

United States Department of Agriculture



National Agricultural  
Statistics Service

# PENNSYLVANIA'S 2006 MACHINERY CUSTOM RATES

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*This publication may be found on the Internet at:*

*[www.nass.usda.gov/Statistics\\_by\\_State/Pennsylvania/  
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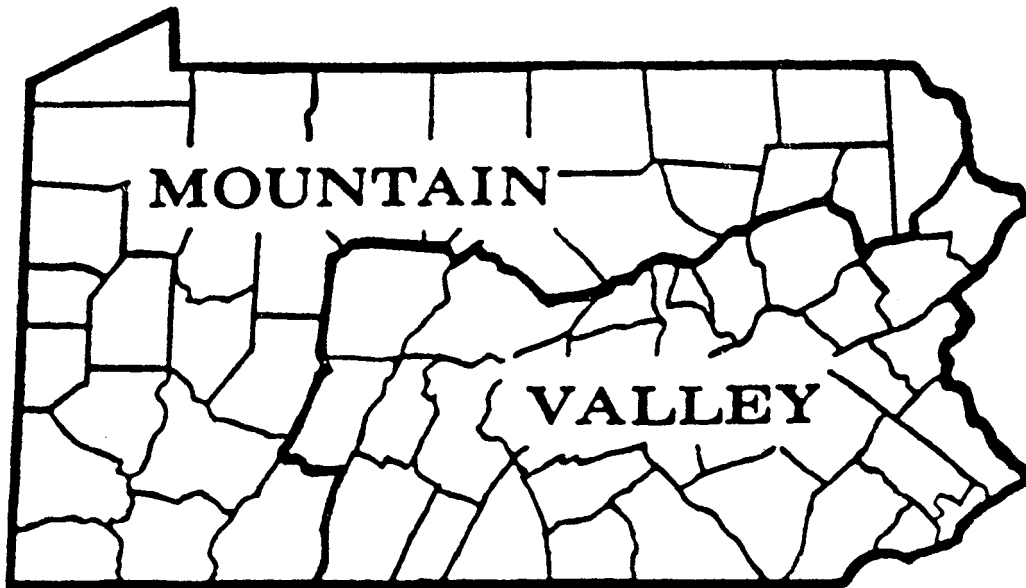
# Pennsylvania Machinery Custom Rates 2006

By Mark W. Jordan, 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 80 rates reported with year-to-year comparisons, 62 increased, 14 decreased, and 4 are virtually unchanged from last year. Overall, custom rates were up about 6 percent from 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, 2005-2006

