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UNIVERSITY OF MINNESOTA
Department of Agriculture
and
UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Cooperating

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A Preliminary Report
of
COST OF CROP PRODUCTION
From
Data Secured in 1933
on the
FARM ACCOUNTING ROUTE
In
STEVENS COUNTY, MINNESOTA

By

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Mimeographed Report No. 61
Division of Agricultural Economics
University Farm
St. Paul, Minnesota
February 1934

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SOURCE OF DATA

Method of Study

On March 1, 1932 an accounting study of the organization and operation of 24 farms in Stevens County was started under the joint supervision of the Division of Agricultural Economics of the University of Minnesota, the West Central Agricultural Experiment Station, and the Bureau of Agricultural Economics of the United States Department of Agriculture. The farms were selected in cooperation with the county agricultural agent, Mr. Frank Douglass, and Mr. Allen W. Edson of the West Central Agricultural Experiment Station. Farms that were representative of the area were chosen. The farmers cooperating in this study keep a complete record of cash receipts and cash expenditures, a daily record of the labor used on each crop and class of livestock, a record of the farm produce used in the house, and other detailed information regarding the farm business. These records are checked at least twice per month by the route man and supplemented with inventories, livestock feed records, reports of crop yields and practices and other significant facts about the farm operations. The data collected are sent to the central office at University Farm, St. Paul, where a detailed set of records for each farm is kept. From these records, this report on crop costs and returns for 1933 was prepared.

Description of the Area

Stevens County lies in the west central portion of the state. The topography is for the most part flat to gently rolling. The soil material in most of the county is high in lime and very productive if well drained. The growing season approximates 133 days and the average annual rainfall is about 24 inches, two-thirds of which comes in the growing season. A mixed type of farming prevails. Corn, oats, barley, wheat, flaxseed and some rye are grown. Alfalfa and wild hay are the principal hay crops. Sweet clover is grown for both pasture and hay. Beef cattle, dairy cattle, hogs and poultry are found throughout the county. Recently, the raising of turkeys has become an important enterprise on many farms.

Description of the Farms

The average size of the farms studied in 1933 was 346 acres. This is approximately 33 per cent larger than the average for the county as given in the 1930 census. However, according to the 1930 census, more farms in Stevens County

fell within the group of from 260 to 499 acres than in any other of the census size classifications. Approximately 88 per cent of the farm area was in crops for harvesting. Approximately 48 per cent of the crop land in the farms studied was in oats, wheat and barley, 26 per cent in corn, 15 per cent in hay and 10 per cent in flax. According to the 1930 census, 47 per cent of the crop acreage in farms in Stevens County was in oats, wheat and barley, 23 per cent in corn, 14 per cent in hay and 3 per cent in flax.

1933 Crop Season

The year 1933 was one of severe drouth in Stevens County. Less than two-thirds of the normal amount of rainfall was received during the year (see Table 1). The shortage of moisture in 1933 was more severe in its consequences as a result of the shortage in both 1931 and 1932. The southern part of the county suffered considerably more than the northern part. The temperatures

Table 1

Normal Rainfall and Departure from Normal Rainfall, in Inches, at Morris, Minnesota*

Year	Jan.	April	May	June	July	Aug.	Sept.	Oct.	Annual
	Feb. Mar.							Nov. Dec.	
Normal	2.35	2.27	2.98	3.95	3.76	2.84	2.37	3.08	23.60
	<u>Departure from Normal in Inches[†]</u>								
1931	-.58	-1.66	-1.01	-1.12	-1.38	+.38	-1.15	+2.14	-4.38
1932	+.35	-.97	-.03	-1.97	-.44	+.09	-1.74	+.81	-3.90
1933	+.14	-1.18	-.11	-1.16	-2.54	-.42	-.98	-2.04	-8.29

*Data from reports of the United States Weather Bureau.

†A minus (-) indicates a rainfall below normal. A plus (+) indicates a rainfall greater than normal.

during the summer months of 1933 were also much higher (averaging over 9 degrees higher in June) than normal.

As a result of the high temperatures and the shortage of moisture, crop failure was extensive. The average abandonment on the farms studied varied from 12 per cent in the case of flax to 33 per cent for wheat (see Table 2). As a

Table 2

Utilization of Crops Seeded to be Harvested as Grain, 1933

Crop	Percentage Utilization of Seeded Acreage			
	Harvested as grain	Cut for hay	Pastured	Abandoned
Wheat	64	3	-	33
Oats	62	17	3	18
Barley	73	2	4	21
Oats and barley	74	-	-	26
Oats and wheat	77	7	-	16
Flax	87	-	1	12

result of the impending shortage of feed, crops were harvested which under ordinary conditions would have been abandoned. Wherever possible, the acreage that could not be cut for grain was either cut for hay or was pastured. The severity of the drouth is further indicated by the production on the acreage that was harvested for grain (see Table 3). The average yield per acre harvested is given for Stevens County and also for the farms which are cooperating in this study.

Table 3

Yield of Specified Crops per Acre Harvested
Stevens County

Crop	1933		1932		County* average 1923-32
	Route	Farms	County*	Route farms	
Spring wheat, bu.	5.4		12	13.5	12.4
Oats, bu.	11.1		31	45.2	32.8
Barley, bu.	7.5		22	25.6	25.6
Flax, bu.	3.2		7	7.8	8.5
Corn, bu.	8.9		27	28.8	28.1

*County data obtained from annual reports of the State Department of Agriculture. Data for 1933 were not available.

METHODS OF COMPUTING AND PRESENTING DATA

The comparative cost and return for 1933 for each of the ten principal crops grown on these farms is presented on page 7 and following. Averages for 1932 are also shown. The data for 1933 are based upon the harvested acreage in order that they will be comparable with the data for 1932. Only the costs actually incurred on the harvested acreage are included. The costs presented are relative rather than absolute costs. Since many of the cost items, such as the farmer's own labor and the use of his own land, machinery and equipment, do not represent actual current "out-of-pocket" cash expense, it was necessary for purposes of comparison to estimate their value.

The factors of cost are charged at local prices. Man labor was charged at 15 cents per hour in both 1932 and 1933. This rate was based upon wages paid to hired men on these farms and includes an allowance for board. Horse work was charged at 5.3 cents per hour in 1932 and 5.5 cents in 1933. The use of two-plover tractors was charged at 65 and 50 cents per hour, three-plover at 80 and 65 cents, and four-plover at \$1.00 and 80 cents, respectively, in 1932 and 1933. The seed charge for hay is based on the cost of seeding divided by the expected life of the stand. Manure was charged at 25 cents per ton, plus the cost of hauling and spreading. Forty per cent of the total manure cost was charged against the crop on the land to which the manure was applied and the balance was prorated to the rest of the crops in the rotation on an acre basis. The machinery charge includes an allowance for depreciation, repairs, interest on the investment and shelter. It also includes the expense for any use of the truck or auto.

