

2020 North Dakota Custom Rates

Part II – Late Season Operations

December 2020

Introduction

The data in this report are the results of a survey conducted during September and October by the USDA's National Agricultural Statistics Service. Approximately 1,600 reports from farmers and ranchers, elevators, custom harvesters and other custom operators were tabulated. The survey was designed to provide state and regional averages of custom work rates. The late season survey was last conducted in 2016. Prior to 2020, the early season survey had been conducted every three years since 1962, except during the early 1980's when it was conducted every other year.

Appreciation is expressed to all survey participants who provided the data for this report and also to North Dakota State University Extension Service personnel for their assistance on this project.

The Data

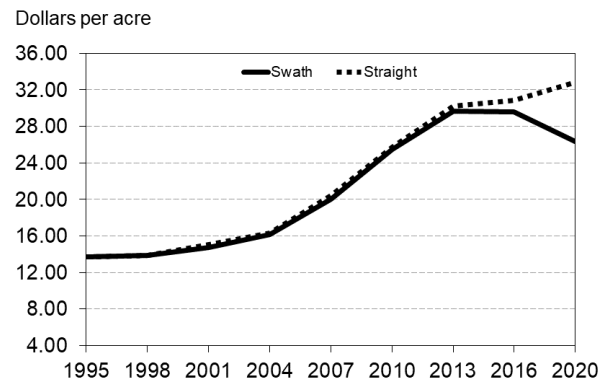
This report contains state and regional level custom work rates for harvesting, drying and hauling crops, seed preparation, hauling hay and livestock, and other custom work for fall operations.

Included for each operation are the number of reports, range, most frequently reported rate and the average rates. Also included are state level 2016 average rates, 2020 rates as a percent of 2016 and historical comparisons back to 1995 for selected operations. State averages are reported where there were a sufficient number of reports. We advise the reader to exercise discretion when using rates where less than fifteen reports were tabulated.

The range shows the minimum and maximum rate reported for each custom operation. The range is affected by the locality of the reporter and the size of the custom operator. A farmer/rancher who does a small amount of custom work for his or her neighbor may charge less than a large scale operator. No adjustments are made for this or any other special circumstances.

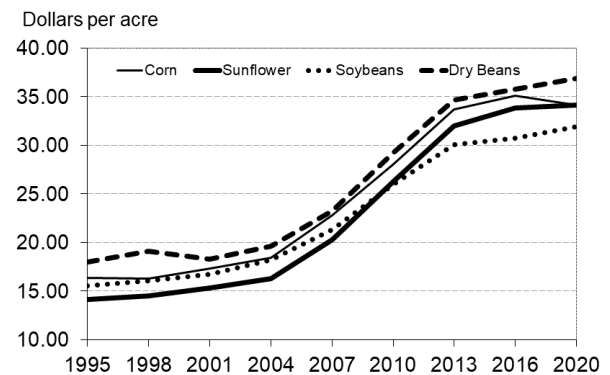
The rates in this report are averages that include charges for equipment, power, fuel and the operator. Exchange work was not considered custom work for this survey.

Small Grain Combining: 1995-2020 ¹ North Dakota

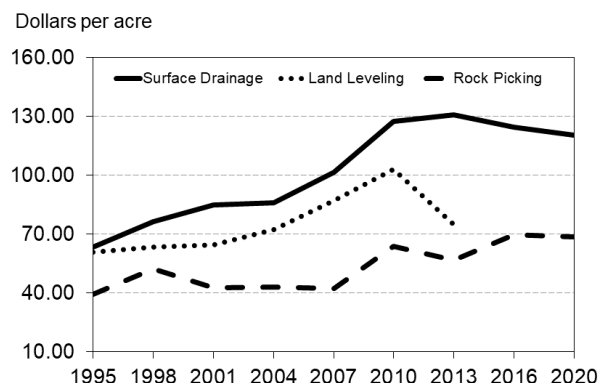


¹ Averages for years 1995-1998 do not include flaxseed.

