

# Pennsylvania's

## 1998

# Machinery Custom Rates

Custom Rates: Selected Farming Operations, Pennsylvania, 1998

Job	Basic of Charge	Mountain Section	Valley Section	State
----- Harvesting -----				
Corn Picking	Acre	21 80	21 40	21 50
Corn Combining	Acre	26 20	24 80	24 70
Corn Drying (23 Percent)	Bushel	0 26	0 29	0 28
Combining Small Grains	Acre	23 20	23 10	23 10
Combining Soybeans	Acre	26 70	24 60	24 90
Hay Making				
Mowing	Acre	9 90	10 20	10 10
Mowing & Conditioning	Acre	10 90	10 60	10 60
Raking	Acre	6 90	6 90	6 20
Pick up Baling (Twine)	Bale	0 40	0 38	0 37
Cut, Rake, Bale & Store	Bale	1 08	1 03	1 06
Large Round Baler (Avg = 800 Lbs)	Bale	6 30	6 10	6 20
Stacker Wagon (Avg = 1700 Lbs)	Stack	15 70	16 70	16 70
Wrapping Bales	Bale	N/A	N/A	5 00
Silage Making				
Pull Type Chopper & Tractor	Hour	43 40	52 70	49 40
Self Propelled Chopper	Hour	74 00	98 50	98 10
Blower	Hour	8 80	7 50	7 70
1 Man, 2 Wagons, 1 Tractor	Hour	37 80	38 20	38 10
2 Men, 2 Wagons, 2 Tractors	Hour	57 50	57 90	57 80
Field Chop, Haul & Fill Silo	Ton	8 70	8 90	7 50
Bagging Silage	Foot	N/A	N/A	4 40
----- Plowing & Cultivating -----				
Plowing, Moldboard Plow				
Spring, Stubble	Acre	11 00	12 10	11 70
Sod	Acre	12 30	13 00	12 70
Fall Stubble	Acre	11 40	12 30	12 00
Sod	Acre	12 90	12 90	12 90
Plowing, Deep (10 Inches or More)	Acre	14 20	14 00	14 10
Plowing, Chisel	Acre	10 90	11 50	11 40
Plowing Disk	Acre	12 00	11 10	11 30
Disking, Tandem	Acre	10 50	10 30	10 40
With Harrow or Cultipacker	Acre	12 10	11 70	11 90
Harrowing				
Spike Tooth	Acre	9 40	9 10	9 20
Spring Tooth	Acre	9 30	9 00	9 10
Cultivating	Acre	9 60	8 20	8 60
----- Planting & Drilling -----				
Planting Corn With Fertilizer				
Conventional Till	Acre	12 20	12 70	12 60
Reduced Till	Acre	12 90	13 20	13 10
No Till	Acre	14 70	14 40	14 40
Planting Soybeans, Without Fertilizer				
Conventional Till	Acre	10 60	12 60	12 30
Reduced Till	Acre	12 50	13 60	13 40
No-Till	Acre	14 00	14 70	14 60
Drilling Small Grain				
Without Fertilizer	Acre	9 70	11 90	11 60
With Fertilizer	Acre	11 00	12 00	11 60
With Fertilizer & Cloverseed	Acre	11 70	12 00	11 80
Seeding Alfalfa, Clover Etc	Acre	10 00	12 70	12 00
Broadcast Seeding (On Grain Fields)	Acre	7 00	7 40	7 20
Cleaning Grain Seed				
With Treatment	Bushel	0 82	1 20	1 00
Without Treatment	Bushel	0 56	0 61	0 59
----- Spraying -----				
Ground Equipment				
Spraying for Weed Control				
Excluding Material	Acre	7 80	7 00	7 20
Spraying for Corn Borer				
Including Cost of Material	Acre	12 50	12 00	12 20
Excluding Cost of Material	Acre	8 00	6 80	7 20
Spraying for Spittle Bug or Alfalfa Weevil				
Including Cost of Material	Acre	13 10	11 60	12 10
Excluding Cost of Material	Acre	7 70	6 60	6 90
Aerial Application (Excluding Material)				
Fixed Wing	Acre	N/A	N/A	8 10
Helicopter	Acre	N/A	N/A	9 30
----- Miscellaneous -----				
Grain Hauling				
Local	Bushel	0 13	0 13	0 13
Long Distance	Bushel	0 32	0 24	0 28
Grain Storage	Bushel Per Month	0 04	0 04	0 04
Straw Shredding, P T O	Acre	9 40	8 90	9 00
Spreading Bulk Fertilizer				
Dry	Acre	5 90	6 40	5 60
Liquid	Acre	7 60	6 30	6 60
Side Dressing	Acre	7 60	6 90	7 10
Grinding Feed				
Corn, Oats or Barley	Hundredweight	0 60	0 54	0 66
Corn & Cobs	Hundredweight	0 62	0 61	0 62
Cobs	Hundredweight	0 63	0 58	0 60
Additional Charge for Mixing	Hundredweight	0 28	0 26	0 27
Machine Tiling (No Tile)				
Back Hoe	Hour	38 90	43 20	41 20
Sawing Wood Chain Saw	Hour	16 20	15 10	16 60
Post Hole Digging	Hole	1 90	1 30	1 50
Manure Loading, Solid	Hour	27 00	28 60	28 10
Manure Spreading, Solid	Hour	25 00	26 10	26 80
Manure Pumping	Hour	NA	NA	21 90
Manure Spreading, Liquid	Hour	NA	NA	45 40
Bulldozing (Avg. H.P. 90)	Hour	61 60	58 20	54 80

