



United States Department of Agriculture
National Agricultural Statistics Service



2014 Machinery Custom Rates

Cooperating with the Pennsylvania Department of Agriculture
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Pennsylvania's 2014 Machinery Custom Rates

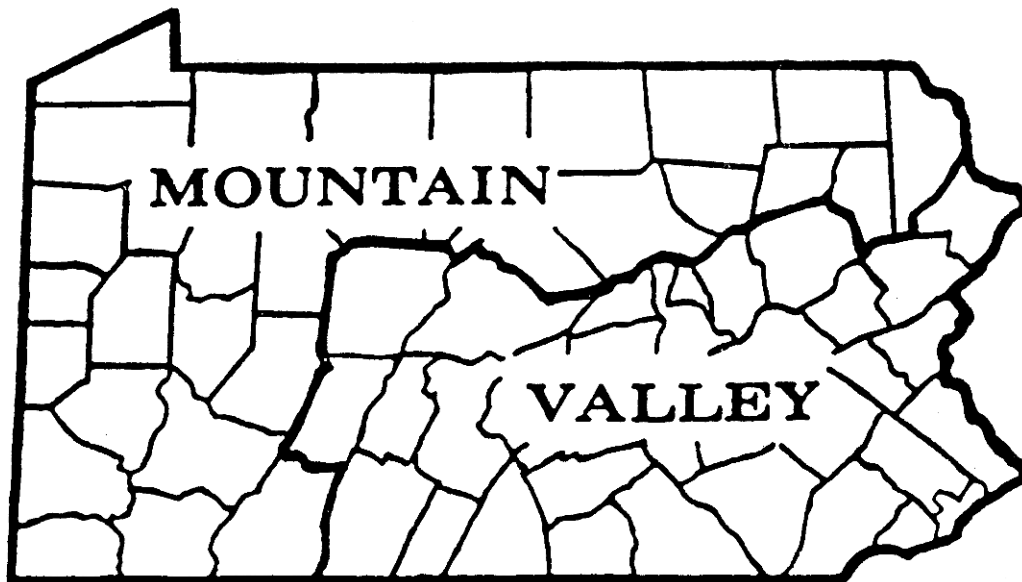
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The custom rates shown are averages from voluntary reports by custom operators and farmers throughout Pennsylvania. Most of the rates are stated per acre, cwt., ton, bale, or bushel rather than per hour to reduce the variation due to machinery size. The rates shown include the cost of hiring machine with fuel and operator and exclude the cost of seed, fertilizer, and other materials used unless otherwise specified. Individual rates vary due to differences in working conditions, services performed, or even the operator's eagerness to do custom work. Therefore, the average rates shown should not be considered absolute indications of fair charges.

Average rates are shown separately for two regions of the state, labeled "**Mountain**" and "**Valley**". The differences in rates between regions reflect differences in

terrain, soils and alternative opportunities for the labor and equipment used. Figures labeled "**State**" represent the straight average of all reports used regardless of geographic location.

Of the 82 rates reported with year-to-year comparisons, 39 increased, 37 decreased, and 6 are virtually unchanged from last year. Overall, custom rates were up 1.41 percent compared to the previous year. Because of the potential variation in size and overall productivity of equipment, a range of reported rates for each job has been included. The range represents the middle 80 percent of all reported rates for each job, thus the lowest 10 percent and the highest 10 percent of all reported values were not published.



