



# 2007 North Dakota Custom Rates

## Part I – Early Season Operations

August 2007

### Introduction

The data in this report are the result of a survey conducted during July and August by the USDA, National Agricultural Statistics Service, North Dakota Field Office. Approximately 3,000 reports from aerial sprayers, farmer/ranchers, and other custom operators were tabulated. The survey was designed to provide state and regional averages for custom work rates. The early 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 the North Dakota State University Extension service personnel for their assistance on this project. Funding was provided by the North Dakota State University Experiment Station and Extension Service.

### The Data

This report contains state and regional level custom work rates for land tillage, planting, fertilizer and pesticide application, haying operations and other custom work.

Included for each operation is the number of reports, range, and most frequently reported and average rates. Also included are state level 2004 average rates, 2007 rates as a percentage of 2004, and historical comparisons back to 1984 for selected operations. Regional averages are reported where there are a sufficient number of reports. We advise the reader to exercise discretion when using rates where fewer than fifteen reports were tabulated.

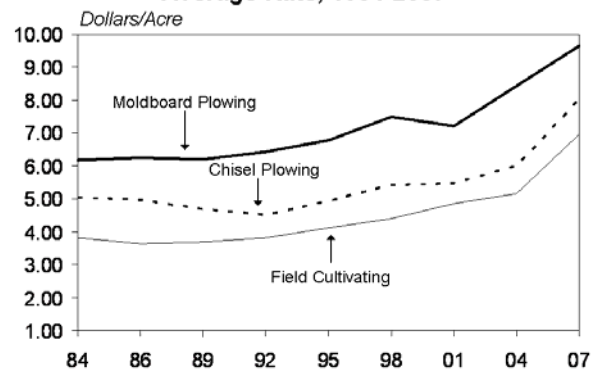
The range shows the minimum and maximum rate reported for each custom operation. The range is affected by the locality of the reporter and the size of the custom operator. A farmer/rancher who does a small amount of custom work for his or her neighbors may charge less than a large-scale operator.

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

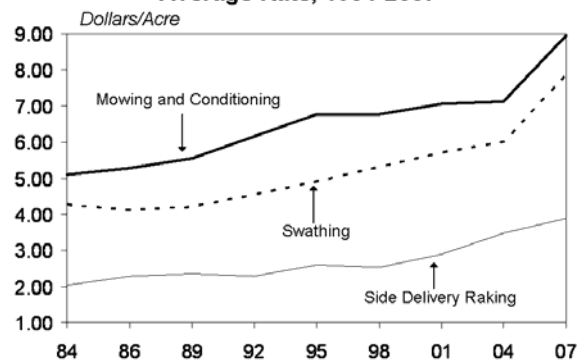
### Other Reports

A late season custom rates survey will be conducted in September and October. It will collect data on harvesting, grain drying, crop and hay hauling and other miscellaneous custom rates. This information will be released in December.

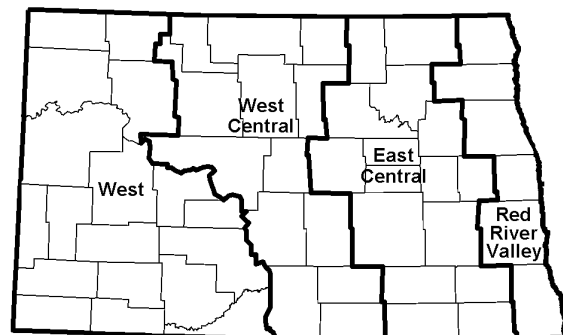
#### Land Tillage Average Rate, 1984-2007



