



United States Department of Agriculture  
National Agricultural Statistics Service



# 2012 Machinery Custom Rates

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# Pennsylvania's 2012 Machinery Custom Rates

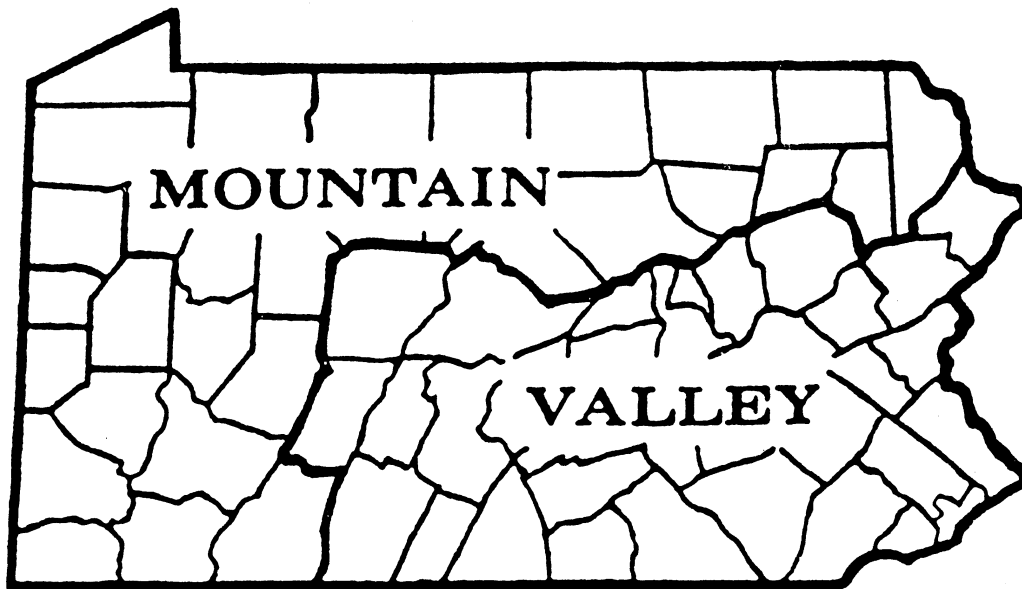
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The custom rates shown are averages from voluntary reports by custom operators and farmers throughout Pennsylvania. Most of the rates are stated per acre, cwt., ton, bale, or bushel rather than per hour to reduce the variation due to machinery size. 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 84 rates reported with year-to-year comparisons, 55 increased, 23 decreased, and 6 are virtually unchanged from last year. Overall, custom rates were up 2.71 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, 2011-2012

