

2016 North Dakota Custom Rates

Part II – Late Season Operations

December 2016

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 1,100 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 has 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.

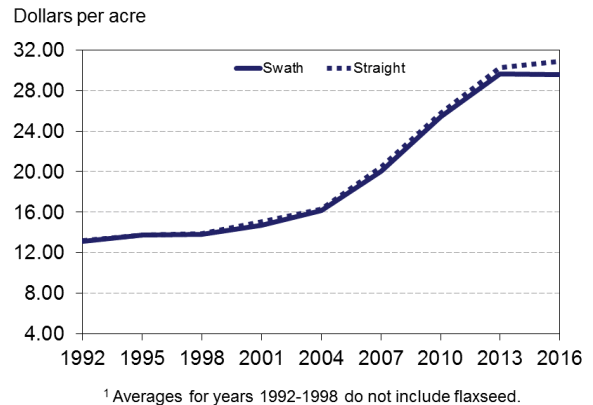
The Data

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 2013 average rates, 2016 rates as a percent of 2013 and historical comparisons back to 1992 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.

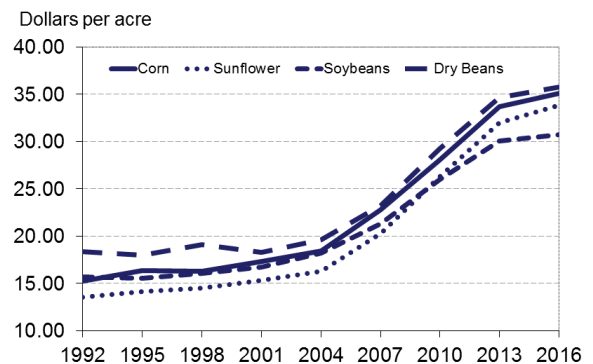
The range shows the minimum and maximum rate reported for each custom operation. The range is affected by the locality of the reporter and the size of the custom operator. A farmer/rancher who does a small amount of custom work for his or her neighbor may charge less than a large scale operator. No adjustments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

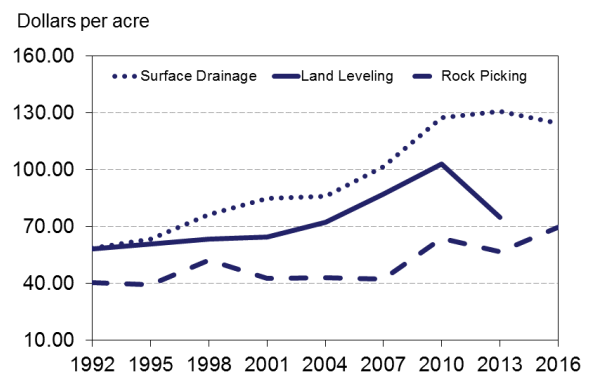
Small Grain Combining: 1992-2016 ¹
North Dakota