Straight Combining: 1995-2020 North Dakota



Surface Drainage, Land Leveling and Rock Picking – Average rate: 1995-2020



HARVESTING CROPS, SEED PREPARATION AND MACHINE RENTAL

STATEWIDE AVERAGES, NORTH DAKOTA, 2020

Operation	2020				2016 Average Rate	2020 as Percent of 2016
	No. Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
Diesel Fuel	(number) 867	(\$/gallon) 0.90-3.25	(\$/gallon) 2.00	(\$/gallon) 1.80	(\$/gallon) 1.96	(percent) 92
Harvesting Grain Crops:	(number)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(percent)
Swathing Grain						
Self-Propelled.....acre	8	2.00-20.00	1	11.38	10.00	114
Pull-Type.....acre	(D)	(D)	(D)	(D)	(D)	(D)
Swathing Canola:						
Self-Propelled.....acre	7	7.00-22.00	1	14.29	11.93	120
Pull-Type.....acre	(D)	(D)	(D)	(D)	(D)	(D)
Combining From Swaths:						
Small Grains & Flaxseed.....acre	26	3.20-40.00	1	26.35	29.60	89
Dry Edible Beans.....acre	5	25.00-55.00	55.00	43.40	40.00	109
Canola.....acre	9	25.00-40.00	40.00	37.00	29.94	124
Straight Combining:						
Small Grains & Flaxseed.....acre	99	12.50-50.00	30.00	32.84	30.89	106
Corn.....acre	35	15.00-52.00	35.00	34.11	35.13	97
Sunflower.....acre	17	9.00-52.00	30.00	32.12	33.82	95
Soybeans.....acre	69	12.00-50.00	30.00	31.92	30.70	104
Dry Edible Beans.....acre	21	16.00-55.00	1	36.86	35.78	103
Canola.....acre	34	16.00-50.00	35.00	35.85	34.37	104
Pulse Crops.....acre	12	16.00-42.00	1	33.38	36.24	92
Dry Bean Harvesting:						
Cutting Only (Knifing).....acre	(D)	(D)	(D)	(D)	27.50	(D)
Windrowing (After Knifing).....acre	(D)	(D)	(D)	(D)	(D)	(D)
Cutting & Windrowing (One Operation).....acre	(NA)	(NA)	(NA)	(NA)	(D)	(D)
Sugarbeet Harvesting:						
Topping.....acre	(D)	(D)	(D)	(D)	(D)	(D)
Lifting.....acre	(D)	(D)	(D)	(D)	(D)	(D)
Making Corn Silage:						
Field Chopping Onlyacre	12	10.00-125.00	85.00	81.25	64.42	126
.....hour	6	75.00-150.00	75.00	100.83	(D)	(D)
Field Chopping and Haulingacre	27	30.00-200.00	100.00	100.85	81.21	124
.....hour	(D)	(D)	(D)	(D)	690.14	(D)
Shredding Corn Stalksacre	(NA)	(NA)	(NA)	(NA)	(D)	(D)
Seed Preparation:						
Seed Grain						
Cleaning Only.....gross bushels	58	0.20-3.20	0.50	0.744	0.653	114
Treating Only.....gross bushels	22	0.10-7.00	2.50	2.120	1.516	140
Cleaning and Treating.....gross bushels	6	0.50-4.20	1	2.292	1.858	123
Flaxseed						
Cleaning Only.....gross bushels	8	1.20-2.00	2.00	1.588	1.132	140
Treating Only.....gross bushels	(NA)	(NA)	(NA)	(NA)	(D)	(D)
Cleaning and Treating.....gross bushels	(NA)	(NA)	(NA)	(NA)	(D)	(D)
Machine Rental:						
Tractor						
Under 100 Horsepower.....hour ²	7	10.00-100.00	75.00	59.29	47.13	126
100-200 Horsepower.....hour ²	9	35.00-150.00	150.00	92.78	56.75	163
Over 200 Horsepower.....hour ²	15	21.00-250.00	1	101.70	87.50	116
Combineacre	5	25.00-40.00	1	31.40	27.00	116
.....hour ²	13	75.00-300.00	1	212.31	146.67	145
Corn Head Rental Onlyacre	(D)	(D)	(D)	(D)	12.00	(D)
.....hour ²	(D)	(D)	(D)	(D)	(D)	(D)
Field Rolleracre	29	0.50-8.00	3.00	3.89	3.72	105
.....hour ²	(D)	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations. (NA) No Reports Received. ¹ Data not available due to multiple rates being reported at the highest frequency.

² Rates for machine rentals are in tachometer hours.

