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Revised
December 1946

Extension Circular 839-46
1945-1946

WINTER WHEAT PRODUCTION COSTS

NEBRASKA

1945-1946

Gerald R. Abbenhaus

E. C. 839-46

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FIVE COUNTIES, 1945

Cass	Perkins
Douglass	Cheyenne
Fillmore	

SIX COUNTIES, 1946

Cass	Fillmore
Saunders	Perkins
Douglas	Cheyenne

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WINTER WHEAT PRODUCTION COSTS IN NEBRASKA

1945 and 1946

Cost of production studies for wheat have been carried on by the Department of Rural Economics and the Agricultural Extension Service in Cass, Douglas, Saunders, Fillmore, Perkins, and Cheyenne counties since 1929, with the exception of Saunders county in 1945.

The data in the following tables are representative of the wheat enterprise in the state. The information used in the tables was collected from farmers in various parts of each county. The types of farming in the six counties used are quite typical for the state as a whole. The information in the tables can be applied to other counties of the state by comparing the farms in a selected area with the farms in some one of the counties for which data are given in this circular. The variations from year to year, between different sections of the state, and types of fallow are undoubtedly typical.

In addition to the tables that give information for the two years, 1945 and 1946, bushel and acre weighted costs for the 10 years, 1937-1946, are given in Table 21.

Acreage of wheat harvested, yield per acre, total production, and average price per bushel for winter wheat in Nebraska for the fifteen year period, 1932-1946, are given in Table 1.

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Table 1. Winter wheat acreage harvested, yields, prices, and total production for Nebraska, 1932-1947*.

Year	Acres harvested	Yield per acre (bu.)	Total production (bu.)	Average price per bushel farm value
1932	2,075,010	12.5	25,938,280	$.36
1933	2,022,980	12.8	25,893,900	.72
1934	2,085,000	8.0	16,680,000	.84
1935	2,600,000	13.7	35,620,000	.85
1936	2,938,000	15.5	45,539,000	1.05
1937	3,261,000	14.0	45,654,000	.98
1938	4,402,000	12.0	52,824,000	.54
1939	3,081,000	11.2	34,507,000	.67
1940	2,496,000	13.5	33,696,000	.68
1941	2,221,000	15.5	34,426,000	.98
1942	2,865,000	24.0	68,760,000	1.13
1943	2,865,000	21.0	60,165,000	1.35
1944**	2,693,000	13.0	35,009,000	1.43
1945**	3,662,000	23.0	84,226,000	1.47
1946***	3,981,000	22.5	89,723,000	1.62
1947****	4,419,000	21.0	92,799,000	

*Nebraska Agricultural Statistics, Annual Reports, Winter wheat only.
**Nebraska Preliminary County Estimates, 1944 and 1945, State-Federal Division of Agricultural Statistics, U. S. Department of Agriculture.
***Crop Production, Bureau of Agricultural Economics, U. S. Department of Agriculture, December 19, 1946. Acres are based on acres seeded instead of acres harvested as in the other 14 years.
****Crop Production, Bureau of Agricultural Economics, U. S. Department of Agriculture, December 19, 1946. Preliminary estimate December 1, 1946.

In computing the costs for the wheat enterprise in the tables which follow, a uniform charge for labor, power, and machinery is applied to all records. The charges which were used are as follows:*

Table 2. Machinery, acre and hour costs used in preparing tables 3-21.

Machinery	Type of power used	Rate charged	
		Per acre	Per hour
Cultivator, duckfoot 7'-11'	Tractor	$.11	
Disc, single 8'-10'	Horse	.07	
Disc, single 9'-21'	Tractor	.07	
Disc, tandem 7'-10'	Tractor	.14	
Harrow, spike-tooth 12'-24'	Horse or tractor	.02	
Harrow, spring-tooth	Tractor	.10	
One-way 6'-10'	Tractor	.09	
Plow, gang	Horse	.25	
Plow, 2-12"-3-16"	Tractor	.25	
Rod weeder	Tractor	.04	
Land roller 8'-14'	Horse or tractor	.10	
Grain drill 7'-14'	Horse or tractor	.12	
Lister, 2 row	Horse or tractor	.16	
Grain binder 7'-10'	Horse or tractor	.50	
Harness per set of two	Horse		$.01
Hay rack and gears	Horse		.08
Wagon box and gears	Horse		.03

*Frank Miller and W. L. Ruden, Cost of Operating Machinery on Nebraska Farms, Nebraska Experiment Station Bulletin 366.