N/A - Insufficient Data

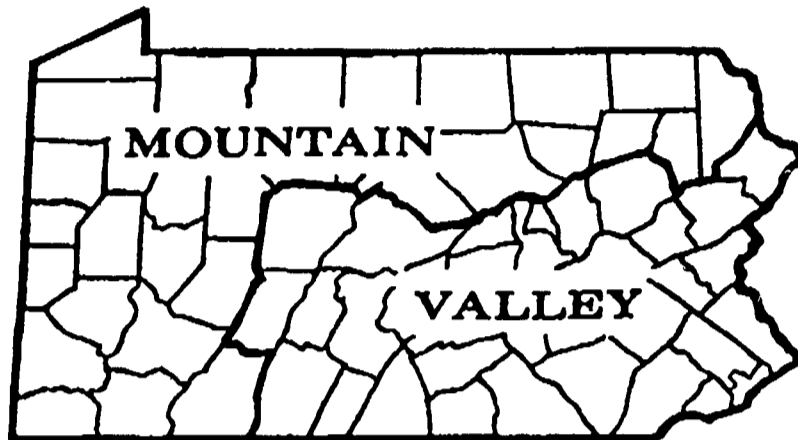
LIANA C. CUFFMAN  
Agricultural Statistician  
PA Ag Statistics Service  
HARRISBURG (Dauphin Co.)

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 separ-

tely 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 72 rates reported with year-to-year comparisons, 36 increased, 26 decreased, and 10 are the same as last year. The overall average is up to 2 percent from the previous year. This percentage increase was computed by adding the rates for all jobs, regardless of basis of charge, and dividing by last year's comparable total.



## Morrow Named Penn State Alumni Fellow

UNIVERSITY PARK (Centre Co.) — David A. Morrow of State College, professor emeritus in Michigan State University's College of Veterinary Medicine, has been named an Alumni Fellow by the Penn State Alumni Association. Morrow is now a consulting veterinarian and owner-manager of Arch Spring Farm, Tyrone.

"Nationally, Dr. Morrow has been lauded for his outstanding research and contributions to the dairy industry," said Robert D. Steele, dean of the College of Agriculture Sciences, in nominating Morrow for the award. "He exemplifies the qualities we attempt to create in our graduates — a commitment to goals, a vision for himself and his profession, an ability to communicate effectively, and leadership skills that motivate him to initiate new activities and inspire others to new ideas."

Morrow graduated with high honors from Penn State in 1956, earning a B.S. in dairy science. He received his D.V.M. in 1960 and his Ph.D. in 1967, both from Cornell University.

A former faculty member at Cornell and Michigan State Universities, Morrow has published more than 200 professional and technical articles and spoken at more than 200 state, regional, national and international agricultural and veterinary meetings. He is past national president of the veterinary medicine honor society Phi Zeta; charter diplomat of the American College of Theriogenologists; and a member of the Society of Theriogenology, the American Veterinary Medical Association and the American Association of Bovine Practitioners.

Morrow is active in many facets of Penn State. He is a member of the university's Board of Trustees, elected by agricultural societies. In addition, he is past president of the Penn State Alumni Association and a member of its executive board, past president of the College of Agricultural Sciences Alumni Society, a judge and dedi-



David A. Morrow

cate of the Dairymen's Club and Dairy Exposition, an honorary Lion Ambassador, a board member of the Penn State Alumni Chapter of Centre County, a Distinguished Alumnus of the dairy and animal science department, and president of the Greek Alumni Interest Group.

Morrow has received several other honors and awards, including the Borden Award from the American Veterinary Medical Association in 1980, the American Feed Manufacturers' Veterinary Medical Research Award in 1982, the Norden Distinguished Teaching Award from Michigan State University in 1975, and the World Dairy Expo's Industry Person of the Year Award in 1997. He also was named to the National Alpha Zeta Centennial Honor Roll in 1997.

In connection with the Alumni Fellow honor, Morrow will visit campus this fall to interact with faculty, staff and students.

The Alumni Fellow award, the highest award presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.