

Custom Farm Work Rates

on North Dakota Farms, 2010, by North Dakota Farming Regions

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The U.S. Department of Agriculture's North Dakota Agricultural Statistics Service, Fargo, in cooperation with the North Dakota State University Extension Service and the Agricultural Experiment Station, conducted a survey of custom operators in North Dakota. Survey data for 2010 is summarized for the state as a whole and by four farming regions. This publication shows the number of reports, the range in rates, most frequently reported rate and the average rate for each operation. For some operations, data are not broken down by regions due to the small number of responses.

Custom rates include charges for the equipment, tractor or power unit used, fuel, repairs and the operator. Rates vary because of supply and demand and costs of custom operators. Exchange work between farms is not considered custom work. However, some of the low rates may represent charges by a farmer who did custom work for a neighbor. Custom operators who perform these operations as a main source of income likely would trend toward the higher rates of the range to cover operating costs and provide a return on investment, labor and management.

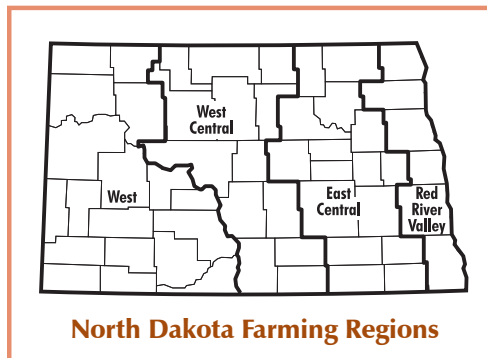
These rates are published as a guide in establishing rates for custom work, comparing ownership or leasing costs with custom work, and for settling accounts when two or more people exchange work.

Assistance in helping determine a fair custom rate may be obtained from county Extension agents or Extension Service specialists at North Dakota State University.

New for 2010

The 2010 survey includes custom rates for two new operations. The early season survey included vertical tillage. A total of 27 responses were received, with the average rate reported to be \$9.19 per acre.

The late-season survey included installing drainage tile for the first time. Only 10 responses were collected, with the average rate of \$576 per acre reported.



Custom Rates Compared With Ownership and Operating Costs

Custom rates should not be confused with the cost of owning and operating farm machinery. Presumably, custom rates are set with the knowledge of the true cost of owning and operating machinery. In practice, this is not always the case. For example, the average custom rate reported for

field cultivation is \$7.65, while an economic engineering approach suggests a range of costs from \$4.67 to \$5.96 per acre, depending on the size of the equipment. Likewise, the average custom rate for combining soybeans is \$26.03, while the economic cost estimate is \$27.90 to \$36.34, depending on machine size.

Custom rates represent a market-derived price. They reflect the supply of and demand for the services rendered, which include the use of the machine, power, fuel, repairs and the operator. Custom rates are to machinery services as market prices are to commodities. Custom rates may deviate from the cost of machinery ownership and operation, just as the market price for commodities deviates from the cost of producing the commodity.

Ownership and operating costs represent an accounting of all the resources used. These costs include depreciation, interest, repairs, fuel, taxes, insurance, housing and labor. Supply and demand will impact the price paid for machinery, which then will affect the ownership costs. However, once a machine has been purchased, the ownership cost becomes fixed relative to the life of that machine.

LAND TILLAGE, SMALL-GRAIN SEEDING AND ROW CROP PLANTING

STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	2010				2007 Average Rate	2010 as Percent of 2007
	Number of Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
	<i>Number</i>	<i>\$/Gallon</i>	<i>\$/Gallon</i>	<i>\$/Gallon</i>	<i>\$/Gallon</i>	<i>Percent</i>
DIESEL FUEL	1,365	1.52-4.00	3.00	2.64	2.64	100
	<i>Number</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>Percent</i>
LAND TILLAGE						
Primary Tillage (Deep)						
Plowing (Moldboard)	35	1.00-20.10	¹	10.03	9.65	117
Sod Breaking	24	5.00-25.10	15.00	12.08	11.24	107
Heavy Disking	62	3.00-20.00	10.00	10.25	9.11	113
Chisel Plowing	68	1.50-21.00	10.00	9.09	8.01	113
Sub-soiling (16-20 inches deep)	30	6.50-40.00	15.00	14.38	13.25	109
Disk/Chisel Plowing	46	3.00-21.75	10.00	10.47	9.13	115
Secondary Tillage (Shallow)						
Field Cultivation	73	2.00-16.50	10.00	7.65	6.96	110
One-way Disking	30	3.50-16.50	10.00	8.45	8.02	105
Tandem Disking	40	3.00-16.50	10.00	9.56	8.34	115
Rod Weeder	13	2.50-17.00	4.00	7.31	7.50	97
Rotary Hoe	26	2.00-16.00	5.00	5.56	6.20	90
Vertical Tillage	27	4.50-20.50	¹	9.19	NA	NA
Land Rolling	185	1.50-12.00	5.00	4.69	4.42	106
Light Harrowing	62	1.00-10.00	4.00	5.12	4.79	107
Heavy Harrowing	67	1.00-14.00	6.00	6.05	5.16	117
Row Crop Cultivation	27	1.00-15.00	5.00	6.96	6.68	104
SMALL GRAIN SEEDING						
With Fertilizer						
Regular Drilling	82	3.00-25.00	12.00	12.37	10.32	120
Drilling and Tillage	44	5.00-25.00	15.00	13.42	12.21	110
Pony Press Drill	16	7.50-25.00	¹	13.25	11.80	112
Air Seeding	174	2.00-25.00	15.00	14.46	12.24	118
No-till Drill	154	3.00-35.00	15.00	15.48	12.73	122
Without Fertilizer						
Regular Drilling	69	2.00-20.00	15.00	10.93	9.53	115
Drilling and Tillage	35	4.00-25.00	12.00	12.70	11.29	112
Pony Press Drill	16	7.00-20.00	10.00	11.78	11.60	102
Air Seeding	133	1.50-30.00	¹	13.24	11.46	116
No-till Drill	106	1.00-30.00	15.00	14.37	12.14	118
ROW CROP PLANTING						
With Fertilizer						
Corn, Soybean, Sunflower (Regular)	82	4.00-32.00	15.00	14.11	11.89	119
Corn, Soybean, Sunflower (Air Seed)	93	4.00-30.00	15.00	15.35	12.60	122
Dry Edible Beans	45	4.00-30.00	15.00	14.39	12.92	111
Sugarbeet	11	10.50-30.00	15.00	16.73	14.78	113
Without Fertilizer						
Corn, Soybean, Sunflower (Regular)	79	3.50-22.00	15.00	12.88	10.85	119
Corn, Soybean, Sunflower (Air Seed)	77	3.50-30.00	15.00	14.71	11.47	128
Dry Edible Beans	42	4.00-25.00	15.00	13.43	11.97	112
Sugarbeet	11	7.50-25.00	15.00	15.32	14.44	106
No-till With Fertilizer						
Corn, Soybean, Sunflower	85	4.50-25.00	15.00	14.59	13.23	110
No-till Without Fertilizer						
Corn, Soybean, Sunflower	66	3.50-22.00	15.00	13.80	12.73	108

¹Data not available due to multiple rates being reported at the highest frequency.

