



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.*

#12

Report 12
1925PRELIMINARY REPORT OF ASKOV STATISTICAL ROUTE - 1925*Facts About the Organization of the Farms

	29 Farms		
	Average	Lowest	Highest
Acres tame hay	13.2	.6	31.0
Acres wild hay	11.0	0	45.0
Acres other hay	1.1	0	6.7
Acres corn	7.7	0	15.9
Acres small grain	12.4	2.5	24.1
Acres rutabagas	4.2	.5	12.3
Acres potatoes	3.5	.5	10.6
Acres miscellaneous crops	.2	0	2.0
TOTAL CROP ACRES PER FARM	53.3	13.3	123.1
Acres pasture	37.3	2.5	109.0
Acres farmstead	2.1	.7	3.4
Acres lanes, headland, waste, road	4.6	1.1	12.4
Acres in brush(not pasture)	11.2	0	122.4
TOTAL ACRES PER FARM	108.5	46.0	212.6
Total hours of man labor per farm	6550	4014	12213
Hours of hired labor per farm	219	0	1430
Hours of unpaid family labor per farm	3024	256	9039
Hours of proprietor labor per farm	3307	847	3948
Hours of proprietor labor per week day	10.0	7.7	11.8
Hours of proprietor labor per Sunday	4.5	3.1	5.9
Average number of work horses per farm	3.2	1.7	5.0
Number of crop acres per horse	15.3	8.8	26.1
Hours of labor per horse per year	837	591	1145
Cost of horse labor per hour	10.5	6.4	20.7
Number of cows milked per farm	11	4	21
Pounds of butterfat sold annually per farm	2685	801	4080

*All figures in this publication are preliminary figures and are subject to correction later.

FINANCIAL STATEMENT

Average per Farm - Askov 1925

<u>INVESTMENT</u>	January 1, 1925	December 31, 1925
Land	\$5925.00	\$6046.00
Buildings	4567.00	4589.00
Work stock	279.00	269.00
Productive livestock	1044.00	1151.00
Machinery and equipment	701.00	701.00
Auto	218.00	231.00
Feeds and supplies	<u>813.00</u>	<u>993.00</u>
Total	13547.00	13980.00
Increase		433.00

<u>CASH FARM RECEIPTS</u>	
Dairy products	1234.00
Cattle	188.00
Swine	158.00
Poultry	224.00
Horses	16.00
Crops	695.00
Outside labor	77.00
Miscellaneous	<u>156.00</u>
Total	2748.00

<u>CASH FARM EXPENSES</u>	
Labor	61.00
Feed	375.00
Crop expense	106.00
Livestock purchases	143.00
Other livestock expenses	26.00
Real estate	314.00
Machinery and equipment	147.00
Auto	116.00
Gas, oils, etc.	64.00
Taxes	173.00
Interest	273.00
Insurance	26.00
Rent	9.00
Miscellaneous	<u>34.00</u>
Total	1867.00

Excess cash receipts over expenses	381.00
Increase inventory	<u>433.00</u>
Farm income	1314.00

Estimated house rent 12% house value	272.00	
Value of farm products used in house	<u>198.00</u>	<u>470.00</u>
Earnings of family and unpaid capital		1784.00
Interest on investment at 6%	326.00	
Minus interest paid in cash	<u>273.00</u>	<u>553.00</u>
Family earnings		1231.00

FACTS ABOUT THE DAIRY ENTERPRISE
(Average per cow of 273 farms)

<u>FEED</u>	Amount	Value	
Dry roughage	3611	19.98	
Succulent feed	7527	18.14	
Grain	675	12.15	
Commerical feeds	411	6.76	
Oilmeal	155	4.09	
Pasture	150	<u>5.11</u>	
Total feed cost			67.23
 <u>LABOR</u>			
Man hours	230	45.98	
Horse hours	8	<u>.86</u>	46.84
 <u>OTHER COSTS</u>			
Shelter		11.41	
Equipment		2.69	
Interest		3.82	
Cash		.53	
Depreciation		<u>.60</u>	19.05
Total cost			133.12
 <u>CREDITS</u>			
Skim milk		13.21	
Manure		<u>11.09</u>	24.30
Net cost of butterfat			108.82