#### Haying Operations Average Rate, 1984-2007



#### Farming Regions North Dakota



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# LAND TILLAGE, SMALL GRAIN SEEDING AND ROW CROP PLANTING

## STATEWIDE AVERAGES, NORTH DAKOTA, 2007

Operation	2007				2004 Average Rate	2007 as Percent of 2004
	Number of Reports	Range in Rates	Most Frequent Rate Reported	Average Rate		
<b>DIESEL FUEL</b>	<i>Number</i> 1,767	<i>\$/Gallon</i> 1.65-3.80	<i>\$/Gallon</i> 2.50	<i>\$/Gallon</i> 2.64	<i>\$/Gallon</i> NA	<i>Percent</i> NA
<b>LAND TILLAGE</b>	<i>Number</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>\$/Acre</i>	<i>Percent</i>
<b>Primary Tillage (Deep)</b>						
Plowing (Moldboard)	56	3.00-18.00	8.00	9.65	8.44	114
Sod Breaking	40	3.00-20.00	10.00	11.24	9.34	120
Heavy Disking	97	2.00-20.00	10.00	9.11	6.66	137
Chisel Plowing	139	1.50-17.00	8.00	8.01	5.99	134
Sub Soiling (16-20 inches deep)	53	6.00-45.00	12.00	13.25	10.30	129
Disk/Chisel Plowing	76	5.00-25.00	8.00	9.13	7.12	128
<b>Secondary Tillage (Shallow)</b>						
Field Cultivation	135	3.00-15.00	6.00	6.96	5.15	135
One-Way Disking	61	3.50-15.00	10.00	8.02	6.01	133
Tandem Disking	94	3.50-16.00	8.00	8.34	6.29	133
Rod Weeder	29	2.50-16.00	6.00	7.50	5.11	147
Rotary Hoe	52	2.00-14.00	6.00	6.20	4.15	149
Land Rolling	217	1.00-12.00	3.00	4.42	3.98	111
Light Harrowing	91	1.00-12.00	5.00	4.79	3.42	140
Heavy Harrowing	119	1.00-14.00	5.00	5.16	4.19	123
Row Crop Cultivation	60	2.00-14.00	8.00	6.68	4.87	137
<b>SMALL GRAIN SEEDING</b>						
<b>With Fertilizer</b>						
Regular Drilling	122	4.00-20.00	10.00	10.32	7.95	130
Drilling & Tillage	90	4.50-25.00	10.00	12.21	9.55	128
Pony Press Drill	28	3.34-20.00	8.00	11.80	8.94	132
Air Seeding	306	3.00-25.00	12.00	12.24	9.98	123
No Till Drill	302	2.00-30.00	12.00	12.73	10.65	120
<b>Without Fertilizer</b>						
Regular Drilling	115	2.50-20.00	10.00	9.53	7.18	133
Drilling & Tillage	78	4.50-20.00	10.00	11.29	8.69	130
Pony Press Drill	29	4.50-20.00	10.00	11.60	8.64	134
Air Seeding	247	3.00-25.00	12.00	11.46	9.49	121
No Till Drill	246	5.00-20.00	12.00	12.14	10.26	118
<b>ROW CROP PLANTING</b>						
<b>With Fertilizer</b>						
Corn, Soybean, Sunflower (Regular)	147	4.00-25.00	12.00	11.89	8.93	133
Corn, Soybean, Sunflower (Air Seed)	131	3.00-25.00	12.00	12.60	10.10	125
Dry Edible Beans	67	3.00-22.00	12.00	12.92	9.32	139
Sugarbeet	18	8.50-25.00	12.00	14.78	10.43	142
<b>Without Fertilizer</b>						
Corn, Soybean, Sunflower (Regular)	147	4.00-25.00	12.00	10.85	8.12	134
Corn, Soybean, Sunflower (Air Seed)	115	3.00-18.00	12.00	11.47	9.53	120
Dry Edible Beans	64	4.00-20.00	12.00	11.97	8.79	136
Sugarbeet	17	3.00-25.00	20.00	14.44	9.00	160
<b>No Till With Fertilizer</b>						
Corn, Soybean, Sunflower	180	1.50-35.00	12.00	13.23	10.16	130
<b>No Till Without Fertilizer</b>						
Corn, Soybean, Sunflower	151	4.00-25.00	12.00	12.73	9.57	133

