



United States Department of Agriculture
National Agricultural Statistics Service



2010 Machinery Custom Rates

Cooperating with the Pennsylvania Department of Agriculture
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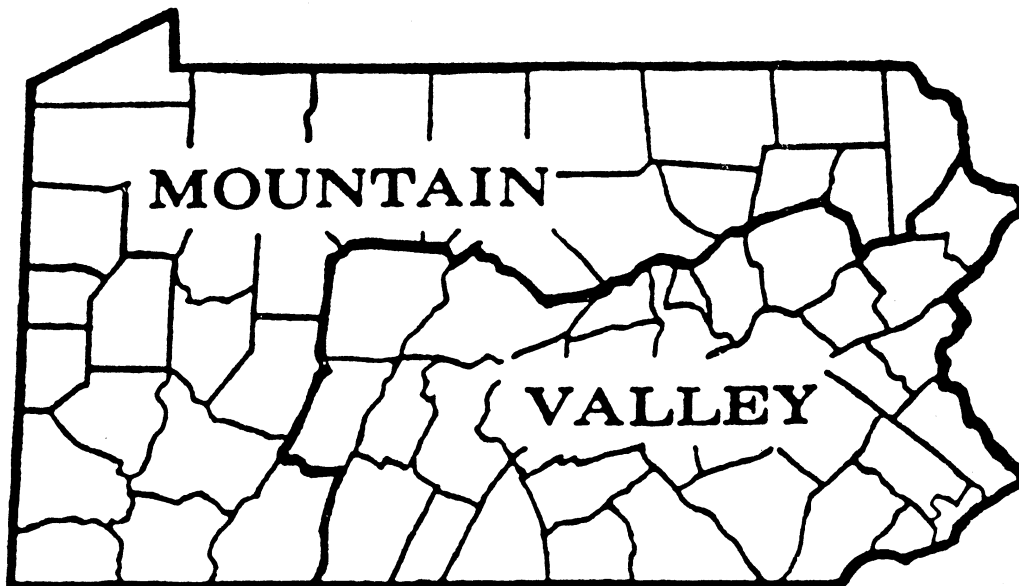
Pennsylvania's 2010 Machinery Custom Rates

By Adam W. Pike, Agricultural Statistician

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, 43 increased, 33 decreased, and 6 are virtually unchanged from last year. Overall, custom rates were down only a small amount 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 excluded.



