



AEDE-RP-

Ohio Farm Custom Rates 2014
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A large number of Ohio farmers hire machinery operations and other farm related work to be completed by others. This is often due to lack of proper equipment, lack of time or lack of expertise for a particular operation. Many farm business owners do not own equipment for every possible job that they may encounter in the course of operating a farm and may, instead of purchasing the equipment needed, seek out someone with the proper tools necessary to complete the job. This farm work completed by others is often referred to as "custom farm work" or more simply "custom work". A "custom rate" is the amount agreed upon by both parties to be paid by the custom work customer to the custom work provider.

The custom rates reported in this publication are based on a statewide survey of 256 farmers, custom operators, farm managers and landowners conducted in 2014. These rates, except where noted, include the implement and tractor if required, all variable machinery costs such as fuel, oil, lube, twine etc., and the labor for the operation.

Some custom rates published in this article have a wide range. Possible explanations are the type or size of equipment used, size/shape of fields, condition of the crop (for harvesting operations), the value of labor, the mix of labor and equipment used and the different income goals of full-time custom operators versus farmers supplementing their income. Also some custom operations are provided at bargain rates due to family relationships between the parties or due to the fact that custom providers may see an increased probability of eventually securing the custom farmed land in a cash rental or other rental agreement.

Average custom rates reported in this publication are a simple average of all the survey responses. The Range rates represent -/+ one standard deviation around the average¹. The Median represents the middle value in the survey responses. The Minimum and Maximum reported reference the minimum and maximum responses from the survey data for a given operation.

Charges may be added if the custom provider considers a job abnormal such as distance from the operator's base location, difficulty of terrain, amount of product or labor involved with the operation, or other special requirements of the custom work customer.

There is no assurance that the average rates reported in this publication will cover your total costs for performing the custom service or that you will be able to hire a custom operator for the average rate published in this factsheet. Calculate your own costs carefully before determining the rate to charge or pay. It may be helpful to compare these custom rates with machinery costs calculated using an economic engineering approach. The data calculated with this approach are intended to show a representative farming industry cost for specified machines and operations. The following resources are available to help you calculate and consider the total costs of performing a given machinery operation. Users may also consider using the data contained in these publications as a base for future custom rates.

OSUE Decision Aids:

http://aede.osu.edu/research/osu-farm-management/decision-tools

Farm Machinery Cost Estimates available at:

http://faculty.apec.umn.edu/wlazarus/documents/machdata.pdf

Machinery Economics at farmdoc:

http://www.farmdoc.illinois.edu/manage/index.asp

1 Standard deviation is a measure of the variability of the survey responses and one standard deviation both above and below the average includes approximately two-thirds of all survey responses.

Estimating Farm Machinery Costs http://www.extension.iastate.edu/agdm/crops/html/a3-29.html

Before entering into an agreement, discuss all of the details of the specific job with the other party. Fuel prices have an impact on custom rates and rates may fluctuate based on large movements in fuel prices. The approximate price of diesel fuel at the time of this survey was \$3.25-\$3.75 per gallon for off-road (farm) usage.

