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Report 7

1923

PRELIMINARY REPORT OF THE STEELE COUNTY STATISTICAL ROUTE - 1923

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.

Facts About the Organization of the Farms

	22 Farms		
	Average	Highest	Lowest
Acres corn cut for silage	20	49	9
Acres corn for grain or fodder	24	61	1
Acres <del>small</del> <sup>small</sup> grain	50	115	17
Acres alfalfa	5	19	0
Acres tame hay	18	46	0
Acres wild hay	7	27	0
Acres of miscellaneous crops	6	24	1
<b>TOTAL CROP ACRES PER FARM</b>	<b>130</b>	<b>277</b>	<b>76</b>
Acres in pasture	47	81	6
Acres in farmstead, orchard & garden	6	19	2
Acres in lane, woods & waste	7	17	1
<b>TOTAL ACRES PER FARM</b>	<b>188</b>	<b>357</b>	<b>92</b>
Total hours of man labor per farm	8768	15504	5760
Hours of hired labor per farm	2469	6972	0
Hours of unpaid family labor per farm	2688	8556 $\frac{1}{2}$	11
Hours of proprietor labor per <del>farm</del> <sup>year</sup>	3638	4376	2164
Hours of proprietor labor per week day	10.9	12.8	6.6
Hours of proprietor labor per Sunday	5.8	8.3	3
Average cost of man labor per hour	21 $\frac{1}{2}$	-	-
Average number of work horses per farm	6.2	10.67	4.0
Number of crop acres per horse	20	35	13
Hours of labor per horse per year	826	1074	611
Cost of horse labor per hour	11	17	8 $\frac{1}{2}$
Number of cows milked per farm(21 farms)	18	25	10
Pounds of butterfat sold annually per farm(21 farms)	3290	4975	1799
Number of pigs raised annually per farm	73	245	26

AVERAGE RETURNS PER FARM - OWATONNA, 1923

RECEIPTS:

Horses	\$81.00
Dairy products	1781.00
Cattle	835.00
Sheep	3.00
Hogs	1272.00
Poultry	269.00
Crops	497.00
Outside work	71.00
Miscellaneous	<u>53.00</u>

Total Receipts 4867.00

EXPENSES:

Livestock	488.00
Feed	271.00
Crops	186.00
Labor	324.00
Real estate	350.00
Machinery	428.00
Auto	274.00
Insurance & taxes	289.00
Miscellaneous	<u>77.00</u>

Total Expenses 2687.00

Excess of cash receipts over cash expenses	2180.00
Value of farm produce used in house	214.00
Estimated house rent (12% on 1800)	<u>216.00</u>

Total income not including decrease in inventory 2610.00

Decrease of inventory	125.00
Value of unpaid family labor except operator	
2688½ @ 21	<u>586.00</u>

Total 711.00

Excess income over expenses 1899.00  
(Income to pay interest on \$38100 and to pay for 3638 hours of labor)

FACTS ABOUT THE DAIRY ENTERPRISE  
(Average of 370 cows on 21 farms)

<u>FEED:</u>		Per Cow	
Hay (mostly tame)	1962 lbs.	15.18	
Fodder & stover	472	2.26	
Silage	9350	20.04	
Shelled corn	281	2.95	
Small grain	1640	17.77	
Commerical feed	88	1.30	
Oilmeal	20	.50	
Pasture	196 days	<u>7.31</u>	
Total feed cost			67.32
 <u>LABOR:</u>			
Man hours	140 $\frac{1}{4}$ @ 21	31.34	
Horse hours	4 $\frac{1}{2}$ @ 12	.54	31.88
 <u>OTHER COSTS:</u>			
Interest @ 6%			6.49
Depreciation			4.07
Misc. cash costs			<u>1.09</u>
Total cost per cow			110.85
 <u>CREDITS:</u>			
Calf credit		6.28	
Skimmilk credit		<u>22.95</u>	
Total credits per cow			<u>29.23</u>
Net cost of butterfat			81.62

	Average	Highest	Lowest
Lbs. of butterfat per cow	211	297	154
Cost of butterfat per pound (cents)	39	66	21
Average selling price per pound (cents)	53	56 $\frac{1}{2}$	51 $\frac{1}{2}$
Return per hour of man labor (cents)	41	80	04

FACTS ABOUT THE POULTRY ENTERPRISE  
(19 flocks averaging 142 hens)

COSTS:

Feed	\$94.38
Labor	80.04
Interest	10.28
Depreciation	3.62
Misc. cash	<u>16.02</u>

Total Costs

204.34

CREDITS:

Sales - 735 doz. eggs	192.19
Poultry	91.41
Used in house - 127 doz. eggs	32.05
Poultry	<u>23.46</u>