Uniform rates have been used for all crops so that comparisons may be made between different crops and different farms. A uniform charge for the use of land is used for each crop, since the varied rental systems on the different farms, including cash rented, share rented, and owned land, would tend to obscure these comparisons. All costs, except those for flax, were figured at the farm. Marketing charges for flax, when it was hauled direct to market at threshing time, have been included. The costs do not include any labor for hauling hay from the

stack nor fodder from the shock since hauling practices and size of loads vary so widely.

All crops have been valued at uniform December first farm prices, except as they vary in quality. The value of crops, such as silage, which have no regular market price was computed by comparing their feeding value with other crops, for which a local market price was available. Some farmers undoubtedly receive different prices and also have labor and machinery costs differing from those used. The reader, in interpreting these figures, must make such adjustments in the returns as are necessary to fit any individual case.

The costs are presented on the basis of one acre. The cost per bushel or per ton is also given. In the tables showing costs for the individual farms, the farms are arranged in order of cost per bushel or per ton, with the farm having the lowest cost appearing first. The relative profitableness of crop production is indicated by comparing the value of the crop produced with the cost. Needless to say, with the low yields, losses were almost universal.

In order to show the full effect of the drouth on the 1933 crop, the cost and return per acre for the grain crops were calculated on the basis of the acreage seeded instead of the acreage harvested (see Table 4). In arriving at

Table 4

Cost and Return per Seeded Acre of Specified Crops
Stevens County, 1933

	Oats	Barley	Wheat	Oats and wheat	Flax
Net cost	\$6.33	\$6.15	\$6.16	\$6.39	\$6.68
Yield, bu.	7.0	5.0	3.7	7.5	2.8
Cost per bu.	\$.90	\$1.23	\$1.66	\$.85	\$2.39
Crop value December 1	1.96	2.10	2.55	2.62	4.17
Crop value less cost*	-4.37	-4.05	-3.61	-3.77	-2.51

*A minus (-) indicates a cost greater than the value of the crop.

the net cost, the total cost incurred on the entire acreage seeded was calculated and the value of any hay produced was deducted. The net cost was divided by the number of acres seeded in order to reduce it to an acre basis. The average yield was obtained by dividing the total yield of grain by the entire acreage that was seeded to be harvested for grain.

MAN LABOR USED IN PERFORMING CROP OPERATIONS

The data from these farms show a wide variation in the efficiency with which labor is used in crop production. The average amount of man labor used per acre in 1932 and 1933 in performing the different crop operations with varying size of power units is shown on pages 5 and 6. The range in the amounts used in 1933 is also presented. Columns are provided for recording the amounts used by the individual cooperator. By comparing the amounts of labor he is using with the amounts other farmers use, a farmer can see the relative efficiency with which he is using his supply of labor. Any increase in the efficiency with which labor is used should result in reduced cost and increased income.

SUMMARY OF HOURS OF MAN LABOR USED PER ACRE IN PERFORMING CROP OPERATIONS

Operation	1933			1932		
	Your farm	All Farms		Your farm	All farms	
		Average	High			Low
Seedbed preparation:						
Plowing:						
4 horses	_____	2.3	2.8	1.8	_____	2.2
5 horses	_____	2.0	2.4	1.7	_____	2.4
2-pow tractor	_____	1.4	1.9	1.0	_____	1.4
3-pow tractor	_____	.9	1.1	.8	_____	.8
Disking:						
4 horses	_____	.56	.80	.44	_____	.54
2-pow tractor	_____	.25	.33	.17	_____	.22
3-pow tractor	_____	.20	.29	.13	_____	.16
Harrowing:						
4 horses	_____	.24	.43	.16	_____	.24
6 horses	_____	.18	.25	.15	_____	.21
2-pow tractor	_____	.16	.24	.11	_____	-
3-pow tractor	_____	.18	.24	.14	_____	-
Seeding and harvesting grain:						
Drilling:						
4 horses	_____	.46	.57	.37	_____	.52
2-pow tractor	_____	.25	.33	.18	_____	.31
Broadcasting:						
2 horses	_____	.53	.73	.40	_____	.24
Oats:						
Cutting:						
4 horses	_____	.8	1.3	.5	_____	.8
2-pow tractor	_____	.8	2.0	.4	_____	.5
Shocking	_____	.6	1.1	.2	_____	1.0
Threshing:						
Man hours	_____	1.2	2.1	.7	_____	1.6
Horse hours	_____	2.3	4.1	1.4	_____	3.1
Barley:						
Cutting:						
4 horses	_____	.8	1.3	.5	_____	.8
2-pow tractor	_____	.8	1.4	.4	_____	.3
3-pow tractor	_____	.6	.9	.3	_____	-
Shocking	_____	.7	2.2	.2	_____	.9
Threshing:						
Man hours	_____	1.3	3.2	.4	_____	1.8
Horse hours	_____	2.6	6.3	.9	_____	3.4
Wheat:						
Cutting:						
4 horses	_____	.8	2.0	.4	_____	.8
2-pow tractor	_____	.7	1.0	.5	_____	.5
3-pow tractor	_____	.6	1.1	.4	_____	-
Shocking	_____	.5	1.0	.3	_____	.8
Threshing:						
Man hours	_____	1.1	2.3	.5	_____	1.6
Horse hours	_____	2.1	4.6	1.0	_____	2.8
Oats and wheat:						
Cutting:						
4 horses	_____	.7	.9	.4	_____	.7
2-pow tractor	_____	.6	.7	.6	_____	.5
Shocking	_____	.7	1.3	.3	_____	.8
Threshing:						
Man hours	_____	1.0	1.6	.6	_____	1.6
Horse hours	_____	2.0	3.1	1.1	_____	3.1