DRYING GRAIN AND HAULING CROPS, HAY AND CATTLE

STATEWIDE AVERAGES, NORTH DAKOTA, 2020

Operation	Basic Charge - 2020					2016 Average Rate	2020 as % of 2016	Extra Charge-2020	
	Number of Reports	Range In Rates	Most Frequent Rate Reported	Average Maximum Moisture Content	Average Rate			Number of Reports	For Each Additional 1% Moisture Removed
	(number)	(\$/unit)	(\$/unit)	(percent)	(\$/unit)	(\$/unit)	(percent)	(number)	(\$/unit)
Drying Grain:									
Small Grains bushels	16	0.01-0.25	0.05	15.43	0.092	0.115	80	9	0.047
Corn bushels	16	0.02-0.35	0.05	17.88	0.101	0.132	77	10	0.056
Sunflower cwt	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Soybeans bushels	7	0.01-0.25	0.08	16.60	0.090	0.062	145	4	0.045

STATEWIDE AVERAGES, NORTH DAKOTA, 2020

Operation	Basic Charge - 2020					2016 Average Rate	2020 as % of 2016	Extra Charge-2020	
	Number of Reports	Range In Rates	Most Frequent Rate Reported	Average Base Mileage	Average Rate			Number of Reports	Per 10 Miles Over Base Mileage
	(number)	(\$/unit)	(\$/unit)	(miles)	(\$/unit)	(\$/unit)	(percent)	(number)	(\$/unit)
Hauling Crops:									
Wheat, All bushels	34	0.05-0.32	0.12	41.47	0.171	0.157	109	7	0.051
Barley bushels	5	0.10-0.22	¹	(D)	0.144	0.239	60	(D)	(D)
Oats bushels	6	0.01-0.22	0.20	(D)	0.150	0.186	81	(D)	(D)
Sunflower cwt	9	0.12-1.10	¹	131.67	0.466	0.883	53	(D)	(D)
Canola cwt	8	0.12-1.10	0.30	93.33	0.396	0.600	66	(D)	(D)
Flaxseed bushels	4	0.15-0.48	0.20	(D)	0.258	0.279	92	(D)	(D)
Corn bushels	13	0.05-0.80	0.12	45.71	0.195	0.153	127	(D)	(D)
Sugarbeets tons	4	4.75-6.50	¹	(D)	5.625	8.012	70	(D)	(D)

STATEWIDE AVERAGES, NORTH DAKOTA, 2020

Operation	Basic Charge - 2020				2016 Average Rate	2020 as % of 2016	Loading Charge-2020	
	Number of Reports	Range In Rates	Most Frequent Rate Reported	Average Rate			Number of Reports	Charge
	(number)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(percent)	(number)	(\$/load)
Hauling Hay:								
By the Load (Loose & Bales):								
Less than 10 tons mile ²	16	0.50-18.00	4.00	5.06	6.54	77	8	23.29
10-20 tons mile ²	11	3.50-7.00	6.00	5.18	7.09	73	10	28.50
Over 20 tons mile ²	15	0.43-6.00	5.00	4.38	7.33	60	6	29.17
Hauling Cattle:								
Gooseneck Trailer mile ³	12	0.45-5.00	4.00	3.53	4.02	88	4	345
Semi Trailer mile ³	31	3.00-8.00	5.00	5.07	4.71	108	5	331

(D) Withheld due to insufficient data. ¹ Data not available due to multiple rates being reported at the highest frequency. ² Loaded mile excludes loading. ³ Loaded mile.

OTHER CUSTOM WORK AND HISTORICAL DATA

OTHER CUSTOM WORK, STATEWIDE AVERAGES, NORTH DAKOTA, 2020

Operation	2020				2016 Average Rate (dollars/unit)	2020 as Percent of 2016 (percent)
	Number of Reports (number)	Range in Rates (dollar/unit)	Most Frequent Rate Reported (dollars/unit)	Average Rate (dollars/unit)		
Custom Farming: ¹						
Small Grains	25	6.00-150.00	20.00	29.01	47.92	61
Row Crops	19	3.00-185.00	20.00	44.93	64.89	69
Miscellaneous:						
Mowing/Clipping CRP	10	4.00-31.00	²	13.74	12.50	110
.....	6	5.00-200.00	100.00	89.17	66.85	133
Mowing Road Ditches (not for hay)	20	5.00-150.00	100.00	68.00	103.44	66
.....	7	50.00-200.00	75.00	99.29	75.77	131
On Farm Grain Bin Storage.....	20	0.01-0.15	²	0.04	0.07	57
On Farm Grain Bin Storage	17	0.04-0.35	²	0.15	0.20	75
Machine Shed Rental.....	(D)	(D)	(D)	(D)	(D)	(D)
Machine Shed Rental.....	9	0.24-2.00	0.50	0.67	0.82	82
Grain Bagging	(D)	(D)	(D)	(D)	(D)	(D)
Surface Drainage	11	32.00-250.00	²	120.27	124.50	97
Installing Drainage Tile.....	4	500.00-1,100.00	²	830.00	(D)	(D)
.....	(NA)	(NA)	(NA)	(NA)	(D)	(D)
Land Leveling.....	7	10.00-160.00	100.00	89.00	(D)	(D)
Rock Picking	7	10.00-150.00	²	68.71	69.63	99
Snow Removal:						
Front End Loader	16	18.00-150.00	65.00	80.50	82.00	98
Tractor Blower	17	3.00-168.00	100.00	94.76	82.60	115