	Avg	Std	Range		Med	Min	Max
Soil Preparation							
Stalk Chopper / Acre	12.55	3.35	\$9.15	\$15.90	12.00	7.00	20.00
Moldboard Plow / Acre	20.40	5.03	\$15.35	\$25.40	20.00	15.00	34.50
Chisel Plow / Acre	17.10	5.10	\$12.00	\$22.20	16.00	10.00	34.50
Disk Chisel / Acre	19.00	4.50	\$14.55	\$23.50	18.00	12.00	34.50
Disk-Tandem / Acre	13.20	3.69	\$9.50	\$16.85	12.00	8.00	25.00
Disk-Offset / Acre	19.30	4.13	\$15.15	\$23.45	17.50	15.00	25.00
Soil Finishing / Acre	14.85	4.13	\$10.70	\$19.00	14.00	10.00	26.00
Field Cultivator / Acre	13.80	3.92	\$9.85	\$17.70	12.00	9.00	26.00
Land Leveling / Acre	12.30	4.40	\$7.90	\$16.70	10.00	8.00	22.00
Land Leveling / Hour	68.35	25.82	\$42.50	\$94.15	75.00	25.00	100.0
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Sub-soiling / Acre	20.20	4.80	\$15.40	\$25.00	20.00	12.00	30.00
V-Ripping / Acre	24.30	5.76	\$18.55	\$30.10	24.25	16.00	40.00
Strip Tillage / Acre	18.50	3.39	\$15.10	\$21.90	19.00	14.00	24.00
Strip Tillage w/ Fertilizer Injection /	24.75	11.06	\$13.70	\$35.80	22.00	16.00	39.00
Acre							
Fertilizer Application - Ground							
Dry Bulk / Acre	6.15	1.70	\$4.45	\$7.85	6.00	3.00	13.00
Liquid Knife / Acre	9.50	3.43	\$6.05	\$12.90	9.00	3.00	18.00
Liquid Spray / Acre	7.15	2.17	\$5.00	\$9.35	7.00	3.00	15.00
Anhydrous / Acre	12.90	4.10	\$8.80	\$17.00	12.38	6.50	24.00
Lime / Acre	8.05	2.84	\$5.20	\$10.90	8.00	3.50	15.00
Lime / Ton	7.30	3.19	\$4.10	\$10.45	6.50	2.00	18.00
Chemical Control of Weeds or							
Insects							
Spraying - Self Propelled / Acre	7.00	1.79	\$5.20	\$8.80	6.50	4.00	15.00
Spraying - Pull Type / Acre	7.00	2.41	\$4.60	\$9.45	6.38	3.00	15.00
Highboy Spraying / Acre	8.75	2.70	\$6.05	\$11.45	7.50	5.50	15.00
Mechanical Weed Control							
Rotary Hoeing / Acre	7.00	2.03	\$4.85	\$8.90	7.50	4.00	10.00
Aerial Application							
Fertilizer / Acre	11.60	3.14	\$8.45	\$14.75	11.00	7.50	18.00
Seed / Acre	11.30	2.33	\$8.95	\$13.60	10.00	9.00	17.00
Chemicals / Acre	10.50	1.54	\$8.95	\$12.00	11.00	7.00	12.00

Planting Operations	Avg	Std	Range		Med	Min	Max
Conventional Till							
Plant Corn 30" Rows / Acre	17.80	4.82	\$12.95	\$22.60	17.00	10.00	30.00
Plant Corn w/ Starter Fertilizer 30"	19.50	5.27	\$14.20	\$24.75	18.25	10.00	34.00
Rows / Acre							
Plant Soybeans 15" Rows / Acre	18.80	5.31	\$13.50	\$24.10	18.00	10.00	30.00
Plant Soybeans 30" Rows / Acre	18.40	5.78	\$12.60	\$24.15	18.00	12.00	28.00
Drill Soybeans / Acre	16.25	4.08	\$12.20	\$20.35	15.00	10.00	26.00
Drill Small Grains / Acre	16.60	4.67	\$11.95	\$21.25	15.50	10.00	26.00
No-Till							
Plant Corn 30" Rows / Acre	19.45	5.34	\$14.10	\$24.80	18.50	10.00	32.00
Plant Corn w/ Starter Fertilizer 30"	20.90	5.95	\$14.95	\$26.85	20.00	10.00	36.00
Rows / Acre							
Plant Soybeans 15" Rows / Acre	19.05	5.09	\$13.95	\$24.15	18.50	10.00	32.00
Plant Soybeans 30" Rows / Acre	20.40	6.56	\$13.80	\$26.95	19.00	12.00	34.00
Drill Soybeans / Acre	17.30	3.92	\$13.40	\$21.25	17.00	10.00	28.00
Drill Small Grains / Acre	16.75	4.08	\$12.65	\$20.85	16.00	10.00	26.00
Grass/Legume/Pasture Seeding							
Broadcast / Acre	11.15	5.22	\$5.90	\$16.35	9.00	6.00	20.00
Grain drill / Acre	16.80	5.24	\$11.55	\$22.05	16.00	9.50	26.00
Grain Harvest							
Harvest Corn-Combine & Grain	34.65	7.50	\$27.15	\$42.15	33.00	25.00	68.00
Cart / Acre							
Harvest Soybeans-Combine &	32.00	6.07	\$25.90	\$38.05	31.00	23.00	50.00
Grain Cart / Acre							
Harvest Wheat-Combine & Grain	31.80	6.28	\$25.55	\$38.10	30.00	22.00	50.00
Cart / Acre							
Combine Corn / Acre	28.75	5.21	\$23.55	\$34.00	28.00	16.00	45.00
Combine Soybeans / Acre	28.10	5.28	\$22.85	\$33.40	27.50	16.00	45.00
Combine Small Grains / Acre	27.70	5.23	\$22.45	\$32.95	26.50	16.00	45.00
Ear Corn Picker / Acre	29.40	6.07	\$23.35	\$35.50	25.00	25.00	37.00
Grain Cart / Acre	6.20	3.37	\$2.85	\$9.60	5.00	2.00	15.00