Straight Combining: 1992-2016
North Dakota



Surface Drainage, Land Leveling and Rock Picking – Average rate: 1992-2016



HARVESTING CROPS, SEED PREPARATION AND MACHINE RENTAL

STATEWIDE AVERAGES, NORTH DAKOTA, 2016

Operation	2016				2013 Average Rate	2016 as Percent of 2013
	No. Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
Diesel Fuel	(number) 698	(\$/gallon) 0.80-3.70	(\$/gallon) 2.00	(\$/gallon) 1.96	(\$/gallon) 3.66	(percent) 54
Harvesting Grain Crops:	(number)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(percent)
Swathing Grain						
Self-Propelled.....acre	19	3.00-15.00	10.00	10.00	11.76	85
Pull-Type.....acre	(D)	(D)	(D)	(D)	11.05	(D)
Swathing Canola:						
Self-Propelled.....acre	15	7.00-20.00	¹	11.93	12.01	99
Pull-Type.....acre	(D)	(D)	(D)	(D)	12.53	(D)
Combining From Swaths:						
Small Grains & Flaxseed.....acre	37	6.85-50.00	30.00	29.60	29.64	100
Dry Edible Beans.....acre	5	30.00-50.00	¹	40.00	38.58	104
Canola.....acre	18	12.00-40.00	¹	29.94	30.76	97
Straight Combining:						
Small Grains & Flaxseed.....acre	118	8.00-55.00	35.00	30.89	30.25	102
Corn.....acre	38	9.00-95.00	30.00	35.13	33.73	104
Sunflower.....acre	11	20.00-50.00	35.00	33.82	32.00	106
Soybeans.....acre	68	8.00-45.00	30.00	30.70	30.09	102
Dry Edible Beans.....acre	18	25.00-50.00	40.00	35.78	34.65	103
Canola.....acre	27	20.00-55.00	¹	34.37	32.01	107
Pulse Crops.....acre	17	24.00-45.00	40.00	36.24	(NA)	(NA)
Dry Bean Harvesting:						
Cutting Only (Knifing).....acre	4	15.00-35.00	30.00	27.50	19.33	142
Windrowing (After Knifing).....acre	(D)	(D)	(D)	(D)	9.80	(D)
Cutting & Windrowing (One Operation).....acre	(D)	(D)	(D)	(D)	26.67	(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	35.00-101.00	¹	64.42	54.46	118
.....hour	(D)	(D)	(D)	(D)	388.89	(D)
Field Chopping and Haulingacre	20	40.00-120.00	100.00	81.21	62.88	129
.....hour	7	171.00-1,300.00	600.00	690.14	490.50	141
Shredding Corn Stalksacre	(D)	(D)	(D)	(D)	12.29	(D)
Seed Preparation:						
Seed Grain						
Cleaning Only.....gross bushels	63	0.30-1.00	0.60	0.653	0.556	117
Treating Only.....gross bushels	16	0.18-5.00	0.20	1.516	0.822	184
Cleaning and Treating.....gross bushels	6	0.70-3.55	¹	1.858	0.874	213
Flaxseed						
Cleaning Only.....gross bushels	11	0.50-2.00	¹	1.132	0.647	175
Treating Only.....gross bushels	(D)	(D)	(D)	(D)	0.272	(D)
Cleaning and Treating.....gross bushels	(D)	(D)	(D)	(D)	0.688	(D)
Machine Rental:						
Tractor						
Under 100 Horsepower.....hour ²	15	10.00-125.00	20.00	47.13	46.18	102
100-200 Horsepower.....hour ²	12	6.00-125.00	¹	56.75	67.83	84
Over 200 Horsepower.....hour ²	12	30.00-175.00	110.00	87.50	105.06	83
Combineacre	7	15.00-45.00	20.00	27.00	20.56	131
.....hour ²	15	20.00-280.00	¹	146.67	152.30	96
Corn Head Rental Onlyacre	6	8.00-15.00	15.00	12.00	12.09	99
.....hour ²	(D)	(D)	(D)	(D)	(D)	(D)
Field Rolleracre	24	1.50-12.00	3.00	3.72	5.05	74
.....hour ²	(D)	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations. (NA) Not Available. 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, 2016

Operation	Basic Charge - 2016					2013 Average Rate	2016 as % of 2013	Extra Charge-2016	
	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	15	0.02-0.35	0.10	15.58	0.115	0.179	64	12	0.050
Corn bushels	19	0.03-0.37	0.05	17.33	0.132	0.203	65	14	0.056
Sunflower cwt	(D)	(D)	(D)	(D)	(D)	0.223	(D)	(D)	(D)
Soybeans bushels	5	0.03-0.10	¹	14.94	0.062	0.219	28	(D)	(D)

STATEWIDE AVERAGES, NORTH DAKOTA, 2016

Operation	Basic Charge – 2016					2013 Average Rate	2016 as % of 2013	Extra Charge-2016	
	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	40	0.02-0.50	0.10	19.23	0.157	0.210	75	15	0.054
Barley bushels	13	0.04-0.80	¹	57.15	0.239	0.186	128	7	0.046
Oats bushels	5	0.10-0.30	0.10	23.60	0.186	0.138	135	(D)	(D)
Sunflower cwt	8	0.01-1.85	¹	119.13	0.883	0.604	146	4	0.085
Canola cwt	9	0.10-1.25	¹	80.89	0.600	0.391	153	4	0.108
Flaxseed bushels	7	0.10-1.00	0.10	53.86	0.279	0.191	146	4	0.068
Corn bushels	19	0.05-0.35	0.10	23.32	0.153	0.185	83	11	0.059
Sugarbeets tons	5	4.56-18.00	¹	19.00	8.012	(D)	(D)	(D)	(D)

STATEWIDE AVERAGES, NORTH DAKOTA, 2016

Operation	Basic Charge – 2016				2013 Average Rate	2016 as % of 2013	Loading Charge-2016	
	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	8	1.50-30.00	¹	6.54	4.31	152	8	26.88
10-20 tons mile ²	11	3.00-30.00	4.00	7.09	4.55	156	8	23.94
Over 20 tons mile ²	16	1.75-30.00	¹	7.33	4.76	154	9	28.11
Hauling Cattle:								
Gooseneck Trailer mile ³	19	2.00-10.00	¹	4.02	3.60	112	(D)	(D)
Semi Trailer mile ³	24	2.00-7.00	¹	4.71	4.58	103	5	425.00

(D) Withheld due to insufficient data. (NA) Not Available. 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, 2016

