

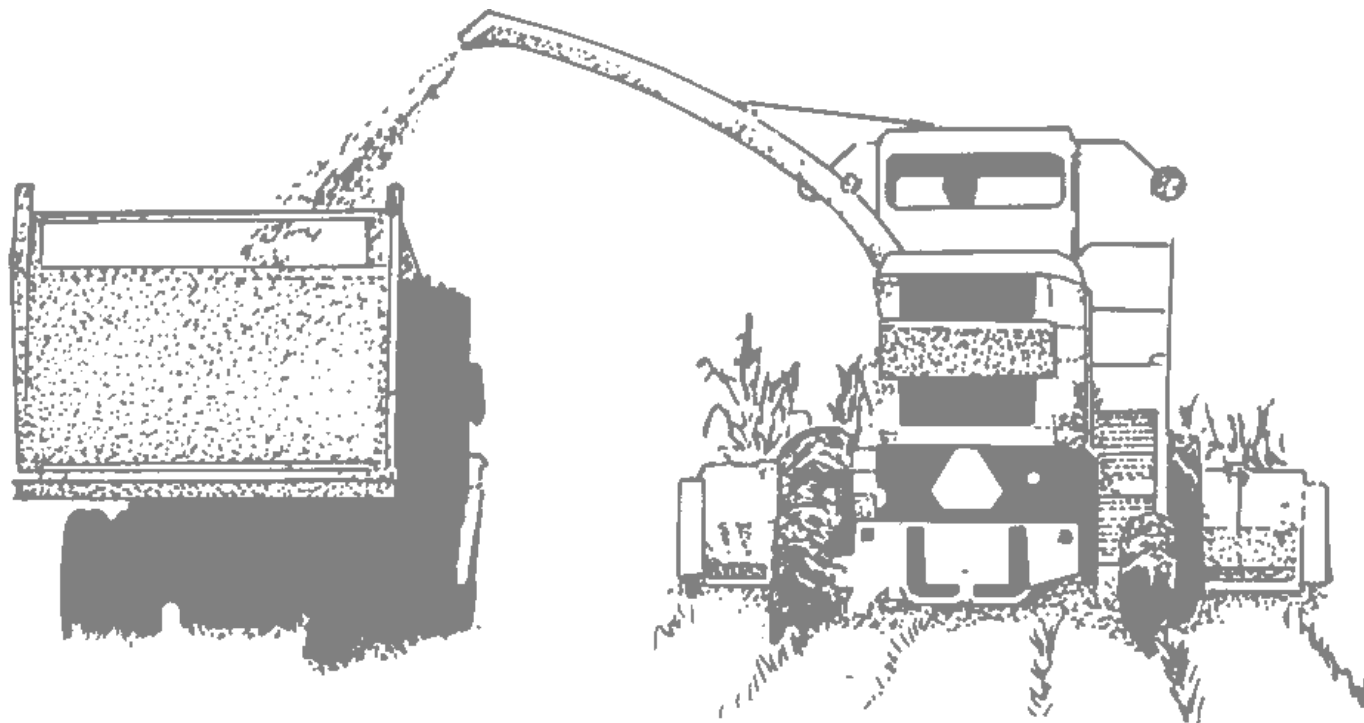


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Pennsylvania's 2003 Machinery Custom Rates



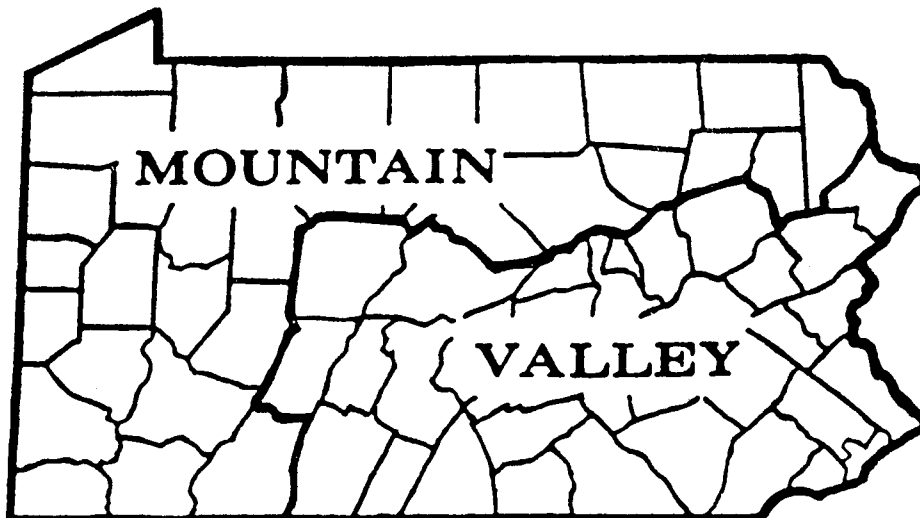
Pennsylvania Machinery Custom Rates 2003

