 341 \$ 5.88	23.5 16 872 172 13 29 28 62 25 25 25 26 26 27 27 28 62 25 25 25 26 27 27 28 62 25 25 25 26 27 27 28 28 62 25 25 27 27 28 28 62 25 25 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63	25.7 16 541 49 20 131 69 25 617 225 341 \$ 5.88 1.13	23.5 16 872 172 13 29 228 62 25 25 25 25 25 25 25 27 28 25 27 28 27 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24	25.7 16 541 49 20 131 69 25 617 225 341 \$ 5.88 1.13	23.5 16 872 172 13 29 228 62 25 25 26 25 27 26 27 27 28 27 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS	n de en de l'agencies despèsants des la capacita. L'agencies de l'Agencies d	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24	23.7 16 541 49 20 131 69 25 617 225 341 \$ 5.88 1.13 .35 35	23.5 16 872 172 13 29 228 62 25 25 26 25 27 26 27 27 28 28 27 28 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture	\$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24 \$ 9.21 \$13.20	23.7 16 541 49 20 131 69 25 617 225 341 \$ 5.88 1.13 \$ 7.36 \$ 15.20	23.5 16 872 172 183 183 183 183 183 183 183 18
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS	\$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24 \$ 9.21 \$13.20	23.7 16 541 49 20 131 69 25 617 225 341 \$ 5.88 1.13 \$ 7.36 \$ 15.20	23.5 16 872 172 183 183 183 183 183 183 183 18
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS Net increase in value of feeders	\$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24 \$ 9.21 \$ 13.20 \$ 3.99	23.7 16 541 49 20 131 69 25 617 225 341 \$ 5.88 1.13 .35 35	23.5 16 872 172 13 29 228 62 25 200 1,086 200 315 25 25 25 200 1,086 200
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS Net increase in value of feeders RETURNS ABOVE FEED COST PER CWT. BEEF PROD.	\$ \$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24 \$ 9.21 \$ 13.20 \$ 3.99 \$153	23.7 16 541 49 7 20 131 69 25 617 225 341 \$ 5.88 1.13 \$ 5.88 1.13 \$ 7.36 \$ 7.84	23.5 16 872 172 13 29 228 62 25 460 1,086 6315 535 461 17 60 1,72 112 \$11.68 68 68 68 68 68 68 68 68 68 68 68 68 6
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS Net increase in value of feeders RETURNS ABOVE FEED COST PER CWT. BEEF PROD. RETURNS FOR \$100 OF FEED Price received per 100 lbs. beef sold Price received per 100 lbs. bought in 1941	\$ \$ \$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24 \$ 9.21 \$13.20 \$ 9.21 \$13.20 \$ 153 \$10.13	23.7 16 541 49 7 20 131 69 25 617 225 341 \$ 5.88 1.13 .35 \$ 7.36 \$ \$15.20 \$ 7.84 \$ \$217 \$ \$10.23 9.46	23.5 16 872 172 13 29 228 62 25 1000 1,086 315 535 2010 17 2010 17 2010 17 2010 11 \$11.68 \$9.66 2074
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS Net increase in value of feeders RETURNS ABOVE FEED COST PER CWT. BEEF PROD. RETURNS FOR \$100 OF FEED Price received per 100 lbs. beef sold Price received per 100 lbs. bought in 1941	\$ \$ \$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 .24 \$ 9.21 \$13.20 \$ 9.21 \$13.20 \$ 153 \$10.13	23.7 16 541 49 7 20 131 69 25 617 225 341 \$ 5.88 1.13 .35 \$ 7.36 \$ \$15.20 \$ 7.84 \$ \$217 \$ \$10.23 9.46	23.5 16 872 172 13 29 228 62 25 1000 1,086 315 535 2010 17 2010 17 2010 17 2010 11 \$11.68 \$9.66 2074
Number of animal units in the herd Feeder cattle: no. of farms: Feeds per cwt. beef produced, lbs.: Corn Small grain Com. feeds - under 25% protein Com. feeds - over 25% protein Legume hay Other hay Fodder and stover Total concentrates Total dry roughages Silage Feed cost per cwt. beef produced: Concentrates Roughages Pasture TOTAL FEED COSTS Net increase in value of feeders RETURNS ABOVE FEED COST PER CWT. BEEF PROD. RETURNS FOR \$100 OF FEED Price received per 100 lbs. beef sold	\$ \$ \$ \$	17.1 28.5 80 659 119 25 182 48 56 810 286 325 \$ 7.63 1.34 24 \$ 9.21 \$13.20 \$ 3.99 \$153 \$10.13 9.82 42.7	23.7 16 541 49 7 20 131 69 25 617 225 341 \$ 5.88 1.13 .35 .7.36 \$15.20 \$ 7.84 \$ \$217 \$10.23 9.46 26.3 15,258	23.5 16 872 172 13 29 228 62 25 1086 315 535 40.17 10.17 10.17 10.172 11.68 10.17 10.18 \$11.68 10.18 \$10.01 \$11.68