SUMMARY OF HOURS OF MAN LABOR USED PER ACRE IN PERFORMING CROP OPERATIONS

Operation	1933			1932		
	Your farm	All Farms		Your farm	All farms	
		Aver- age	High			Low
Flax:						
Cutting:						
Horses	_____	1.0	1.9	.4	_____	.9
2-plow tractor	_____	.7	1.2	.3	_____	.6
Shocking	_____	.6	1.6	.2	_____	.7
Threshing:						
Man hours	_____	1.5	4.9	.8	_____	1.9
Horse hours	_____	2.6	8.8	1.5	_____	3.5
Planting and harvesting corn:						
Planting:						
Horses	_____	.7	.9	.5	_____	.8
Tractor	_____	.3	.4	.3	_____	.3
Cultivating:						
1-row horses	_____	-	-	-	_____	-
2-row horses	_____	.6	.8	.5	_____	.8
2-row tractor	_____	.4	.5	.3	_____	.4
Cutting:						
3 horses	_____	1.5	2.1	1.0	_____	1.6
4 horses	_____	1.3	1.9	.7	_____	-
Shocking	_____	1.1	1.8	.5	_____	2.0
Filling silo:						
Man hours	_____	4.5	7.9	2.9	_____	5.8
Horse hours	_____	6.3	9.0	4.4	_____	8.4
Husking:						
Hand	_____	3.2	6.2	1.5	_____	6.0
Machine - tractor	_____	-	-	-	_____	2.8
Harvesting hay:						
Alfalfa:						
1st cutting:						
Mowing - 2 horses	_____	1.0	1.5	.4	_____	1.1
Raking - 2 horses	_____	.6	1.0	.3	_____	.6
Hauling to barn:						
Man hours	_____	1.6	3.7	.2	_____	2.2
Horse hours	_____	1.9	4.1	.4	_____	3.3
Stacking:						
Man hours	_____	-	-	-	_____	2.1
Horse hours	_____	-	-	-	_____	3.0
2nd cutting:						
Mowing - 2 horses	_____	.9	1.4	.6	_____	1.1
Raking - 2 horses	_____	.4	.6	.3	_____	.5
Hauling to barn:						
Man hours	_____	1.0	1.5	.4	_____	.8
Horse hours	_____	1.0	1.3	.9	_____	1.2
Stacking:						
Man hours	_____	-	-	-	_____	2.2
Horse hours	_____	-	-	-	_____	2.8
Wild hay:						
Mowing - 2 horses	_____	1.3	2.9	.6	_____	1.4
Raking - 2 horses	_____	.6	1.1	.3	_____	.6
Hauling to barn:						
Man hours	_____	2.2	4.2	.7	_____	3.0
Horse hours	_____	3.4	8.5	1.0	_____	4.7
Stacking:						
Man hours	_____	1.8	3.3	.6	_____	3.7
Horse hours	_____	1.2	2.0	.5	_____	4.6

Comparative Cost and Return per Acre for the Principal Crops Grown
Stevens County, 1932 and 1933

	Corn		Oats		Barley		Wheat		Oats & Wheat		Flax		Alfalfa		Hay		Wild		Fodder		Corn Silage		
	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933	
Number of farms	19	13	23	19	21	20	17	18	9	12	19	17	16	16	15	15	21	18	10	22	12	14	
Acres harvested per farm	57	25	59	33	42	31	43	34	35	23	33	34	16	16	17	20	21	15	17	37	20	29	
Hours:																							
Man labor	12.6	9.5	6.0	4.9	6.1	5.4	4.8	6.1	4.8	4.8	7.0	5.4	5.9	4.2	4.2	10.6	5.7	5.7	4.2	9.4	14.1	12.8	
Horse work	32.7	24.7	13.0	13.0	13.0	13.3	12.1	11.2	15.2	11.2	15.0	14.0	9.9	6.8	6.8	26.4	9.2	9.2	6.8	23.4	31.0	28.8	
Tractor work	1.2	.8	.7	.5	.7	.6	.9	.8	.3	.6	1.1	.6	-	-	-	1.0	-	-	-	1.5	1.3	1.0	
Costs:																							
Man labor	1.88	1.43	.90	.74	.91	.79	.85	.73	.91	.72	1.06	.81	.88	.63	.85	1.60	.85	.85	.64	1.41	2.12	1.92	
Horse and tractor	2.47	1.80	1.17	.97	1.14	1.10	1.19	1.10	.98	.94	1.47	1.09	.52	.37	.48	2.05	.48	.48	.38	1.78	2.46	2.16	
Seed	.18	.15	.72	.51	1.00	.54	.97	.68	.98	.67	.93	.89	.60	.60	-	.32	-	-	-	.18	.27	.17	
Twine	-	-	.17	.09	.17	.10	.15	.08	.18	.09	.15	.06	-	-	-	.26	-	-	-	.12	.23	.12	
Threshing	.24*	-	.87	.21	.75	.22	.68	.28	.85	.23	.66	.32	-	-	-	-	-	-	-	-	1.23*	1.14*	
Mamure	.71	.80	.40	.49	.53	.57	.29	.37	.33	.46	.43	.35	.54	.76	-	.67	-	-	-	.92	.69	1.00	
Machinery	1.05	1.06	.91	.90	.90	.90	.92	.90	.93	.90	1.01	.92	1.16	1.52	.70	1.65	1.52	.70	.70	1.65	1.65	1.65	
Operating costs	6.53	5.24	5.14	3.91	5.40	4.22	5.05	4.14	5.16	4.01	5.71	4.44	3.70	3.88	2.03	6.55	3.88	2.03	1.72	6.06	8.65	8.16	
Land charge	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.50	2.50	2.50	1.50	1.50	2.50	2.50	2.50	
Total costs	9.03	7.74	7.64	6.41	7.90	6.72	7.55	6.64	7.66	6.51	8.21	6.94	6.20	6.38	3.53	9.05	6.38	3.53	3.22	8.56	11.15	10.66	
Yield, bu. or ton	28.8	8.9	45.2	11.1	25.6	7.5	13.5	5.4	34.0†	9.3†	7.8	3.2	.9	.5	.9	1.7	.5	.9	.5	.8	5.0	3.9	
Cost per bu. or ton	.31	.87	.17	.58	.31	.90	.56	1.23	.23	.70	1.05	2.17	6.89	12.76	3.92	6.44	12.76	3.92	6.44	10.70	2.23	2.73	
December 1 price	.12	.38	.08	.28	.19	.42	.36	.69	.16	.35	.79	1.49	6.00	6.50	2.66	2.70	6.50	2.66	2.70	3.25	2.00	2.25	
Crop value	3.46	3.38	3.62	3.11	4.86	3.15	4.86	3.73	5.44	3.26	6.08	4.77	5.40	3.25	2.39	5.10	3.25	2.39	1.35	2.60	10.00	8.78	
Value less cost‡	-5.57	-4.36	-4.02	-3.30	-3.04	-3.57	-2.69	-2.91	-2.22	-3.25	-2.13	-2.17	-.80	-3.13	-1.14	-3.95	-3.13	-1.14	-1.87	-5.96	-1.15	-1.88	

*Charge for mechanical husker. Mechanical huskers were not used in 1933.

†Charge for the use of the ensilage cutter.

‡At 40 pounds per bushel.

‡A minus (-) indicates a cost greater than the value of the crop.