A combine charge of $4.00 per acre was used as standard. A labor charge of 60 cents per hour was used except when outside harvest labor was hired and this was charged at the price actually paid.

Power:

Tractor power per hour*	1945	1946
6-10 drawbar horsepower	$.53	$.58
11-20 drawbar horsepower	.60	.64
21-25 drawbar horsepower	.82	.88
26-30 drawbar horsepower	.94	1.01

A horsepower charge of 12 cents per hour was used.

No charge was made for the use of land in computing acre costs. In computing bushel costs a charge was made for the use of land by deducting a land owner's share from the total production in all cases. The remainder which was representative of the tenant's share, was divided into the total expenses to arrive at the cost per bushel. Other items of cost, such as seed, threshing, twine, insurance, and special day labor, was charged at rates actually paid by the different producers.

The tenant's share of the wheat averaged about three fifths in Cass, Douglas, and Saunders counties and two thirds in Fillmore, Cheyenne, and Perkins counties.

The preliminary preparation cost is the charge for such things as getting the machine ready for use, repairing, greasing, and going to and from the field. It has been found that 20 per cent of the cost of labor, power, and equipment for each operation gives a good average to use as the preliminary preparation charge.

For the two far western counties, Perkins and Cheyenne, the tables are set up according to the tillage practice non-fallow, non-plowed fallow, and plowed fallow.

Non-fallowing is the practice of continuous cropping, of planting a crop each year. With non-plowed fallow, weeds are controlled by using a one-way disc, rod weeder, spring tooth harrow, or some other implements that will not turn under the top layer of soil and refuse from the former crop, during the year the ground is idle. This method of tillage is used in an effort to keep a covering of refuse and debris on the soil to prevent erosion. With plowed fallow, the refuse and debris of the former crop is turned under with a moldboard plow. Then for weed control, during the year the ground is idle, a disc, rod weeder, spring tooth harrow, or other implements are used.

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*Frank Miller, W. L. Ruden, and C. W. Smith. Cost of Tractor Power on Nebraska Farms, Nebraska Experiment Station Bulletin 324.

Table 3. Cost of producing winter wheat in Cass county, Nebraska, 1945.

	Your farm	Average		
		14 farms	5 low cost farms	5 high cost farms
NUMBER OF FARMS		14	5	5
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		2.67	2.42	3.43
Horse*		2- 9.37	-	2- 9.37
Tractor		2.51	2.42	2.81
For harvest				
Man		1.52	1.00	2.85
Horse*		1- .80	-	1- .80
Tractor		.80	.78	.86
NUMBER OF ACRES SEEDED		33.9	41.4	25.0
NUMBER OF ACRES HARVESTED		33.9	41.4	25.0
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.60	$1.45	$2.06
Power		1.46	1.37	1.61
Equipment		.51	.51	.51
Seed		2.32	2.92	1.95
Preliminary Preparation		.72	.67	.83
Miscellaneous (insurance, treating seed, etc.)		.04	-	-
Total		$6.65	$6.92	$6.96
Harvesting costs		3.90	3.80	3.95
Total cost per acre**		$10.55	$10.72	$10.91
YIELD PER ACRE: BUSHELS				
Total yield		22.2	28.4	14.2
Tenant's yield		13.2	17.0	8.4
COST PER BUSHEL**		$.80	$.63	$1.30

*The first number in the column indicates the number of farms on which horses were used; the second number indicates the average number of hours horses were used on these farms.

**Bushel costs include a land charge; acre costs do not.

Table 4. Cost of producing winter wheat in Douglas county, Nebraska, 1945

	Your farm	Average		
		10 farms	3 low cost farms	3 high cost farms
NUMBER OF FARMS		10	3	3
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		2.37	2.66	3.08
Horse		-	-	-
Tractor		2.37	2.66	3.08
For harvest				
Man		1.24	.81	2.45
Horse*		1- 1.25	-	1- 1.25
Tractor		.86	.81	.76
NUMBER OF ACRES SEEDED		16.8	11.3	12.7
NUMBER OF ACRES HARVESTED		16.8	11.3	12.7
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.42	$1.60	$1.85
Power		1.35	1.39	1.44
Equipment		.49	.47	.50
Seed		1.99	.90	2.00
Preliminary preparation		.52	.77	.76
Miscellaneous (insurance, treating seed, etc.)		.41	.16	-
Total		$6.18	$5.29	$6.55
Harvesting costs		4.25	3.80	5.26
Total cost per acre**		$10.43	$9.09	$11.81
YIELD PER ACRE: BUSHELS				
Total yield		24.0	35.3	15.3
Tenant's yield		14.4	21.2	9.2
COST PER BUSHEL**		$.72	$.43	$1.29

*The first number in the column indicates the number of farms on which horses were used, the second number indicates the average number of hours horses were used on these farms.
**Bushel costs include a land charge; acre costs do not.