Items	Table 25.	Feed Costs and	Returns f Your farm	Average of all farms	1941 Farms highest in returns above feed	returns
Farm flock: No.	of farms:			60	12	12
Feeds per head,* Concentrates Legume hay Other hay Fodder and sto	lbs.:			92 169 32 39 104	110 146 12 0 74	75 203 27 51 62
Feed cost per hea Concentrates Roughages Pasture TOTAL FEED	;		\$\$	\$.85 .95 .96 \$ 2.76	\$.99 .76 .93 \$ 2.68	\$.68 1.02 .94 \$ 2.64
Value of produce Wool Net increase i TOTAL VALUE	n value of	sheep	\$	\$ 2.69 6.03 \$ 8.72	\$ 2.56 10.64 \$13.20	\$ 3.17 .68 \$ 3.85
RETURNS ABOVE FEE	ED COST PER	HEAD	\$	\$ 5.96	\$10.52	\$ 1.21
RETURNS FOR \$100	OF FEED		\$	\$340	\$563	\$1.58
Price per 100 lbs Price per 1b. woo Pounds of wool pe Number of ewes ke % lamb crop % death loss No. of head of sh	ol sold (ct er sheep sh ept for lam	s.). eared bing	\$	\$10.35 38.2 8.9 32.0 110.0 17.3	\$10.24 38.4 9.0 21.0 112.0 15.2 31.4	\$ 9.61 38.1 8.5 31.0 86.0 19.6
NO. OI HEAR OI SI	reeb /rerm	++2011/				
Feeder sheep: No Feeds per cwt. sh Concentrates Legume hay Other hay Fodder and sto Silage	neep produc			23 665 201 25 110 404	8 566 125 9 28 378	8 830 264 26 221 727
Feed cost per hes Concentrates Roughages Pasture TOTAL FEED	er e	of the first of the first of the desired by the first of	\$\$	\$ 6.30 1.55 \$ 8.38	\$ 5.30 1.06 <u>.30</u> \$ 6.66	\$ 8.13 2.38 .64 \$11.15
Net increase in	value of sh	eep	\$	_ \$16.39	\$20.01	\$13.92
RETURNS ABOVE FE	ED COST PER	CWT. PRODUCED	\$	\$ 8.01	\$13.35	\$ 2.77
RETURNS FOR \$100	OF FEED	10 miles	\$	\$225	\$316	\$139
Price per cwt. s. Price per cwt. f % death loss Pounds of sheep	or sheep bo	ought in 1941	\$	\$10.08 10.43 2.8 16,487	\$10.22 10.24 2.2 6,630	\$10.11 10.72 2.7 10,726

^{*}Two lambs under 6 months of age considered as one head.

and the second s	Table 26. Feed Co		our	Average	32 farms	32 farms
· · · · · · · · · · · · · · · · · · ·		f	arm	of 159		
./				farms	return	return
tems			4 - 1 		above feed	above feed
				i appet to	Bar March Carella	
'eed per cwt. ho	gs produced, lbs.:				0.07	# 4 5
Corn				367	261	542
Small grain				134	102	232
Com. feeds -	under 25% protein	· · · · · · · · · · · · · · · · · · ·		3	3	4
Com. feeds -	over 25% protein			15	14	18
Total concent	mo t oc			519	380	796
Skim milk and		· · · · · · · · · · · · · · · · · · ·		114	102	165
DKIM MIIK AM	. Dut termine	******	,,			A Charles
eed cost per cw	t. hogs produced:	Y ** Y *				10 Pet 1
Concentrates		\$		\$ 5.14	\$ 3.86	\$ 7.71
	buttermilk			.20	.18	.30
Pasture	· ·			.21	<u>. 20</u>	. 29
TOTAL FEEL	COSTS	\$		\$ 5.55	\$ 4.24	,\$ 8.30
Net incr. in val	ue per cwt. hogs pr	od. \$		\$10.70	\$11.80	\$10.29
RET. ABOVE FEED	COST PER CWT. HOGS	PROD.S		\$ 5.15	\$ 7.56	\$ 1.99
returns for \$100	OF FEED	\$	·	\$214	\$291	\$150
Price received p	per cwt. hogs sold	\$		\$ 9.07	\$10.04	\$ 8.71
noted we had let	ters raised	;		18.1	16.0	16.9
Total no. of it. No. of pigs wear					6.5	
					25.0	36.0
% of two-litter	=		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	28,740	26,873	
Pounds of hogs	produced	•		_ 200 ; 1 750.	20,010	

The extent to which proper sanitation methods are followed is one of the important reasons for variations among farmers in the returns secured from hogs. (Table 27) Raising young pigs on clean ground away from the old hog lots is one of the important elements in a program of hog sanitation. The farmers who raised their young pigs on ground at least during a large portion of the growing period, away from the old hog lots, produced hogs with less feed and received a higher return than those farmers who allowed the young pigs access to the old hog lots.