Cost and Return per Acre of Husked Corn
Stevens County, 1933

Farm No.	Hours				Costs				Yield, Cost per bu. value*								
	Before Harvest		Harvesting		Man Horse & Seed Husker tractor	Manure	Machinery	Land Total									
	Man Horse	Tractor	Man Horse	Tractor						bu.	per bu.	Crop					
226	4.9	17.9	.8	5.4	10.3	10.3	28.2	.8	\$1.55	\$2.07	\$.11	-.74	\$1.05	\$2.50	18.4	\$.144	\$6.92
117	9.4	29.8	-	3.5	5.8	12.9	35.6	-	1.93	1.96	.12	-.30	1.05	2.50	17.4	.45	6.61
215	4.3	11.6	1.1	1.5	3.1	5.8	14.7	1.1	.87	1.50	.19	-.93	1.05	2.50	14.2	.50	5.40
018	6.9	23.7	-	6.2	9.5	13.1	33.2	-	1.96	1.83	.15	-.38	1.05	2.50	12.9	.69	4.90
129	7.7	27.1	-	2.6	5.1	10.3	32.2	-	1.54	1.77	.15	-.44	1.05	2.50	10.8	.78	4.10
028	9.0	25.9	-	5.0	9.6	14.0	35.5	-	2.10	1.95	.15	-.00	1.05	2.50	12.4	.79	4.71
124	3.5	5.3	2.3	2.1	2.7	5.6	8.0	2.3	.84	1.62	.19	-.18	1.14	2.50	5.1	1.27	1.94
038	6.0	21.5	.3	1.7	3.4	7.7	24.9	.3	1.16	1.59	.13	-.28	1.05	2.50	4.3	1.56	1.63
119	7.6	24.1	1.1	2.3	3.9	9.9	28.0	1.1	1.49	2.11	.14	-.38	1.05	2.50	4.8	1.60	1.82
114	3.6	1.1	3.1	1.9	3.6	5.5	4.7	3.1	.81	2.11	.12	-.53	1.05	2.50	5.0	1.62	1.90
214	5.2	11.6	1.6	2.8	2.7	8.0	14.3	1.6	1.20	1.57	.15	-.21	1.05	2.50	3.9	1.71	1.48
212	7.0	27.3	-	4.2	4.2	11.2	31.5	-	1.68	1.73	.14	-.38	1.05	2.50	3.0	2.49	1.14
236	8.9	28.6	-	.7	1.4	9.6	30.0	-	1.44	1.65	.18	-.69	1.05	2.50	2.9	2.59	1.10
Average	6.4	19.7	.8	3.1	5.0	9.5	24.7	.8	1.43	1.80	.15	-.80	1.06	2.50	8.9	.87	3.38
1933	7.2	22.3	.9	5.4	10.4	12.6	32.7	1.2*	1.88	2.47	.18	.71	1.05	2.50	28.8	.31	3.46

*At December 1 price of \$.38 per bushel in 1933 and \$.12 in 1932.

*Includes .3 tractor hour used in harvesting.

Cost and Return per Acre of Oats
Stevens County, 1933

Farm no.	Hours				Costs				Yield, Cost Crop								
	Before Harvest		Harvesting		Man labor	Horse tractor	Seed & Twine	Threshing	Manure	Machinery	Land Total	bu.	per value* bu.				
	Man	Horse	Man	Horse													
222	2.8	15.3	3.7	8.6	-	\$.98	\$1.32	\$.50	\$.12	\$.58	\$.40	\$2.50	\$7.30	29.0	\$.25	\$8.12	
129	2.0	8.0	3.4	6.3	-	.82	.79	.56	.17	.38	.75	2.50	6.87	19.3	.36	5.40	
215	1.4	2.8	2.5	5.3	.7	.58	.89	.45	.08	.30	.70	2.50	6.40	15.2	.43	4.26	
226	1.4	6.2	2.4	2.3	.4	.56	.82	.53	.08	.27	.22	2.50	5.88	13.3	.44	3.72	
028	3.5	16.8	2.5	5.2	-	.90	1.21	.40	.08	.27	.28	2.50	6.54	14.9	.44	4.17	
117	3.2	13.6	2.3	5.2	-	.82	1.03	.48	.08	.22	.30	2.50	6.33	12.6	.50	3.53	
038	2.5	10.3	2.0	3.7	.5	.68	1.07	.56	.08	.25	.25	2.50	6.29	12.4	.51	3.47	
212	2.4	10.8	2.6	5.3	-	.75	.89	.72	.07	.25	.38	2.50	6.46	12.7	.51	3.56	
234	1.3	1.5	3.3	3.2	.4	.69	1.10	.38	.10	.23	-	2.50	5.90	10.2	.58	2.86	
214	7	1.5	4	1.7	.9	.36	.62	.54	.07	.18	-	2.50	5.17	8.8	.59	2.46	
018	1.4	5.7	2.2	4.2	-	.54	.54	.57	.07	.20	.68	2.50	6.00	10.6	.60	2.80	
119	1.3	2.3	2.5	2.2	1.0	.57	.76	.41	.10	.24	.83	2.50	6.31	9.6	.66	2.69	
014	1.1	3.9	1.1	5.1	.1	.45	.59	.54	.08	.10	.07	2.50	5.23	5.1	1.02	1.43	
224	2.2	5.2	1.1	3.3	1.5	.78	1.32	.33	.06	.13	-	2.50	6.02	5.8	1.04	1.62	
127	3.3	12.9	5.0	10.0	-	1.24	1.26	.46	.09	.11	.47	2.50	7.03	5.7	1.23	1.60	
236	5.2	16.5	2.6	5.9	-	1.18	1.23	.62	.09	.11	1.94	2.50	8.57	5.6	1.53	1.57	
116	1.9	8.7	3.1	5.9	-	.75	.81	.53	.08	.08	.99	2.50	6.64	4.0	1.66	1.12	
114	1.2	2.3	1.5	2.0	1.1	.41	.80	.55	.08	.07	.76	2.50	6.07	3.6	1.69	1.01	
124	3.0	13.4	3.5	3.0	.7	.98	1.46	.54	.12	.04	.26	2.50	6.80	2.0	3.40	.56	
Average																	
1933	2.2	8.3	3	4.7	.2	.74	.97	.51	.09	.21	.49	2.50	6.41	11.1	.58	3.11	
1932	2.3	7.4	3.6	5.6	.1	.90	1.17	.72	.17	.87	.40	2.50	7.64	45.2	.17	3.62	

*At December 1 price of \$.28 per bushel in 1933 and \$.08 in 1932.