FERTILIZER AND PESTICIDE APPLICATION AND HAYING OPERATIONS

STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	2010				2007 Average Rate	2010 as Percent of 2007
	Number of Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
	<i>Number</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>Percent</i>
FERTILIZER APPLICATION						
Dry Fertilizer						
Broadcast	484	1.00-15.00	5.00	5.17	4.54	114
Deep Banded	73	3.00-23.00	¹	11.07	8.93	124
Liquid Fertilizer						
Anhydrous Ammonia	108	2.70-15.00	5.00	6.08	5.35	114
With Knife Applicator	86	3.50-25.00	10.00	9.39	7.62	123
While Chiseling	55	4.50-20.00	¹	10.00	8.76	114
PESTICIDE APPLICATION						
By Surface Vehicles						
Herbicides						
Broadcast, Liquid	620	3.00-25.00	5.00	5.44	4.69	116
Dry	126	2.50-15.00	5.00	5.50	4.83	114
Incorporated, Liquid	100	3.00-15.00	5.00	6.54	6.08	108
Dry	57	3.25-15.00	5.00	7.18	6.34	113
Insecticides						
Broadcast, Liquid	299	3.00-15.00	5.00	5.42	4.77	114
Dry	77	3.00-15.00	5.00	5.80	5.11	114
Incorporated, Liquid	72	3.75-15.00	5.00	6.60	5.82	113
Dry	41	3.25-15.00	5.00	7.65	6.64	115
Fungicides	309	3.00-15.00	5.00	5.51	4.81	115
Desiccants	249	3.00-15.00	5.00	5.57	4.87	114
By Aircraft (All Pesticides)						
1 Gallon	173	3.25-20.00	7.00	6.97	5.74	121
2-3 Gallons	208	4.50-22.00	7.00	7.26	5.78	126
4-5 Gallons	208	3.00-25.00	7.00	7.47	6.07	123
More than 5 Gallons	116	4.00-27.00	7.00	7.92	6.28	126
HAYING OPERATIONS						
Mowing and Raking						
Mowing	75	2.00-15.00	5.00	7.41	6.88	108
Mowing and Conditioning	93	2.50-15.00	10.00	9.73	8.95	109
Swathing	60	2.50-15.00	¹	9.13	7.88	116
Raking	46	1.00-8.00	¹	4.18	3.88	108
Baling (Wire or Twine Included)						
		<i>\$/Bale</i>	<i>\$/Bale</i>	<i>\$/Bale</i>	<i>\$/Bale</i>	
Small Square Bales, 250 lbs or less	35	0.25-7.00	1.00	1.83	1.26	145
Large Square Bales, 250+ lbs	26	1.00-16.00	10.00	8.63	7.55	114
Round Bales, 1,500 lbs or less	178	3.00-25.00	8.00	8.23	6.98	118
Round Bales, 1,500+ lbs	120	4.00-25.00	8.00	9.11	8.00	114

¹ Data not available due to multiple rates being reported at the highest frequency.

OTHER CUSTOM WORK AND HISTORICAL DATA

OTHER CUSTOM WORK, STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	2010				2007 Average Rate	2010 as Percent of 2007
	Number of Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
	<i>Number</i>	<i>\$/Head</i>	<i>\$/Head</i>	<i>\$/Head</i>	<i>\$/Head</i>	<i>Percent</i>
Branding Calves	24	1.00-8.50	1	2.69	2.13	126
Shearing Sheep	46	1.00-6.00	3.00	3.08	2.69	114
Custom Feeding Livestock		<i>\$/Head/Day</i>	<i>\$/Head/Day</i>	<i>\$/Head/Day</i>	<i>\$/Head/Day</i>	
Weaned Calves	53	0.10-5.00	1.00	1.35	1.27	106
Yearlings and Cull Cows	49	0.65-6.50	1.50	1.69	1.37	123
Wintering Pregnant Beef Cows	54	1.00-5.00	1.50	1.51	1.34	113
Calving Out Cows	32	1.00-10.00	2.00	2.25	1.95	115
On-Farm Feed Grinding and Mixing		<i>\$/Ton</i>	<i>\$/Ton</i>	<i>\$/Ton</i>	<i>\$/Ton</i>	
Mobile Truck	11	5.00-25.00	1	12.86	11.50	112
PTO Unit	10	1.50-40.00	15.00	13.55	17.64	77
Tub Grinding Hay		<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	
Farmer Supplies Power	20	18.50-220.00	85.00	101.93	77.00	132
Power Supplied	29	20.00-275.00	1	139.66	107.43	130
Self-contained Unit	143	25.00-300.00	150.00	149.57	120.44	124
		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	
Pneumatic Handling of Grain	92	0.02-1.00	0.10	0.13	0.10	130
Post Hole Digging		<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	
Digging	45	0.75-15.00	1	4.04	4.60	88
Building Multi-strand Wire Fence (No Supplies Included)		\$	\$	\$	\$	
Per Rod	36	0.50-30.00	1	8.87	8.94	99
Per Hour	30	5.00-110.00	1	32.13	23.71	136
Loader Work		<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	
Skid-Steer Loader	193	5.00-200.00	50.00	52.45	44.29	118
Tractor Loader	112	7.00-120.00	50.00	52.97	44.82	118
Industrial Loader	172	22.50-200.00	100.00	92.30	75.52	122

¹ Data not available due to multiple rates being reported at the highest frequency.