	N	o. f	Return over	Lbs. con- centrates per 100#	Lbs. skim milk	Pigs weaned per litter	No. litters raised	
Pigs raised of ground away	from	,		**************************************				17 T
old lots du most or all growing per	of the	90	\$5 . 55	480	105	6.5	20	31,410
Pigs not rais		61	4.60	592	121	6.4	18	26,418

Table 28.	Feed Costs	and	Ret	irns fr	om Chicker	ıs, 1941	
5.50				Your			29 farms
		Ť		farm	of 143	highest in	lowest in
	. *	•			farms	return	return
Items						over feed	over feed
Feed per hen, lbs.:	1 1 4 1 1 1 1 1 1 1			W yr			
Grain	e general de la companya de la comp			<u> </u>	97	113	94
Commercial feeds	· ·		e		<u> 19</u>	_28	<u>15</u>
Total concentrates					116	141	109
Skim milk and buttermilk					23	27	13
	,						
Feed cost per hen:						4	42 70
Concentrates			\$, 	\$1.46	\$1.87	\$1.30
Skim milk	5 1 4		,		.04	<u>.05</u>	.02
TOTAL FEED COST	•	*	\$, , , , , , , , , , , , , , , , , , ,	\$1.50	\$1.92	\$1.32
** 7					in		· ·
Value of produce per hen:			. ф		\$2.04	\$2.65	\$1.33
Eggs sold and used in hor			Φ			1.80	.25
Net increase in value of TOTAL VALUE PRODUCED	cnickens		<u>.</u> —		\$2.85	\$4.45	\$1.58
TOTAL VALUE PRODUCED			φ		_ φε•Ο <i>Ο</i>	かぶっせつ	φ± • ΟΟ
RETURNS ABOVE FEED COST PER	HEIM		ф		\$1.35	\$2.53	\$26
TURE OTHER PROPERTY INTO	1 min		; Ψ	annes que procesa a como de l'annes de del	_ φ±εου		
RETURNS FOR \$100 OF FEED			\$		\$199	\$252	\$1.20
Price rec'd per doz. eggs s	old		Y	**************************************	20.8	21.4	19.9
Eggs laid per hen			-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	117	148 -	80
No. of hens				, 4	199	1.79	221
% of hens that are pullets		•			70	50	72

Farmers who raise their chicks on clean ground and away from the old hens receive greater returns from their poultry than those who raise their chicks on the same ground year after year (Table 29). Farmsteads and old poultry lots very soon become infested with diseases and parasites which the young chicks are unable to withstand.

Table 29.	Sanitation	in	Raising C No. of farms	hicks and Retu Return over feed per hen	rn from Poul Réturn for \$100 of feed	try Average no. of hens
sed on clean raised on c			78 55	\$1.55 1.16	\$203 197	210 179

The number of times hens are culled is an important factor affecting the return secured from poultry (Table 30). Culling out the poor layers saves feed and leaves more room for the good producers.

. •	Table 30.	Number of Cullin	ngs and Returns f	rom Poultry	
Number of cullings		4	Return over feed per hen	Eggs per hen	No. of hens
None or one Two or three Four or more	ing the second of the second o	9 5 5 3 80 5 5 6 5	\$.97 1.43 ,1.60	97 123 125	177 205 210