NA=Not Available

# FERTILIZER AND PESTICIDE APPLICATION AND HAYING OPERATIONS

## STATEWIDE AVERAGES, NORTH DAKOTA, 2007

Operation	2007				2004 Average Rate	2007 as Percent of 2004
	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>
<b>FERTILIZER APPLICATION</b>						
<b>Dry Fertilizer</b>						
Broadcast	588	1.00-15.00	4.50	4.54	3.87	117
Deep Banded	118	3.50-15.39	8.00	8.93	6.23	143
<b>Liquid Fertilizer</b>	186	1.00-20.00	4.50	5.35	4.42	121
<b>Anhydrous Ammonia</b>						
With Knife Applicator	190	2.00-25.00	6.00	7.62	6.12	125
While Chiseling	141	2.00-25.00	10.00	8.76	6.61	133
<b>PESTICIDE APPLICATION</b>						
<b>By Surface Vehicles</b>						
Herbicides						
Broadcast, Liquid	795	2.00-26.00	4.50	4.69	4.07	115
Dry	206	3.00-25.00	5.00	4.83	4.04	120
Incorporated, Liquid	157	3.00-25.00	4.50	6.08	4.91	124
Dry	88	3.00-20.00	4.50	6.34	5.11	124
Insecticides						
Broadcast, Liquid	407	2.00-20.00	4.50	4.77	4.11	116
Dry	121	2.00-25.00	5.00	5.11	4.18	122
Incorporated, Liquid	106	3.00-20.00	4.50	5.82	4.80	121
Dry	53	4.00-25.00	4.00	6.64	4.99	133
Fungicides	435	3.00-20.00	4.50	4.81	4.19	115
Desiccants	282	3.00-20.00	5.00	4.87	4.21	116
<b>By Aircraft (All Pesticides)</b>						
1 Gallon	174	1.00-14.00	6.00	5.74	4.65	123
2-3 Gallons	266	2.25-14.00	6.00	5.78	4.76	121
4-5 Gallons	326	4.00-16.00	6.00	6.07	4.98	122
Over 5 Gallons	192	2.50-15.00	5.50	6.28	5.29	119
<b>HAYING OPERATIONS</b>						
<b>Mowing and Raking</b>						
Mowing	108	1.50-16.00	8.00	6.88	5.37	128
Mowing and Conditioning	171	3.00-20.00	10.00	8.95	7.14	125
Swathing	143	1.75-15.00	8.00	7.88	6.01	131
Raking	95	0.75-8.00	3.00	3.88	3.47	112
<b>Baling (Wire or Twine Included)</b>						
		<i>\$/Bale</i>	<i>\$/Bale</i>	<i>\$/Bale</i>	<i>\$/Bale</i>	
Small Square Bales, 250 lbs or less	67	0.20-6.00	1.00	1.26	1.03	122
Large Square Bales, Over 250 lbs	60	2.50-15.00	5.00	7.55	5.91	128
Round Bales, 1,500 lbs or less	282	1.00-25.00	6.00	6.98	6.25	112
Round Bales, Over 1,500 lbs	252	1.00-30.00	8.00	8.00	7.03	114