By Scott W. Shimmin
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. 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 63 rates reported with year-to-year comparisons, 41 increased, 16 decreased, and 6 are the same as last year. Thirteen new items were added to the survey this 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, 2003

Job	Basis of Charge	Mountain Section (Dollars)	Valley Section (Dollars)	State (Dollars)	Range (Dollars)
----- Harvesting -----					
Corn Picking	Acre	22.70	21.90	22.20	13.50 - 28.00
Corn Combining	Acre	25.60	25.00	25.20	22.00 - 29.00
Corn Drying (23 Percent)	Bu.	0.28	0.27	0.27	0.12 - 0.40
Combining Small Grains	Acre	24.10	24.30	24.30	22.00 - 27.00
Combining Soybeans	Acre	25.50	24.90	25.00	22.00 - 28.00
Hay Making:					
Mowing	Acre	10.40	11.00	10.80	8.00 - 14.00
Mowing & Conditioning	Acre	11.80	12.00	11.90	9.00 - 15.00
Raking	Acre	7.00	5.75	6.30	4.00 - 8.00
Small Square Baling	Bale	0.49	0.48	0.48	0.30 - 0.75
Cut, Rake, Bale & Store	Bale	1.05	1.15	1.10	0.80 - 1.40
Large Round Baling	Bale	6.85	6.10	6.40	5.00 - 9.00
Size	Lbs.	1,020 lbs.	850 lbs.	930 lbs.	600 - 1,350 lbs.
Large Square Baling	Bale	7.65	7.15	7.25	5.00 - 10.00
Size	Lbs.	960 lbs.	920 lbs.	930 lbs.	650 - 1,400 lbs.
Wrapping Bales	Bale	5.70	5.10	5.35	3.25 - 7.00
Silage Making:					
Pull-Type Chopper & Tractor	Hour	59.30	65.80	63.10	37.50 - 100.00
Self-Propelled Chopper	Hour	173.40	167.10	168.60	100.00 - 240.00
Less than 350 HP	Hour	-	-	138.00	70.00 - 200.00
Greater than 350 HP	Hour	-	-	206.30	150.00 - 260.00
Blower	Hour	8.30	9.20	9.00	5.00 - 15.00
1 Man, 2 Wagons, 1 Tractor	Hour	47.70	51.60	50.60	30.00 - 90.00
2 Men, 2 Wagons, 2 Tractors	Hour	73.60	76.20	75.10	45.00 - 100.00
1 Man, 1 Truck	Hour	46.70	44.30	45.20	35.00 - 50.00
Field Chop, Haul & Fill Silo	Ton	7.55	5.00	6.00	3.00 - 10.00
Bagging Silage	Foot	5.60	4.70	4.95	2.50 - 8.60
Average Diameter	Feet	-	-	8.5 feet	-
----- Plowing & Cultivating -----					
Plowing, Moldboard Plow:					
Stubble	Acre	12.30	13.00	12.70	10.00 - 16.00
Sod	Acre	14.10	14.30	14.20	12.00 - 17.00
Plowing, Deep (10 Inches or More)	Acre	14.10	15.70	15.10	12.00 - 18.00
Plowing, Chisel	Acre	12.60	12.30	12.40	10.00 - 15.00
Plowing, Disk	Acre	13.40	12.30	12.70	10.00 - 15.00
Disking, Tandem	Acre	11.10	10.70	10.80	7.50 - 14.00
With Harrow or Cultipacker	Acre	12.20	11.60	11.80	8.00 - 15.00
Harrowing:	Acre	9.40	9.20	9.30	5.00 - 12.00
Cultivating	Acre	8.90	8.10	8.40	5.00 - 10.00
----- Planting & Drilling -----					
Planting Corn, With Fertilizer:					
Conventional-Till	Acre	14.80	14.60	14.70	10.00 - 19.00
Minimum-Till	Acre	16.50	14.60	15.00	12.00 - 18.00
No-Till	Acre	17.70	15.90	16.30	14.00 - 20.00
Planting Corn, Without Fertilizer:					
Conventional-Till	Acre	13.80	13.60	13.70	10.00 - 16.00
Minimum-Till	Acre	15.50	13.60	14.10	11.00 - 18.00
No-Till	Acre	16.90	15.00	15.20	13.00 - 18.00
Planting Soybeans, Without Fertilizer:					
Conventional-Till	Acre	12.40	14.00	13.80	10.00 - 16.00
Minimum-Till	Acre	14.50	14.10	14.10	10.00 - 18.00
No-Till	Acre	15.80	15.50	15.70	12.00 - 20.00
Drilling	Acre	13.00	14.60	14.40	10.00 - 18.00