(D) Withheld due to insufficient data. (NA) No Reports Received. 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.

HISTORICAL DATA, STATEWIDE AVERAGES, NORTH DAKOTA, 1995 - 2020

Operation	1995 (\$/unit)	1998 (\$/unit)	2001 (\$/unit)	2004 (\$/unit)	2007 (\$/unit)	2010 (\$/unit)	2013 (\$/unit)	2016 (\$/unit)	2020 (\$/unit)
Swathing Grain:									
Self Propelled	4.46	5.04	5.47	6.21	7.79	8.78	11.76	10.00	11.38
PTO Unit.....	4.23	4.58	5.23	5.75	7.63	8.12	11.05	(D)	(D)
Combining From Swaths:									
Small Grains & Flaxseed ¹	13.70	13.82	14.72	16.12	20.04	25.44	29.64	29.60	26.35
Dry Beans	18.18	19.06	19.06	21.02	23.11	29.80	38.58	40.00	43.40
Straight Combining:									
Small Grains & Flaxseed ¹	13.74	13.88	15.03	16.27	20.41	25.75	30.25	30.89	32.84
Corn	16.33	16.26	17.33	18.43	22.81	28.04	33.73	35.13	34.11
Sunflower	14.14	14.49	15.29	16.31	20.32	26.28	32.00	33.82	32.12
Soybeans	15.57	16.10	16.72	18.22	21.31	26.03	30.09	30.70	31.92
Dry Beans	17.96	19.10	18.29	19.64	23.27	29.28	34.65	35.78	36.86
Canola ²							32.01	34.37	35.85
Pulse Crops ³								36.24	33.38
Making Corn Silage:									
Chopping Only	18.51	18.69	20.78	26.75	35.45	46.52	54.46	64.42	81.25
Chopping and Hauling.....	22.62	23.62	26.26	37.55	43.83	60.51	62.88	81.21	100.85
Drying:									
Small Grains	0.111	0.123	0.113	0.145	0.128	0.166	0.179	0.115	0.092
Corn	0.123	0.146	0.132	0.179	0.141	0.171	0.203	0.132	0.101
Sunflower	0.152	0.171	0.165	0.168	0.187	0.191	0.223	(D)	(D)
Soybeans	0.085	0.115	0.125	0.147	0.105	0.118	0.219	0.062	0.090
Hauling:									
Wheat	0.098	0.109	0.116	0.123	0.157	0.174	0.210	0.157	0.171
Barley	0.094	0.101	0.117	0.119	0.154	0.157	0.186	0.239	0.144
Oats	0.094	0.100	0.107	0.107	0.146	0.153	0.138	0.186	0.150
Flaxseed	0.097	0.124	0.107	0.139	0.139	0.162	0.191	0.279	0.258
Corn	0.097	0.101	0.114	0.110	0.151	0.173	0.185	0.153	0.195
Sunflower	0.189	0.339	0.378	0.413	0.376	0.311	0.604	0.883	0.466
Seed Grain Preparation:									
Cleaning Only	0.321	0.340	0.361	0.380	0.436	0.475	0.556	0.653	0.744
Treating Only	0.552	0.519	0.514	0.542	0.801	0.795	0.822	1.516	2.120
Cleaning & Treating	0.800	0.726	0.846	0.915	1.169	1.097	0.874	1.858	2.292
Surface Drainage	63.49	76.25	84.80	86.03	101.67	127.35	130.71	124.50	120.27
Land Leveling	60.61	63.26	64.31	72.21	87.12	103.00	74.93	(D)	89.00
Rock Picking	39.26	52.29	42.72	42.99	42.24	63.77	56.75	69.63	68.71

(D) Withheld to avoid disclosing data for individual operations. ¹ Averages for years 1995-1998 do not include flaxseed. ² Data series began in 2013. ³ Data series began in 2016.