Table 5. Cost of producing winter wheat in Fillmore county, Nebraska, 1945.

	Your farm	Average		
		23 farms	8 low cost farms	8 high cost farms
NUMBER OF FARMS		23	8	8
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.91	1.63	2.02
Horse*		3- .67	-	3- .67
Tractor		1.85	1.59	1.85
For harvest				
Man		1.00	.66	1.64
Horse*		5- 2.48	1- 1.39	3- 2.95
Tractor		.50	.46	.53
NUMBER OF ACRES SEEDED		89.7	120	61.5
NUMBER OF ACRES HARVESTED		89.7	120	61.5
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.15	$.98	$1.21
Power		1.20	1.22	1.19
Equipment		.46	.49	.44
Seed		1.79	1.81	1.68
Preliminary preparation		.57	.56	.57
Miscellaneous (insurance, treating seed, etc.)		.23	.05	.43
Total		$5.40	$5.11	$5.52
Harvesting costs		4.14	3.92	4.65
Total cost per acre**		$9.54	$9.03	$10.17
YIELD PER ACRE: BUSHELS				
Total yield		22.2	25.4	17.3
Tenant's yield		14.7	17.0	11.5
COST PER BUSHEL**		$.65	$.53	$.83

*The first number in the column indicates the number of farms on which horses were used; the second number indicates the average number of hours horses were used on these farms.
**Bushel costs include a land charge, acre costs do not.

Table 6. Cost of producing winter wheat on plowed-fallow land in Perkins county, Nebraska, 1945.

	Your farm	Average of 4 farms
NUMBER OF FARMS		4
LABOR AND POWER PER ACRE: HOURS		
Up to harvest		
Man		2.10
Horse		-
Tractor		2.10
For harvest		
Man		1.03
Horse		-
Tractor		.58
NUMBER OF ACRES SEEDED		122.5
NUMBER OF ACRES HARVESTED		122.5
COST PER ACRE		
Up to harvest		
Man labor		$1.26
Power		1.74
Equipment		.62
Seed		.72
Preliminary preparation		.72
Miscellaneous (insurance, treating seed, etc.)		.26
Total		$5.32
Harvesting costs		4.00
Total cost per acre*		$9.32
YIELD PER ACRE: BUSHELS		
Total yield		25
Tenant's yield		16.7
COST PER BUSHEL*		$.56

*Bushel costs include a land charge; acre costs do not.

Table 7. Cost of producing winter wheat on non-plowed fallow land in Perkins county, Nebraska, 1945.

	Your farm	Average		
		13 farms	4 low cost farms	4 high cost farms
NUMBER OF FARMS		13	4	4
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.08	1.09	1.43
Horse		-	-	-
Tractor		1.08	1.08	1.43
For harvest				
Man		.50	.37	.60
Horse		-	-	-
Tractor		.32	.34	.34
NUMBER OF ACRES SEEDED		281.9	360	151.3
NUMBER OF ACRES HARVESTED		281.9	360	151.3
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.65	$.65	$.86
Power		1.30	1.24	1.42
Equipment		.46	.47	.45
Seed		.78	.80	.87
Preliminary preparation		.48	.47	.54
Miscellaneous (insurance, treating seed, etc.)		.33	.05	1.32
Total		$4.00	$3.68	$5.46
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$8.00	$7.68	$9.46
YIELD PER ACRE: BUSHELS				
Total yield		31.2	37.9	20.4
Tenant's yield		20.8	25.3	13.6
COST PER BUSHEL*		$.38	$.30	$.70

*Bushel costs include a land charge; acre costs do not.

Table 8. Cost of producing winter wheat on non-fallowed land in Perkins county, Nebraska, 1945.