**OTHER CUSTOM WORK AND HISTORICAL DATA**

**OTHER CUSTOM WORK, STATEWIDE AVERAGES, NORTH DAKOTA, 2007**

Operation	2007				2004 Average Rate	2007 as Percent of 2004
	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>
<b>Branding Calves</b>	56	0.50- 7.00	1.00	2.13	1.71	125
<b>Shearing Sheep</b>	59	0.70- 5.00	2.50	2.69	2.33	115
<b>Custom Feeding Livestock</b>		<i>\$/Head/Day</i>	<i>\$/Head/Day</i>	<i>\$/Head/Day</i>	<i>\$/Head/Day</i>	
Weaned Calves	106	0.30- 6.00	1.00	1.27	1.23	103
Yearlings and Cull Cows	100	0.35- 5.00	1.00	1.37	1.42	96
Wintering Pregnant Beef Cows	123	0.47- 4.00	1.00	1.34	1.48	91
Calving Out Cows	80	0.33- 10.00	1.00	1.95	2.17	90
<b>On-Farm Feed Grinding &amp; Mixing</b>		<i>\$/Ton</i>	<i>\$/Ton</i>	<i>\$/Ton</i>	<i>\$/Ton</i>	
Mobile Truck	26	2.50- 30.00	5.00	11.50	16.07	72
PTO Unit	24	0.50- 80.00	5.00	17.64	12.13	145
<b>Tub Grinding Hay</b>		<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	
Farmer Supplies Power	22	10.00-150.00	50.00	77.00	63.93	120
Power Supplied	68	25.00-200.00	125.00	107.43	89.76	120
Self Contained Unit	217	45.00-250.00	100.00	120.44	95.74	126
<b>Pneumatic Handling of Grain</b>	214	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	<i>\$/Bushel</i>	125
0.01-0.60			0.05	0.10	0.08	
<b>Post Hole Digging</b>		<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	<i>\$/Hole</i>	
Digging	87	0.50-20.00	5.00	4.60	2.64	174
<b>Building Multi-Strand Wire Fence (No Supplies Included)</b>		<i>\$</i>	<i>\$</i>	<i>\$</i>	<i>\$</i>	
Per Rod	38	1.00-38.40	8.00	8.94	6.28	142
Per Hour	42	8.00-80.00	15.00	23.71	15.51	153
<b>Loader Work</b>		<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	<i>\$/Hour</i>	
Skid-Steer Loader	292	8.00-125.00	50.00	44.29	36.07	123
Tractor Loader	211	2.00-120.00	50.00	44.82	38.22	117
Industrial Loader	269	15.00-150.00	75.00	75.52	65.26	116

**HISTORICAL DATA, STATEWIDE AVERAGES, NORTH DAKOTA, 1984 - 2007**

Operation	1984	1986	1989	1992	1995	1998	2001	2004	2007
	<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>
<b>Plowing (Moldboard)</b>	6.18	6.25	6.19	6.43	6.78	7.48	7.22	8.44	9.65
<b>Chisel Plowing</b>	5.03	4.96	4.68	4.51	4.93	5.41	5.47	5.99	8.01
<b>Field Cultivation</b>	3.81	3.63	3.70	3.81	4.13	4.40	4.85	5.15	6.96
<b>Small Grain Drilling</b>									
Regular, With Fertilizer	4.54	4.78	4.76	5.28	6.00	6.48	7.30	7.95	10.32
Regular, Without Fertilizer	4.40	4.44	4.53	4.76	5.44	6.27	6.38	7.18	9.53
Air Seeding <sup>1</sup>	4.82	5.46	5.27	6.29	7.36	7.92	8.50	9.49	11.46
No-Till Drilling <sup>1</sup>	6.19	7.06	7.08	8.02	8.60	9.00	9.19	10.26	12.14
<b>Fertilizer Application</b>									
Dry Fertilizer (Broadcast)	2.44	2.29	2.42	2.66	2.95	3.27	3.64	3.87	4.54
Liquid Fertilizer	3.23	3.10	3.18	3.33	3.44	3.70	4.49	4.42	5.35
Anhydrous Ammonia									
With Knife Applicator	4.20	4.35	4.14	4.16	4.66	5.11	5.33	6.12	7.62
While Chiseling	4.95	4.90	4.92	5.09	5.38	5.79	6.32	6.61	8.76
<b>Ground Application of:</b>									
Liquid Herbicides (Broadcast)	2.19	2.02	2.21	2.48	2.85	3.32	3.89	4.07	4.69
Liquid Insecticides (Broadcast)	2.23	2.27	2.37	2.65	2.88	3.38	3.93	4.11	4.77
<b>Haying</b>									
Mowing and Conditioning	5.10	5.28	5.55	6.15	6.77	6.76	7.06	7.14	8.95
Swathing	4.26	4.11	4.21	4.53	4.89	5.31	5.72	6.01	7.88
Raking	2.04	2.28	2.36	2.29	2.60	2.54	2.90	3.47	3.88
<b>Post Holes</b>									
Digging	<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>
	1.65	1.96	1.71	1.90	1.82	2.38	2.49	2.64	4.60