	Avg	Std	Range		Med	Min	Max
Grain Storage - On Farm							
Storage / Month / Bushel	\$0.045	\$0.02	\$0.025	\$0.065	\$0.04	\$0.03	\$0.10
Storage / Year / Bushel	\$0.315	\$0.10	\$0.210	\$0.415	\$0.33	\$0.18	\$0.48
Grain Dry	-		-		-		-
Per Point of Moisture Removed /	\$0.055	\$0.03	\$0.025	\$0.085	\$0.05	\$0.02	\$0.12
Bushel							
Grain Haul							
Farm to Market / Bushel	\$0.16	\$0.07	\$0.090	\$0.230	\$0.15	\$0.05	\$0.47
Average Miles - Farm to Market	23.6	17.0	6.6	40.6	20.0	3.0	81.4
Field to Farm / Bushel	\$0.10	\$0.04	\$0.055	\$0.140	\$0.10	\$0.03	\$0.20
Average Miles - Field to Farm	8.7	5.4	3.3	14.1	10.0	1.0	25.0
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Custom Farming - Tillage, Plant, Spra	y/Tending,	Harvest (all or a con	nbination (of those lis	sted)	•
Corn / Acre	\$122.20	\$32.04	\$90.15	\$154.25	\$125.00	\$70.00	\$175.00
Soybeans / Acre	\$103.50	\$22.33	\$81.15	\$125.80	\$100.00	\$65.00	\$140.00
Small Grains / Acre	\$97.30	\$27.07	\$70.20	\$124.35	\$88.00	\$70.00	\$140.00
Corn Silage Harvest							
Upright Silo							
Chop - Corn Silage / Ton	\$5.50	\$0.41	\$5.10	\$5.90	\$5.50	\$5.00	\$6.00
Chop, Haul, and Fill - Corn Silage /	\$7.40	\$0.95	\$6.45	\$8.30	\$7.75	\$6.00	\$8.00
Ton							
Chop, Haul, and Fill - Corn Silage /	\$183.35	\$28.87	\$154.50	\$212.20	\$200.00	\$150.00	\$200.00
Hour							
Bunker Silo							
Chop - Corn Silage / Ton	\$6.25	\$1.09	\$5.15	\$7.35	\$6.00	\$5.00	\$7.50
Chop, Haul, and Fill - Corn Silage /	\$6.90	\$2.68	\$4.25	\$9.60	\$7.13	\$3.50	\$10.00
Ton							
Silage Bag							
Chop - Corn Silage / Ton	\$5.50	\$0.50	\$5.00	\$6.00	\$5.50	\$5.00	\$6.00
Chop, Haul, and Fill - Corn Silage /	\$6.50	\$4.95	\$1.55	\$11.45	\$6.50	\$3.00	\$10.00
Ton							
Haylage Harvest							
Bunker Silo							
Chop - Haylage / Ton	\$6.50	\$0.50	\$6.00	\$7.00	\$6.50	\$6.00	\$7.00
Chop, Haul, and Fill - Haylage / Ton	\$8.50	\$1.32	\$7.20	\$9.80	\$8.00	\$7.50	\$10.00
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Pack Bunker Silo / Hour	\$85.00	\$18.03	\$67.00	\$103.05	\$90.00	\$65.00	\$100.00
Fill Silage Bag / Ton	\$5.65	\$1.89	\$3.75	\$7.55	\$6.50	\$3.50	\$7.00