	Your farm	Average		
		9 farms	3 low cost farms	3 high cost farms
NUMBER OF FARMS		9	3	3
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		.99	1.09	.83
Horse		-	-	-
Tractor		.99	1.09	.83
For harvest				
Man		.61	.65	.71
Horse		-	-	-
Tractor		.35	.33	.44
NUMBER OF ACRES SEEDED		137.2	250	75
NUMBER OF ACRES HARVESTED		137.2	250	75
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.59	$.65	$.50
Power		.76	.81	.71
Equipment		.28	.29	.27
Seed		.74	.83	.54
Preliminary preparation		.33	.35	.30
Miscellaneous (insurance, treating seed, etc.)		.23	.29	.25
Total		$2.93	$3.22	$2.57
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$6.93	$7.22	$6.57
YIELD PER ACRE: BUSHELS				
Total yield		16.8	19.8	10.7
Tenant's yield		11.2	13.2	7.1
COST PER BUSHEL*		$.62	$.55	$.92

*Bushel costs include a land charge; acre costs do not.

Table 9. Cost of producing winter wheat on summer-fallow land in Cheyenne county, Nebraska, 1945.

	Your farm	Average		
		16 farms	5 low cost farms	5 high cost farms
NUMBER OF FARMS		16	5	5
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.20	1.19	1.27
Horse		-	-	-
Tractor		1.20	1.19	1.27
For harvest				
Man		.58	.44	.83
Horse		-	-	-
Tractor		.34	.32	.43
NUMBER OF ACRES SEEDED		283	95.6	105.5
NUMBER OF ACRES HARVESTED		283	95.6	105.5
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.72	$.71	$.76
Power		1.80	2.11	1.44
Equipment		.66	.79	.53
Seed		.90	.80	.97
Preliminary preparation		.67	.82	.55
Miscellaneous (insurance, treating seed, etc.)		.30	.25	.22
Total		$5.05	$5.48	$4.47
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$9.05	$9.48	$8.47
YIELD PER ACRE: BUSHELS				
Total yield		28.8	43.0	17.3
Tenant's yield		19.3	28.6	11.5
COST PER BUSHEL*		$.47	$.33	$.73

*Bushel costs include a land charge; acre costs do not.

Table 10. Cost of producing winter wheat on non-fallow land in Cheyenne county, Nebraska, 1945.

	Your farm	Average of 7 farms
NUMBER OF FARMS		7
LABOR AND POWER PER ACRE: HOURS		
Up to harvest		
Man		.37
Horse		-
Tractor		.37
For harvest		
Man		.35
Horse		-
Tractor		.27
NUMBER OF ACRES SEEDED		161
NUMBER OF ACRES HARVESTED		161
COST PER ACRE		
Up to harvest (Based on acres seeded)		
Man labor		$.22
Power		.43
Equipment		.24
Seed		1.04
Preliminary preparation		.18
Miscellaneous (insurance, treating seed, etc.)		.68
Total		$2.79
Harvesting costs		4.00
Total cost per acre*		$6.79
YIELD PER ACRE: BUSHELS		
Total yield		12.5
Tenant's yield		8.7
COST PER BUSHEL*		$.78

*Bushel costs include a land charge; acre costs do not.

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The winter wheat crop of 1946 was very good in most parts of Nebraska. The climatic conditions were extremely favorable and as a result above average yields were obtained. Not only were the yields above average, but also the price per bushel was quite high in relation to wheat prices of recent years. The prices per bushel during and after the 1946 harvesting season in Nebraska were as follows:

July 15	$1.77 per bushel
August 15	1.71 per bushel
September 15	1.74 per bushel
October 15	1.83 per bushel

In the three eastern counties, Cass, Saunders, and Douglas, 60 per cent of the wheat acreage of the 48 farms for which records were received was planted to Pawnee wheat. This is a relatively new variety that has met with a great deal of favor in eastern Nebraska. Most of these farm operators indicated that they received a higher yield from Pawnee wheat than from other varieties. A 22 acre field in Douglas county averaged 43 bushels per acre and a few other fields had 40 bushel per acre yields. One complaint expressed about the Pawnee variety of wheat was its tendency to shatter, but this was offset by the higher yields. An even larger per cent of the 1947 winter wheat acreage in eastern Nebraska has been planted to Pawnee.

In 1946, Pawnee wheat did not meet with such success in Fillmore, Perkins, and Cheyenne counties. Many Fillmore county farmers did not secure a higher yield from Pawnee wheat than from some other varieties. The two far western counties, Perkins and Cheyenne, apparently secured the best results from the Cheyenne variety of wheat and relatively few growers planted any other variety.