Table 31. Feed Costs and Returns Your farm Items	Average of 10 farms		returns
Feed per cwt. turkeys produced, lbs.:		And the second	
Grain	295	313	277
Com. feeds - under 25% protein Com. feeds - over 25% protein	_ 51 _ 145	40 95	62 195
Total concentrates	491	448	534
Skim milk	1	3	0
Feed cost per cwt. turkeys produced \$	_ \$8.26	\$6.95	\$9.57
Value of produce per cwt. turkeys prod.		* * * * * * * * * * * * * * * * * * *	
Eggs and poults \$	\$ 0	\$ 0	\$ 0
Net increases in turkeys	17.89	19.00	<u>16.78</u>
TOTAL VALUE PRODUCED \$	\$17.89	\$19.00	\$16.78
RETURNS ABOVE FEED COST PER CWT.		4 1 1 1 1 1 1 1 1 1 1 1	
TURKEYS PRODUCED \$	_ \$9,63	\$12.05	\$7.21
RETURNS FOR \$100 OF FEED \$	\$232	\$288	\$177
Price rec'd per lb. turkey sold (cts.)	18.4	17.1	19.6
200 100 as por 200 as		± F • ± ·	±3,•0
	22,455	6,601	38,309
Pounds of turkeys produced	22,455	6,601	38,309
	22,455	6,601	38,309 e, 1941 33 least
Pounds of turkeys produced Table 32. Feed Costs for Horses and Misc. Power	22,455 r and Mach	6,601 inery Expens 31 most profit-	38,309 e, 1941 33 least profit-
Pounds of turkeys produced Table 32. Feed Costs for Horses and Misc. Power Your farm	22,455 r and Mach Average of 160	6,601 inery Expens 31 most profit- able	38,309 e, 1941 33 least profit- able
Pounds of turkeys produced Table 32. Feed Costs for Horses and Misc. Power Your farm	22,455 r and Mach Average of 160	6,601 inery Expens 31 most profit-	38,309 e, 1941 33 least profit-
Pounds of turkeys produced Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse,** lbs.:	22,455 r and Mach Average of 160 farms*	6,601 inery Expens 31 most profit- able farms*	38,309 e, 1941 33 least profit- able farms
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain	22,455 r and Mach Average of 160 farms*	6,601 inery Expens 31 most profit- able farms*	38,309 e, 1941 33 least profit- able farms 1,965
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay	22,455 r and Mach Average of 160 farms*	6,601 inery Expens 31 most profit- able farms* 2,311 2,965	38,309 e, 1941 33 least profitable farms
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain	22,455 r and Mach Average of 160 farms*	6,601 inery Expens 31 most profit- able farms*	38,309 e, 1941 33 least profit-able farms 1,965 2,445
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay Fodder and stover	22,455 r and Mach Average of 160 farms*	inery Expens 31 most profit— able farms* 2,311 2,965 101	38,309 e, 1941 33 least profitable farms 1,965 2,445
Table 32. Feed Costs for Horses and Misc. Power Your farm. tems Teed per horse, ** lbs.: Grain Hay Fodder and stover	22,455 r and Mach Average of 160 farms* 1,989 2,621 202	6,601 inery Expens 31 most profit— able farms* 2,311 2,965 101 \$22.65	38,309 e, 1941 33 least profit-able farms 1,965 2,445 407
Table 32. Feed Costs for Horses and Misc. Power Your farm tems Teed per horse, ** lbs.: Grain Hay Fodder and stover Feed costs per horse:	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53	6,601 inery Expens 31 most profit- able farms* 2,311 2,965 101 \$22.65 9.49	38,309 e, 1941 33 least profit-able farms 1,965 2,445 407 \$18.74 7.89
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay Fodder and stover Feed costs per horse: Grain Feed costs per horse:	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53 4.15	6,601 inery Expens 31 most profit- able farms* 2,311 2,965 101 \$22.65 9.49 3.94	38,309 e, 1941 33 least profitable farms 1,965 2,445 407
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay Fodder and stover Feed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS \$	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53 4.15	6,601 inery Expens 31 most profit— able farms* 2,311 2,965 101 \$22.65 9.49 3.94 \$36.08	38,309 e, 1941 33 least profit-able farms 1,965 2,445 407 \$18.74 7.89 4.32 \$30.95
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay Fodder and stover Feed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS \$	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53 4.15 \$31.80	6,601 inery Expens 31 most profit— able farms* 2,311 2,965 101 \$22.65 9.49 3.94 \$36.08	38,309 e, 1941 33 least profit-able farms 1,965 2,445 407 \$18.74 7.89 4.32 \$30.95
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay Fodder and stover Feed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS \$ Sumber of work horses	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53 4.15 \$31.80	6,601 inery Expens 31 most profit— able farms* 2,311 2,965 101 \$22.65 9.49 3.94 \$36.08	38,309 e, 1941 33 least profitable farms 1,965 2,445 407 \$18.74 7.89 4.32 \$30.95
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** lbs.: Grain Hay Fodder and stover Feed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS Number of work horses Number of colts	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53 4.15 \$31.80 .4.2 1.0	6,601 inery Expens 31 most profit- able farms* 2,311 2,965 101 \$22.65 9.49 3.94 \$36.08	38,309 e, 1941 33 least profit-able farms 1,965 2,445 407 \$18.74 7.89 4.32 \$30.95 4.2 .7
Table 32. Feed Costs for Horses and Misc. Power Your farm Items Feed per horse, ** 1bs.: Grain Hay Fodder and stover Feed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS \$	22,455 r and Mach Average of 160 farms* 1,989 2,621 202 \$19.12 8.53 4.15 \$31.80 4.2 1.0	6,601 inery Expens 31 most profit— able farms* 2,311 2,965 101 \$22.65 9.49 3.94 \$36.08	38,309 e, 1941 33 least profitable farms 1,965 2,445 407 \$18.74 7.89 4.32 \$30.95 4.2 .7

^{*}Six farms did not have horses. The number of horses, crop acres and expenses per crop acres are averages of 166 farms.