Cost and Return per Acre of Barley
Stevens County, 1933

Farm no.	Hours				Costs				Yield, Cost Crop										
	Before Harvest		Harvesting		Total		Man Horse & Seed		Threshing		Land Total		per value*						
	Man Horse	Trac-	Man Horse	Trac-	Man Horse	Trac-	Man Horse	Trac-	Man Horse	Trac-	Man Horse	Trac-	bu.	bu.					
117	2.4	6.0	.9	2.9	5.9	11.9	.9	\$.79	\$1.08	\$.50	\$.10	\$.35	\$.30	\$.90	\$2.50	\$6.52	13.3	\$.49	\$5.59
119	2.8	14.6	.1	6.4	5.7	20.3	1.5	1.39	1.87	.50	.13	.52	.81	.90	2.50	8.62	17.3	.50	7.27
038	1.4	5.5	-	2.5	3.6	9.1	.4	.58	.73	.51	.12	.32	.25	.90	2.50	5.91	10.8	.55	4.54
017	.7	-	.6	2.0	1.7	1.7	1.0	.40	.68	.58	.11	.34	.60	.90	2.50	6.11	10.5	.58	4.41
222	1.7	7.5	-	3.6	6.9	14.4	-	.80	.80	.60	.16	.34	.73	.90	2.50	6.83	11.3	.60	4.75
224	1.1	1.7	.7	3.5	3.6	5.3	1.2	.68	.88	.46	.10	.26	.30	.90	2.50	6.08	8.5	.72	3.57
019	.6	-	.6	1.7	2.1	2.1	.9	.05	.74	.41	.07	.18	.06	.90	2.50	4.91	6.4	.77	2.69
236	1.7	5.8	-	3.0	5.4	11.2	-	.70	.62	.62	.11	.23	.60	.90	2.50	6.28	7.7	.81	3.23
234	.6	.9	.4	3.7	3.2	4.1	.8	.65	.65	.43	.08	.24	1.10	.90	2.50	6.55	7.9	.83	3.32
127	3.9	15.3	-	8.7	20.6	35.9	-	1.89	1.97	.93	.14	.31	.51	.90	2.50	9.15	10.4	.88	4.37
028	3.5	17.4	-	2.7	5.8	23.2	-	.93	1.28	.52	.04	.20	.39	.90	2.50	6.76	6.9	.98	2.90
226	1.7	5.8	.5	2.2	1.9	7.7	1.0	.59	1.07	.53	.07	.19	.45	.90	2.50	6.29	6.2	1.01	2.60
124	1.5	4.8	.6	3.0	2.9	7.7	1.1	.68	.97	.70	.07	.18	.26	.90	2.50	6.26	5.9	1.06	2.48
215	1.7	3.5	.7	2.4	4.4	7.9	.7	.61	.88	.48	.15	.17	.70	.90	2.50	6.39	5.8	1.10	2.44
014	1.4	4.4	.4	3.8	14.8	19.2	.4	.79	1.33	.58	.12	.19	.53	.90	2.50	6.94	6.3	1.10	2.65
114	1.2	2.4	.6	3.1	4.1	6.5	1.1	.65	.90	.43	.14	.14	.76	.91	2.50	6.43	4.5	1.43	1.89
018	3.4	15.7	-	1.4	3.0	18.7	-	.72	1.03	.47	.05	.10	1.22	.90	2.50	6.99	3.5	2.00	1.47
024	2.0	3.4	1.1	2.8	1.5	4.9	1.9	.73	1.51	.51	.06	.07	.52	.90	2.50	6.80	2.5	2.72	1.05
212	3.0	14.1	-	2.8	4.8	18.9	-	.87	1.04	.52	.06	.08	.38	.90	2.50	6.35	2.2	2.88	.92
116	3.3	14.5	-	5.4	20.2	34.7	-	1.30	1.91	.48	.05	.06	.99	.90	2.50	8.19	2.1	3.90	.88
Average																			
1933	2.0	7.2	.3	3.4	6.1	13.3	.6	.79	1.10	.54	.10	.22	.57	.90	2.50	6.72	7.5	.90	3.15
1932	2.2	7.1	.5	3.9	5.9	13.0	.7	.91	1.14	1.00	.17	.75	.53	.90	2.50	7.90	25.6	.31	4.86

*At December 1 price of \$.42 per bushel in 1933 and \$.19 in 1932.

Cost and Return per Acre of Wheat
Stevens County, 1933

Farm no.	Hours				Costs				Yield Cost Crop									
	Before Harvest		Harvesting		Total	Man Horse Tractor	Man Horse labor tractor	Horse & Seed Twine Threshing	Man-Mach-ure inery	Land Total	bu.	per value* bu.						
	Man Horse Tractor	Man Horse Tractor	Man Horse Tractor	Man Horse Tractor														
124	.8	2.6	3.0	.3	3.4	3.0	1.1	\$.51	\$.70	\$.05	\$.43	\$.26	\$.90	\$2.50	\$6.05	10.0	\$.61	\$6.90
038	2.0	6.5	2.3	.3	3.9	8.8	.9	.58	1.05	.08	.65	.24	.90	2.50	6.38	7.6	.84	5.24
216	2.7	9.4	5.7	-	7.5	15.1	-	1.12	.83	.07	1.04	.53	.90	2.50	7.40	8.2	.90	5.66
028	3.6	17.5	5.3	-	6.1	22.8	-	.92	1.25	.09	.75	.39	.90	2.50	7.15	7.5	.95	5.18
017	1.4	1.4	1.8	.5	3.5	1.8	1.9	.53	1.20	.09	.84	.66	.90	2.50	7.08	7.2	.98	4.97
119	2.4	9.0	1.8	.6	5.0	10.8	1.2	.75	1.20	.08	.79	.32	.90	2.50	6.54	6.4	1.02	4.42
117	3.1	13.1	4.7	-	5.2	17.8	-	.78	.98	.07	.55	.27	.90	2.50	6.29	5.6	1.12	3.86
215	1.3	2.4	4.8	-	3.6	7.2	.7	.54	.82	.12	.67	.70	.90	2.50	6.53	5.7	1.15	3.93
214	1.2	2.0	3.8	.2	3.6	5.8	1.0	.54	.79	.06	.72	.35	.91	2.50	6.11	5.1	1.20	3.52
226	1.9	7.2	1.9	.5	4.1	9.1	.9	.62	1.09	.08	.63	.22	.90	2.50	6.26	4.4	1.42	3.04
114	1.6	2.2	5.3	.5	5.3	7.5	1.5	.80	1.18	.02	.75	.77	.90	2.50	7.17	5.0	1.43	3.45
224	2.0	4.9	3.5	.4	5.2	8.4	1.4	.78	1.27	.08	.71	.23	.90	2.50	6.47	4.4	1.47	3.04
024	1.9	3.8	1.0	1.5	4.2	4.8	2.5	.63	1.89	.07	.70	.22	.90	2.50	6.91	4.5	1.54	3.11
014	2.9	10.0	11.2	-	7.0	21.2	.4	1.05	1.41	.12	.75	.27	.90	2.50	7.22	4.5	1.60	3.11
212	2.6	11.1	5.7	-	5.2	16.8	-	.78	.92	.07	.70	.38	.90	2.50	6.42	3.1	2.07	2.14
018	3.2	14.6	3.6	-	4.9	18.2	-	.74	1.00	.06	.73	.68	.90	2.50	6.77	3.2	2.12	2.21
236	3.9	13.8	6.3	-	6.9	20.1	-	1.04	1.11	.08	.47	.93	.90	2.50	7.20	3.4	2.12	2.35
019	1.2	1.2	1.7	.4	2.7	1.7	1.6	.40	1.12	.06	.43	.05	.90	2.50	5.53	1.4	3.95	.97

Average
1933 2.2 7.1 .5 2.6 4.1 .3 4.8 11.2 .8 .73 1.10 .68 .08 .28 .37 .90 2.50 6.64 5.4 1.23 3.73
1932 2.3 7.1 .7 3.4 5.0 .2 5.7 12.1 .9 .85 1.19 .97 .15 .68 .29 .92 2.50 7.55 13.5 .56 4.86

*At December 1 price of \$.69 per bushel in 1933 and \$.36 in 1932.

