



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.*

#10

Report 10

1924

PRELIMINARY REPORT OF THE COTTONWOOD - JACKSON 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 - 23 farms, Windom 1924)

RECEIPTS:

Dairy Products	\$747.00
Cattle	456.00
Swine	1141.00
Poultry	280.00
Sheep	33.00
Horses	40.00
Crops	691.00
Outside work	94.00
Miscellaneous	52.00

Total \$3534.00

EXPENSES:

Livestock	\$353.00
Feed	291.00
Crops	164.00
Labor	117.00
Real Estate	49.00
Machinery	217.00
Auto	138.00
Taxes & insurance	159.00
Rent	227.00
Miscellaneous	36.00

Total \$1751.00

Excess of cash receipts over cash expenses	\$1783.00
Value farm products used in house	220.00
Estimated house rent	227.00
Increase of inventory	100.00

Total family income	\$2330.00
Value unpaid family labor, 1425 hrs. @ 21¢	299.00

Farmers income (pay for 3183 hrs. labor and interest on \$14012)	2031.00
--	---------

Five Year Summary

Year	Investment	Excess cash income over cash receipts
1920	\$24719.00	\$928.00
1921	18095.00	1077.00
1922	13901.00	1441.00
1923	13608.00	1278.00
1924	14012.00	1783.00

FACTS ABOUT THE DAIRY ENTERPRISE

(Average of 100 cows on 10 farms)

Feed:

Hay	2165	\$13.08	
Podder	515	2.30	
Silage	5332	11.36	
Shelled corn	232	3.90	
Small grain	561	7.45	
Mill feeds	20	.34	
Oilmeal	17	.48	
Pasture	227	<u>7.96</u>	\$46.87

Labor:

Man hours	144 $\frac{1}{2}$	30.35	
Horse hours	2 $\frac{1}{2}$	<u>.29</u>	30.64

Other Costs:

Interest @ 6%		3.89	
Miscellaneous cash		<u>.82</u>	<u>4.71</u>

Total cost per cow \$82.22

Credits:

Calf credit		5.77	
Skinmilk		<u>21.06</u>	<u>26.83</u>

Net cost of butterfat 55.39

Net return per cow 22.28

	Average	Highest	Lowest
Lbs. B.F. per cow	188 $\frac{1}{2}$	347	101
Cost of B.F. per lb. (cents)	29 $\frac{1}{2}$	45	19 $\frac{1}{2}$
Average selling price B.F. (cents)	41 $\frac{1}{4}$	46 $\frac{1}{4}$	34
Average return per hour man labor	35 $\frac{1}{2}$	57	22
Return per cow	22.28	52.14	2.83

Five Year Summary

Year	B.F. per cow Lbs.	Feed Requirements				Man Labor Hours	Average Price B.F. Cents
		Grain Lbs.	Hay Lbs.	Silage Lbs.	Pasture days.		
1920	132	478	2318	1561	199	150	52 $\frac{1}{2}$
1921	186	1932	3102	2365	215	194	37
1922	170	611	2455	4645	223	153	41 $\frac{1}{2}$
1923	161	1108	2469	2957	228	144	46 $\frac{3}{4}$
1924	188 $\frac{1}{2}$	930	2680	5332	227	144 $\frac{1}{2}$	41 $\frac{1}{4}$

COST OF PORK PRODUCTION

(Average cost of producing 100 lbs. on 23 farms)

FEED:

Shelled corn	372 lbs.	\$4.84	
Small grain	141	1.61	
Mill feeds	7	.15	
Tankage and oilmeal	5	.15	
Skim milk	173	.60	
Pasture	8	.32	
Total feed cost			\$7.67

LABOR:

Man hours	3	\$.63	
Horse hours	1/3	.04	.67

OTHER COSTS:

Interest @ 6%	.25	
Miscellaneous cash costs	.18	<u>.43</u>
Total costs		\$8.77
Average selling price		\$8.25

Cost per 100 lbs. (dollars)	Average 8.77	Highest 15.06	Lowest 5.16
* Lbs. grain fed per 100 lbs. gain	525	878	319
Lbs. skim milk fed per 100 lbs. gain	173	794	31

* Includes 5 lbs. tankage

Five Year Summary						
'Year'	' Lbs. of pork produced per farm	' Lbs. grain per 100 lbs. gain	' Lbs. Supplement Skim milk	' Tankage	' Hours labor per cwt.	'
'1920'	' 9917	' 495	' 98	' 2	' 4	'
'1921'	' 13176	' 489	' 98	' 4	' 3 1/4	'
'1922'	' 13313	' 466	' 105	' 2	' 3 1/2	'
'1923'	' 11075	' 452	' 136	' 3	' 3	'
'1924'	' 14190	' 520	' 173	' 5	' 3	'

FACTS ABOUT THE POULTRY ENTERPRISE

(19 flocks averaging 153 hens)

COSTS:

Feed	\$157.89	
Labor	63.84	
Interest	11.75	
Depreciation	5.80	
Miscellaneous cash	<u>19.78</u>	
 Total costs		 \$258.86

CREDITS:

Sales - 850 doz. eggs	\$206.27	
Poultry	122.65	
Used in house - 103 doz. eggs	26.65	
Poultry	<u>22.86</u>	
 Total credits		 <u>\$378.43</u>
 Net Return		 \$119.57

Eggs per hen		78
Lbs. of grain fed - home grown		10353*
Lbs. of grain fed - purchased		330
 Labor - man hours	312	
Horse hours	12 2/3	
 Cost per dozen	\$.15 1/4	
Average selling price	.24 1/4	