**Custom Rates: Selected Farming Operations,
Pennsylvania, 2003, Continued**

Job	Basis of Charge	Mountain Section (Dollars)	Valley Section (Dollars)	State (Dollars)	Range (Dollars)
----- Planting & Drilling (Continued) -----					
Drilling Small Grain, Without Fertilizer					
Conventional-Till	Acre	11.90	12.40	12.30	8.00 - 15.50
Minimum-Till	Acre	13.20	13.70	13.60	10.00 - 16.00
No-Till	Acre	14.70	15.00	15.00	11.00 - 18.00
Seeding Alfalfa, Clover, Etc.	Acre	13.50	14.50	13.80	10.00 - 19.00
Broadcast Seeding (On Grain Fields)	Acre	7.20	7.00	7.10	2.50 - 11.00
Cleaning Grain Seed:					
With Treatment	Bu.	1.10	1.40	1.25	0.85 - 1.85
Without Treatment	Bu.	0.65	0.90	0.80	0.50 - 1.30
----- Spraying -----					
Ground Equipment:					
Spraying for Weed Control Excl. Material	Acre	8.10	7.60	7.75	6.00 - 10.00
Spraying for Corn Borer	Acre	8.40	7.90	8.00	6.00 - 10.00
Spraying for Spittle Bug or Alfalfa Weevil	Acre	7.75	7.30	7.40	6.00 - 9.00
----- Miscellaneous -----					
Grain Hauling:					
Local	Bu.	0.14	0.13	0.14	0.10 - 0.18
Long Distance	Bu.	0.31	0.26	0.27	0.15 - 0.40
Grain Storage	Bu. Per Month	0.06	0.05	0.05	0.02 - 0.10
Stalk Shredding, P.T.O.	Acre	10.40	9.95	10.10	7.00 - 13.00
Bushhogging	Acre	12.00	13.00	12.70	6.50 - 20.00
Spreading Bulk Fertilizer:					
Dry	Acre	6.35	6.15	6.20	5.00 - 8.00
Liquid	Acre	8.15	7.45	7.55	5.00 - 9.00
Side Dressing	Acre	8.15	7.80	7.90	6.00 - 10.00
Lime	Acre	9.60	8.20	8.80	5.00 - 13.00
Grinding Feed:					
Corn, Oats or Barley	Cwt.	0.70	0.95	0.85	0.50 - 1.00
Corn & Cobs	Cwt.	0.75	0.65	0.70	0.30 - 1.00
Cobs	Cwt.	0.75	0.75	0.75	0.30 - 1.00
Additional Charge for Mixing	Cwt.	0.45	0.40	0.40	0.15 - 0.70
Machine Tiling (No Tile)	Foot	0.65	1.05	0.80	0.50 - 1.00
Back Hoe	Hour	45.20	49.30	47.80	35.00 - 65.00
Sawing Wood, Chain Saw	Hour	14.80	19.60	17.70	10.00 - 25.00
Post Hole Digging	Hole	1.40	1.50	1.50	0.50 - 2.00
Manure Loading, Solid	Hour	37.90	34.40	35.20	25.00 - 48.00
Manure Spreading, Solid	Hour	35.50	37.50	37.10	20.00 - 55.00
Manure Pumping	Hour	23.50	23.90	23.80	10.00 - 50.00
Manure Spreading, Liquid	Hour	52.70	63.20	60.60	40.00 - 90.00
Bulldozing	Hour	57.80	75.50	67.90	45.00 - 87.00
Average Size	HP	100 HP	125 HP	120 HP	68 - 180 HP
Tractor Rental Rates:					
Less than 80 HP	Hour	24.10	18.30	20.30	10.00 - 35.00
80 to 120 HP	Hour	25.30	23.10	23.70	12.00 - 38.00
120 to 160 HP	Hour	28.20	25.50	26.40	15.00 - 40.00
Greater than 160 HP	Hour	33.50	29.90	31.30	20.00 - 43.20