Cost and Return per Acre of Oats and Wheat
Stevens County, 1933

Farm no.	Hours				Costs				Yield, Cost Crop										
	Before Harvest		Harvesting		Man Horse & Seed tractor	Twine	Threshing	Manure	Machinery	Land Total	bu. (40 lb.)	per value* bu.							
	Man Horse	Tractor	Man Horse	Tractor									Man Horse	Tractor	Tractor	Tractor			
129	1.1	4.3	2.4	4.1	-	3.5	8.4	-.53	\$.46	\$.80	\$.17	\$.54	\$.78	\$.90	\$2.50	\$6.68	21.6	\$.31	\$7.56
038	1.9	8.1	2.1	4.8	-	4	12.9	-.60	.71	.60	.09	.36	.28	.90	2.50	6.04	14.2	.42	4.97
116	2.9	12.3	2.9	5.3	-	5.8	17.6	-.88	.97	.79	.10	.31	1.21	.90	2.50	7.66	12.8	.60	4.48
024	2.0	4.0	1.0	3.7	2.8	5.7	6.8	1.5	1.36	.63	.09	.30	.95	.90	2.50	7.59	12.1	.63	4.24
212	3.4	15.5	3.0	5.1	-	6.4	20.6	-.96	1.13	.57	.05	.25	-	.91	2.50	6.37	10.0	.64	3.50
236	3.2	10.2	3.1	5.3	-	6.3	15.5	-.94	.85	.82	.10	.21	.68	.90	2.50	7.00	8.3	.84	2.90
216	2.7	9.1	3.5	4.7	-	6.2	13.8	-.93	.76	.65	.08	.18	.45	.90	2.50	6.45	7.3	.88	2.56
215	1.3	2.8	1.9	3.8	-	3.2	6.6	.8	.85	.68	.07	.15	-	.90	2.50	5.63	5.8	.97	2.03
119	1.9	4.7	1.9	1.6	.6	3.8	6.3	1.3	1.01	.54	.08	.13	-	.90	2.50	5.73	5.1	1.12	1.78
018	2.9	13.6	1.2	3.1	-	4.1	16.7	-.62	.92	.65	.05	.13	.15	.90	2.50	5.92	5.1	1.16	1.78
114	1.6	2.3	1.0	2.9	.6	4.5	5.5	1.6	1.12	.79	.09	.14	.75	.91	2.50	6.97	5.7	1.22	2.00
214	1.9	1.7	1.3	2.3	.6	4.2	3.9	1.9	1.16	.49	.05	.08	.26	.90	2.50	6.07	3.0	2.02	1.05
Average	2.2	7.4	2.6	3.8	.2	4.8	11.2	.6	.94	.67	.09	.23	.46	.90	2.50	6.51	9.3	.70	3.26
1933	2.5	9.3	3.2	5.9	.1	6.1	15.2	.3	.98	.98	.18	.85	.33	.93	2.50	7.66	34.0	.23	5.44

*At December 1 price of \$.35 per bushel in 1933 and \$.16 in 1932.

Cost and Return per Acre of Flax
Stevens County, 1933

Farm no.	Hours				Costs				Yield, Cost Crop												
	Before Harvest		Harvesting		Man labor	Horse tractor	Man labor tractor	Horse & Seed	Twine	Threshing	Manure	Machinery	Land	Total	bu.	per value* bu.					
	Man	Horse	Man	Horse													Tractor	Tractor	Tractor	Tractor	Tractor
215	2.0	5.2	7	2.3	5.6	-	4.3	10.8	7	\$.65	\$1.07	\$.90	\$.63	\$.51	\$.91	\$2.50	\$7.17	7.6	\$.94	\$11.32	
212	3.4	17.3	-	8.2	15.3	-	11.6	32.6	-	1.75	1.79	.79	.62	-	.90	2.50	8.36	6.5	1.28	9.69	
222	1.4	6.0	-	2.3	4.4	-	3.7	10.4	-	.56	.57	.88	.36	.39	1.03	2.50	6.39	4.5	1.42	6.71	
038	2.2	10.9	-	2.3	2.4	-	4.5	13.3	.4	.58	1.00	.88	.36	.31	.92	2.50	6.72	4.6	1.46	6.85	
129	1.5	5.9	-	2.3	4.9	-	3.8	10.8	-	.58	.59	.63	.40	.76	.93	2.50	6.54	4.4	1.48	6.56	
236	2.3	9.3	-	4.4	8.1	-	6.7	17.4	-	1.01	.96	.78	.38	.58	.92	2.50	7.25	4.5	1.61	6.71	
234	2.5	4.8	1.2	3.3	3.1	.4	5.8	7.9	1.6	.87	1.46	.90	.65	-	.93	2.50	7.39	4.4	1.68	6.56	
226	1.1	3.3	.4	2.2	2.7	.3	3.3	6.0	.7	.49	.78	.64	.34	.22	.92	2.50	5.93	3.1	1.91	4.62	
224	1.8	3.3	1.1	3.0	2.3	.4	4.8	5.6	1.5	.72	1.21	.96	.45	.18	.91	2.50	7.04	3.2	2.20	4.77	
018	3.3	15.0	-	2.8	5.6	-	6.1	20.6	-	.91	1.13	.92	.16	.68	.90	2.50	7.20	2.0	3.60	2.98	
117	5.3	21.5	-	2.3	4.5	-	7.6	26.0	-	1.15	1.43	.77	.19	.12	.90	2.50	7.06	1.9	3.71	2.83	
124	1.7	7.1	.2	4.0	3.4	.6	5.7	10.5	.8	.85	.99	.86	.19	.26	.90	2.50	6.65	1.7	3.91	2.53	
014	1.1	3.1	.3	2.1	5.0	-	3.2	8.1	.3	.48	.63	1.39	.13	.25	.90	2.50	6.28	1.4	4.48	2.09	
214	1.8	1.7	1.4	1.5	2.2	.3	3.3	3.9	1.7	.49	1.30	.87	.12	.09	.90	2.50	6.32	1.3	4.86	1.94	
116	2.3	9.7	-	2.7	6.3	-	5.0	16.0	-	.75	.88	1.11	.24	1.08	.90	2.50	7.59	1.5	5.06	2.24	
028	4.3	19.9	-	2.9	5.7	-	7.2	25.6	-	1.09	1.41	.96	.14	-	.90	2.50	7.00	1.3	5.38	1.94	
119	3.2	10.7	1.1	1.8	1.8	.4	5.0	12.5	1.5	.75	1.43	.90	.16	.45	.90	2.50	7.17	1.3	5.52	1.94	
Average																					
1933	2.4	9.1	.4	3.0	4.9	.2	5.4	14.0	.6	.81	1.09	.89	.32	.35	.92	2.50	6.94	3.2	2.17	4.77	
1932	3.3	9.8	.8	3.7	5.2	.3	7.0	15.0	1.1	1.06	1.47	.93	.66	.43	1.01	2.50	8.21	7.8	1.05	6.08	

*At December 1 price of \$1.49 per bushel in 1933 and \$.79 in 1932.