Five Year Summary

'Year	'Average number hens	'Pounds grain per hen	'Eggs laid per hen	'Net return per hen	'Average selling price
1920	86	49	56	41	37 3/4
1921	109	31	64	56	24
1922	127	48	66	65	22 1/2
1923	130	51	80	1.02	24
1924	153	70	78	78	24 1/4

RETURNS FROM GROWING OATS AND CORN

OATS

(Average of 23 farms)

COSTS:

Man labor 7.8 hrs.	\$1.64
Horse " 15.7 "	1.65
Seed	1.10
Twine	.34
Threshing	1.39
Manure	.10
Machine	1.00
Total	<u>7.22</u>

CORN

(Average of 23 farms)

COSTS:

Man labor 10.3 hrs.	\$2.13
Horse " 41.2 "	4.33
Seed	.33
Husking charge	2.04
Manure	.46
Machine	1.15
Total	<u>\$10.44</u>

Value of Crop:

Tenant's 3.5 share of crop	
30½ bu.	12.87
Net return	5.65

Value of Crop:

Tenant's 3/5 share	
15 bu.	11.44
Net return	1.00

	<u>Average</u>	<u>Highest</u>	<u>Lowest</u>	<u>Average</u>	<u>Highest</u>	<u>Lowest</u>
Yield of grain	.51	.69	.23	.25½	.57	.11
Cost per bu. (3/5 tenant's share)	\$.23	\$.48	\$.17	\$.69	\$1.67	\$.40

Oats Five Year Summary

Year	Total acres	Yield	Hours labor		Cost per bu.
			Man	Horse	
1920	775	36½	7½	19½	.62
1921	1029	33	7	16½	.35
1922	1052	41	6	13½	.24
1923	959	57	8	17	.22
1924	849	51	8	15½	.24

Corn Five Year Summary

Year	Total acres	Yield	Hours labor		Cost per bu.
			Man	Horse	
1920	1206	38	10	42	.76
1921	1179	45	11	44	.37
1922	1472	30½	10	42½	.53
1923	1189	50	10	42½	.41
1924	1241	25½	10½	41	.69

RETURN FROM GROWING ALFALFA & TAME HAY - 1924

ALFALFA

(Average of 13 farms)

COSTS:

Man labor, 11 hrs.	\$2.31
Horse " , 14½ "	1.52
Seed(¼ of seeding costs)	.95
Manure	.44
Machine	<u>1.50</u>

Total (except rent) \$ 6.72

Cash rent 6.00

Total cost \$12.72

Value of Crop, 2 tons 30.00
Net return per acre \$17.28

TAME HAY

(Average of 12 farms)

COST:

Man labor, 5½ hrs.	\$1.16
Horse " , 8½ "	.89
Seed	1.15
Manure	.25
Machine	<u>1.30</u>

Total (except rent) \$ 4.75

Cash rent 6.00

Total cost \$10.75

Value of Crop, .9 tons 7.20
Net return per acre -\$ 3.55

	Average	Highest	Lowest	Average	Highest	Lowest
Yield (tons)	2.0	4.0	1.2	.9	2.3	.5
Cost per ton (dollars)	6.36	8.44	3.35	11.94	20.04	4.52

Alfalfa Five Year Summary

'Year	'Total Acres	'Yield	'Hours labor		'Cost per ton
			'Man	'Horse	
'1920	20	1.4	7	10	10.28
'1921	44	2.5	14½	19	5.69
'1922	61	2.1	10½	13½	6.35
'1923	76	2.7	12½	19½	5.37
'1924	115	2	11	14½	6.36

Tame Hay Five Year Summary

'Year	'Total Acres	'Yield	'Hours labor		'Cost per ton
			'Man	'Horse	
'1920	255	1.2	5½	8½	10.68
'1921	332	1.5	7	9	7.35
'1922	300	.9	5	7½	10.41
'1923	191	1.0	6	10	9.39
'1924	175	.9	5½	8½	11.94

FACTS ABOUT THE ORGANIZATION OF THE FARMS

	<u>1920</u>	<u>1921</u>	<u>1922</u>	<u>1923</u>	<u>1924</u>
Acres corn	58	51	67	52	54
Acres small grain	46	49	62	49	47
Acres alfalfa	1	2	3	3	6
Acres tame hay	12	15	14	10	10
Acres wild hay	7	13	6	6	6
Acres miscellaneous crops	2	-	-	2	2
Total Crop Acres per Farm	126	130	152	122	125
Acres in pasture	42	41	36	37	37
Acres in farmstead, orchard and garden	5	6	6	6	6
Acres in lanes, woods and waste	4	6	4	3	4
Total Acres per Farm	177	183	198	168	172
Total hours man labor per farm	5906	5572	6261	5464	5400
Hours of hired labor per farm	947	748	1408	553	792
Hours of unpaid labor per farm	1912	1464	1526	1506	1425
Hours of proprietor labor per farm	3047	3360	3327	3405	3183
Hours of proprietor labor per farm per week day	9.8	10.1	10.0	10.2	9.6
Hours of proprietor labor per farm per Sunday	3.4	4.6	4.5	4.7	4.5
Average cost of man labor per hour	35¢	21¢	19¢	21¢	21¢
Average number of work horses per farm	6.2	5.9	6.4	5.8	5.9
Number of crop acres per horse	21	22½	23½	21	21½
Hours of labor per horse per year	853	830	814	764	688
Cost of horse work per hour	20¢	10½¢	8½¢	9¢	11½¢
Lbs. pork produced per farm	9917	13176	13313	11075	14190