HISTORICAL DATA, STATEWIDE AVERAGES, NORTH DAKOTA, 1986 - 2010

Operation	1986	1989	1992	1995	1998	2001	2004	2007	2010
	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>
Plowing (Moldboard)	6.25	6.19	6.43	6.78	7.48	7.22	8.44	9.65	10.03
Chisel Plowing	4.96	4.68	4.51	4.93	5.41	5.47	5.99	8.01	9.09
Field Cultivation	3.63	3.70	3.81	4.13	4.40	4.85	5.15	6.96	7.65
Small-grain Drilling									
Regular, With Fertilizer	4.78	4.76	5.28	6.00	6.48	7.30	7.95	10.32	12.37
Regular, Without Fertilizer	4.44	4.53	4.76	5.44	6.27	6.38	7.18	9.53	10.93
Air Seeding ¹	5.46	5.27	6.29	7.36	7.92	8.50	9.49	11.46	13.24
No-till Drilling ¹	7.06	7.08	8.02	8.60	9.00	9.19	10.26	12.14	14.37
Fertilizer Application									
Dry Fertilizer (Broadcast)	2.29	2.42	2.66	2.95	3.27	3.64	3.87	4.54	5.17
Liquid Fertilizer	3.10	3.18	3.33	3.44	3.70	4.49	4.42	5.35	6.08
Anhydrous Ammonia									
With Knife Applicator	4.35	4.14	4.16	4.66	5.11	5.33	6.12	7.62	9.39
While Chiseling	4.90	4.92	5.09	5.38	5.79	6.32	6.61	8.76	10.00
Ground Application of:									
Liquid Herbicides (Broadcast)	2.02	2.21	2.48	2.85	3.32	3.89	4.07	4.69	5.44
Liquid Insecticides (Broadcast)	2.27	2.37	2.65	2.88	3.38	3.93	4.11	4.77	5.42
Haying									
Mowing and Conditioning	5.28	5.55	6.15	6.77	6.76	7.06	7.14	8.95	9.73
Swathing	4.11	4.21	4.53	4.89	5.31	5.72	6.01	7.88	9.13
Raking	2.28	2.36	2.29	2.60	2.54	2.90	3.47	3.88	4.18
Post Holes	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>
Digging	1.96	1.71	1.90	1.82	2.38	2.49	2.64	4.60	4.04

¹ Without fertilizer.

FARMING REGION AVERAGES, NORTH DAKOTA, 2010

Region	Moldboard Plowing				Heavy Disking				Chisel Plowing			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	6	1.00-20.00	15.00	11.25	11	5.00-15.00	10.00	10.32	14	1.50-15.00	10.00	9.04
WC	5	5.50-15.00	¹	9.40	10	6.00-19.00	9.00	11.20	10	4.50-21.00	¹	9.55
EC	17	1.00-20.00	¹	10.41	30	5.00-20.00	10.00	10.12	30	4.00-15.00	10.00	9.37
RRV	7	2.29-20.10	4.00	8.48	11	3.00-18.25	10.00	9.66	14	4.50-11.00	10.00	8.21
STATE	35	1.00-20.10	¹	10.03	62	3.00-20.00	10.00	10.25	68	1.50-21.00	10.00	9.09

Region	Field Cultivation				Tandem Disking				Light Harrowing			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	10	4.50-15.00	10.00	9.65	8	5.00-15.00	¹	10.31	10	3.00-10.00	¹	5.98
WC	6	5.00-15.00	¹	9.17	6	8.50-15.00	15.00	13.08	13	2.00-10.00	2.00	5.50
EC	36	4.00-10.00	¹	7.33	15	5.00-10.00	10.00	8.05	25	2.50-10.00	4.00	5.08
RRV	21	2.00-16.50	5.50	6.81	11	3.00-16.50	10.00	9.14	14	1.00-7.50	4.00	4.23
STATE	73	2.00-16.50	10.00	7.65	40	3.00-16.50	10.00	9.56	62	1.00-10.00	4.00	5.12

Region	Heavy Harrowing				Row Crop Cultivation				Regular Drilling With Fertilizer			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	12	1.75-12.00	¹	6.31	3	²	²	²	18	5.00-25.00	12.00	13.03
WC	20	2.00-10.00	10.00	6.15	3	²	²	²	23	6.00-25.00	15.00	13.33
EC	22	2.50-10.00	6.00	5.93	12	4.00-10.00	5.00	6.13	26	4.50-20.00	¹	11.54
RRV	13	1.00-14.00	6.00	5.87	9	3.00-12.00	7.00	7.00	15	3.00-20.00	¹	11.57
STATE	67	1.00-14.00	6.00	6.05	27	1.00-15.00	5.00	6.96	82	3.00-25.00	12.00	12.37

Region	Drilling and Tillage With Fertilizer				Air Seeding With Fertilizer				No-till With Fertilizer			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	10	10.50-18.00	¹	13.95	44	10.00-21.00	15.00	15.91	55	10.00-30.00	18.00	16.28
WC	8	10.00-25.00	10.00	14.44	49	9.00-25.00	15.00	14.23	43	8.00-35.00	15.00	15.26
EC	15	5.00-15.00	15.00	12.53	60	7.00-20.00	15.00	13.99	39	5.00-30.00	15.00	15.13
RRV	11	5.00-25.00	¹	13.41	21	2.00-22.00	15.00	13.24	17	3.00-35.00	15.00	14.29
STATE	44	5.00-25.00	15.00	13.42	174	2.00-25.00	15.00	14.46	154	3.00-35.00	15.00	15.48

Region	Corn, Soybean and Sunflower Planting Without Fertilizer				Dry Fertilizer Application (Broadcast)				Liquid Fertilizer Application			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	8	7.50-20.00	20.00	14.94	96	2.50-9.00	5.00	4.92	18	4.00-12.00	5.00	6.07
WC	15	8.00-16.50	¹	12.37	100	2.50-10.00	5.00	4.80	17	3.75-15.00	5.00	6.53
EC	35	4.00-22.00	15.00	13.02	174	1.00-15.00	5.00	5.39	41	5.00-15.00	5.00	6.27
RRV	21	3.50-18.00	15.00	12.22	114	2.50-10.00	6.00	5.36	32	2.70-10.00	6.00	5.59
STATE	79	3.50-22.00	15.00	12.88	484	1.00-15.00	5.00	5.17	108	2.70-15.00	5.00	6.08

¹ Data not available due to multiple rates being reported at the highest frequency. ² Withheld due to insufficient data.