Cost and Return per Acre of Alfalfa Hay
Stevens County, 1933

Farm no.	Hours				Total Man Horse	Man Horse	Seed	Costs			Land	Total	Yield, ton	Cost per ton	Crop value*			
	1st Cutting		2nd Cutting					Manure	Machinery	Total								
	Man Horse	Per cent	Man Horse	Per cent														
222	3.6	6.4	2.5	5.0	100	6.1	11.4	\$.91	\$.63	\$.60	\$.40	\$ 1.65	\$ 2.50	\$ 6.69	.8	\$ 8.36	\$ 5.20	
024	3.9	4.6	2.6	3.3	100	6.5	7.9	.97	.43	.60	1.96	1.65	2.50	8.11	.8	10.14	5.20	
018	1.5	2.6	1.0	1.7	58	2.5	4.3	.38	.23	.60	.68	1.65	2.50	6.04	.5	12.08	3.25	
226	1.8	3.6	-	-	-	1.8	3.6	.27	.20	.60	.64	.80	2.50	5.01	.4	12.52	2.60	
119	3.8	4.9*	3.0	4.2	100	6.8	9.1	1.02	.50	.60	1.31	1.65	2.50	7.58	.6	12.63	3.90	
212	2.6	5.3	1.7	3.4	74	4.3	8.7	.65	.48	.60	.38	1.21	2.50	5.82	.4	14.55	2.60	
014	3.0	3.6	-	-	-	3.0	3.6	.46	.20	.60	-	1.65	2.50	5.40	.3	18.00	3.25	
129	2.4	4.6	.6	1.0	39	3.0	5.6	.45	.31	.60	.94	1.65	2.50	6.45	.3	21.50	1.95	
116	4.4	7.1	-	-	-	4.4	7.1	.67	.39	.60	1.00	1.65	2.50	6.81	.3	22.70	1.95	
214	3.4	6.8	-	-	-	3.4	6.8	.51	.37	.60	.28	1.65	2.50	5.91	.2	29.55	1.30	
Average																		
1933	3.1	4.9	1.1	1.9	47	4.2	6.8	.63	.37	.60	.76	1.52	2.50	6.38	.5	12.76	3.25	
1932	4.2	7.0	1.7	2.9	65	5.9	9.9	.88	.52	.60	.54	1.16	2.50	6.20	.9	6.89	5.40	

*At December 1 price of \$6.50 per ton in 1933 and \$6.00 per ton in 1932.

*Also used .6 tractor hour.

Cost and Return per Acre of Wild Hay
Stevens County, 1933

Farm no	Hours		Man labor	Horse work	Costs		Land	Total	Yield, ton	Cost per ton	Crop value*
	Man	Horse			Mach-inery	Total					
236	5.3	7.2	\$.79	\$.40	\$.70	\$1.50	\$3.39	1.1	\$3.05	\$2.05	
215	3.3	5.1	.50	.28	.70	1.50	2.98	.8	3.73	1.80	
018	2.1	3.2	.31	.18	.70	1.50	2.69	.6	4.48	2.35	
116	4.4	6.3	.67	.34	.70	1.50	3.21	.6	5.35	2.61	
224	6.3	5.9	.94	.32	.70	1.50	3.46	.6	5.77	1.35	
119	5.7	10.4	.86	.57	.70	1.50	3.63	.6	6.05	1.35	
226	3.6	7.2	.54	.40	.70	1.50	3.14	.5	6.18	1.45	
212	5.2	8.9	.78	.49	.70	1.50	3.47	.5	6.92	1.16	
014	5.2	10.4	.78	.57	.70	1.50	3.55	.5	7.10	.83	
234	4.9	6.1	.74	.33	.70	1.50	3.27	.4	8.18	1.74	
129	1.7	2.9*	.26	.16	.70	1.50	2.62	.2	13.10	.87	
117	2.2	3.6*	.33	.24	.70	1.50	2.77	.2	13.85	.87	
124	2.8	4.5	.42	.25	.70	1.50	2.87	.2	14.35	.45	
028	3.0	5.0	.46	.27	.70	1.50	2.93	.2	14.65	.87	
038	7.9	15.8	1.19	.87	.70	1.50	4.26	.1	42.60	.44	
Average											
1933	4.2	6.8	.64	.38	.70	1.50	3.22	.5	6.44	1.35	
1932	5.7	9.2	.85	.48	.70	1.50	3.53	.9	3.92	2.39	

*At December 1 prices, 1933 -- upland \$ 4.35, midland, \$2.25, slough \$1.25; 1932 -- upland \$4.00, midland \$2.00, slough \$1.00.

#Also used .1 tractor hour.