**Two colts equal one horse.

Table 3	33. Fami	ly Living	g from	the Farm,	1941	-	
Your	Average	33 most	33 leas	st Your	Average		33 least
farm	of 166	profit-	profit-	farm	of 166	profit-	profit-
	farms	able	able	1	farms	able "	able
Items	**	farms	farms	1		farms	farms
No. of persons (Family	3.5	4.0	3.2			5	:
adult equiv. (Other*	.7	1.3	.5	r		t taken in jar	
Whole milk	1168 qts.	1700	878	\$	\$38.40	\$56.29	\$27,69
Skim milk	432 qts.		318	,	1.64	2.63	1.23
Cream	288 pts		256		31.20	38.79	27.65
Farm made butter	14 Îbs		8.		4.80	10.07	2.99
Eggs	186 doz	. 241	144		35.76	45.47	28.16
Cattle	445 lbs		329		39.33	75.47	29.07
Hogs	555 lbs	Annual Control of the	402		47.43	66.41	33.00
Sheep	17 lbs	C	31	4-4-4	1.11	.85	2.10
Poultry	108 lbs	The second secon	108		13.64	15.50	13.97
Potatoes	16 bu.	22	14		10.71	13.93	9.07
Vegetables & fruits					41.95	53.70	28.13
Farm fuel	43 14	•==	·	. *************************************	20.92	19.08	24.88
Rental value of house	* . A	17			251.31	303.60	217.21
			•		*		
Total				\$	\$538.20	\$701.79	\$445.15

Household and Personal Expenses for Table 34. Those Farms Which Kept Complete Accounts of These Expenses, 1941 Average 25 most 25 least Your profitof 127 profitfarm able able farms farms farms Number of persons 5.1 4.0 4.5 Number of persons, (Family 3.6 4.0 3.1 . 7. .7 1.0 adult equivalent (Other* \$361 \$453 \$330 Food and meals bought Operating and supplies 122 194 . 101 190 277 156 Clothing and clothing materials 52 Personal care, personal spending 71 101 133 171 83 Furnishings and equipment 105 161 60 Education, recreation and development 104 106 136 Medical care and health insurance 210 85 112 Church, welfare, and gifts Personal share of auto expense 118 152 91 44 34 38 Household share of elect. & gas eng. expenses 51 78 101 H.H. & pers.shr.of new auto, gas eng. & motors bot 225 108 Life insurance and other investments 197 \$1,255 \$1,631 \$2,225 Total household and personal cash expenses 218 336 Food furnished by the farm 263 24 28 24 Fuel furnished by the farm 255 311 213 House rental \$2,896 \$2,173 \$1,714 Total household and personal expenses

^{*}Hired help or others boarded.