Custom Rates: Selected Farming Operations, Pennsylvania, 2009-2010

Job	Basis of Charge	2010 (Dollars)				2009
		Mountain Section	Valley Section	Range ¹	State	State (Dollars)
----- Harvesting -----						
Corn Picking.....	Acre	25.50	26.10	18.00 – 33.00	25.90	25.90
Corn Combining	Acre	31.10	30.30	26.00 – 35.00	30.50	30.70
Corn Drying (23 Percent)	Bu.	0.41	0.45	0.18 – 0.75	0.44	0.47
Combining Small Grains	Acre	30.40	29.60	25.00 – 35.00	29.80	30.30
Combining Soybeans	Acre	31.30	30.60	26.00 – 35.00	30.70	30.60
Hay Making:						
Mowing.....	Acre	14.10	15.50	10.00 – 20.00	15.20	14.20
Mowing & Conditioning	Acre	15.40	15.40	11.00 – 20.00	15.40	15.00
Raking.....	Acre	8.70	8.40	5.00 – 12.00	8.45	8.70
Small Square Baling.....	Bale	0.96	0.77	0.35 – 1.50	0.82	0.80
Cut, Rake, Bale & Store	Bale	1.65	1.80	1.00 – 2.50	1.75	1.80
Large Round Baling	Bale	7.40	6.95	5.00 – 9.00	7.10	7.30
Size	Lbs.	850 lbs.	864 lbs.	550 – 1,200 lbs.	859 lbs.	870 lbs.
Large Square Baling	Bale	8.30	7.95	6.00 – 10.00	8.00	8.20
Size	Lbs.	879 lbs.	829 lbs.	650 – 1,200 lbs.	837 lbs.	838 lbs.
Wrapping Bales.....	Bale	6.90	6.85	5.00 – 9.00	6.90	6.85
Silage Making:						
Pull-Type Chopper & Tractor.....	Hour	76.80	82.20	35.00 – 120.00	80.10	78.90
Self-Propelled Chopper.....	Hour	242.00	220.00	120.00 – 325.00	223.00	218.00
Less than 365 HP.....	Hour	-	-	100.00 – 275.00	188.00	179.00
Greater than 365 HP.....	Hour	-	-	195.00 – 350.00	260.00	252.00
Blower.....	Hour	15.30	18.10	8.00 – 40.00	17.40	17.00
1 Man, 2 Wagons, 1 Tractor.....	Hour	61.00	75.40	50.00 – 125.00	72.40	70.00
2 Men, 2 Wagons, 2 Tractors.....	Hour	98.90	115.00	75.00 – 150.00	111.00	108.00
1 Man, 1 Truck	Hour	60.90	64.60	50.00 – 75.00	64.00	60.80
Field Chop, Haul & Fill Silo	Ton	9.65	7.80	4.00 – 12.00	8.35	12.00
Bagging Silage.....	Foot	5.70	4.25	2.50 – 6.50	4.55	4.75
Less than 9.0 ft.....	Foot	-	-	2.75 – 5.50	4.20	3.75
Greater than 9.0 ft.....	Foot	-	-	2.50 – 8.85	5.40	5.35
----- Plowing & Cultivating -----						
Plowing, Moldboard Plow:						
Stubble.....	Acre	19.00	20.20	13.00 – 25.00	19.80	19.10
Sod.....	Acre	20.30	23.00	12.00 – 35.00	22.00	20.80
Plowing, Deep (10 Inches or More)....	Acre	23.90	25.60	15.00 – 38.00	25.20	22.60
Plowing, Chisel.....	Acre	16.30	17.10	12.00 – 20.00	16.90	16.80
Plowing, Disk.....	Acre	16.40	18.10	10.00 – 23.00	17.70	17.20
Disking, Tandem	Acre	16.00	15.50	10.00 – 20.00	15.70	16.50
With Harrow or Cultipacker	Acre	16.80	18.10	13.00 – 20.25	17.90	18.50
Harrowing:	Acre	13.20	14.20	10.00 – 18.00	14.00	15.00
Cultivating	Acre	13.90	15.90	10.00 – 20.00	15.30	15.60
----- Planting & Drilling -----						
Planting Corn, With Fertilizer:						
Conventional-Till	Acre	18.90	18.30	14.00 – 22.00	18.40	18.10
Minimum-Till.....	Acre	19.80	19.90	15.00 – 25.00	19.90	18.70
No-Till.....	Acre	21.90	20.10	15.00 – 25.00	20.50	20.10
Planting Corn, Without Fertilizer:						
Conventional-Till	Acre	17.40	17.70	13.00 – 22.00	17.30	17.30
Minimum-Till.....	Acre	19.30	18.30	14.00 – 25.00	18.60	18.20
No-Till.....	Acre	21.10	18.50	14.50 – 24.00	19.10	19.00
Planting Soybeans, Without Fertilizer:						
Conventional-Till	Acre	17.20	17.40	14.00 – 21.00	17.30	17.60
Minimum-Till.....	Acre	18.80	17.90	14.00 – 22.00	18.10	18.40
No-Till.....	Acre	20.90	18.80	15.00 – 23.00	19.10	18.60
Drilling.....	Acre	19.20	18.10	14.00 – 22.00	18.30	18.30

See footnote at end of table.