**Cost and Return per Acre of Fodder Corn
Stevens County, 1933**

Farm no.	Hours				Costs				Yield, Cost Crop									
	Before Harvest		Harvesting		Man	Horse & Seed tractor	Twine	Man-ure	Mach-inery	Land	Total ton	per value* ton						
	Man	Horse	Man	Horse									Tractor	labor	tractor	Man-ure	inery	
024	10.4	18.2	1.6	6.9	4.7	17.3	22.9	1.6	\$2.59	\$2.28	\$1.15	\$2.61	1.65	2.50	11.96	1.7	\$7.04	\$5.53
222	7.1	24.4	-	2.3	4.8	9.4	29.2	-	1.41	1.60	.13	.45	1.65	2.50	7.87	.9	8.74	2.93
018	6.9	23.7	-	2.7	3.5	9.6	27.2	-	1.43	1.50	.18	1.38	1.65	2.50	8.79	1.0	8.79	3.25
127	8.7	23.7	-	2.7	5.2	11.4	28.9	-	1.72	1.59	.14	1.39	1.65	2.50	9.18	1.0	9.18	3.25
214	6.6	15.3	1.4	2.9	3.7	9.5	19.0	1.4	1.43	1.77	.07	-	1.65	2.50	7.55	.8	9.44	2.60
028	9.4	28.4	-	2.9	4.2	12.3	32.6	-	1.84	1.79	.11	1.63	1.65	2.50	9.66	1.0	9.66	3.25
129	7.0	24.3	-	2.7	5.6	9.7	29.9	-	1.45	1.65	.14	1.05	1.65	2.50	8.89	.9	9.88	2.93
216	8.6	28.7	-	4.0	6.5	12.6	35.2	-	1.89	1.94	.13	.71	1.65	2.50	8.98	.9	9.98	2.93
114	4.1	2.6	3.1	4.7	6.2	8.8	8.8	3.2	1.32	2.47	.17	1.97	1.65	2.50	10.32	1.0	10.32	3.25
224	2.8	2.1	2.2	1.9	3.8	4.7	5.9	2.2	.71	1.56	.13	.57	1.65	2.50	7.26	.7	10.37	2.28
117	9.0	28.3	-	2.4	3.7	11.4	32.0	-	1.71	1.76	.12	1.50	1.65	2.50	9.36	.9	10.40	2.93
124	3.8	9.8	1.6	2.5	5.0	6.3	14.8	1.6	.94	1.63	.13	.35	1.65	2.50	7.45	.7	10.64	2.28
236	8.9	28.6	-	2.8	5.9	11.7	34.5	-	1.76	1.90	.07	.69	1.65	2.50	8.75	.8	10.94	2.60
215	4.2	11.6	1.1	2.5	3.5	6.7	15.1	1.1	1.00	1.53	.14	.93	1.65	2.50	7.94	.7	11.34	2.28
212	7.0	27.4	-	2.4	4.7	9.4	32.1	-	1.42	1.76	.15	.38	1.65	2.50	7.97	.9	11.39	2.93
234	4.2	7.9	1.7	3.1	5.4	7.3	13.3	1.7	1.09	1.77	.14	.93	1.65	2.50	8.23	.7	11.76	2.28
226	4.4	16.4	.6	1.7	1.3	6.1	17.7	.9	.92	1.56	.04	.41	1.65	2.50	7.30	.6	12.17	1.95
038	6.1	22.5	.2	1.8	2.9	7.9	25.4	.2	1.18	1.50	.08	1.20	1.65	2.50	8.31	.6	13.85	1.95
019	4.9	13.3	1.3	1.6	3.2	6.5	16.5	1.3	.97	1.73	.06	.09	1.65	2.50	7.13	.5	14.26	1.63
014	4.5	8.9	1.3	1.6	3.2	6.1	12.1	1.3	.91	1.53	.10	.35	1.65	2.50	7.16	.5	14.32	1.63
119	7.4	20.0	1.6	3.0	3.0	10.4	23.0	2.1	1.56	2.31	.09	.33	1.65	2.50	8.71	.6	14.52	1.95
116	8.9	32.9	-	2.6	5.6	11.5	38.5	-	1.72	2.12	.09	1.28	1.65	2.50	9.55	.6	15.92	1.95
Average	6.6	19.0	1.5	2.8	4.4	9.4	23.4	1.5	1.41	1.78	.12	.92	1.65	2.50	8.56	.8	10.70	2.60
1933	6.9	20.8	1.0	3.7	5.6	10.6	26.4	1.0	1.60	2.05	.26	.67	1.65	2.50	9.05	1.7	5.32	5.10

*At December 1 price of \$3.25 per ton in 1933 and \$3.00 in 1932.

Cost and Return per Acre of Silage Corn
Stevens County, 1933

Farm no.	Hours		Costs		Yield, Cost Crop														
	Harvesting		Silo		Land	Total	ton	per value* ton											
	Man	Horse	Man	Twine															
Man	Horse	Man	Horse & Seed	Mach-	Man-	Land	Total	Yield,	Cost Crop										
	Trac-	Trac-	tractor	inery	ure			ton	per value*										
	tor	tor							ton										
	tor	tor																	
038	21.0	-	10.1	15.9	15.8	36.9	-	\$2.36	\$2.03	\$.24	\$.12	\$1.51	\$.69	2.50	\$11.10	7.5	\$1.48	\$16.88	
224	3.0	2.8	6.0	9.4	9.0	12.2	2.2	1.35	2.02	.20	.16	.85	1.16	2.50	9.89	5.1	1.94	11.48	
234	5.0	14.6	7.3	12.9	12.3	27.5	.9	1.85	2.11	.26	.16	.94	2.21	2.50	11.68	6.0	1.95	13.50	
214	6.6	15.3	7.0	8.9	13.6	24.2	1.4	2.03	2.05	.13	.08	1.02	-	2.50	9.46	4.2	2.25	9.45	
018	6.9	23.7	6.0	11.6	12.9	35.3	-	1.93	1.95	.15	.18	1.23	1.38	2.50	10.97	4.6	2.38	10.35	
127	10.6	28.0	6.7	10.8	17.3	38.8	-	2.60	2.14	.17	.13	1.06	.45	2.50	10.70	4.2	2.55	9.45	
124	4.6	11.0	5.5	11.1	10.1	22.1	2.1	1.52	2.26	.17	.13	1.09	.46	2.50	9.78	3.7	2.64	8.32	
226	5.0	19.9	4.2	7.7	9.2	27.6	.5	1.37	1.86	.12	.03	1.12	.62	2.50	9.27	3.0	3.09	6.75	
117	10.1	32.6	5.0	9.8	15.1	42.4	.3	2.27	2.46	.19	.11	1.18	.49	2.50	10.85	3.0	3.62	6.75	
114	4.1	2.4	4.9	11.0	9.0	13.4	3.2	1.35	2.77	.17	.11	1.10	1.23	2.50	10.88	3.0	3.63	9.75	
028	9.8	27.3	4.4	8.2	14.2	35.5	-	2.13	1.95	.15	.08	1.24	.50	2.50	10.20	2.7	3.78	6.08	
024	10.0	18.3	8.6	13.7	18.6	32.0	1.6	2.79	2.79	.18	.15	1.44	2.61	2.50	14.11	3.2	4.41	7.20	
014	4.6	9.6	4.3	8.0	8.9	17.6	1.3	1.35	1.79	.12	.10	1.10	.39	2.50	9.00	2.0	4.50	4.50	
212	8.2	28.8	4.8	9.0	13.0	37.8	-	1.96	2.08	.16	.10	1.12	1.83	2.50	11.40	2.3	4.96	5.18	
Average																			
1933	6.7	18.2	6.1	10.6	12.8	28.8	1.0	1.92	2.16	.17	.12	1.14	1.00	2.50	10.66	3.9	2.73	8.78	
1932	6.4	18.3	7.7	12.7	14.1	31.0	1.3	2.12	2.46	.27	.23	1.23	.69	2.50	11.15	5.0	2.23	10.00	

*At December 1 price of \$2.25 per ton in 1933 and \$2.00 in 1932.