	Average	Lowest	Highest
Pounds of butterfat per cow	246	176	320
Feed cost per pound of B.F.(cents)	27.3	22.2	40.3
Total cost per pound of B.F.(cents)	44.2	29.4	71.2
Average selling price per pound(cents)	49.8	47.7	50.8
Return per hour of man labor(cents)	26.0	5.4	56.1
Return over cost of feed	31.34	32.18	120.93
Net return	13.80	-36.50	66.99

SUMMARY OF YOUNG CATTLE COSTS
(Average of 25 farms)

EXPENSES

Feed	249.59
Labor - man 257 hrs.	49.04
horse	.46
Shelter	53.44
Interest on investment	25.14
Purchases	49.75
Miscellaneous cash expenses	<u>3.23</u>

Total Expenses

420.65

CREDITS

Appreciation	5.00
Sales	110.68
Products used in house	13.01
Credits for heifers freshened	130.68
Miscellaneous cash receipts	3.27
Manure credit	<u>47.52</u>

Total Credits

310.16

Net Loss

110.49

SUMMARY OF COMBINED STATEMENTS OF ALL DAIRY CATTLE
(Average of 25 farms)

EXPENSES

Opening inventory	920.46
Purchases of stock	76.91
Feed	983.86
Labor - Man	550.54
Horse	9.84
Shelter	177.96
Equipment	29.35
Interest on investment	56.87
Cash	<u>9.05</u>

Total Expenses

2814.84

CREDITS

Closing inventory	974.66
Sales of cattle	209.71
Meat used in house	16.04
Sales of dairy products	1249.61
Dairy products used in house	81.55
Misc. cash receipts	3.27
Manure credit	168.55
Products fed to livestock	<u>150.58</u>

Total Credits

2853.97

Net Gain

39.13

Return per hour of man labor

20¢

COST OF PORK PRODUCTION
(Average cost of producing 100 lbs. on 24 farms)

<u>FEED</u>	Amount	Value	
Grain	160	3.01	
Commerical feeds	69	1.13	
Potatoes & rutabagas	165	3.29	
Skimmi lk	1364	3.27	
Pasture		<u>.17</u>	
Total Feed Cost			8.08
<u>LABOR</u>			
8.8 man hours		1.77	
.5 horse hours		<u>.04</u>	1.81
<u>OTHER COSTS</u>			
Shelter & equipment		.64	
Interest		.28	
Cash		<u>.03</u>	<u>.95</u>
Total Cost			10.34
<u>CREDITS</u>			
Manure		.42	
Cash		<u>.02</u>	
Total Credit			<u>.44</u>
Net cost of 100 lbs. of pork			10.40
Average selling price			11.26
	Average	Lowest	Highest
Cost per 100 lbs.	10.40	7.04	15.27
Amount received for 100 lbs. skimmi lk	.30	.00	.95
Pork production per farm	1266	0	4638

FACTS ABOUT THE FOWNTRY ENTERPRISE
(23 flocks averaging 80 hens)

COSTS

Feed	\$167.03	
Labor	67.71	
Shelter	20.13	
Equipment	4.61	
Interest	5.62	
Cash - Purchases	26.78	
Other	<u>4.24</u>	
Total Costs		296.12

CREDITS

Sales - Eggs	221.92	
Poultry	32.31	
Used in house - Eggs	24.95	
Poultry	10.13	
Appreciation	23.84	
Manure	<u>5.69</u>	
Total Credits		318.84

Net Return 22.72

	Per Flock	Per Hen
Eggs laid	10341	129
Pounds of grains fed	1682	21
Pounds of commercial feeds fed	4438	55
Pounds of protein feeds (purchased)	94	1
Pounds of succulent feed	1164	15
Pounds of skim milk	3718	46
Pounds of cheese	1006	13
Labor - Man hours	335	4
Horse hours	5 $\frac{1}{2}$	-
Cost per dozen eggs		26.6¢
Average selling price		29.3¢
Return per hour of man labor		26.8¢

RETURNS FROM RUTABAGAS PER ACRE

(Average of 122 Acres)

	Total		Range
Man hours	89 $\frac{1}{2}$	42 $\frac{1}{2}$	- 194
Horse hours	55	19	- 119
Tractor hours	1 $\frac{1}{2}$	0	- 8
Labor cost	\$28.94	\$19.18	- \$60.37
Seed cost	.50	.29	- .89
Manure and fertilizer	7.24	1.76	- 23.15
Machinery	1.15	1.15	- 1.15
Land charge	5.00	5.00	- 5.00
Total cost	<u>\$42.83</u>	\$29.42	- \$78.68
Credit for culls	1.65	.00	- 10.25
Net cost	<u>\$41.18</u>	\$29.42	- \$78.68
Yield, tons	7.8	1.7	12.2
Cost per ton	\$5.24	\$2.38	\$15.25
Average price received for rutabagas sold			11.61