Total Credits

339.11

Net Return

134.77

Eggs per hen	77
Pounds of grain fed - home grown	5937
"    "    "    " - purchased	326
Labor - Man hours	377
Horse hours	6½

COST OF PORK PRODUCTION  
(Average cost of producing 100# on 21 farms)

FEED:

Shelled corn, 258 @ 62¢ bu.	2.94	
Small grain, 151 @ 1.08¢ per lb.	1.62	
Mill feeds, 5	.08	
Tankage & oilmeal, 4	.13	
Skim milk, 395	1.35	
Pasture	.25	
Total feed cost		6.37

LABOR:

5.0 man hours @ 21	1.05	
.4 horse hours	.06	1.11
Interest @ 6%		.20
Other cash costs		.04
Total costs		7.72

Average selling price		6.92
Loss per 100#		.80¢

	Average	Highest	Lowest
Cost per 100 lbs.	7.72	14.11	4.89
Grain fed per 100 lbs.	418	749	290
Skim milk fed per 100 lbs.	395	1424	22

COST OF HORSE LABOR  
(Average cost per horse)

FEEDS:

	Amounts Fed
Hay	3469 lbs.
Fodder & stover	1180
Grain	3184
Pasture	75 days

COSTS:

Total feed cost	61.71	
Labor cost	18.12	
Interest @ 6%	4.91	
Depreciation	8.55	
Misc. cash cost	.81	
Total cost per horse		94.10
Hours worked per horse	849	
Cost per hour	11¢	

RETURNS FROM GROWING ALFALFA  
(Average of 96.48 acres on 15 farms)

COSTS:

Man labor, 13 $\frac{1}{2}$ hours	2.83	
Horse labor, 19 $\frac{3}{4}$ hours	2.17	
Seed( $\frac{1}{4}$ of seeding costs)	5.00	
Manure	1.14	
Machine	<u>1.60</u>	
Total(except rent)		12.74
Cash rent		<u>6.50</u>
Total cost		19.24
Credit for pasturing		<u>.26</u>
Net cost		18.98
Value of crop 2.55 tons @ 18.00		<u>45.90</u>
Net return per acre		26.92
Net return for land per acre		33.42

	Average	Highest	Lowest
Yield(tons)	2.55	3.90	1.21
Cost per ton(dollars)	7.55	14.14	4.96

RETURNS FROM GROWING TAME HAY  
(Average of 345 acres on 17 farms)

COSTS:

Man labor, 5 $\frac{1}{2}$ hours	1.13	
Horse labor, 3 $\frac{1}{2}$ hours	.94	
Seed	1.25	
Manure	1.19	
Machine	<u>1.25</u>	
Total(except rent)		5.76
Cash rent		<u>6.50</u>
Total cost		12.26
Credit for pasturing		<u>.46</u>
Net cost		11.80
Value of crop .98 tons @ 13.00		<u>12.74</u>
Net return per acre		.94
Net return for land per acre		7.44

	Average	Highest	Lowest
Yield	.98	1.40	.52
Cost per ton	12.58	23.78	8.19

THE COST OF GROWING CORN  
(Average of 446 acres on 19 farms)

COSTS:

Man hours, 12 $\frac{1}{4}$	2.58	
Horse hours, 44	4.83	
Tractor hours, .9	1.04	
Seed	.28	
Husking charge (8¢ per bu.)	2.09	
Manure charge	2.65	
Machine charge	<u>1.15</u>	
Total except rent		14.62
Land charge		<u>6.50</u>
Total of all costs		21.12
Value of corn 26.1 bu. @ 65¢		16.98
Net loss per acre		4.14
Net return for land per acre		2.36

	Average	Highest	Lowest
Yield of grain (bushels)	26.1	42.5	15.2
Cost per bu. (dollars)	.81	1.21	.54

THE COST OF GROWING OATS  
(Average of 279 acres on 13 farms)

COSTS:

Man hours, 9 $\frac{1}{2}$	2.01	
Horse hours, 20 $\frac{1}{2}$	2.25	
Tractor hours, .4	.35	
Seed	1.14	
Twine	.30	
Threshing	1.52	
Manure	.18	
Machine charge	<u>1.00</u>	
Total costs except rent		8.75
Cash rent		<u>6.50</u>
Total costs		15.25
Value of crop 53 $\frac{1}{2}$ bu. @ 37		19.79
Net return per acre		4.54
Net return for land per acre		11.04

	Average	Highest	Lowest
Yield of grain (bushels)	53 $\frac{1}{2}$	67 $\frac{1}{2}$	38
Cost per bu. (dollars)	<del>38</del>	<del>20</del>	<del>29</del>
	29	38	20