



AgEcon SEARCH

RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

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

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

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

aesearch@umn.edu

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

No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.

9

Report 9
1924

PRELIMINARY REPORT OF THE STEELE COUNTY STATISTICAL ROUTE - 1924

OBJECT: To collect for the use of interested farmers, the general public and government agencies dependable information on farm costs, farm profits and farm organization in general.

HOW SUPPORTED: This work is jointly financed by the University of Minnesota and the United States Department of Agriculture.

FINANCIAL STATEMENT
(Average per Farm - Owatonna, 1924)

<u>RECEIPTS:</u>		<u>EXPENSES:</u>	
Dairy Products	1538.00	Livestock	379.00
Cattle	573.00	Feed	315.00
Swine	1037.00	Crops	239.00
Poultry	253.00	Labor	445.00
Sheep	11.00	Real Estate	104.00
Horses	59.00	Machinery	388.00
Crops	909.00	Auto	260.00
Outside Work	41.00	Insurance & Taxes	303.00
Miscellaneous	<u>50.00</u>	Miscellaneous	<u>13.00</u>
Total	4471.00	Total	2446.00
Excess of cash receipts over cash expenses		2025.00	
Value farm products used in house		237.00	
Estimated house rent		248.00	
Increase of inventory		<u>593.00</u>	
Total family income			3103.00
Value unpaid family labor, 3095 hrs. @ 21¢			<u>632.00</u>
Farmers income (pay for hrs. labor and interest on \$37194)			2471.00

Five Year Summary

Year	Investment	Excess Income over Expenses
1920	\$38971.00	\$1905.00
1921	35925.00	1334.00
1922	37328.00	1856.00
1923	38100.00	2130.00
1924	37194.00	2025.00

FACTS ABOUT THE DAIRY ENTERPRISE
(Average of 367 cows on 22 farms)

FEED:

Hay (mostly tame)	2044 lbs.	\$16.56	
Fodder & stover	428	1.79	
Silage	7495	18.65	
Beet tops	1622	1.61	
Shelled corn	31	.42	
Small grain	1355	17.97	
Mill feeds	99	1.33	
Oilmeal	18	.44	
Pasture	177 days	<u>7.43</u>	
Total feed cost			\$66.20

LABOR:

Man hours	153	32.15	
Horse hours	4	.48	32.63

OTHER COSTS:

Interest @ 6%		5.79	
Depreciation		10.13	
Miscellaneous cash		.42	<u>16.34</u>

Total cost per cow 115.17

CREDITS:

Calf credit		5.66	
Skim milk credit - 5600 lbs. @ 35¢		<u>19.60</u>	<u>25.26</u>
Net cost of butterfat			89.91
Net return per cow			10.41

	Average	Highest	Lowest
Lbs. B.F. per cow	209	285	147
Cost of B.F. per lb. (cents)	43	60 $\frac{1}{2}$	21 $\frac{1}{2}$
Average selling price B.F. per lb. (cents)	48	50 $\frac{1}{2}$	42 $\frac{3}{4}$
Average return per hour man labor (cents)	29	77 $\frac{1}{2}$	7
Return per cow	10.41	56.84	-32.09

Five Year Summary

Year	Lbs. B.F. per cow	Feed Requirements				Man labor	Avg. price B.F.
		Grain	Hay*	Silage	Pasture		
1920	170	1341	2215	7456	162	172	71¢
1921	174	1822	1975	8000	184	194	48
1922	195	1966	3077	7368	138	157	45 $\frac{1}{2}$
1923	212	2061	2469	9297	196	155	53
1924	209	1504	2472	9117**	177	153	48

*Includes fodder and stover

**Includes beet tops

COST OF PORK PRODUCTION
(Average cost of producing 100# on 20 farms)

<u>FEED:</u>	Amount	Value	
Shelled corn	278 lbs.	\$3.86	
Small grain	148	2.00	
Mill feeds	5	.07	
Tankage & oilmeal	1	.02	
Skimmilk	540	1.89	
Beet tops	56	.06	
Pasture	8	<u>.35</u>	
Total feed cost			8.25
 <u>LABOR:</u>			
5.2 man hours @ 21		1.09	
.3 horse hours		.05	1.14
 <u>OTHER COSTS:</u>			
Interest @ 6%			.22
Miscellaneous cash costs			<u>.02</u>
Total costs			9.63
Average selling price			7.06

	Average	Highest	Lowest
Cost per 100 lbs.	9.63	21.14	5.12
Grain fed per 100 lbs.	432	1040	243
Skimmilk fed per 100 lbs.	540	1533	200

Five Year Summary

Year	Lbs. of pork produced per farm	Lbs. grain per 100 lbs. gain	Lbs. Supplement		Hours labor per cwt.
			Skimmilk	Tankage	
1920	11184	457	290	3	5
1921	10040	463	300	4	6
1922	13668	543	358	1	5½
1923	16766	513	398	4	5½
1924	10304	440	540	1	5