The 1947 crop of winter wheat planted the fall of 1946 is going into the winter in excellent condition. The precipitation during the fall of 1946 has been unusually high and growing conditions very favorable.

Table 11. Cost of producing winter wheat in Cass county, Nebraska, 1946.

	Your farm	Average		
		16 farms	5 low cost farms	5 high cost farms
NUMBER OF FARMS		16	5	5
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		2.90	2.88	3.38
Horse		-	-	-
Tractor		2.86	2.88	3.26
For harvest				
Man		1.35	.56	2.74
Horse*		2- 4.57	-	2- 4.57
Tractor		.72	.56	.84
NUMBER OF ACRES SEEDED		33.1	23.0	34.0
NUMBER OF ACRES HARVESTED		33.0	23.0	34.0
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.74	$1.73	$2.03
Power		1.76	1.84	1.75
Equipment		.61	.58	.65
Seed		2.79	2.55	2.63
Preliminary preparation		.82	.83	.89
Miscellaneous (insurance, treating seed, etc.)		.79	1.43	.13
Total		$8.51	$8.96	$8.08
Total (Based on acres harvested)		$8.53	$8.96	$8.08
Harvesting costs		4.43	4.00	5.34
Total cost per acre**		$12.96	$12.96	$13.42
YIELD PER ACRE: BUSHELS				
Total yield		25.1	31.9	19.2
Tenant's yield		15.1	19.1	11.5
COST PER BUSHEL**		$.86	$.68	$1.16

*The first number in the column indicates the number of farms on which horses were used; the second number indicates the average number of hours horses were used on these farms.

**Bushel costs include a land charge; acre costs do not.

Table 12. Cost of producing winter wheat in Saunders county, Nebraska, 1946.

	Your farm	Average		
		18 farms	6 low cost farms	6 high cost farms
NUMBER OF FARMS		18	6	6
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		2.34	2.32	2.44
Horse*		2- 7.79	-	-
Tractor		2.26	2.32	2.44
For harvest				
Man		1.12	1.12	1.24
Horse*		2- .74	-	2- .74
Tractor		.92	1.12	.71
NUMBER OF ACRES SEEDED		33.8	43.8	38.2
NUMBER OF ACRES HARVESTED		33.6	43.3	38.2
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.40	$1.39	$1.46
Power		1.50	1.48	1.57
Equipment		.52	.52	.51
Seed		2.83	2.66	2.74
Preliminary preparation		.69	.68	.71
Miscellaneous (insurance, treating seed, etc.)		.76	.29	1.07
Total (Based on acres seeded)		$7.70	$7.02	$8.06
Total (Based on acres harvested)		$7.73	$7.10	$8.06
Harvesting costs		4.09	4.00	4.23
Total cost per acre**		$11.82	$11.10	$12.29
YIELD PER ACRE: BUSHELS				
Total yield		29.1	35.7	21.3
Tenant's yield		17.5	21.4	12.8
COST PER BUSHEL		$.68	$.52	$.96

*The first number in the column indicates the number of farms on which horses were used; the second number indicates the average number of hours horses were used on these farms.
**Bushel costs include a land charge; acre costs do not.

Table 13. Cost of producing winter wheat in Douglas county, Nebraska, 1946.

	Your farm	Average		
		15 farms	5 low cost farms	5 high cost farms
NUMBER OF FARMS		15	5	5
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		2.21	1.97	2.60
Horse*		1- 2.67	-	1- 2.67
Tractor		2.19	1.97	2.50
For harvest				
Man		1.88	.99	3.11
Horse*		2- 11.47	-	2- 11.47
Tractor		1.15	.99	1.21
NUMBER OF ACRES SEEDED		36.3	47.2	21.0
NUMBER OF ACRES HARVESTED		36.2	47.2	20.6
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.33	$1.18	$1.56
Power		1.53	1.57	1.54
Equipment		.57	.63	.57
Seed		2.70	2.71	2.46
Preliminary preparation		.68	.68	.73
Miscellaneous (insurance, treating seed, etc.)		1.66	1.77	2.77
Total		$8.47	$8.54	$9.63
Total (Based on acres harvested)		$8.50	$8.54	$9.82
Harvesting costs		5.19	4.00	5.90
Total cost per acre**		$13.69	$12.54	$15.72
YIELD PER ACRE: BUSHELS				
Total yield		33.6	39.5	28.3
Tenant's yield		20.2	23.7	17.0
COST PER BUSHEL**		$.68	$.53	$.92

*The first number in the column indicates the number of farms on which horses were used; the second number indicates the average number of hours horses were used on these farms.