FARMING REGION AVERAGES, NORTH DAKOTA, 2010

Region	Anhydrous Ammonia With Knife Applicator				Anhydrous Ammonia With Chisel				Liquid Herbicide Application (Broadcast)			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	17	5.00-15.00	1	9.21	13	5.00-15.00	12.00	9.60	149	3.00-25.00	5.00	5.36
WC	17	4.00-15.00	1	9.79	12	5.00-20.00	15.00	12.54	151	3.00-23.33	5.00	5.21
EC	39	5.00-25.00	7.00	9.83	20	5.00-16.00	10.00	9.30	216	3.00-15.00	5.50	5.60
RRV	13	3.50-12.00	8.00	7.75	10	4.50-18.00	7.50	8.86	104	3.50-8.50	6.00	5.55
STATE	86	3.50-25.00	10.00	9.39	55	4.50-20.00	1	10.00	620	2.00-25.00	5.00	5.44

Region	Liquid Insecticide Application (Broadcast)				Aerial Spraying 2 - 3 Gallons Per Acre				Aerial Spraying 4 - 5 Gallons Per Acre			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre
W	65	3.00-12.00	5.00	5.19	31	4.50-20.00	7.00	7.42	27	5.00-20.00	7.00	8.02
WC	55	3.00-15.00	5.00	5.40	39	5.00-12.00	6.00	7.04	46	3.00-12.00	7.50	7.16
EC	111	3.00-15.00	1	5.50	73	5.00-22.00	7.00	7.30	77	4.00-25.00	7.00	7.58
RRV	68	4.00-7.00	6.00	5.54	65	5.50-17.50	7.00	7.26	58	5.75-20.00	7.00	7.32
STATE	299	3.00-15.00	5.00	5.42	208	4.50-22.00	7.00	7.26	208	3.00-25.00	7.00	7.47

Region	Mowing and Conditioning Hay				Swathing Hay				Small Square Baling 250 Lbs or Less			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Acre	\$/Acre	\$/Acre		\$/Acre	\$/Acre	\$/Acre		\$/Bale	\$/Bale	\$/Bale
W	35	5.00-15.00	8.00	9.37	34	3.00-15.00	1	10.12	11	0.50-5.00	1.00	1.89
WC	25	4.00-15.00	10.00	9.95	10	5.00-14.00	1	8.45	10	0.40-7.00	1.00	2.02
EC	24	5.00-15.00	10.00	9.93	13	3.00-12.00	1	7.46	10	0.25-2.75	1	1.20
RRV	9	2.50-14.00	1	10.00	3	2	2	2	4	0.30-6.00	1	2.76
STATE	93	2.50-15.00	10.00	9.73	60	2.50-15.00	1	9.13	35	0.25-7.00	1.00	1.83

Region	Round Baling 1,500 Lbs or Less				Round Baling More Than 1,500 Lbs				Tub Grinding Self-contained Unit			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Bale	\$/Bale	\$/Bale		\$/Bale	\$/Bale	\$/Bale		\$/Hour	\$/Hour	\$/Hour
W	56	4.00-12.50	10.00	8.13	38	4.75-15.00	8.00	8.70	50	50.00-300.00	150.00	145.66
WC	54	5.00-25.00	10.00	9.04	28	5.00-12.00	10.00	8.44	39	65.00-280.00	1	151.80
EC	54	3.00-15.00	7.00	7.69	46	4.00-25.00	8.00	9.77	42	75.00-250.00	150.00	155.83
RRV	14	4.00-15.00	1	7.61	8	4.00-22.50	7.00	9.56	12	25.00-250.00	125.00	136.67
STATE	178	3.00-25.00	8.00	8.23	120	4.00-25.00	8.00	9.11	143	25.00-300.00	150.00	149.57

Region	Pneumatic Grain Handling				Skid-Steer Loader				Industrial Loader			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		\$/Bushel	\$/Bushel	\$/Bushel		\$/Hour	\$/Hour	\$/Hour		\$/Hour	\$/Hour	\$/Hour
W	29	0.02-1.00	0.10	0.16	65	5.00-200.00	60.00	55.38	51	40.00-175.00	80.00	92.90
WC	18	0.03-0.50	0.05	0.13	56	12.00-150.00	1	52.32	55	40.00-200.00	100.00	97.36
EC	28	0.05-0.16	0.05	0.09	52	10.00-100.00	50.00	50.94	50	25.00-175.00	100.00	88.50
RRV	17	0.03-0.80	0.10	0.15	20	5.00-100.00	50.00	47.23	16	22.50-120.00	100.00	84.84
STATE	92	0.02-1.00	0.10	0.13	193	5.00-200.00	50.00	52.45	172	22.50-200.00	100.00	92.30

¹ Data not available due to multiple rates being reported at the highest frequency. ² Withheld due to insufficient data.