Job	Basis of Charge	2006 (Dollars)				2005
		Mountain Section	Valley Section	Range <sup>1</sup>	State	State (Dollars)
<b>----- Harvesting -----</b>						
Corn Picking.....	Acre	26.00	22.60	15.00 – 30.00	23.50	23.60
Corn Combining.....	Acre	28.80	26.80	23.00 – 30.00	27.20	25.90
Corn Drying (23 Percent).....	Bu.	0.37	0.36	0.25 – 0.48	0.36	0.32
Combining Small Grains.....	Acre	26.00	26.50	22.00 – 30.00	26.40	25.30
Combining Soybeans.....	Acre	28.60	27.40	24.00 – 30.00	27.50	26.00
Hay Making:						
Mowing.....	Acre	13.40	11.50	8.00 – 16.00	12.00	12.20
Mowing & Conditioning.....	Acre	13.80	13.80	10.00 – 19.00	13.80	13.60
Raking.....	Acre	7.90	7.30	4.00 – 10.00	7.50	7.20
Small Square Baling.....	Bale	0.66	0.56	0.28 – 1.00	0.59	0.60
Cut, Rake, Bale & Store.....	Bale	1.42	1.50	1.00 – 2.25	1.48	1.30
Large Round Baling.....	Bale	7.00	6.30	5.00 – 8.00	6.50	6.20
Size.....	Lbs.	940 lbs.	850 lbs.	550 – 1,250 lbs.	890 lbs.	900 lbs.
Large Square Baling.....	Bale	7.80	7.30	5.60 – 9.00	7.40	6.90
Size.....	Lbs.	890 lbs.	820 lbs.	550 – 1,200 lbs.	830 lbs.	880 lbs.
Wrapping Bales.....	Bale	5.90	6.10	4.00 – 8.00	6.00	5.60
Silage Making:						
Pull-Type Chopper & Tractor.....	Hour	72.50	76.10	40.00 – 100.00	74.90	68.30
Self-Propelled Chopper.....	Hour	231.00	188.00	110.00 – 275.00	195.00	179.00
Less than 365 HP.....	Hour	-	-	100.00 – 230.00	162.00	132.00
Greater than 365 HP.....	Hour	-	-	210.00 – 350.00	232.00	209.00
Blower.....	Hour	10.30	11.90	5.00 – 20.00	11.60	9.20
1 Man, 2 Wagons, 1 Tractor.....	Hour	52.40	50.20	30.00 – 65.00	50.60	48.90
2 Men, 2 Wagons, 2 Tractors.....	Hour	76.70	83.80	50.00 – 115.00	82.60	77.50
1 Man, 1 Truck.....	Hour	52.80	50.40	45.00 – 60.00	51.10	48.60
Field Chop, Haul & Fill Silo.....	Ton	9.30	9.20	3.50 – 15.00	9.20	7.40
Bagging Silage.....	Foot	5.50	4.80	3.00 – 6.00	4.90	5.50
Average Diameter.....	Feet	-	-	-	9.0 feet	9.0 feet
Less than 9.0.....	Foot	-	-	2.50 – 6.00	4.20	4.50
Greater than 9.0.....	Foot	-	-	4.00 – 8.00	6.00	5.70
<b>----- Plowing &amp; Cultivating -----</b>						
Plowing, Moldboard Plow:						
Stubble.....	Acre	15.40	15.80	10.00 – 20.00	15.70	14.60
Sod.....	Acre	17.20	17.30	12.00 – 22.00	17.30	16.50
Plowing, Deep (10 Inches or More).....	Acre	18.20	18.10	12.50 – 23.50	18.20	17.50
Plowing, Chisel.....	Acre	14.50	14.00	10.00 – 18.00	14.10	13.30
Plowing, Disk.....	Acre	14.80	13.30	10.00 – 18.00	13.80	14.00
Disking, Tandem.....	Acre	13.30	13.30	9.00 – 19.50	13.30	12.10
With Harrow or Cultipacker.....	Acre	14.80	14.20	10.00 – 18.00	14.30	12.90
Harrowing:	Acre	12.60	11.60	8.00 – 17.00	11.80	11.50
Cultivating.....	Acre	12.40	12.40	8.00 – 20.00	12.40	11.10
<b>----- Planting &amp; Drilling -----</b>						
Planting Corn, With Fertilizer:						
Conventional-Till.....	Acre	15.60	15.80	12.00 – 20.00	15.70	14.90
Minimum-Till.....	Acre	18.30	16.60	14.00 – 20.00	17.00	16.30
No-Till.....	Acre	19.70	17.30	14.00 – 23.00	17.70	16.80
Planting Corn, Without Fertilizer:						
Conventional-Till.....	Acre	15.10	13.90	10.00 – 18.00	14.00	14.40
Minimum-Till.....	Acre	18.10	14.40	12.00 – 19.00	15.00	15.10
No-Till.....	Acre	18.40	15.50	12.00 – 20.00	15.90	16.00
Planting Soybeans, Without						
Conventional-Till.....	Acre	14.10	14.90	10.50 – 20.00	14.80	14.10
Minimum-Till.....	Acre	16.60	15.80	12.00 – 20.00	15.90	15.50
No-Till.....	Acre	18.00	16.40	12.00 – 20.00	16.50	16.20
Drilling.....	Acre	15.80	16.10	12.00 – 20.00	16.10	15.30

See footnote at end of table.