	Brown & Watonwan	Cotton- wood	Fari- bault	Jackson	Lincoln & Lyon	Martin	Murray	Nobles	Pipestone & Rock	Redwood
RM EXPENSES	Wartonwan	wood	Dault		& Lyon				<u> </u>	
	\$ 1.044	\$ 2,609	\$ 1 00g	\$ 1,993	\$ 428	\$ 1,116	\$ 805	\$ 4,451	\$ 1,038	\$ 2,877
Cattle bought	184		324		φ τ <u>2</u> 0 88	264	_	190	167	175
Hogs bought	38	231	634		743	3	435	2,343	2,916	8
Sheep bought	5° 65	233	68			. 38	42	330	108	52
Poultry bought		91			55		889.	3,973	2 ,1 50	2,694
Feed	783	1,655	1,458			957		160	182	83
Other livestock expense	103	60	69	129	93	156				438
Crop expense	248	5 /1 /1	272	· · · · · · · · · · · · · · · · · · ·	285	312	281	340.		
Power machinery & equipme		1,747			1,422	1,457	1,336	1,756	1,712	2,017
Custom work hired	113	89	142		139	142	147	1,83	132	156
Buildings	484	275	772			880	304	506	267	469
Hired labor	⁴ 53	_j 450	503		560	519	554		400	595
Taxes, insurance, & misc.	325	438	372	350	432	<u>338</u>	428	565	383	542
								The second of the second		
(1) Total purchases	\$ 5,222	\$ 8,092	\$ 8,062	\$ 7,960	\$ 4,724	\$ 6,182	\$ 5,583	\$15,773	\$ 9,733	\$10,106
(2) Decrease in cap.			· · · · -	·	-			- · · · · · · · · · · · · · · · · · · ·	-	
(3) Board to hired labor	177	88	127	131	132	229	183	246	171	202
(4) Unpaid family labor	321	267	30 6	319	279	213	137	173	430	348
(5) Int. on farm cap.	1,699	1,629	1,831		1,520	1,633	1,468	2,484	1,877	2,134
(6) Total expenses	\$ 7,419	\$10,076	\$10.326	\$10,046	\$ 6,655	\$ 8,257	\$ 7,371	\$18,676	\$12,211	\$12,790
	, , , ,	, , , , , ,	, , ,	4			,,,,,,		·	
RM RECEIPTS	to.			i i			•			
Cattle sales	\$ 2,256	\$ 4,856	\$ 4.128	\$ 3,533	\$ 1,466	\$ 2.645	\$ 2,103	\$ 6,346	\$ 3,197 -	\$ 6,113
Dairy preducts	ें ें 871	613	645		842	918		904		559
Hogs	1,986	1,628	2,309		1,538	2,837	1,900	2,501	2,342	3,408
Sheep	232	123	725	•	176	208	939	3.329		283
Poultry & eggs	617	762	467		460	450				371.
Crop	1,748	1,955	1,566			1,232				2,746
AAA payment	468	420			417	1,272 1445	470		1 /	566
	or and the same a	488	508 628		629	570				747
Miscellaneous cash receip	ts <u>024</u>	488	020	930	029	- 510				
(7) m	# d doc	ero alie	****		e = 1111	2 0 70E	# 0 033	מרכי שום	\$13,295	\$14,793
(7) Total farm sales	\$ 8,802			\$11,081				\$18,771		2,433
(8) Increase in cap.	1,361	2,838	3,227	2,492	1,473	2,074				
(9) Family living from fa	rm <u>616</u>	453	593	524	484	512		<u>553</u>		<u>578</u>
10) Total receipts	\$10,779	\$14,136	\$14,796	\$14,097	\$ 9,368	\$11,891	\$11,128	\$25,099	\$16,202	
(b) Total expenses	7,419	10,076	10,326	10,046	6,655	8,257	7,371	18,676 6,423	12,211	12, 190
10) Total receipts (6) Total expenses 11) Oper. labor earnings	3,360	4,060	4,470	4,051	2,713	3,634	3,757	6,423	3,991	5,014
	, , , , , , , , , , , , , , , , , , ,	1,000		1,00	L, 1-7	J, •J,	and the second s	-, -,		

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	Table 36	Miscel!	laneous I	nformation	n - Averag	ged by Co	<u>unties, l</u>	941		
	Brown &	Cotton-		Jackson		Martin	Murray	Nobles		Redwood
	Watenwan	wood	bault		& Lyon				& Rock	
FARM INVENTORIES (Beginning	g of year))							2 776	
Horses	\$ 445	\$ 289	\$ 352	\$ 419	\$ 417	\$ 360	\$ 259	\$ 398	\$ 336	\$ 332
Productive livestock	3,928	3,591	4,448	3,664	2,839	3,707	3,165	6,856	6,043	5,997
Crop, seed and feed	3,847	4,219	3,948	4,138	3,966	3,745	3,653	4,966	3,854	4,483
Mach. and equipment	2,882	2,840	2,802	2,872	2,537	2,654	2,622	3,731	3,057	3,129
Buildings	8,243	6,410	7,761	6,655	7,298	7,531	6,009	8,202	7,523	7,934
Land	13.951	13,815	15,706	<u> 13.716</u>	12,600	<u>13,618</u>	12,800	22,648	<u>15.546</u>	19.598
Total farm capital	\$33,296	\$31,164	\$35,017	\$31,464	\$29,657	\$31,615	\$28,50 8	\$46,801	\$36,35 9	\$41,473
MEAS.OF FARM ORG. AND MANA	GEMENT EF	FIC.	. "				1.	2.00	26	0.0
Crop yields - % of ave.	111	102	109	107	76	107	104	108	96	92
% high return crops	37.4	39.3	38.6	38.5	33.7	37.3	34.6	38.2	33.3	35.1
Index ret. from livestoc	k 99	, 9 <u>2</u> -	107	_96	103	109	94	92	97	100
A. u. livestock per 100.	A. 22.6	5,4.6	29.7	23.8	15.2	29.1	20.5	32.2	26.5	24.0
Werk units	558	539	574	595	610	529	579	822	703	692
Werk units per worker	2 3 5	266	260	245	276	233	277	280	296	271
Exp. per work unit	\$2.49	\$2.44	\$2.27	\$2.21	\$2.22	\$2.84	\$2.41	\$2.05	\$1.93	\$2.42
DISTRIBUTION OF ACRES IN F.	ARM				206 5	70 7	22): 7	107 7	100 7	157.9
Small grain	g0.3	112.6	88.8	90.3	126.5	70.7	114.3	127.7	108.3 80.2	157.9 95.6
Cultivated crops	62.1	71.9	74.2	65.9	69.2	59.1	65.5	96.8	38.6	39.6
Tillable hay land	27.5	27.0	24.0	25.0	33.1	21.1	32.6	39.7	26.2	17.6
Tillable pasture	25.7	22.0	26.5	24.1	27.9	26.6	25.1	45.7		389.2
Total acres in farm	243.3	277.1	249.1		348.1	196.4	284.0	345.5	302·3	85.5
% land tillable	82.4	86.4	85.6	87.2	79.7	90.1	82.8	89.8	85.4	99•9
CROP YIELDS PER ACRE		32.2 3		3	22 7	- 1, 1,	מ דו ה	14.1	10.7	11.1
Flax, bu.	10.1	11.5	13.1	12.5	11.3	14,4	11.9	28.0	35.8	28.5
Barley, bu.	34.7	26.2	28.8	30.9	22.1	37.8	38.2		31.3	21.3
Oats, bu.	26.2	26.1	28.7	26.7	15.9	28.4	31.3	32.8 56.4	42.8	49.7
Corn, grain, bu.	65.5	61.3	61.9	64.7	43.2	62.1	57.4	10.4	7.0	7.8
Corn silage, tons	10.8	10.5	10.4	10.9	8.1	11.0	9.2		1.4	2.2
Alfalfa hay, tons	2.8	2.3	2.9	2.0	1.4	2.6	1.4	1.5	74.8	87.7
AN. UNITS OF LIVESTOCK	49.2	53.9	65.5	50.4	46.3	52.8	48.2	115.2		30.6
% dairy and dupur.catt	1e 35.3	30.9	24.9	41.3	35.7	32.3	21.9	27.8	32.8	11.1
% in beef breeding herd	13.5	5.0	13.1	4.6	19.0	16.0		6.0	7•5 15•8	27.4
% feeder cattle	14.7	34.4	20.8	21.1	11.4	9.4	25.7	22.8	4.0	
% sheep-farm flock	4.8	1.7	11.6	4.2	6.8	4.2	2.7	3.0 11.4	10.9	.2
% sheep-feeders	1.1	1.5	3.9	3.3		.0	3.8		21.9	25.4
% hogs	25.6	18.6	22.8	20.7		33.5				-0
% turkeys	.2	1.6	•0	1.8	. 0	.5	•0 4•5	7.2 3.5	3·7 3·4	2.9
% hens	4.8	€.3	2.9	3.0	5.2	4.1	4+•5	2.5		<u> </u>