FACTS ABOUT THE POULTRY ENTERPRISE
(17 flocks averaging 134 hens)

COSTS:

Feed	135.18
Labor	84.93
Interest	9.34
Depreciation	7.30
Miscellaneous cash	<u>17.47</u>

Total Costs 254.22

CREDITS:

Sales - 840 doz. eggs	202.44
Poultry	91.93
Used in house - 123 doz. eggs	31.61
Poultry	<u>17.52</u>

Total Credits 343.50

Net Return 89.28

Eggs per hen	91
Lbs. of grain fed - home grown	8170
Lbs. of grain fed - purchased	285
Labor - man hours	372
Horse "	5
Cost per dozen	17¢
Average selling price	24

Five Year Summary

Year	Average number hens	Pounds grain per hen	Eggs laid per hen	Net return per hen	Average selling price
1920	97	39	76	.31	.42
1921	107	21	64	.90	.28
1922	105	28	71	1.94	.23
1923	142	44	77	.83	.26
1924	134	63	91	.67	.24

RETURNS FROM GROWING ALFALFA
(Average of 133.18 acres on 15 farms)

COSTS:

Man labor	17 hours	3.57	
Horse labor	25 $\frac{1}{4}$ "	3.16	
Seed ($\frac{1}{2}$ of seeding costs)		1.53	
Manure		.60	
Machine		1.60	
Total (except rent)			10.46
Cash rent			6.00
Total cost			16.46
Credit for pasturing			.10
Net cost			16.36
Value of crop 2.5 tons @ 16.00			40.00
Net return per acre			23.64

	Average	Highest	Lowest
Yield (tons)	2.5	4.3	1.3
Cost per ton (dollars)	6.54	10.50	4.53

Five Year Summary

Year	Average acres	Yield	Hours Labor		Cost per ton
			Man	Horse	
1920	1	2.5	24 $\frac{1}{2}$	29 $\frac{1}{2}$	9.56
1921	2	3.5	23 $\frac{3}{4}$	30 $\frac{1}{4}$	5.89
1922	4	3.7	19	26 $\frac{3}{4}$	5.20
1923	5	2.6	13 $\frac{1}{2}$	19 $\frac{3}{4}$	7.11
1924	7	2.5	17	25 $\frac{1}{4}$	6.54

RETURNS FROM GROWING TAME HAY
(Average of 291 acres on 17 farms)

COSTS:

Man labor	8 hours	1.63
Horse labor	13½ "	1.66
Seed		1.25
Manure		.55
Machine		<u>1.25</u>
Total (except rent)		6.39
Cash rent		6.00
Total cost		<u>12.39</u>
Value of crop 1.5 tons		<u>16.50</u>
Net return per acre		4.11

Average Highest Lowest

Yield (tons)	1.5	2.6	.4
Cost per ton (dollars)	8.26	25.12	5.59

Five Year Summary

Year	Average acres	Yield	Hour Labor		Cost per ton
			Man	Horse	
1920	16	1.8	10½	14½	8.23
1921	16	1.5	8	12½	7.55
1922	16	1.7	7½	12¼	6.09
1923	18	1.0	5½	8½	11.30
1924	13	1.5	8	13¼	8.26

Facts about the Organization of the Farms

	<u>1920</u>	<u>1921</u>	<u>1922</u>	<u>1923</u>	<u>1924</u>
Acres corn cut for silage	14	14	15	20	15
Acres corn for grain or fodder	24	28	30	24	28
Acres small grain	58	56	50	50	51
Acres alfalfa	1	2	4	5	7
Acres tame hay	16	16	16	18	13
Acres wild hay	11	11	10	7	7
Acres miscellaneous crops	4	2	5	6	8
Total Crop Acres per Farm	128	129	130	130	129
Acres in pasture	44	45	45	47	49
Acres in farmstead, orchard and garden	5	5	6	6	6
Acres in lanes, woods and waste	5	5	5	5	6
Total Acres per Farm	182	184	186	188	190
Total hours man labor per farm	8508	8877	8976	8795	8617
Hours of hired labor per farm	2965	2260	2182	2469	2130
Hours of unpaid labor per farm	1926	2605	2975	2688	3009
Hours of proprietor labor per farm	3617	4012	3819	3638	3478
Hrs. of proprietor labor per farm per week day	10.9	11.9	11.3	10.9	10.4
Hours of proprietor labor per farm per Sunday	5.7	6.5	6.2	5.8	5.4
Average cost of man labor per hour	32¢	17½¢	17½¢	21¢	21¢
Average number of work horses per farm	6.3	6.5	6.9	6.9	6.5
Number of crop acres per horse	22	20	19	19	20
Hours of work per horse per year	829	832	843	802	891
Cost of horse work per hour	17¢	9¢	10¢	11¢	12¢
Number of cows milked per farm	15	15	18	18	17
Lbs. butterfat produced annually per farm	2605	2550	3266	3599	3621
Lbs. pork produced per farm	11184	10040	13668	16765	12941