HARVESTING CROPS, SEED PREPARATION AND MACHINE RENTAL

STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	Unit	2010				2007 Average Rate	2010 as Percent of 2007
		Number of Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
		<i>Number</i>	<i>\$/Gallon</i>	<i>\$/Gallon</i>	<i>\$/Gallon</i>		
Diesel Fuel		1,479	1.58-3.89	3.00	2.73	2.87	95
		<i>Number</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>Percent</i>
Harvesting Grain Crops							
Swathing Grain							
Self-propelled	Acre	93	3.00-25.00 ₁	8.00 ₁	8.78 ₁	7.79	113 ₁
	Hour	1				38.60	
Pull-type	Acre	36	4.00-16.00	8.00	8.12	7.63	106
Swathing Canola							
Self-propelled	Acre	81	4.00-25.00	10.00 ₂	9.20	7.92	116
	Hour	4	8.00-100.00		54.50	47.60	115
Pull-type	Acre	31	6.00-18.00	8.00	8.98	7.77	116
Combining From Swaths							
Small Grains and Flaxseed	Acre	162	8.00-39.00	30.00	25.44	20.04	127
	Hour	6	75.00-200.00	125.00	130.00	97.54	133
Dry Edible Beans	Acre	41	15.00-50.00 ₁	30.00 ₁	29.80 ₁	23.11	129 ₁
	Hour	0				153.75	
Canola	Acre	115	10.00-39.00 ₁	25.00 ₁	26.47 ₁	20.55	129 ₁
	Hour	3				107.50	
Straight Combining							
Small Grains and Flaxseed	Acre	520	4.00-40.00	30.00 ₂	25.75	20.41	126
	Hour	16	18.00-200.00		107.56	113.25	95
Corn	Acre	141	11.00-50.00 ₁	30.00 ₁	28.04 ₁	22.81	123 ₁
	Hour	1				123.75	
Sunflower	Acre	90	14.00-38.50 ₁	25.00 ₁	26.28 ₁	20.32	129 ₁
	Hour	1				86.17	
Soybeans	Acre	213	12.00-40.00	25.00	26.03	21.31	122
	Hour	7	100.00-175.00	100.00	133.86	117.08	114
Dry Edible Beans	Acre	71	15.00-50.00	30.00 ₂	29.28	23.27 ₁	126 ₁
	Hour	4	80.00-245.00		153.00		
Dry Bean Harvesting							
Cutting Only (Knifing)	Acre	10	8.00-30.00	15.00 ₂	17.26	12.93	133
Windrowing (After Knifing)	Acre	6	4.75-15.00		8.38	8.95	94
Cutting and Windrowing (One Operation)	Acre	16	8.00-45.00	35.00	25.75	20.96	123
Sugarbeet Harvesting							
Topping	Acre	6	14.00-30.00	₂	20.98	14.00 ₁	150 ₁
Lifting	Acre	5	25.00-65.00	₂	47.75		
Making Corn Silage							
Field Chopping Only	Acre	23	16.00-100.00	35.00	46.52	35.45	131
	Hour	16	50.00-600.00	600.00	284.69	296.45	96
Field Chopping and Hauling	Acre	63	20.00-150.00	65.00	60.51	43.83	138
	Hour	50	30.00-800.00	500.00	412.30	401.16	103
Shredding Corn Stalks	Acre	16	5.00-17.00	10.00	10.84	8.04	135
Seed Preparation							
Seed Grain							
Cleaning Only	Gross Bu	373	0.03-1.35	0.50 ₂	0.475	0.436	109
Treating Only	Gross Bu	36	0.10-3.00		0.795	0.801	99
Cleaning and Treating	Gross Bu	29	0.25-4.00	0.60	1.097	1.169	94
Flaxseed							
Cleaning Only	Gross Bu	73	0.15-3.00	1.00 ₂	0.898	0.784	115
Treating Only	Gross Bu	4	0.10-0.90		0.425	0.673	63
Cleaning and Treating	Gross Bu	6	0.50-1.25	1.00	0.840	1.115	75
Machine Rental							
Tractor							
Less than 100 Horsepower	Hour ³	41	9.00-100.00	₂	39.35	31.67	124
100-200 Horsepower	Hour ³	58	9.75-180.00	30.00	47.41	47.03	101
More than 200 Horsepower	Hour ³	59	12.00-200.00	100.00	67.02	59.16	113
Combine							
Acre	Hour ³	26	5.00-30.00	20.00	15.81	14.44	109
Hour ³	Hour ³	110	20.00-250.00	150.00	143.80	108.51	133
Corn Head Rental Only	Acre	26	1.00-12.00	8.00	7.58	NA	NA
Grain Cart Rental	Acre	7	1.00-5.00	1.00	2.14	3.38	63
	Hour ³	4	5.00-50.00	₂	19.75	22.08	89
Swather							
Self-propelled	Acre	14	3.50-20.00	₂	7.71	6.17	125
	Hour ³	6	7.00-80.00	₂	44.50	41.36	108
Pull-type	Acre	10	1.25-11.00 ₁	₂	5.33 ₁	5.18 ₁	103 ₁
	Hour ³	2		₁			
Field Roller	Acre	161	0.75-9.00 ₁	2.00 ₁	3.19 ₁	3.05	105 ₁
	Hour ³	2				5.88	

¹ Withheld due to insufficient data. ² Data not available due to multiple rates being reported at the highest frequency. ³ Rates for machine rentals are in tachometer hours. NA=Not Available

DRYING AND HAULING CROPS, HAY AND CATTLE

STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	Unit	Basic Charge - 2010					2007 Average Rate	2010 as % of 2007	Extra Charge-2010	
		Number of Reports	Range In Rates	Most Frequent Rate Reported	Average Maximum Moisture Content	Average Rate			No. Rpts	For Each Additional 1% Moisture Removed
		<i>Number</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>Percent</i>	<i>\$/Unit</i>			<i>\$/Unit</i>	<i>Percent</i>
Drying Grain										
Small Grains	Bu	87	0.03-0.65	0.15	16.00	0.166	0.128	130	41	0.057
Corn	Bu	51	0.02-0.65	0.05	17.87	0.171	0.141	121	26	0.043
Sunflower	Cwt	10	0.02-0.40	0.20	13.56	0.191	0.187	102	8	0.061
Flaxseed	Bu	5	0.10-0.40	0.10	13.80	0.174	0.132	132	4	0.043
Soybeans	Bu	14	0.04-0.25	1	15.90	0.118	0.105	112	9	0.042

STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	Unit	Basic Charge - 2010					2007 Average Rate	2010 as % of 2007	Extra Charge-2010	
		Number of Reports	Range In Rates	Most Frequent Rate Reported	Average Base Mileage	Average Rate			No. Rpts	Per 10 Miles Over Base Mileage
		<i>Number</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>Miles</i>	<i>\$/Unit</i>			<i>\$/Unit</i>	<i>Percent</i>
Hauling Crops										
Wheat, All	Bu	242	0.01-0.92	0.10	32.27	0.174	0.157	111	33	0.527
Barley	Bu	91	0.01-0.40	0.10	28.43	0.157	0.154	102	16	0.053
Oats	Bu	70	0.01-0.35	1	25.76	0.153	0.146	105	15	0.062
Sunflower	Cwt	19	0.05-1.10	0.40	37.72	0.311	0.376	83	8	0.065
Canola	Cwt	32	0.05-1.42	1	55.33	0.331	0.284	117	9	0.070
Flaxseed	Bu	34	0.03-0.50	1	24.33	0.162	0.139	117	11	0.455
Corn	Bu	55	0.03-0.56	0.10	45.41	0.173	0.151	115	14	0.044
Hauling Silage	Ton	2	2	2	2	2	0.551	2	2	2
Sugarbeets	Ton	9	1.77-7.00	1	18.71	5.077	3.338	152	1	2

STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	Unit	Basic Charge - 2010				2007 Average Rate	2010 as % of 2007	Loading Charge-2010	
		Number of Reports	Range In Rates	Most Frequent Rate Reported	Average Rate			No. Rpts	Charge
		<i>Number</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>			<i>\$/Unit</i>	<i>Percent</i>
Hauling Hay By the Load (Loose and Bales)									
Less than 10 tons	Mile ³	47	1.00-6.00	5.00	3.80	3.26	117	30	17.65
10-20 tons	Mile ³	74	2.00-6.00	5.00	4.13	3.53	117	49	23.81
Over 20 tons	Mile ³	62	2.00-6.00	4.00	3.89	3.84	101	35	26.54
By the Bale									
Large Sq Bales ⁴	Bale	9	1.79-5.00	1	3.02	3.32	91		
Large Rd Bales ⁴	Bale	63	0.89-10.00	5.00	4.22	3.43	123		
Hauling Cattle									
Gooseneck Trailer	Mile ⁵	133	1.00-6.00	3.00	3.04	2.86	106	No Rpts: 52	Average Cwt/Load: 149.41
Semi Trailer	Mile ⁵	192	0.70-20.00	4.00	4.14	3.60	115	122	430.72

¹Data not available due to multiple rates being reported at the highest frequency. ²Withheld due to insufficient data. ³Loaded mile excludes loading. ⁴Average rate based on an average of 20.0 miles for large square bales and 22.3 miles for large round bales. Extra charges applied for hauls exceeding this base mileage were \$1.63 per mile for large round bales. ⁵Loaded mile.

OTHER CUSTOM WORK AND HISTORICAL DATA

OTHER CUSTOM WORK, STATEWIDE AVERAGES, NORTH DAKOTA, 2010

Operation	2010					2007 Average Rate	2010 as Percent of 2007
	Unit	Number of Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
Custom Farming ¹		<i>Number</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>Percent</i>
Small Grains	Acre	72	4.00-135.00	²	39.97	36.62	109
Row Crops	Acre	34	12.00-150.00	²	53.41	42.51	126
Miscellaneous							
Mowing/Clipping CRP	Acre	98	1.80-18.00	10.00	8.19	7.73	106
	Hour	25	5.00-155.00	100.00	75.84	58.37	130
On-farm Grain Bin Storage	Cents/Bu/Month	177	0.01-0.20	0.03	0.04	0.03	133
On-farm Grain Bin Storage	Cents/Bu/Year	119	0.01-0.96	0.10	0.14	0.12	117
Machine Shed Rental	Cents/Sq Ft/Month	7	0.02-0.42	²	0.17	0.11	155
Machine Shed Rental	Cents/Sq Ft/Year	11	0.06-3.00	1.00	0.62	0.47	132
Surface Drainage	Hour	26	20.00-200.00	²	127.35	101.67	125
Installing Drainage Tile	Acre	10	400.00-800.00	600.00	576.00	NA	NA
Land Leveling	Hour	11	5.00-290.00	100.00	103.00	87.12	118
Rock Picking	Hour	22	10.00-170.00	20.00	63.77	42.24	151
Snow Removal							
Front-end Loader	Hour	166	5.00-200.00	50.00	74.77	56.11	133
Tractor Blower	Hour	159	5.00-300.00	50.00	71.12	51.80	137

¹ Includes all necessary farming operations from field preparation through harvesting. ² Data not available due to multiple rates being reported at the highest frequency. NA = Not Available.

HISTORICAL DATA, STATEWIDE AVERAGES, NORTH DAKOTA, 1986 - 2010

Operation	Unit	1986	1989	1992	1995	1998	2001	2004	2007	2010
Swathing Grain		<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>	<i>\$/Unit</i>
Self-propelled	Acre	3.67	3.94	4.22	4.46	5.04	5.47	6.21	7.79	8.78
PTO Unit	Acre	3.39	3.68	4.03	4.23	4.58	5.23	5.75	7.63	8.12
Combining From Swaths										
Small Grains and Flaxseed ¹	Acre	11.59	11.82	13.13	13.70	13.82	14.72	16.12	20.04	25.44
Dry Beans	Acre	14.65	16.27	18.20	18.18	19.06	19.06	21.02	23.11	29.80
Straight Combining										
Small Grains and Flaxseed ¹	Acre	11.71	11.80	13.15	13.74	13.88	15.03	16.27	20.41	25.75
Corn	Acre	14.46	14.05	15.23	16.33	16.26	17.33	18.43	22.81	28.04
Sunflower	Acre	12.54	12.40	13.54	14.14	14.49	15.29	16.31	20.32	26.28
Soybeans	Acre	14.08	14.20	15.70	15.57	16.10	16.72	18.22	21.31	26.03
Dry Beans	Acre	15.46	16.46	18.39	17.96	19.10	18.29	19.64	23.27	29.28
Making Corn Silage										
Chopping Only	Acre	16.06	16.83	17.65	18.51	18.69	20.78	26.75	35.45	46.52
Chopping and Hauling	Acre	19.54	20.02	21.65	22.62	23.62	26.26	37.55	43.83	60.51
Drying										
Small Grains	Bushel	0.131	0.118	0.108	0.111	0.123	0.113	0.145	0.128	0.166
Flaxseed	Bushel	0.153	0.124	0.110	0.134	0.134	0.109	0.168	0.132	0.174
Corn	Bushel	0.164	0.126	0.115	0.123	0.146	0.132	0.179	0.141	0.171
Sunflower	Cwt	0.204	0.200	0.157	0.152	0.171	0.165	0.168	0.187	0.191
Soybeans	Bushel	NA	NA	0.093	0.085	0.115	0.125	0.147	0.105	0.118
Hauling										
Wheat	Bushel	0.096	0.092	0.090	0.098	0.109	0.116	0.123	0.157	0.174
Barley	Bushel	0.093	0.089	0.088	0.094	0.101	0.117	0.119	0.154	0.157
Oats	Bushel	0.087	0.088	0.087	0.094	0.100	0.107	0.107	0.146	0.153
Flaxseed	Bushel	0.088	0.094	0.091	0.097	0.124	0.107	0.139	0.139	0.162
Corn	Bushel	0.086	0.085	0.087	0.097	0.101	0.114	0.110	0.151	0.173
Sunflower	Cwt	0.168	0.202	0.196	0.189	0.339	0.378	0.413	0.376	0.311
Seed Grain Preparation										
Cleaning Only	Gross Bu	0.277	0.291	0.299	0.321	0.340	0.361	0.380	0.436	0.475
Treating Only	Gross Bu	0.393	0.437	0.504	0.552	0.519	0.514	0.542	0.801	0.795
Cleaning and Treating	Gross Bu	0.643	0.718	0.784	0.800	0.726	0.846	0.915	1.169	1.097
Farm Drainage/Ditching ²	Hour	54.48	50.34	58.66	63.49	76.25	84.80	86.03	101.67	127.35
Land Leveling	Hour	51.17	48.03	58.31	60.61	63.26	64.31	72.21	87.12	103.00
Rock Picking	Hour	35.34	37.55	40.20	39.26	52.29	42.72	42.99	42.24	63.77