**Bushel costs include a land charge; acre costs do not.

Table 14. Cost of producing winter wheat in Fillmore county, Nebraska, 1946

	Your farm	Average		
		24 farms	8 low cost farms	8 high cost farms
NUMBER OF FARMS		24	8	8
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.82	1.76	2.05
Horse*		2- 6.48	1-16.55	-
Tractor		1.73	1.55	2.05
For harvest				
Man		.88	.70	1.32
Horse*		3- 1.97	-	2- 2.43
Tractor		.46	.44	.49
NUMBER OF ACRES SEEDED		103	107	72
NUMBER OF ACRES HARVESTED		102.7	107	72
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$1.09	$1.06	$1.23
Power		1.33	1.43	1.35
Equipment		.45	.47	.46
Seed		2.23	2.22	2.17
Preliminary preparation		.58	.59	.61
Miscellaneous (insurance, treating seed, etc.)		.31	.17	.81
Total		$5.99	$5.94	$6.63
Total (Based on acres harvested)		$6.00	$5.94	$6.63
Harvesting costs		4.12	4.00	4.39
Total cost per acre**		$10.12	$9.94	$11.02
YIELD PER ACRE: BUSHELS				
Total yield		20.3	25.1	16.5
Tenant's yield		13.5	16.6	11.0
COST PER BUSHEL**		$.75	$.60	$1.00

*The first number in the column indicates the number of farms on which horses were used, the second number indicates the average number of hours horses were used on these farms.
**Bushel costs include a land charge; acre costs do not.

Table 15. Cost of producing winter wheat on plowed fallow land in Perkins county, Nebraska, 1946.

	Your farm	Average		
		8 farms	3 low cost farms	3 high cost farms
NUMBER OF FARMS		8	3	3
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.38	1.20	2.65
Horse		-	-	-
Tractor		1.38	1.20	2.65
For harvest				
Man		.71	.99	.88
Horse		-	-	-
Tractor		.43	.65	.44
NUMBER OF ACRES SEEDED		111.1	97.0	42.2
NUMBER OF ACRES HARVESTED		111.1	97.0	42.2
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.83	$.72	$1.59
Power		1.98	1.70	2.05
Equipment		.70	.64	.68
Seed		.90	.75	1.24
Preliminary preparation		.70	.61	.86
Miscellaneous (insurance, treating seed, etc.)		.46	.80	.80
Total		$5.57	$5.22	$7.22
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$9.57	$9.22	$11.22
YIELD PER ACRE: BUSHELS				
Total yield		36.9	39.8	34.7
Tenant's yield		24.6	26.5	23.1
COST PER BUSHEL*		$.39	$.35	$.49

*Bushel costs include a land charge, acre costs do not.

Table 16. Cost of producing winter wheat on non-plowed fallow land in Perkins county, Nebraska, 1946.

	Your farm	Average		
		13 farms	4 low cost farms	4 high cost farms
NUMBER OF FARMS		13	4	4
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.37	1.14	1.72
Horse		-	-	-
Tractor		1.37	1.14	1.72
For harvest				
Man		.60	.47	.64
Horse		-	-	-
Tractor		.37	.34	.34
NUMBER OF ACRES SEEDED		206	319	146
NUMBER OF ACRES HARVESTED		206	319	146
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.82	$.68	$1.03
Power		1.52	1.57	1.62
Equipment		.49	.49	.58
Seed		.96	.90	1.07
Preliminary preparation		.57	.55	.65
Miscellaneous (insurance, treating seed, etc.)		.98	.46	.44
Total		$5.34	$4.65	$5.39
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$9.34	$8.65	$9.39
YIELD PER ACRE: BUSHELS				
Total yield		33.8	39.1	20.7
Tenant's yield		22.6	26.0	13.8
COST PER BUSHEL*		$.41	$.33	$.68

*Bushel costs include a land charge; acre costs do not.

Table 17. Cost of producing winter wheat on non-fallowed land in Perkins county, Nebraska, 1946.