Table 37. Summary of Farm Earnings by Years*

<u>T</u>	able 37. Su	mmary of Far	m <u> </u>	DY IE	ears
T	** *** *** *** *** *** *** *** *** ***			1940	1941
Items				165	166
No. of farms		and the second of		TOO.	100
FARM EXPENSES	•	•	ተ	70	\$ 32
Horses bought			Ф	. 32	
Dairy and dual-pur				76	138
Beef cattle bought	(including	feeders)		1,243	1,766
Hogs bought				103	209
Sheep bought (incl	_			414	686
Poultry bought (in		eys)		99	96
Miscellaneous crop	expenses		1. 18 30 14 11	243	303
Feed bought				1,007	1,718
Power machinery (f				379	446
Power machinery (f		upkeep)		411	497
Custom work hired		A Section of the second	<i>t</i> .	150	140
Crop and general m	achinery (ne	w)		319	416
Crop and general m				69	84
Livestock equipmen		•		74	123
Livestock equipmen		• 4		20	32 Page
Miscellaneous live		е	Holling Committee	72	109
Buildings and fenc				412	434
Buildings and fenc			, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	88	141
Hired labor				392	561
Taxes		and the second	•	313	337
Insurance				15	32
General farm				59	55 55 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
(1) Total farm pur	chases	, , .	\$	5,990	\$8,355
(2) Decrease in fa			•	بن.	· ·
(3) Board furnishe		r	Sales and American	131	171
(4) Interest on fa				1,635	1,831 ,
(5) Unpaid family		e de la companya del companya de la companya del companya de la co	المناشر المائد	252	at the second of
.(6) Total farm exp		f (1) to (5)	49	8,008	
FARM RECEIPTS	The stand		•		
Horses			\$	42	\$ 41
Dairy and dual-pur	nose cattle			265	
Dairy products	1		۶ °.	570	758
Beef cattle (inclu	din <i>e</i> feeders)		2,373	3,399
Beef cattle (inclu Hogs			and an east or and	1,162	the state of the s
Sheep and wool (in	cluding feed	ers)		470	1,032
Poultry (including	turkevs		Value (1997)	372	396 334
Eggs.	0 002 220 3 5 7			244	334
Corn	and the second	to Jen Zin		516	4.77
Small grain		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of the state of	849	t
Other crops				239	
Power machinery so	1 d	∯4 ¹⁰		168	204
Crop and general m		a 🖟		81	
Miscellaneous	Caratact & Ca	1 C C		394	1 76
Income from work o	ff the form	in y		193	
A company of the first of the company of the compan	and the second second	A		506	
(7) Total farm sal (8) Increase in fa (9) Family living (10) Total farm rec	ed baymen	Farm of		8,444	
(8) Thoroade in fa	rm canital.		% 4	1,179	
(9) Family living	rm contrar.	i land	医囊丛 医乳	483	538
(10) Total farm roc	ations rating	(8) 1 (a)	6 1	0,106	\$14,860
(6) Total farm exp	enses	AME 1988年		8,008	10,645
(11) Operator's lab	TETTOCO.		The first the second	2,098	4,215
(TT) Obergrot s Tar	of cornings	ンサンバーコンピー		W, 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