<sup>1</sup> Without Fertilizer

## FARMING REGION AVERAGES, NORTH DAKOTA, 2007

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	14	3.00-13.00	8.00	8.43	18	6.00-15.00	8.00	9.13	24	3.00-17.00	8.00	8.19
WC	6	6.50-18.00	NA	10.92	20	2.00-13.00	6.00	8.55	21	1.50-12.00	7.00	7.07
EC	26	4.00-18.00	8.00	9.87	46	4.00-20.00	10.00	9.27	68	3.00-16.00	10.00	7.70
RRV	10	6.00-15.00	6.00	10.05	13	4.50-18.00	8.00	9.40	26	5.00-15.00	12.00	9.43
STATE	56	3.00-18.00	8.00	9.65	97	2.00-20.00	10.00	9.11	139	1.50-17.00	8.00	8.01

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	21	5.00-12.00	8.00	8.02	23	3.50-16.00	8.00	8.39	15	2.00-10.00	3.00	5.00
WC	21	3.25-11.00	6.00	7.15	13	3.50-12.00	8.00	8.35	18	1.00-10.00	3.00	4.49
EC	66	3.00-15.00	6.00	6.55	43	4.00-12.00	7.00	8.01	43	1.00-10.00	5.00	4.60
RRV	27	3.50-15.00	6.00	6.99	15	4.00-16.00	6.00	9.18	15	3.00-12.00	5.00	5.48
STATE	135	3.00-15.00	6.00	6.96	94	3.50-16.00	8.00	8.34	91	1.00-12.00	5.00	4.79

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	33	2.00-12.00	3.00	4.76	7	4.00-8.00	8.00	6.43	34	6.00-15.00	12.00	11.87
WC	26	1.00-12.00	5.00	5.02	8	4.00-12.00	6.00	6.75	23	7.00-15.00	12.00	11.13
EC	47	1.50-10.00	5.00	5.15	32	2.00-14.00	8.00	6.84	44	4.00-20.00	10.00	9.07
RRV	13	2.00-14.00	5.00	6.50	13	2.00-14.00	4.00	6.35	21	5.00-14.00	7.00	9.55
STATE	119	1.00-14.00	5.00	5.16	60	2.00-14.00	8.00	6.68	122	4.00-20.00	10.00	10.32

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	26	7.00-20.00	15.00	13.48	88	5.00-25.00	12.00	13.30	91	2.00-20.00	15.00	12.90
WC	16	8.00-25.00	10.00	13.38	83	7.00-17.00	12.00	12.08	85	2.00-25.00	12.00	12.37
EC	36	4.50-16.00	10.00	10.76	101	3.00-25.00	10.00	11.37	102	5.00-30.00	12.00	12.83
RRV	12	7.50-16.00	11.00	12.21	34	7.00-20.00	12.00	12.52	24	10.00-18.00	14.00	12.85
STATE	90	4.50-25.00	10.00	12.21	306	3.00-25.00	12.00	12.24	302	2.00-30.00	12.00	12.73

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	18	6.00-25.00	10.00	12.31	132	2.00-15.00	4.00	4.50	31	3.00-9.00	5.00	5.32
WC	36	4.00-16.00	12.00	11.31	129	3.00-7.00	4.00	4.30	44	1.00-20.00	4.50	4.94
EC	61	4.50-16.00	12.00	10.28	197	1.00-10.00	4.50	4.60	69	3.00-12.00	4.50	5.56
RRV	32	4.50-17.00	12.00	10.61	130	3.00-10.00	4.50	4.72	42	3.00-15.00	4.75	5.44
STATE	147	4.00-25.00	12.00	10.85	588	1.00-15.00	4.50	4.54	186	1.00-20.00	4.50	5.35