Custom Rates: Selected Farming Operations, Pennsylvania, 2013-2014

Job	Basis of Charge	2014 (Dollars)				2013
		Mountain Section	Valley Section	Range ²	State	State (Dollars)
Harvesting:						
Corn Picking	Acre	31.30	28.30	18.00-36.00	28.90	27.30
Corn Combining.....	Acre	34.20	32.40	28.00-37.00	32.70	32.60
Corn Drying (23 Percent).....	Bu.	0.40	0.37	0.10-0.60	0.38	0.49
Combining Small Grains.....	Acre	34.00	31.80	27.50-36.00	32.20	32.10
Combining Soybeans	Acre	34.60	32.70	28.00-37.00	33.00	32.70
Hay Making:						
Mowing.....	Acre	17.40	15.30	10.00-20.00	15.70	15.80
Mowing & Conditioning.....	Acre	18.10	15.70	11.00-20.00	16.20	17.40
Raking.....	Acre	11.00	9.05	5.00-15.00	9.50	9.55
Small Square Baling	Bale	0.94	0.86	0.35-1.25	0.88	0.92
Cut, Rake, Bale & Store	Bale	2.10	2.20	1.00-4.00	2.20	2.00
Large Round Baling.....	Bale	8.40	7.40	5.50-10.00	7.70	7.70
Size	Lbs.	910	842	600-1,200	863	848
Large Square Baling.....	Bale	8.55	8.40	6.50-10.00	8.40	8.35
Size.....	Lbs.	845	833	650-1,200	834	797
Wrapping Bales	Bale	6.90	6.65	4.00-10.00	6.70	6.85
Silage Making:						
Pull-Type Chopper & Tractor.....	Hour	92.60	103.00	60.00-175.00	100.00	92.00
Self-Propelled Chopper	Hour	289.00	253.00	125.00-375.00	257.00	247.00
Less than 365 HP	Hour	-	-	100.00-350.00	218.00	220.00
Greater than 365 HP	Hour	-	-	220.00-400.00	292.00	281.00
Blower	Hour	11.10	21.30	7.00-35.00	19.90	17.00
1 Man, 2 Wagons, 1 Tractor.....	Hour	69.10	64.20	30.00-100.00	64.60	80.60
2 Men, 2 Wagons, 2 Tractors	Hour	105.00	119.00	55.00-180.00	117.00	134.00
1 Man, 1 Truck.....	Hour	69.60	69.80	50.00-85.00	69.80	74.10
Field Chop, Haul & Fill Silo.....	Ton	9.70	9.60	5.00-15.00	9.60	8.30
Bagging Silage.....	Foot	6.30	5.35	3.00-10.00	5.45	4.85
Less than 9.0 ft	Foot	-	-	3.00-8.00	4.95	4.55
Greater than 9.0 ft	Foot	-	-	3.00-10.00	6.05	5.15
Plowing & Cultivating:						
Plowing, Moldboard Plow:						
Stubble.....	Acre	20.70	20.00	12.00-28.00	20.30	21.00
Sod.....	Acre	22.80	22.50	14.00-30.00	22.60	24.90
Plowing, Deep (10 Inches or More).....	Acre	24.10	23.80	14.00-35.00	23.90	25.90
Plowing, Chisel	Acre	19.50	17.50	11.00-24.00	18.00	20.50
Plowing, Disk	Acre	19.60	17.90	11.00-25.00	18.20	22.10
Disking, Tandem	Acre	18.20	17.20	11.00-25.00	17.50	20.40
With Harrow or Cultipacker.....	Acre	18.40	19.10	12.00-25.00	18.90	20.00
Harrowing	Acre	14.90	14.30	8.00-20.00	14.50	17.50
Cultivating	Acre	19.20	14.80	10.00-25.00	15.80	13.90
Planting & Drilling						
Planting Corn, With Fertilizer:						
Conventional-Till.....	Acre	22.60	20.10	15.00-25.00	20.60	20.80
Minimum-Till	Acre	23.40	20.50	15.00-25.00	21.00	21.60
No-Till.....	Acre	25.50	21.00	16.00-26.00	21.70	21.90
Planting Corn, Without Fertilizer:						
Conventional-Till.....	Acre	21.00	18.60	13.00-25.00	19.10	19.70
Minimum-Till	Acre	22.80	19.30	14.00-25.00	19.80	19.80
No-Till.....	Acre	24.10	19.50	15.00-25.00	20.20	20.20
Planting Soybeans, Without Fertilizer:						
Conventional-Till.....	Acre	20.50	18.50	12.00-25.00	18.90	19.70
Minimum-Till	Acre	21.60	19.20	14.00-25.00	19.50	20.30
No-Till.....	Acre	22.00	19.50	15.00-25.00	19.80	20.50
Drilling.....	Acre	21.30	18.60	14.00-24.00	18.90	19.90

See footnote at end of table.

