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Machinery

Custom Rates



*This publication may be found on the Internet
at www.nass.usda.gov/pa/custrate.htm*

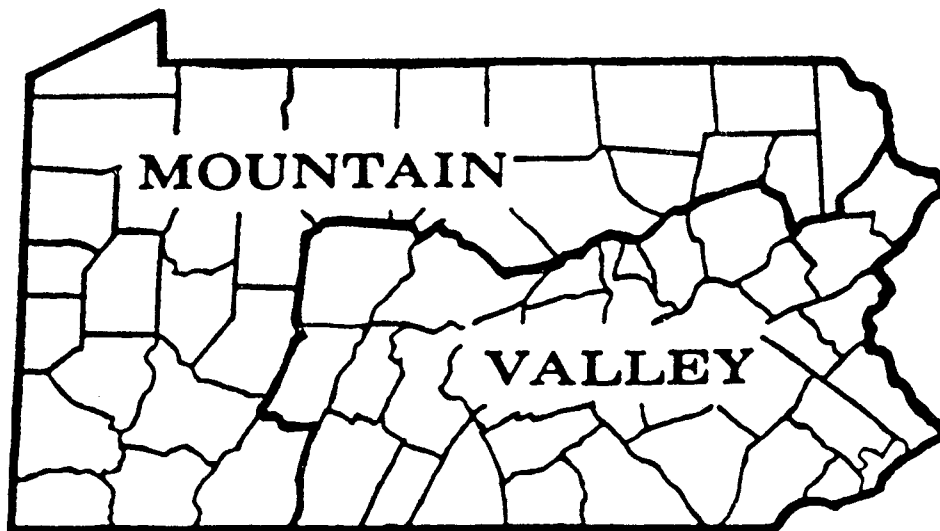
Pennsylvania Machinery Custom Rates 2004

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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. 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.

Acreage 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 77 rates reported with year-to-year comparisons, 49 increased, 23 decreased, and 5 are virtually unchanged from last year. Because of the potential variation in size and overall productivity of equipment, a range of reported rates for each job has been added. 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 excluded.



Custom Rates: Selected Farming Operations, Pennsylvania, 2004

Job	Basis of Charge	Mountain Section (Dollars)	Valley Section (Dollars)	State (Dollars)	Range ¹ (Dollars)
----- Harvesting -----					
Corn Picking	Acre	23.30	23.40	23.40	20.00 - 28.00
Corn Combining	Acre	26.10	25.10	25.30	22.00 - 28.00
Corn Drying (23 Percent)	Bu.	0.29	0.26	0.28	0.06 - 0.44
Combining Small Grains	Acre	24.90	24.40	24.50	22.00 - 27.50
Combining Soybeans	Acre	26.00	25.00	25.20	22.00 - 28.00
Hay Making:					
Mowing	Acre	11.40	10.70	11.00	8.00 - 15.00
Mowing & Conditioning	Acre	11.90	12.60	12.40	10.00 - 15.00
Raking	Acre	7.00	6.40	6.60	4.00 - 10.00
Small Square Baling	Bale	0.50	0.45	0.47	0.30 - 0.75
Cut, Rake, Bale & Store	Bale	1.20	1.29	1.25	0.90 - 1.50
Large Round Baling	Bale	6.40	6.00	6.20	4.50 - 8.00
Size	Lbs.	970 lbs.	830 lbs.	900 lbs.	600 - 1,400 lbs.
Large Square Baling	Bale	6.80	6.70	6.70	5.00 - 8.00
Size	Lbs.	890 lbs.	860 lbs.	870 lbs.	700 - 1,100 lbs.
Wrapping Bales	Bale	6.20	5.50	5.80	4.00 - 7.00
Silage Making:					
Pull-Type Chopper & Tractor	Hour	70.40	71.20	70.80	45.00 - 100.00
Self-Propelled Chopper	Hour	189.50	171.30	175.20	100.00 - 250.00
Less than 350 HP	Hour	-	-	132.50	75.00 - 200.00
Greater than 350 HP	Hour	-	-	204.70	150.00 - 250.00
Blower	Hour	9.20	8.40	8.60	5.00 - 15.00
1 Man, 2 Wagons, 1 Tractor	Hour	45.30	46.30	46.00	21.00 - 60.00
2 Men, 2 Wagons, 2 Tractors	Hour	72.00	71.10	71.40	34.00 - 100.00
1 Man, 1 Truck	Hour	46.80	45.40	45.70	40.00 - 50.00
Field Chop, Haul & Fill Silo	Ton	7.60	7.30	7.50	4.00 - 11.00
Bagging Silage	Foot	5.95	4.40	4.90	3.25 - 6.50
Average Diameter	Feet	-	-	9.0 feet	-
Less than 9.0	Foot	-	-	4.40	3.00 - 5.70
Greater than 9.0	Foot	-	-	5.40	3.70 - 7.75
----- Plowing & Cultivating -----					
Plowing, Moldboard Plow:					
Stubble	Acre	12.80	13.60	13.30	10.00 - 16.00
Sod	Acre	14.40	15.00	14.80	11.00 - 18.00
Plowing, Deep (10 Inches or More)	Acre	15.50	16.20	15.90	12.00 - 20.00
Plowing, Chisel	Acre	12.70	12.30	12.40	10.00 - 15.00
Plowing, Disk	Acre	14.40	12.70	13.30	10.00 - 18.00
Disking, Tandem	Acre	10.60	11.40	11.10	7.75 - 15.00
With Harrow or Cultipacker	Acre	12.50	12.90	12.80	10.00 - 17.00
Harrowing:	Acre	10.60	10.60	10.60	8.00 - 15.00
Cultivating	Acre	9.10	9.90	9.60	6.00 - 15.00
----- Planting & Drilling -----					
Planting Corn, With Fertilizer:					
Conventional-Till	Acre	15.20	15.10	15.10	11.00 - 20.00
Minimum-Till	Acre	16.80	16.00	16.50	13.00 - 20.00
No-Till	Acre	17.20	16.30	17.00	14.00 - 20.00
Planting Corn, Without Fertilizer:					
Conventional-Till	Acre	13.50	12.90	13.30	10.00 - 16.00
Minimum-Till	Acre	15.30	13.60	14.10	11.00 - 17.00
No-Till	Acre	15.70	14.50	15.30	11.00 - 18.00
Planting Soybeans, Without Fertilizer:					
Conventional-Till	Acre	12.70	14.40	13.80	10.00 - 18.00
Minimum-Till	Acre	14.20	14.50	14.40	12.00 - 18.00
No-Till	Acre	16.10	15.50	15.80	12.00 - 20.00
Drilling	Acre	14.40	14.60	14.50	12.00 - 18.00