Operation	2016				2013 Average Rate (dollars/unit)	2016 as Percent of 2013 (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 acre	22	5.75-140.00	²	47.92	35.67	134
Row Crops acre	18	6.00-155.00	150.00	64.89	46.28	140
Miscellaneous:						
Mowing/Clipping CRP acre	14	4.00-50.00	10.00	12.50	10.42	120
..... hour	13	10.00-125.00	²	66.85	65.47	102
Mowing Road Ditches (not for hay) acre	16	10.00-200.00	100.00	103.44	(NA)	(NA)
..... hour	13	8.00-150.00	100.00	75.77	(NA)	(NA)
On Farm Grain Bin Storage cents/bu/month	18	0.01-0.35	0.05	0.07	0.08	88
On Farm Grain Bin Storage cents/bu/year	27	0.02-0.60	0.10	0.20	0.17	118
Machine Shed Rental cents/sq ft/month	(D)	(D)	(D)	(D)	0.28	(D)
Machine Shed Rental cents/sq ft/year	6	0.14-2.12	²	0.82	0.68	121
Surface Drainage hour	6	30.00-265.00	²	124.50	130.71	95
Installing Drainage Tile acre	(D)	(D)	(D)	(D)	720.00	(D)
..... hour	(D)	(D)	(D)	(D)	(D)	(D)
Land Leveling hour	(D)	(D)	(D)	(D)	74.93	(D)
Rock Picking hour	8	12.00-140.00	²	69.63	56.75	123
Snow Removal:						
Front End Loader hour	16	25.00-125.00	100.00	82.00	71.36	115
Tractor Blower hour	20	25.00-150.00	100.00	82.60	71.33	116

(D) Withheld due to insufficient data. (NA) Not Available. 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, 1992 - 2016

Operation	1992	1995	1998	2001	2004	2007	2010	2013	2016
	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)	(\$/unit)
Swathing Grain:									
Self Propelled acre	4.22	4.46	5.04	5.47	6.21	7.79	8.78	11.76	10.00
PTO Unit acre	4.03	4.23	4.58	5.23	5.75	7.63	8.12	11.05	(D)
Combining From Swaths:									
Small Grains & Flaxseed ¹ acre	13.13	13.70	13.82	14.72	16.12	20.04	25.44	29.64	29.60
Dry Beans acre	18.20	18.18	19.06	19.06	21.02	23.11	29.80	38.58	40.00
Straight Combining:									
Small Grains & Flaxseed ¹ acre	13.15	13.74	13.88	15.03	16.27	20.41	25.75	30.25	30.89
Corn acre	15.23	16.33	16.26	17.33	18.43	22.81	28.04	33.73	35.13
Sunflower acre	13.54	14.14	14.49	15.29	16.31	20.32	26.28	32.00	33.82
Soybeans acre	15.70	15.57	16.10	16.72	18.22	21.31	26.03	30.09	30.70
Dry Beans acre	18.39	17.96	19.10	18.29	19.64	23.27	29.28	34.65	35.78
Pulse Crops ² acre									36.24
Making Corn Silage:									
Chopping Only acre	17.65	18.51	18.69	20.78	26.75	35.45	46.52	54.46	64.42
Chopping and Hauling acre	21.65	22.62	23.62	26.26	37.55	43.83	60.51	62.88	81.21
Drying:									
Small Grains bushel	0.108	0.111	0.123	0.113	0.145	0.128	0.166	0.179	0.115
Flaxseed bushel	0.110	0.134	0.134	0.109	0.168	0.132	0.174	(D)	(D)
Corn bushel	0.115	0.123	0.146	0.132	0.179	0.141	0.171	0.203	0.132
Sunflower cwt	0.157	0.152	0.171	0.165	0.168	0.187	0.191	0.223	(D)
Soybeans bushel	0.093	0.085	0.115	0.125	0.147	0.105	0.118	0.219	0.062
Hauling:									
Wheat bushel	0.090	0.098	0.109	0.116	0.123	0.157	0.174	0.210	0.157
Barley bushel	0.088	0.094	0.101	0.117	0.119	0.154	0.157	0.186	0.239
Oats bushel	0.087	0.094	0.100	0.107	0.107	0.146	0.153	0.138	0.186
Flaxseed bushel	0.091	0.097	0.124	0.107	0.139	0.139	0.162	0.191	0.279
Corn bushel	0.087	0.097	0.101	0.114	0.110	0.151	0.173	0.185	0.153
Sunflower cwt	0.196	0.189	0.339	0.378	0.413	0.376	0.311	0.604	0.883
Seed Grain Preparation:									
Cleaning Only gross bushels	0.299	0.321	0.340	0.361	0.380	0.436	0.475	0.556	0.643
Treating Only gross bushels	0.504	0.552	0.519	0.514	0.542	0.801	0.795	0.822	1.516
Cleaning & Treating gross bushels	0.784	0.800	0.726	0.846	0.915	1.169	1.097	0.874	1.858
Surface Drainage hour	58.66	63.49	76.25	84.80	86.03	101.67	127.35	130.71	124.50
Land Leveling hour	58.31	60.61	63.26	64.31	72.21	87.12	103.00	74.93	(D)
Rock Picking hour	40.20	39.26	52.29	42.72	42.99	42.24	63.77	56.75	69.63

(D) Withheld to avoid disclosing data for individual operations. ¹ Averages for years 1992-1998 do not include flaxseed. ² Data series began in 2016.