Custom Rates: Selected Farming Operations, Pennsylvania, 2013-2014, Continued

Job	Basis of Charge	2014 (Dollars)				2013
		Mountain Section	Valley Section	Range ¹	State	State (Dollars)
Planting & Drilling (Continued):						
Drilling Small Grain, Without Fertilizer						
Conventional-Till	Acre	18.00	16.70	10.00-22.00	17.00	18.30
Minimum-Till	Acre	20.10	17.70	12.00-23.00	18.00	19.00
No-Till	Acre	20.40	17.90	10.00-23.00	18.20	19.10
Seeding Alfalfa, Clover, Etc.	Acre	20.10	17.90	10.00-25.00	18.30	18.20
Broadcast Seeding (<i>On Grain Fields</i>)	Acre	13.00	12.30	7.00-18.00	12.50	14.90
Cleaning Grain Seed:						
With Treatment	Bu.	0.93	1.50	0.60-2.40	1.45	1.30
Without Treatment	Bu.	0.77	1.00	0.35-1.30	0.95	1.00
Spraying:						
Ground Equipment:						
Spraying for Weed Control Excl. Material	Acre	13.90	10.90	8.00-15.00	11.50	11.20
Spraying for Corn Borer	Acre	13.50	11.10	8.00-15.00	11.50	11.30
Spraying for Spittle Bug or Alfalfa Weevil	Acre	14.20	10.70	8.00-15.00	11.20	11.10
Miscellaneous:						
Grain Hauling:						
Local	Bu.	0.26	0.21	0.13-0.30	0.22	0.22
Long Distance	Bu.	0.51	0.36	0.22-0.57	0.39	0.36
Local	Mile	2.20	2.10	1.00-3.00	2.10	2.25
Long Distance	Mile	2.25	2.45	1.25-3.25	2.40	2.30
Grain Storage	Bu./Month	0.06	0.07	0.03-0.10	0.07	0.06
Stalk Shredding, P.T.O.	Acre	15.90	14.90	8.50-20.00	15.10	16.60
Bushhogging	Acre	30.60	22.20	10.00-50.00	24.90	28.60
Spreading Bulk Fertilizer:						
Dry	Acre	10.60	10.70	5.00-15.00	10.60	10.70
Liquid	Acre	11.40	10.90	7.00-14.50	11.00	11.30
Side Dressing	Acre	12.10	10.70	7.50-15.00	10.90	12.60
Lime	Acre	14.40	13.50	6.00-22.00	13.80	12.90
Grinding Feed:						
Corn, Oats or Barley	Cwt.	0.96	1.10	0.30-1.75	1.10	1.10
Corn & Cobs	Cwt.	0.99	1.15	0.40-2.00	1.10	1.05
Cobs	Cwt.	0.94	1.10	0.30-2.00	1.05	1.00
Additional Charge for Mixing	Cwt.	0.76	0.70	0.20-1.50	0.72	0.57
Machine Tiling (<i>No Tile</i>)	Foot	1.20	1.50	0.50-2.00	1.35	1.05
Back Hoe	Hour	69.60	66.70	45.00-90.00	67.60	62.70
Sawing Wood, Chain Saw	Hour	28.20	34.50	17.50-50.00	32.60	27.50
Post Hole Digging	Hole	6.40	4.80	2.00-10.00	5.40	4.80
Manure Loading, <i>Solid</i>	Hour	55.40	47.50	25.00-75.00	49.30	48.30
Manure Spreading, <i>Solid</i>	Hour	69.40	62.30	25.00-97.00	63.70	54.20
Manure Pumping	Hour	42.90	36.30	10.00-75.00	37.00	30.50
Manure Spreading, <i>Liquid</i>	Hour	89.00	88.80	67.00-105.00	88.80	88.80
Bulldozing	Hour	84.00	91.30	60.00-120.00	89.30	81.60
Average Size	HP	93.90	124.00	70.00-180.00	115.00	91.00
Tractor Rental Rates:						
Less than 80 HP	Hour	42.30	29.70	15.00-50.00	32.00	30.50
80 to 120 HP	Hour	51.90	35.60	15.00-65.00	38.10	37.00
120 to 160 HP	Hour	63.30	43.30	22.00-80.00	45.40	42.60
Greater than 160 HP	Hour	77.90	56.10	30.00-90.00	58.40	56.30

¹ The range represents the middle 80 percent of all reported rates for each job, thus the lowest 10 percent and the highest 10 percent of all reported values were not published.