^{*}The financial statements differ in that the unpaid family labor rate was \$45 per month in 1940 and \$50 in 1941; and the board for hired labor was calculated at \$18 per month in 1940 and \$20 in 1941.

Table 38. Summary of Miscellaneous Items by Years

Items	1940	1941
Total farm capital	\$32,724	\$36,613
MEAS. OF FARM ORG. AND MANAGEMENT EFFICIENCY	ψοω, ιωπ	φου \$ 0πο
	35.9	36.5
% tillable land in high return crops		24.7
Animal units prod. livestock per 100 A.	22.1 560	631
Work units	569	264
Work units per worker	263	
Expenses per work unit	\$2.17	\$2.30
ACRES PER FARM	279	295
Crop acres per farm CROP YIELDS PER ACRE	213	223
Flax, bu.	13.7	12.0
Barley, bu.	42.3	29.6
Oats, bu.	60.1	26.4
Corn, grain, bu.	46.2	55.9
		9.5
Corn silage, tons	8.5 _{€5,63} €, 2.0	2.0
Alfalfa hay, tons	.5.* € , , *	: ;
RETURN ABOVE FEED COST PER:	047 O7	\$56.89
Dairy cow	\$43.03 ,	•
Dual-purpose cow	26.49 July 200	39.13
Animal unit in beef breeding herd	18.20	∖25 . 06
100 pounds feeder cattle produced	2.92 · · · · ·	3.99
Head of sheep in farm flock	3.27	5.96
100 pounds feeder sheep produced	2.13	8.01
100 pounds hogs produced	1.23	5.15
Hen	.96	1.35
100 pounds turkeys produced	5.74	9.63
FEED COST PER:		
Dairy cow	\$46.50	\$53.11
Dual-purpose cow	34. 85	44.19
Animal unit in beef breeding herd	29.86	33.57
100 pounds of feeder cattle produced	8.00	9.21
Head of sheep in farm flock	2,60	2.76
100 pounds feeder sheep produced	7.16	8.38
100 pounds hogs produced	4.29	5,55
Hen	1.11	1.50
100 pounds turkeys produced	7.27	8.26
Horse	29.74	31.80
MISC. LIVESTOCK INFORMATION		
No. of work horses	4.1	4.2
No. of colts	1.0	1.0
No. of dairy or dual-purpose cows	8.6	9.1
Head of cattle in beef breeding herd	9.0	9.4
Pounds feeder cattle produced	8,678	14,087
Total Total Total Translation		
Litters of pigs	13.6	16.9
Pounds of hogs produced	21,335	27,550
No. of hens	161	173
Pounds of butterfat per dairy cow	250	254
Pounds of butterfat per dual-purpose cow	179	190
No. of pigs per litter	6.2	6.4
% lamb crop	110	110
Eggs per hen	113	117
-000 Fat		

Table 38.	Summary of	Miscellaneous	Items by	Years	(Continued)
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Ite	ma	1940	1941	
<u> </u>	M. D. C.			
	PRICE RECEIVED PER:			**
	Control of the Contro		-1	
	Pound butterfat sold to creameries	\$.31	\$.37	8
	100 pounds feeder cattle	8.81	10.13	, J. L
	100 pounds feeder sheep	8.74	10.08	
	Pound of wool	. 29	• 38	. 13
	100 pounds of hogs	5.15	9.07	
	'Dozen eggs	•15	.21	
	Pound of turkeys	.14	.18	
	PRICE OF FEED	•	_	
	Shelled corn, bu.	\$.47	\$.54	
	Oats, bu.	. 26	32	
	Barley, bu.	.31	• 39	
	Alfalfa hay, ton	7.50	8.50	
	Timothy hay, ton	4.80	5.45	
	Corn silage, ton.	2.10	2.55	
	Bran, cwt.	1.20	1.50	
	Linseed oilmeal, cwt.	1.75	2.00	
	Tankage, cwt.	2.50	3.20	
	Meat scraps, cwt.	2.55	3.20	•
	' ,	and the second second		

Suggestions for Improvements