Job	Basis of Charge	2012 (Dollars)				2011
		Mountain Section	Valley Section	Range <sup>1</sup>	State	State (Dollars)
<b>Harvesting:</b>						
Corn Picking .....	Acre	29.20	25.30	15.00-35.00	26.70	26.30
Corn Combining.....	Acre	33.10	32.00	28.00-35.00	32.20	30.90
Corn Drying (23 Percent).....	Bu.	0.46	0.48	0.14-0.75	0.47	0.46
Combining Small Grains.....	Acre	32.80	31.30	27.00-35.00	31.60	30.80
Combining Soybeans .....	Acre	34.00	31.90	29.50-35.00	32.30	31.30
<b>Hay Making:</b>						
Mowing.....	Acre	13.70	15.60	10.00-20.00	15.10	15.40
Mowing & Conditioning.....	Acre	17.20	15.60	12.00-20.00	16.10	15.90
Raking.....	Acre	9.75	8.75	5.00-12.00	9.00	9.00
Small Square Baling .....	Bale	0.85	0.79	0.40-1.25	0.81	0.81
Cut, Rake, Bale & Store .....	Bale	1.90	1.80	1.00-2.75	1.80	1.80
Large Round Baling.....	Bale	7.90	7.05	5.25-10.00	7.40	7.35
Size.....	Lbs.	879	811	550-1,200	839	869 lbs.
Large Square Baling.....	Bale	8.75	8.30	6.50-10.15	8.35	8.15
Size.....	Lbs.	738	799	600-1,000	791	833 lbs.
Wrapping Bales .....	Bale	6.60	6.85	4.50-10.00	6.80	6.85
<b>Silage Making:</b>						
Pull-Type Chopper & Tractor.....	Hour	76.80	94.70	50.00-135.00	88.80	79.60
Self-Propelled Chopper .....	Hour	265.00	243.00	140.00-350.00	247.00	229.00
Less than 365 HP .....	Hour	-	-	105.00-300.00	204.00	174.00
Greater than 365 HP .....	Hour	-	-	200.00-365.00	281.00	281.00
Blower .....	Hour	14.60	15.70	8.00-29.00	15.50	16.40
1 Man, 2 Wagons, 1 Tractor.....	Hour	56.30	69.90	35.00-100.00	68.00	70.30
2 Men, 2 Wagons, 2 Tractors.....	Hour	82.00	120.00	68.00-160.00	115.00	122.00
1 Man, 1 Truck.....	Hour	61.30	67.10	50.00-85.00	66.00	64.90
Field Chop, Haul & Fill Silo.....	Ton	10.70	8.20	4.50-15.00	8.95	9.60
Bagging Silage.....	Foot	6.85	4.60	3.50-7.50	5.05	5.25
Less than 9.0 ft.....	Foot	-	-	3.50-6.50	4.60	4.25
Greater than 9.0 ft.....	Foot	-	-	4.13-10.00	5.95	6.25
<b>Plowing &amp; Cultivating:</b>						
<b>Plowing, Moldboard Plow:</b>						
Stubble.....	Acre	19.20	19.90	15.00-28.00	19.60	20.40
Sod.....	Acre	22.70	22.20	14.00-32.00	22.40	22.10
Plowing, Deep (10 Inches or More).....	Acre	20.20	25.40	15.00-30.00	24.00	24.80
Plowing, Chisel.....	Acre	19.00	18.60	15.00-25.00	18.70	17.90
Plowing, Disk .....	Acre	19.70	18.90	12.00-25.00	19.20	18.50
Disking, Tandem.....	Acre	18.10	18.10	12.00-23.00	18.10	16.90
With Harrow or Cultipacker.....	Acre	18.80	18.60	13.00-25.00	18.60	18.30
Harrowing.....	Acre	14.80	15.20	11.00-20.00	15.10	14.90
Cultivating.....	Acre	13.00	13.50	9.00-20.00	13.30	14.10
<b>Planting &amp; Drilling</b>						
<b>Planting Corn, With Fertilizer:</b>						
Conventional-Till.....	Acre	20.30	19.10	14.00-25.00	19.50	18.80
Minimum-Till .....	Acre	21.00	20.40	17.00-25.00	20.50	19.60
No-Till.....	Acre	22.70	20.50	16.00-25.00	21.00	20.40
<b>Planting Corn, Without Fertilizer:</b>						
Conventional-Till.....	Acre	20.00	18.60	14.00-25.00	19.00	17.80
Minimum-Till .....	Acre	20.50	19.20	15.00-25.00	19.50	18.60
No-Till.....	Acre	22.30	19.50	15.00-25.00	19.90	19.30
<b>Planting Soybeans, Without Fertilizer:</b>						
Conventional-Till.....	Acre	19.30	19.00	15.00-23.00	19.20	18.10
Minimum-Till .....	Acre	21.10	19.10	15.00-24.00	19.40	18.60
No-Till.....	Acre	21.70	19.50	15.00-25.00	19.80	19.00
Drilling.....	Acre	20.00	19.60	15.00-24.00	19.60	18.60

See footnote at end of table.

