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PRELIMINARY REPORT OF THE COTTONWOOD-JACKSON STATISTICAL ROUTE - 1923

Object: The purpose is to collect for the use of interested farmers, the general public and government agencies, dependable information as to farm costs and profits.

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

	Twenty-three Farms		
	Average	Highest	Lowest
Acres corn cut for silage	5	15	0
Acres corn for grain or fodder	47	104	20
Acres small grain	49	111	17
Acres of alfalfa	3	16	0
Acres tame hay	10	69	0
Acres wild hay	6	35	0
Acres misc. crops	2	12	0
Total Crop Acres Per Farm	122	238	50
Acres in pasture	37	83	4
Acres in farmstead, orchard & garden	6	20	1
Acres in lane, woods & waste	3	10	1
Total Acres Per Farm	168	273	78
Total hours of man labor per farm	5464	11333	3459
Hours of hired labor per farm	553	3458	0
Hours of unpaid family labor per farm	1616	5573	0
Hours of proprietor labor per year	3405	4277	2575
Hours of proprietor labor per week day	10.2	12.6	7.9
Hours of proprietor labor per Sunday	4.7	9.3	2.3
Average cost of man labor per hour	21¢	-	-
Number of work horses per farm	5.8	9	3.9
Number of crop acres per horse	21	31	13
Hours of labor per horse per year	764	1426	511
Cost of horse labor per hour	9¢	12½¢	6¢
Number of pounds of pork produced (22 farms)	11747	26363	4035
Number of pigs raised (21 farms)	49	106	16

AVERAGE RETURNS PER FARM - WINDOM, 1923

RECEIPTS:

Horses	\$44.00
Dairy products	738.00
Cattle	412.00
Sheep	72.00
Hogs	644.00
Poultry	228.00
Crops	576.00
Outside work	56.00
Miscellaneous	<u>80.00</u>

Total Cash Receipts \$2850.00

EXPENSES:

Livestock	297.00
Feed	205.00
Labor	84.00
Crop expense	138.00
Machinery	201.00
Real estate	106.00
Taxes & insurance	148.00
Rent	155.00
Auto	206.00
General expense	<u>32.00</u>

Total Cash Expenses 1572.00

Excess of cash receipts over cash expenses	1278.00
Increase of inventory	301.00
Value of farm products used in house	222.00
Estimated house rent (12% on \$2000)	<u>240.00</u>

Total Income 2041.00

Value of unpaid family labor except operator's time
1616 hours @ 21¢ 339.00

Excess income over expenses (or income for 3405 hours
of labor by operator and pay for use \$18725 of
capital investment) 1702.00

THE COST OF PRODUCING PORK
(Average cost of producing 100 lbs.)

<u>FEED:</u>				
Shelled corn	355#	\$3.86		
Small grain	69	.70		
Shorts & middlings	1	.01		
Tankage & oilmeal	1	.03		
Skim milk	138	.48		
Pasture	19	.27	5.35	
<u>LABOR:</u>				
3.0 man hours		.63		
.4 horse hours		.04	.67	
<u>OTHER COSTS:</u>				
Interest		.19		
Cash		.17	.36	
Total of All Costs			6.38	
Average selling price			6.42	
Return over costs			.04	
		Average	Highest	Lowest
Cost per 100 lbs. (dollars)		6.38	10.57	4.11
Grain fed per 100 lbs.		425	734	233
Skim milk fed per 100 lbs.		138	379	24

THE COST OF HORSE LABOR
(Average of 128 horses on 22 farms)

	Per Horse	
Feed - Hay	3155 lbs.	
Fodder	13 "	
Grain	2902 "	
Pasture	87 days	
Labor - Man	.65 hrs.	
Total feed cost	48.43	
Man labor cost	13.63	
Interest	4.79	
Depreciation	1.19	
Miscellaneous	.42	
Total		68.46
Number of hours worked	764	
Cost per hour	9¢	

FACTS ABOUT THE DAIRY BUSINESS
(Average of 126 cows on 13 farms)