¹ Averages for years 1986-1998 do not include flaxseed. ² Farm Drainage/Ditching is synonymous with the term Surface Drainage used in the 2010 survey. NA = Not Available.

FARMING REGION AVERAGES, NORTH DAKOTA, 2010

Region	Swathing Grain Self-propelled				Swathing Grain PTO Unit				Swathing Canola Self-propelled			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
W	23	\$/Acre 3.00-13.50	\$/Acre 7.00	\$/Acre 8.50	6	\$/Acre 7.00-10.00	¹	\$/Acre 8.07	13	\$/Acre 7.00-13.50	¹	\$/Acre 9.15
WC	39	3.00-25.00	¹	8.42	16	4.00-12.50	8.00	7.81	35	4.00-25.00	8.00	8.99
EC	24	6.00-16.00	¹	9.54	13	4.00-16.00	8.00	8.54	27	5.00-16.00	10.00	9.41
RRV	7	8.00-12.00	9.00	9.14	1	²	²	²	6	9.00-11.00	9.00	9.67
STATE	93	3.00-25.00	8.00	8.78	36	4.00-16.00	8.00	8.12	104	3.00-25.00	10.00	9.20
Region	Swathing Canola PTO Unit				Combining Small Grains and Flaxseed From Swath				Combining Dry Beans From Swath			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
W	7	\$/Acre 6.00-10.00	\$/Acre 10.00	\$/Acre 8.43	41	\$/Acre 18.00-35.00	\$/Acre 30.00	\$/Acre 27.30	3	\$/Acre ²	\$/Acre ²	\$/Acre ²
WC	15	7.00-18.00	8.00	9.33	55	12.00-34.00	25.00	23.95	8	15.00-40.00	25.00	24.38
EC	9	6.00-16.00	8.00	8.83	50	8.00-39.00	¹	26.23	18	17.00-50.00	30.00	32.75
RRV	0	²	²	²	16	15.00-39.00	¹	23.31	12	20.00-40.00	30.00	30.28
STATE	31	6.00-18.00	8.00	8.98	162	8.00-39.00	30.00	25.44	41	15.00-50.00	30.00	29.80
Region	Combining Canola From Swath				Straight Combining Small Grains and Flaxseed				Combining Corn			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
W	23	\$/Acre 18.00-34.00	\$/Acre 28.00	\$/Acre 27.37	197	\$/Acre 12.00-40.00	\$/Acre 30.00	\$/Acre 26.69	24	\$/Acre 20.00-40.00	\$/Acre 30.00	\$/Acre 28.75
WC	40	12.00-34.00	25.00	25.98	146	12.00-35.50	25.00	25.82	33	15.00-40.00	¹	25.70
EC	43	10.00-39.00	¹	26.81	128	4.00-40.00	30.00	25.26	57	11.00-50.00	30.00	29.61
RRV	9	12.00-32.00	¹	24.77	49	4.00-40.00	25.00	23.06	27	12.00-42.50	¹	26.96
STATE	115	10.00-39.00	25.00	26.47	520	4.00-40.00	30.00	25.75	141	11.00-50.00	30.00	28.04
Region	Combining Sunflower				Straight Combining Soybeans				Straight Combining Dry Beans			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
W	18	\$/Acre 17.00-38.50	\$/Acre 25.00	\$/Acre 26.25	17	\$/Acre 18.00-40.00	¹	\$/Acre 26.35	10	\$/Acre 18.00-30.00	\$/Acre 30.00	\$/Acre 25.45
WC	37	15.00-37.00	25.00	25.74	44	15.00-35.00	25.00	26.53	14	15.00-40.00	25.00	25.25
EC	23	16.00-35.00	25.00	27.65	109	14.00-40.00	30.00	26.79	34	20.00-50.00	¹	32.25
RRV	12	14.00-34.00	30.00	25.37	43	12.00-38.00	25.00	23.45	13	20.00-40.00	30.00	28.80
STATE	90	14.00-38.50	25.00	26.28	213	12.00-40.00	25.00	26.03	71	15.00-50.00	30.00	29.28
Region	Chopping Corn Silage				Chopping and Hauling Corn Silage				Cleaning Seed Grain			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
W	6	\$/Acre 25.00-65.00	\$/Acre ¹	\$/Acre 43.33	27	\$/Acre 50.00-100.00	\$/Acre 65.00	\$/Acre 65.48	137	\$/Gross Bu 0.08-1.35	\$/Gross Bu 0.50	\$/Gross Bu 0.453
WC	9	16.00-100.00	40.00	42.22	21	25.00-150.00	¹	59.10	120	0.03-1.00	0.50	0.457
EC	7	35.00-80.00	¹	56.43	12	20.00-100.00	40.00	52.75	78	0.12-1.10	0.50	0.504
RRV	1	²	²	²	3	²	²	²	38	0.06-1.00	0.50	0.546
STATE	23	16.00-100.00	35.00	46.52	63	20.00-150.00	65.00	60.51	373	0.03-1.35	0.50	0.475
Region	Cleaning Flaxseed				Treating Seed Grain				Cleaning and Treating Seed Grain			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
W	16	\$/Gross Bu 0.30-3.00	\$/Gross Bu ¹	\$/Gross Bu 0.938	6	\$/Gross Bu 0.10-1.00	\$/Gross Bu ¹	\$/Gross Bu 0.542	10	\$/Gross Bu 0.25-1.40	\$/Gross Bu 0.60	\$/Gross Bu 0.598
WC	39	0.35-1.50	1.00	0.965	13	0.10-1.20	0.10	0.472	8	0.40-1.60	¹	0.731
EC	15	0.15-1.20	1.00	0.676	9	0.20-3.00	0.40	0.856	6	0.35-4.00	¹	1.657
RRV	3	²	²	²	8	0.25-2.50	¹	1.443	5	0.75-3.25	0.75	2.010
STATE	73	0.15-3.00	1.00	0.898	36	0.10-3.00	0.10	0.795	29	0.25-4.00	0.60	1.097

¹ Data not available due to multiple rates being reported at the highest frequency. ² Withheld due to insufficient data.