NA=Not Available

**FARMING REGION AVERAGES, NORTH DAKOTA, 2007**

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	48	2.00-20.00	6.00	7.46	33	3.00-25.00	6.00	8.09	193	2.00-10.00	4.00	4.47
WC	42	2.00-25.00	6.00	7.21	26	2.00-25.00	6.50	8.12	194	2.00-26.00	4.50	4.64
EC	71	2.00-16.00	6.00	7.78	55	5.00-15.00	10.00	8.81	261	3.00-12.00	4.50	4.69
RRV	29	2.00-14.00	6.00	8.09	27	5.50-16.00	8.00	10.12	147	3.00-10.00	5.00	5.02
STATE	190	2.00-25.00	6.00	7.62	141	2.00-25.00	10.00	8.76	795	2.00-26.00	4.50	4.69

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	79	2.00-8.50	4.00	4.48	43	3.75-10.00	5.00	5.42	35	4.00-16.00	5.00	6.25
WC	94	3.00-20.00	4.50	4.69	64	2.25-14.00	5.00	5.67	73	4.00-10.00	5.50	5.91
EC	147	3.50-10.00	4.50	4.84	87	3.75-10.00	6.00	5.98	119	4.00-15.00	6.00	6.16
RRV	87	2.00-12.00	5.00	5.00	72	4.25-11.00	5.50	5.86	99	4.50-11.00	6.00	6.00
STATE	407	2.00-20.00	4.50	4.77	266	2.25-14.00	6.00	5.78	326	4.00-16.00	6.00	6.07

Region	Mowing & 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	76	3.00-15.00	10.00	8.56	75	1.75-15.00	8.00	8.06	27	0.20-6.00	0.50	1.47
WC	48	3.00-20.00	12.00	9.90	38	3.00-14.00	7.00	7.97	14	0.25-3.00	1.00	1.05
EC	33	4.00-16.00	10.00	8.67	21	4.00-12.00	4.00	7.37	16	0.40-3.00	1.00	1.20
RRV	14	3.00-12.00	12.00	8.45	9	4.00-12.00	7.00	7.22	10	0.35-3.00	1.00	1.06
STATE	171	3.00-20.00	10.00	8.95	143	1.75-15.00	8.00	7.88	67	0.20-6.00	1.00	1.26

Region	Round Baling 1,500 Lbs or Less				Round Baling Over 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	101	4.00-25.00	8.00	7.97	97	2.25-30.00	8.00	8.45	81	50.00-250.00	125.00	128.51
WC	75	1.00-12.00	6.00	6.57	71	4.00-20.00	8.00	7.68	75	60.00-225.00	100.00	117.67
EC	80	2.00-15.00	6.00	6.38	66	1.00-30.00	7.00	7.64	47	55.00-180.00	100.00	117.98
RRV	26	2.00-9.00	6.00	6.09	18	5.00-20.00	10.00	8.22	14	45.00-125.00	100.00	96.79
STATE	282	1.00-25.00	6.00	6.98	252	1.00-30.00	8.00	8.00	217	45.00-250.00	100.00	120.44

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	63	0.01-0.50	0.05	0.10	101	8.00-100.00	35.00	44.55	74	16.00-135.00	60.00	72.08
WC	47	0.02-0.60	0.10	0.10	87	10.00-120.00	30.00	44.94	98	25.00-150.00	50.00	78.23
EC	65	0.01-0.50	0.05	0.10	71	12.00-125.00	50.00	43.01	60	15.00-125.00	75.00	75.08
RRV	39	0.02-0.30	0.05	0.08	33	10.00-125.00	40.00	44.58	37	25.00-125.00	80.00	75.95
STATE	214	0.01-0.60	0.05	0.10	292	8.00-125.00	50.00	44.29	269	15.00-150.00	75.00	75.52