		Per Cow		
Feed - Shelled corn	527 lbs.	\$6.28		
Small grain	493 "	5.22		
Wheat mill feeds	17 "	.27		
Oilmeal	16 "	.60		
Hay	1288 "	7.39		
Fodder	859 "	3.35		
Silage	2786 "	5.85		
Pasture	228 days	<u>7.04</u>		
Total Feed Cost		36.00		
Labor - Man hours	144 hrs.	30.24		
Horse hours	2 "	.24		
Interest		3.57		
Depreciation		1.52		
Misc. cash		<u>.67</u>		
Total		72.24		
Skimmilk credit		12.16		
Calf credit		<u>6.21</u>		
Total Credits		18.37		
Net cost of butterfat		53.87		
		Average	Highest	Lowest
Lbs. of butterfat per cow		161	323	71
Cost of butterfat per lb. (cents)		33½	51	14
Average selling price per lb. (cents)		.47	52	40
Return per hour of labor (cents)		35	84	17
Return per cow		21.30	-	-

FACTS ABOUT THE POULTRY ENTERPRISE
(Average of 130 hens on 20 farms)

COSTS:

Feed cost	\$90.25
Labor cost	63.78
Interest	10.19
Misc. cash cost	<u>13.31</u>

Total cost 177.53

CREDITS:

Eggs sold	166.42
Eggs used in house	29.69
Poultry sales	98.94
" used in house	20.84
Increase in inventory	13.77
Premiums	<u>2.70</u>

Total Credits 332.36

Net return 154.83

Eggs per hen	80
Pounds of grain fed - farm raised	67 6925
Purchased	295 67
Labor - Man hours	295
Horse hours	20

RETURNS FROM GROWING OATS
(Average of 820 acres on 20 farms)

Costs:		
Man hours, 8	\$1.71	
Horse hours, 17	1.80	
Seed	1.12	
Twine	.33	
Threshing	1.42	
Manure	.19	
Machine	<u>1.00</u>	7.57
Value of Crop -		
Tenants's 3/5 share of crop 34 bu. @ 34¢		11.58
Net return		4.01

	Average	Highest	Lowest
Yield of grain(total)	57	68	44
Cost per bu. (3/5 tenant's share)	22	32	18

THE COST OF GROWING CORN
(Average of 816 acres on 18 farms)

Costs:		
Man hours, 10	2.13	
Horse hours, 42½	4.24	
Seed	.25	
Husking charge	4.11	
Manure	.50	
Machine	<u>1.15</u>	12.38
Value of crop -		
Tenants's 3/5 share 30 bu. @ 53¢		15.96
Net return		3.58

	Average	Highest	Lowest
Yield of grain(total)	50	62	35
Cost per bu. (3/5 tenant's share)	41¢	56¢	35¢

RETURNS FROM GROWING CLOVER AND TIMOTHY HAY
(Average of 202 acres on 13 farms)

Costs:			
Man hours, 6	1.27		
Horse hours, 10	.99		
Seed	1.25		
Manure	.42		
Machine	<u>1.25</u>		
Costs except rent		5.18	
Land charge or rent		<u>6.00</u>	
Total all costs		11.18	
Credit for seed		<u>1.60</u>	
Net cost of hay		9.58	
Value of hay , 1.02 tons		10.14	
Net return per acre		.56	
Net return for land		6.56	
	Average	Highest	Lowest
Yield tons(total)	1.02	2.02	.72
Cost per ton	9.39	15.79	6.08

RETURN FROM GROWING ALFALFA
(Average of 57 acres on 8 farms)

Costs:			
Man hours, 12 $\frac{1}{2}$	2.60		
Horse hours, 19 $\frac{1}{2}$	1.96		
Seed	2.00		
Manure	1.39		
Machine	<u>1.60</u>		
Costs except rent		9.55	
Land charge or rent		<u>6.00</u>	
Total cost		15.55	
Credit for pasturing		<u>.83</u>	
Net cost of hay		14.72	
Value of hay 2.74 tons		23.35	41.07
Net return per acre		8.63 26.35	
Net return for land		14.63	32.35
	Average	Highest	Lowest
Yield in tons(total)	2.74	4.06	2.45
Cost per ton	5.37	6.89	3.95