	Your farm	Average		
		8 famrs	3 low cost farms	3 high cost farms
NUMBER OF FARMS		8	3	3
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		.60	.54	.79
Horse		-	-	-
Tractor		.59	.54	.79
For harvest				
Man		.68	.67	.60
Horse		-	-	-
Tractor		.40	.40	.34
NUMBER OF ACRES SEEDED		249	507	64
NUMBER OF ACRES HARVESTED		249	507	64
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.36	$.32	$.47
Power		.88	.93	.80
Equipment		.33	.32	.31
Seed		.90	.84	1.08
Preliminary preparation		.31	.32	.32
Miscellaneous (insurance, treating seed, etc.)		.42	.43	.60
Total		$3.20	$3.16	$3.58
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$7.20	$7.16	$7.58
YIELD PER ACRE: BUSHELS				
Total yield		25.4	27.2	14.8
Tenant's yield		16.9	18.1	9.9
COST PER BUSHEL*		$.43	$.39	$.77

*Bushel costs include a land charge; acre costs do not.

Table 18. Cost of producing winter wheat on plowed-fallow land in Cheyenne county, Nebraska, 1946.

	Your farm	Average		
		14 farms	5 low cost farms	5 high cost farms
NUMBER OF FARMS		14	5	5
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.42	1.32	1.92
Horse		-	-	-
Tractor		1.42	1.32	1.92
For harvest				
Man		.85	.82	1.22
Horse		-	-	-
Tractor		.53	.48	.72
NUMBER OF ACRES SEEDED		198	226	144
NUMBER OF ACRES HARVESTED		198	226	144
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.85	$.79	$1.15
Power		1.78	1.75	1.94
Equipment		.68	.67	.74
Seed		.96	.87	1.06
Preliminary preparation		.67	.64	.77
Miscellaneous (Insurance, treating seed, etc.)		.41	.60	.34
Total		$5.35	$5.32	$6.00
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$9.35	$9.32	$10.00
YIELD PER ACRE: BUSHELS				
Total yield		34.0	38.7	30.5
Tenant's yield		22.7	25.8	20.4
COST PER BUSHEL*		$.41	$.36	$.49

*Bushel costs include a land charge; acre costs do not.

Table 19. Cost of producing winter wheat on non-plowed fallow land in Cheyenne county, Nebraska, 1946.

	Your farm	Average		
		12 farms	4 low cost farms	4 high cost farms
NUMBER OF FARMS		12	4	4
LABOR AND POWER PER ACRE: HOURS				
Up to harvest				
Man		1.33	1.23	1.46
Horse		-	-	-
Tractor		1.33	1.23	1.46
For harvest				
Man		.63	.65	.79
Horse		-	-	-
Tractor		.52	.65	.54
NUMBER OF ACRES SEEDED		290	264	237
NUMBER OF ACRES HARVESTED		290	264	237
COST PER ACRE				
Up to harvest (Based on acres seeded)				
Man labor		$.80	$.74	$.88
Power		1.49	1.63	1.54
Equipment		.48	.51	.55
Seed		1.00	1.03	.97
Preliminary preparation		.55	.57	.59
Miscellaneous (Insurance, treating seed, etc.)		.44	.09	.83
Total		$4.76	$4.57	$5.36
Harvesting costs		4.00	4.00	4.00
Total cost per acre*		$8.76	$8.57	$9.36
YIELD PER ACRE: BUSHELS				
Total yield		34.7	38.7	30.6
Tenant's yield		23.1	25.8	20.4
COST PER BUSHEL*		$.38	$.33	$.46

*Bushel costs include a land charge; acre costs do not.

Table 20. Cost of producing winter wheat on non-fallowed land in Cheyenne county, Nebraska, 1946.

	Your farm	Average of 5 farms
NUMBER OF FARMS		5
LABOR AND POWER PER ACRE: HOURS		
Up to harvest		
Man		.68
Horse		-
Tractor		.68
For harvest		
Man		.62
Horse		-
Tractor		.45
NUMBER OF ACRES SEEDED		121
NUMBER OF ACRES HARVESTED		121
COST PER ACRE		
Up to harvest		
Man labor		.41
Power		.62
Equipment		.27
Seed		1.12
Preliminary preparation		.26
Miscellaneous (insurance, treating seed, etc.)		.08
Total		$2.76
Harvesting costs		4.00
Total cost per acre*		6.76
YIELD PER ACRE: BUSHELS		
Total yield		15.6
Tenant's yield		10.4
COST PER BUSHEL*		$.65

*Bushel costs include a land charge, acre costs do not.