Price per ton	34	\$8	\$12	\$16	\$20
Return per man hour	14¢	49¢	84¢	118¢	153¢

RETURNS FROM OATS PER ACRE
(Average of 301 Acres)

	Total	Range			
Man hours	15 $\frac{1}{2}$	9	-	-	21
Horse hours	26	15	-	-	40
Tractor hours	-	0	-	-	1
Labor cost	\$6.61	4.08	-	-	9.12
Seed cost	2.19	1.29	-	-	3.23
Twine cost	.39	.24	-	-	.62
Manure charge	3.92	.79	-	-	8.92
Threshing cost	1.84	.83	-	-	2.47
Machine charge	1.00	1.00	-	-	1.00
Land charge	5.00	5.00	-	-	5.00
Total Cost	\$20.96	16.02	-	-	27.29
Credit for hay	1.58	.00	-	-	7.20
Net Cost	\$19.22	12.42	-	-	26.27
Yield, bushels	53	24	-	-	71
Cost per bushel	36¢	26¢	-	-	52¢
Price per bushel	30¢	35¢	40¢	45¢	50¢
Return per man hour	4¢	21¢	38¢	55¢	72¢

COST OF SILAGE PER ACRE
(Average of 197 Acres)

	Total	Range			
Man hours	36	20	-	-	72 $\frac{1}{2}$
Horse hours	57	37 $\frac{1}{2}$	-	-	89
Tractor hours	$\frac{1}{2}$	0	-	-	3 $\frac{1}{2}$
Labor cost	\$15.05	\$10.64	-	-	\$29.83
Seed cost	1.44	.83	-	-	2.08
Twine cost	.53	.00	-	-	.82
Manure and fertilizer	7.46	3.51	-	-	16.11
Filling cost	2.44	.00	-	-	5.40
Machine	2.21	1.15	-	-	3.00
Land charge	5.00	5.00	-	-	5.00
Total Cost	\$34.13	\$24.03	-	-	\$43.80
Credit for fodder	1.91	.00	-	-	7.20
Net Cost	\$32.22	\$22.83	-	-	\$41.10
Yield, tons	6.6	4.0	-	-	10.7
Cost per ton	\$4.87	\$3.61	-	-	\$6.55
Price per ton	\$3.50	\$4.00	\$4.50	\$5.00	\$5.50
Return per man hour	0¢	9¢	13¢	27¢	36¢

RETURNS FROM TAMP HAY PER ACRE
(Average of 423½ Acres)

	Total	Range			
Man hours	8½	4	-	14	
Horse hours	10½	5	-	20	
Labor cost	\$3.14	1.56	-	5.43	
Seed cost	1.00	1.00	-	1.00	
Threshing	.01	.00	-	.26	
Manure	3.02	.88	-	7.37	
Machinery charge	.90	.90	-	.90	
Land charge	5.00	5.00	-	5.00	
Total Cost	\$13.07	\$10.43	-	\$18.72	
Seed credit	.06	.00	-	2.55	
Net Cost	\$13.01	\$10.43	-	\$18.72	
Yield, tons	1.5	.8	-	2.5	
Cost per ton	\$8.82	\$6.77	-	\$18.85	
Price per ton	\$8.00	\$9.00	\$10.00	\$11.00	\$12.00
Return per man hour	13¢	31¢	48¢	65¢	84¢

RETURNS FROM WILD HAY
(Average of 240 Acres)

	Total	Range			
Man hours	8	2½	-	12	
Horse hours	9½	3½	-	14½	
Labor cost	\$2.90	\$1.15	-	\$4.29	
Machine charge	.90	.90	-	.90	
Land charge	2.50	2.50	-	2.50	
Total Cost	\$6.30	\$4.55	-	\$7.69	
Yield, tons	.9	.4	-	1.5	
Cost per ton	\$7.00	\$4.91	-	\$14.55	
Price per ton	\$6.00	\$7.00	\$8.00	\$9.00	\$10.00
Return per man hour	14¢	25¢	36¢	47¢	59¢