## Custom Rates: Selected Farming Operations, Pennsylvania, 2005-2006, Continued

Job	Basis of Charge	2006 (Dollars)				2005 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	13.30	13.60	9.00 – 18.00	13.60	12.90
Minimum-Till.....	Acre	17.10	15.30	12.00 – 20.00	15.60	14.50
No-Till .....	Acre	18.60	16.10	12.00 – 20.00	16.50	15.50
Seeding Alfalfa, Clover, Etc.....	Acre	14.90	14.80	10.00 – 20.00	14.80	14.40
Broadcast Seeding (On Grain Fields).....	Acre	9.50	8.90	6.00 – 10.50	9.20	9.30
Cleaning Grain Seed:						
With Treatment .....	Bu.	1.21	1.27	0.53 – 1.90	1.25	1.19
Without Treatment.....	Bu.	0.60	0.69	0.30 – 1.00	0.65	0.64
<b>----- Spraying -----</b>						
Ground Equipment:						
Spraying for Weed Control Excl. Material...	Acre	9.10	7.90	6.50 – 10.00	8.20	8.70
Spraying for Corn Borer.....	Acre	9.90	8.20	6.50 – 10.00	8.60	9.30
Spraying for Spittle Bug or Alfalfa Weevil...	Acre	8.90	7.80	6.00 – 10.00	8.00	8.50
<b>----- Miscellaneous -----</b>						
Grain Hauling:						
Local.....	Bu.	0.18	0.15	0.10 – 0.22	0.16	0.15
Long Distance .....	Bu.	0.41	0.26	0.16 – 0.45	0.28	0.27
Grain Storage .....	Bu. Per Month	0.04	0.05	0.02 – 0.07	0.05	0.05
Stalk Shredding, P.T.O.....	Acre	15.30	12.20	8.00 – 16.00	12.60	12.60
Bushhogging.....	Acre	22.10	18.60	10.00 – 35.00	19.90	17.70
Spreading Bulk Fertilizer:						
Dry.....	Acre	8.30	6.90	4.50 – 10.00	7.30	7.00
Liquid.....	Acre	9.10	8.20	6.00 – 12.00	8.40	8.40
Side Dressing.....	Acre	9.10	8.40	6.00 – 10.25	8.50	9.00
Lime.....	Acre	10.50	9.70	5.00 – 14.50	10.00	10.10
Grinding Feed:						
Corn, Oats or Barley.....	Cwt.	0.81	0.96	0.30 – 1.20	0.91	0.84
Corn & Cobs .....	Cwt.	0.75	0.85	0.40 – 1.25	0.82	0.77
Cobs .....	Cwt.	0.67	0.82	0.40 – 1.00	0.75	0.70
Additional Charge for Mixing.....	Cwt.	0.41	0.48	0.13 – 0.94	0.45	0.38
Machine Tiling (No Tile) .....	Foot	-	-	0.40 – 1.75	0.91	0.75
Back Hoe .....	Hour	48.30	53.70	35.00 – 70.00	51.70	48.40
Sawing Wood, Chain Saw .....	Hour	18.20	22.20	14.00 – 30.00	20.80	19.10
Post Hole Digging .....	Hole	2.40	2.10	1.00 – 4.00	2.20	2.10
Manure Loading, <i>Solid</i> .....	Hour	36.60	41.70	25.00 – 60.00	40.50	37.80
Manure Spreading, <i>Solid</i> .....	Hour	36.70	44.70	30.00 – 65.00	43.50	39.00
Manure Pumping.....	Hour	35.20	29.30	10.00 – 61.60	30.30	28.00
Manure Spreading, <i>Liquid</i> .....	Hour	60.30	69.40	52.00 – 90.00	68.30	62.70
Bulldozing .....	Hour	58.70	70.80	40.00 – 95.00	66.50	63.10
Average Size.....	HP	100 HP	112 HP	60 – 145 HP	108 HP	113 HP
Tractor Rental Rates:						
Less than 80 HP.....	Hour	22.60	20.80	10.00 – 30.00	21.20	20.30
80 to 120 HP .....	Hour	34.40	24.90	13.00 – 40.00	26.00	24.40
120 to 160 HP .....	Hour	37.90	31.50	15.00 – 50.00	32.10	29.00
Greater than 160 HP.....	Hour	45.10	41.00	25.00 – 65.00	41.60	37.20

<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 excluded.

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