	Avg	Std	Range		Med	Min	Max
Hay / Straw Harvest							
Mowing / Acre	\$13.15	\$4.55	\$8.60	\$17.70	\$12.75	\$5.00	\$25.00
Mowing/Conditioning / Acre	\$14.20	\$3.69	\$10.50	\$17.90	\$14.00	\$6.00	\$25.00
Raking / Acre	\$6.80	\$3.30	\$3.50	\$10.10	\$5.50	\$3.00	\$15.00
Tedding / Acre	\$6.95	\$3.08	\$3.85	\$10.00	\$6.00	\$3.00	\$12.00
Baling: Small Square Bales							
Bale / Drop in Field / Bale	\$0.65	\$0.31	\$0.35	\$0.95	\$0.55	\$0.25	\$1.25
Bale and Load on Wagon / Bale	\$0.80	\$0.35	\$0.45	\$1.15	\$0.75	\$0.35	\$1.60
Haul From Field and Store / Bale	\$0.40	\$0.17	\$0.25	\$0.60	\$0.40	\$0.25	\$0.60
Bale, Load, Haul and Store / Bale	\$1.50	\$0.79	\$0.75	\$2.30	\$1.38	\$0.50	\$3.00
Baling: Large Round Bales ~1500#							
Baled and Left in Field / Bale	\$10.10	\$3.06	\$7.05	\$13.15	\$9.25	\$7.00	\$15.00
Baled and Net Wrapped and Left in Field /	\$10.90	\$4.01	\$6.90	\$14.90	\$8.75	\$8.00	\$17.00
Bale							
Baling: Large Round Bales ~600-1000#	1						
Baled and Left in Field / Bale	\$8.75	\$2.09	\$6.65	\$10.85	\$8.00	\$6.00	\$15.00
Baled and Net Wrapped and Left in Field /	\$9.50	\$2.60	\$6.90	\$12.10	\$8.75	\$6.25	\$18.00
Bale							
Baled and Hauled from Field / Bale	\$11.65	\$2.50	\$9.15	\$14.10	\$11.75	\$9.00	\$14.00
Baled and Wrapped Wet in Plastic	\$15.90	\$5.63	\$10.25	\$21.50	\$17.25	\$8.00	\$21.00
(Plastic Included) / Bale							
Large Square							
Baled and Left in Field / Bale	\$10.65	\$3.39	\$7.25	\$14.05	\$9.50	\$7.00	\$16.00
Baled and Wrapped Wet in Plastic	\$18.00	\$3.61	\$14.40	\$21.60	\$17.00	\$15.00	\$22.00
(Plastic Included) / Bale							
Complete Hay Harvest - Shares							
% of Crop to Custom Provider	55.3	7.0	48.4	62.3	50.0	50.0	67.0
Manure Application							
Spread Manure / Ton	\$8.00	\$1.58	\$6.40	\$9.60	\$8.00	\$6.00	\$10.00
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Manure Spread by Dragline							
Pump and Spread / per 1000 gallon	\$8.45	\$1.17	\$7.25	\$9.60	\$8.00	\$7.00	\$10.00
Hired Labor							
Machinery Operations / Hour	\$14.00	\$3.15	\$10.85	\$17.15	\$15.00	\$8.00	\$20.00
Milking Cows / Hour	\$11.90	\$3.36	\$8.50	\$15.25	\$11.00	\$10.00	\$20.00
General Farm Labor / Hour	\$11.20	\$2.37	\$8.80	\$13.55	\$10.00	\$7.50	\$19.00
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Drainage and Tile Installation	Avg	Std	Range		Med	Min	Max
Ditching Machine - without							
Materials							
4" Plastic / Foot	\$0.49	\$0.18	\$0.31	\$0.66	\$0.46	\$0.30	\$0.90
6" Plastic / Foot	\$0.51	\$0.23	\$0.28	\$0.74	\$0.48	\$0.25	\$1.00
8" Plastic / Foot	\$0.65	\$0.31	\$0.34	\$0.96	\$0.55	\$0.25	\$1.20
10" Plastic / Foot	\$0.66	\$0.35	\$0.31	\$1.01	\$0.70	\$0.25	\$1.00
Typical Depth - Inches	33.2	5.1	28.1	38.3	33.0	24.0	42.0
Typical Lateral Spacing - Feet	37.8	10.6	27.1	48.4	35.0	30.0	60.0
Drainage Plow - without Materials							
4" Plastic / Foot	\$0.24	\$0.08	\$0.16	\$0.32	\$0.22	\$0.14	\$0.41
5" Plastic / Foot	\$0.33	\$0.06	\$0.28	\$0.39	\$0.30	\$0.30	\$0.40
6" Plastic / Foot	\$0.52	\$0.28	\$0.24	\$0.80	\$0.48	\$0.20	\$1.25
Typical Depth - Inches	33.1	3.0	30.0	36.1	33.0	30.0	39.0
Typical Lateral Spacing - Feet	39.3	8.5	30.8	47.7	40.0	30.0	60.0
Drainage Plow - with Materials							
4" Plastic / Foot	\$0.54	\$0.12	\$0.41	\$0.66	\$0.50	\$0.34	\$0.80
Miscellaneous							
Bush Hogging / Acre	\$17.05	\$11.69	\$5.35	\$28.75	\$13.00	\$8.00	\$62.50
Income Tax Preparation / Hour	\$73.50	\$33.52	\$40.00	\$107.00	\$60.00	\$40.00	\$125.00
Income Tax Preparation / Return	\$364.50	\$205.68	\$158.80	\$570.15	\$350.00	\$40.00	\$950.00
Track Hoe / Cleaning Ditches / Hour	\$99.40	\$28.63	\$70.75	\$128.00	\$100.00	\$45.00	\$150.00
Remove Snow with Loader / Hour	\$69.65	\$28.65	\$41.00	\$98.30	\$70.00	\$25.00	\$125.00
Remove Snow with Blade / Hour	\$56.90	\$26.33	\$30.55	\$83.20	\$60.00	\$15.00	\$100.00
Remove Snow with Blower / Hour	\$83.55	\$17.25	\$66.30	\$100.80	\$85.00	\$60.00	\$100.00
Hauling Livestock / Loaded / Mile	\$2.30	\$0.86	\$1.45	\$3.15	\$2.00	\$1.00	\$3.75
Bulldozing per Foot of Blade / Hour	\$9.40	\$2.19	\$7.20	\$11.60	\$9.69	\$6.25	\$15.00
Soil Testing / Sample	\$18.30	\$10.28	\$8.00	\$28.55	\$17.00	\$7.50	\$32.50
Soil Testing / Acre	\$5.55	\$1.87	\$3.65	\$7.40	\$5.00	\$4.00	\$10.00
Grid Soil Sampling / Acre	\$8.50	\$3.41	\$5.10	\$11.90	\$8.00	\$4.00	\$18.50
Power Washing / Hour	\$32.70	\$16.64	\$16.05	\$49.35	\$40.00	\$10.00	\$50.00