FARMING REGION AVERAGES, NORTH DAKOTA, 2010

Region	Drying Small Grains					Drying Corn						
	No. Rpts	Range	Most Frequent	Average Rate	Avg. Maximum Moisture Content	No. Rpts	Range	Most Frequent	Average Rate	Avg. Maximum Moisture Content		
		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Percent</i>		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Percent</i>		
W	10	0.03-0.50	¹	0.208	15.90	2	²	²	²	²		
WC	32	0.04-0.65	0.15	0.185	16.05	6	0.05-0.30	¹	0.152	16.25		
EC	25	0.04-0.25	0.15	0.143	16.35	26	0.02-0.50	0.05	0.147	18.22		
RRV	20	0.05-0.50	¹	0.143	15.52	17	0.04-0.65	0.05	0.202	18.06		
STATE	87	0.03-0.65	0.15	0.166	16.00	51	0.02-0.65	0.05	0.171	17.87		
Region	Hauling Wheat					Hauling Oats						
	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage		
		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Miles</i>		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Miles</i>		
W	99	0.02-0.92	0.20	0.200	37.82	21	0.07-0.35	0.20	0.175	31.95		
WC	57	0.01-0.80	0.12	0.189	28.54	20	0.01-0.35	¹	0.143	17.88		
EC	65	0.01-0.25	0.10	0.141	27.14	21	0.05-0.25	0.10	0.142	27.24		
RRV	21	0.04-0.35	¹	0.119	32.35	8	0.06-0.35	0.15	0.148	23.33		
STATE	242	0.01-0.92	0.10	0.174	32.27	70	0.01-0.35	¹	0.153	25.76		
Region	Hauling Barley					Hauling Sunflower						
	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage		
		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Miles</i>		<i>\$/Cwt</i>	<i>\$/Cwt</i>	<i>\$/Cwt</i>	<i>Miles</i>		
W	25	0.07-0.40	0.20	0.191	31.33	3	²	²	²	²		
WC	24	0.01-0.35	0.10	0.145	17.95	5	0.12-1.10	¹	0.376	47.40		
EC	32	0.05-0.40	0.10	0.153	34.71	9	0.05-1.00	0.40	0.331	29.67		
RRV	10	0.07-0.15	0.15	0.117	25.56	2	²	²	²	²		
STATE	91	0.01-0.40	0.10	0.157	28.43	19	0.05-1.10	0.40	0.311	37.72		
Region	Hauling Canola					Hauling Flaxseed						
	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage		
		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Miles</i>		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Miles</i>		
W	10	0.10-1.42	²	0.482	86.00	8	0.09-0.35	¹	0.158	23.75		
WC	9	0.12-0.65	¹	0.319	37.14	13	0.03-0.50	¹	0.197	24.80		
EC	11	0.05-0.45	0.25	0.219	30.44	11	0.05-0.25	¹	0.133	25.64		
RRV	2	²	²	²	²	2	²	²	²	²		
STATE	32	0.05-1.42	¹	0.331	55.33	34	0.03-0.50	¹	0.162	24.33		
Region	Hauling Corn					On Farm Grain Bin Storage Per Month						
	No. Rpts	Range	Most Frequent	Average Rate	Average Base Mileage	No. Rpts	Range	Most Frequent	Average Rate	Average Rate		
		<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>Miles</i>		<i>¢/Bushel</i>	<i>¢/Bushel</i>	<i>¢/Bushel</i>	<i>¢/Bushel</i>		
W	8	0.09-0.55	¹	0.201	76.43	69	0.01-0.20	0.03	0.03	0.046		
WC	12	0.03-0.56	0.16	0.248	50.00	44	0.01-0.15	0.03	0.03	0.048		
EC	23	0.07-0.43	0.10	0.153	33.29	38	0.01-0.15	0.03	0.03	0.041		
RRV	12	0.08-0.35	0.10	0.118	44.10	26	0.01-0.10	0.02	0.02	0.028		
STATE	55	0.03-0.56	0.10	0.173	45.41	177	0.10-0.20	0.03	0.03	0.043		
Region	Custom Farming Small Grain ³				Custom Farming Row Crops ³				Rock Picking			
	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate	No. Rpts	Range	Most Frequent	Average Rate
		<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>		<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>		<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>
W	29	4.00-75.00	14.00	26.97	10	13.00-70.00	18.00	26.30	6	20.00-75.00	20.00	33.83
WC	19	12.00-100.00	12.00	40.53	7	12.00-125.00	¹	52.21	8	25.00-140.00	¹	88.13
EC	19	4.50-135.00	100.00	60.26	12	15.00-150.00	75.00	75.21	6	10.00-170.00	¹	60.00
RRV	5	16.00-55.00	55.00	36.20	5	20.00-100.00	65.00	57.00	2	²	²	²
STATE	72	4.00-135.00	12.00	39.97	34	12.00-150.00	18.00	53.41	22	10.00-170.00	20.00	63.77

¹ Data not available due to multiple rates being reported at the highest frequency. ² Withheld due to insufficient data. ³ Includes all necessary farming operations from field preparation through harvesting.



Survey Summary

The custom rate survey is conducted every three years.

The 2010 survey, conducted in two parts, summarized more than 6,200 reports from farmers and ranchers, aerial sprayers, elevators, custom harvesters and other custom operators.

The average rates reported in the previous survey (2007) are included for comparison.

Most rates have increased 10 to 20 percent since the last survey, except combining, which increased 25 to 30 percent.

For more information on this and other topics, see: www.ag.ndsu.edu

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2M-12-07; 1M-1-11; 500-2-11