See footnote at end of table.

Custom Rates: Selected Farming Operations, Pennsylvania, 2004, Continued

Job	Basis of Charge	Mountain Section (Dollars)	Valley Section (Dollars)	State (Dollars)	Range ¹ (Dollars)
----- Planting & Drilling (Continued) -----					
Drilling Small Grain, Without Fertilizer					
Conventional-Till	Acre	12.00	12.30	12.20	7.50 - 17.00
Minimum-Till	Acre	13.60	13.10	13.30	10.00 - 18.00
No-Till	Acre	15.50	15.00	15.30	10.00 - 20.00
Seeding Alfalfa, Clover, Etc.	Acre	14.00	14.30	14.20	10.00 - 19.00
Broadcast Seeding (<i>On Grain Fields</i>)	Acre	8.10	8.40	8.20	5.00 - 13.00
Cleaning Grain Seed:					
With Treatment	Bu.	1.00	1.30	1.15	0.45 - 1.80
Without Treatment	Bu.	0.55	0.75	0.65	0.30 - 1.00
----- Spraying -----					
Ground Equipment:					
Spraying for Weed Control Excl. Material	Acre	8.20	7.30	7.50	6.00 - 10.00
Spraying for Corn Borer	Acre	8.40	7.80	8.00	6.50 - 10.00
Spraying for Spittle Bug or Alfalfa Weevil	Acre	8.30	7.60	7.80	6.00 - 9.25
----- Miscellaneous -----					
Grain Hauling:					
Local	Bu.	0.14	0.13	0.13	0.10 - 0.20
Long Distance	Bu.	0.37	0.24	0.27	0.15 - 0.45
Grain Storage	Bu. Per Month	0.04	0.04	0.04	0.02 - 0.05
Stalk Shredding, P.T.O.	Acre	11.80	10.40	10.80	6.00 - 15.00
Bushhogging	Acre	15.00	14.10	14.50	7.00 - 25.00
Spreading Bulk Fertilizer:					
Dry	Acre	6.90	6.70	6.80	4.00 - 10.00
Liquid	Acre	7.70	7.80	7.70	6.00 - 10.00
Side Dressing	Acre	8.20	8.60	8.40	7.00 - 12.00
Lime	Acre	9.50	8.90	9.20	5.00 - 14.00
Grinding Feed:					
Corn, Oats or Barley	Cwt.	0.65	0.78	0.72	0.25 - 1.20
Corn & Cobs	Cwt.	0.68	0.50	0.59	0.30 - 0.90
Cobs	Cwt.	0.68	0.51	0.61	0.30 - 0.90
Additional Charge for Mixing	Cwt.	0.40	0.38	0.39	0.10 - 0.65
Machine Tiling (<i>No Tile</i>)	Foot	0.70	NA	0.70	0.35 - 1.05
Back Hoe	Hour	47.60	53.00	50.70	36.00 - 70.00
Sawing Wood, Chain Saw	Hour	18.00	18.80	18.40	15.00 - 20.00
Post Hole Digging	Hole	1.35	1.00	1.15	0.75 - 1.50
Manure Loading, <i>Solid</i>	Hour	39.00	38.30	38.40	27.50 - 55.00
Manure Spreading, <i>Solid</i>	Hour	37.50	40.20	39.70	25.00 - 60.00
Manure Pumping	Hour	33.30	26.00	28.70	12.50 - 50.00
Manure Spreading, <i>Liquid</i>	Hour	58.70	62.50	61.50	45.00 - 80.00
Bulldozing	Hour	61.80	71.70	66.70	45.00 - 90.00
Average Size	HP	100 HP	110 HP	105 HP	60 - 150 HP
Tractor Rental Rates:					
Less than 80 HP	Hour	21.10	24.20	23.50	12.50 - 37.50
80 to 120 HP	Hour	29.60	25.30	26.30	14.00 - 42.50
120 to 160 HP	Hour	33.50	34.30	34.10	20.00 - 50.00
Greater than 160 HP	Hour	39.50	41.70	41.00	25.00 - 62.50

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 excluded.

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