Custom Rates: Selected Farming Operations, Pennsylvania, 2009-2010, Continued

Job	Basis of Charge	2010 (Dollars)				2009
		Mountain Section	Valley Section	Range ¹	State	State (Dollars)
----- Planting & Drilling (Continued) -----						
Drilling Small Grain, Without Fertilizer						
Conventional-Till.....	Acre	16.00	16.20	10.00 – 20.00	16.20	16.00
Minimum-Till.....	Acre	17.50	17.50	14.00 – 21.00	17.50	17.90
No-Till.....	Acre	20.80	17.60	12.00 – 22.00	18.00	17.60
Seeding Alfalfa, Clover, Etc.....	Acre	16.00	17.70	10.00 – 22.00	17.40	16.70
Broadcast Seeding (On Grain Fields).....	Acre	11.00	11.40	8.00 – 13.00	11.20	11.90
Cleaning Grain Seed:						
With Treatment.....	Bu.	0.98	1.60	0.70 – 2.25	1.50	1.40
Without Treatment.....	Bu.	0.82	0.96	0.50 – 1.30	0.92	0.84
----- Spraying -----						
Ground Equipment:						
Spraying for Weed Control Excl. Material...	Acre	12.30	9.85	7.00 – 15.00	10.40	10.50
Spraying for Corn Borer.....	Acre	11.60	9.80	8.00 – 12.50	10.10	11.10
Spraying for Spittle Bug or Alfalfa Weevil ...	Acre	10.70	9.75	7.00 – 13.00	9.90	10.60
----- Miscellaneous -----						
Grain Hauling:						
Local.....	Bu.	0.23	0.19	0.12 – 0.25	0.20	0.20
Long Distance	Bu.	0.39	0.34	0.20 – 0.50	0.35	0.36
Local	Mile	2.25	2.15	1.00 – 4.00	2.15	2.10
Long Distance	Mile	1.90	2.20	1.00 – 3.25	2.10	2.10
Grain Storage	Bu./Month	0.05	0.05	0.03 – 0.06	0.05	0.06
Stalk Shredding, P.T.O.....	Acre	15.70	14.00	6.50 – 20.00	14.30	15.00
Bushhogging	Acre	23.70	24.50	12.00 – 45.00	24.20	22.60
Spreading Bulk Fertilizer:						
Dry.....	Acre	10.50	9.55	6.00 – 12.00	9.85	9.20
Liquid.....	Acre	11.40	10.30	8.00 – 14.00	10.60	11.00
Side Dressing	Acre	12.70	9.80	8.00 – 14.00	10.40	10.00
Lime.....	Acre	14.90	10.40	6.00 – 20.00	12.20	12.00
Grinding Feed:						
Corn, Oats or Barley.....	Cwt.	0.80	1.05	0.40 – 1.50	0.95	1.05
Corn & Cobs.....	Cwt.	0.79	1.05	0.50 – 1.50	0.97	1.05
Cobs.....	Cwt.	0.74	0.94	0.20 – 1.10	0.88	0.97
Additional Charge for Mixing	Cwt.	0.51	0.53	0.10 – 0.75	0.53	0.62
Machine Tiling (No Tile).....	Foot	0.79	1.20	0.55 – 2.00	1.00	1.05
Back Hoe.....	Hour	54.00	60.20	40.00 – 80.00	57.80	54.60
Sawing Wood, Chain Saw	Hour	20.90	28.00	12.00 – 45.00	25.90	23.30
Post Hole Digging.....	Hole	4.55	3.45	1.25 – 5.00	3.75	4.30
Manure Loading, <i>Solid</i>	Hour	40.90	46.70	25.00 – 65.00	45.00	43.60
Manure Spreading, <i>Solid</i>	Hour	41.20	57.90	30.00 – 85.00	54.50	47.90
Manure Pumping.....	Hour	41.30	29.60	15.00 – 54.00	32.00	31.70
Manure Spreading, <i>Liquid</i>	Hour	70.90	81.70	60.00 – 100.00	79.90	76.20
Bulldozing.....	Hour	67.90	83.10	50.00 – 100.00	77.30	78.00
Average Size	HP	100.00 HP	127.00 HP	60 – 200 HP	116.00 HP	99.50 HP
Tractor Rental Rates:						
Less than 80 HP.....	Hour	31.50	27.00	12.00 – 50.00	27.80	27.40
80 to 120 HP	Hour	45.30	33.20	15.00 – 60.00	35.40	35.40
120 to 160 HP	Hour	51.40	40.30	20.00 – 60.00	41.70	42.40
Greater than 160 HP	Hour	64.90	49.60	30.00 – 75.00	51.60	52.40

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.