Machinery Rental	Avg	Std	Range		Med	Min	Max
Tractor / \$ Per Horsepower / Hour	\$0.34	\$0.20	\$0.14	\$0.53	\$0.28	\$0.10	\$1.00
Corn Planter: Conventional / Acre	\$12.55	\$5.88	\$6.70	\$18.45	\$12.50	\$6.00	\$25.00
Average Number of Rows	12.0	8.5	3.5	20.5	12.0	6.0	30.0
Corn Planter: No-Till / Acre	\$13.15	\$6.56	\$6.55	\$19.70	\$13.00	\$6.00	\$25.00
Average Number of Rows	12.0	7.9	4.1	19.9	12.0	6.0	30.0
Combine / Seperator Hour	\$174.00	\$58.89	\$115.10	\$232.90	\$155.00	\$100.00	\$250.00
Combine / Acre	\$30.80	\$5.63	\$25.15	\$36.45	\$30.00	\$25.00	\$38.00
Avg Grain Table Header Wth in Ft	28.3	2.6	25.8	30.9	30.0	25.0	30.0
Avg Number of Corn Header Rows	7.7	0.8	6.9	8.5	8.0	6.0	8.0
Grain Drill: No-Till / Acre	\$11.60	\$4.37	\$7.25	\$15.95	\$10.00	\$6.00	\$25.00
Average Width in Feet	17.5	8.0	9.5	25.5	15.0	10.0	40.0
Bobcat or Skidsteer Loader / Day	\$226.40	\$153.66	\$72.70	\$380.05	\$157.50	\$80.00	\$450.00
Dry Bulk Fertilizer Applicator / Acre	\$3.30	\$1.58	\$1.70	\$4.85	\$2.40	\$2.00	\$5.00
Liquid Fertilizer Applicator / Acre	\$5.70	\$3.56	\$2.15	\$9.25	\$4.75	\$2.00	\$12.00
Facility Rental							
Machinery Storage - Square Foot /	\$0.51	\$0.25	\$0.26	\$0.76	\$0.52	\$0.25	\$1.00
Year							

Avg = Average, Std = Standard Deviation, Range = Average -/+ 1 Standard Deviation, Med = Median, Min = Minimum, Max = Maximum