## Custom Rates: Selected Farming Operations, Pennsylvania, 2011-2012, Continued

Job	Basis of Charge	2012 (Dollars)				2011 State (Dollars)
		Mountain Section	Valley Section	Range <sup>1</sup>	State	
<b>Planting &amp; Drilling (Continued):</b>						
Drilling Small Grain, Without Fertilizer						
Conventional-Till.....	Acre	17.80	17.00	10.00-23.00	17.20	16.70
Minimum-Till.....	Acre	18.60	18.10	15.00-23.00	18.40	17.70
No-Till.....	Acre	20.40	18.20	12.00-23.00	18.50	17.90
Seeding Alfalfa, Clover, Etc.....	Acre	19.70	18.30	12.00-25.00	18.60	17.40
Broadcast Seeding ( <i>On Grain Fields</i> ).....	Acre	12.90	11.40	6.00-18.00	11.90	11.80
Cleaning Grain Seed:						
With Treatment.....	Bu.	1.25	1.30	0.50-2.00	1.30	1.15
Without Treatment.....	Bu.	0.86	0.93	0.50-1.20	0.92	0.84
<b>Spraying:</b>						
Ground Equipment:						
Spraying for Weed Control Excl. Material.....	Acre	12.30	10.20	7.50-15.00	10.70	10.70
Spraying for Corn Borer.....	Acre	11.40	10.80	8.00-15.00	10.90	11.40
Spraying for Spittle Bug or Alfalfa Weevil.....	Acre	12.10	9.80	7.50-13.00	10.30	10.40
<b>Miscellaneous:</b>						
Grain Hauling:						
Local.....	Bu.	0.24	0.20	0.14-0.30	0.21	0.20
Long Distance.....	Bu.	0.50	0.33	0.20-0.55	0.36	0.33
Local.....	Mile	2.45	2.50	1.00-3.50	2.50	2.30
Long Distance.....	Mile	2.25	2.75	1.50-4.00	2.65	2.30
Grain Storage.....	Bu./Month	0.05	0.05	0.03-0.07	0.05	0.05
Stalk Shredding, P.T.O.....	Acre	17.70	15.10	10.00-24.00	15.60	14.70
Bushhogging.....	Acre	28.90	22.70	12.00-40.00	25.20	26.40
Spreading Bulk Fertilizer:						
Dry.....	Acre	10.40	9.70	6.00-15.00	10.00	10.40
Liquid.....	Acre	12.40	10.10	7.50-14.00	10.70	10.40
Side Dressing.....	Acre	12.20	10.20	8.25-14.50	10.70	10.90
Lime.....	Acre	14.30	13.10	6.00-22.00	13.60	12.20
Grinding Feed:						
Corn, Oats or Barley.....	Cwt.	0.92	1.10	0.50-1.75	1.00	0.93
Corn & Cobs.....	Cwt.	0.79	1.05	0.60-1.40	0.98	0.87
Cobs.....	Cwt.	0.75	0.83	0.50-1.00	0.81	0.82
Additional Charge for Mixing.....	Cwt.	0.43	0.62	0.25-0.78	0.56	0.58
Machine Tiling ( <i>No Tile</i> ).....	Foot	0.74	1.20	0.35-2.00	0.95	1.05
Back Hoe.....	Hour	56.60	64.40	35.00-85.00	61.20	59.90
Sawing Wood, Chain Saw.....	Hour	25.00	28.70	15.00-50.00	27.40	24.10
Post Hole Digging.....	Hole	4.40	4.10	1.50-5.75	4.30	3.95
Manure Loading, <i>Solid</i> .....	Hour	41.90	47.80	20.00-70.00	46.10	46.60
Manure Spreading, <i>Solid</i> .....	Hour	43.90	60.70	30.00-88.00	56.70	52.90
Manure Pumping.....	Hour	41.10	29.10	10.00-65.00	31.10	31.80
Manure Spreading, <i>Liquid</i> .....	Hour	72.80	86.00	65.00-100.00	84.60	83.40
Bulldozing.....	Hour	75.00	84.10	50.00-100.00	79.90	79.80
Average Size.....	HP	92.30	110.00	60.00-150.00	102.00	94.90 HP
Tractor Rental Rates:						
Less than 80 HP.....	Hour	40.20	31.50	15.00-55.00	33.70	31.40
80 to 120 HP.....	Hour	47.20	34.10	16.00-60.00	36.10	33.80
120 to 160 HP.....	Hour	56.30	41.30	20.00-70.00	42.80	41.70
Greater than 160 HP.....	Hour	67.80	53.40	35.00-90.00	55.50	49.50

<sup>1</sup>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.