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1982  
**CUSTOM RATES**  
**FOR**  
**FARM OPERATIONS**  
**IN**  
**NEW YORK STATE**

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1982  
CUSTOM RATES  
For Farm Operations  
in New York State

Acknowledgements

Appreciation is expressed to each farmer, contractor, and equipment dealer who responded to the questionnaires on which this survey was based. Their efforts, interest, and cooperation were essential in the process of gathering the data summarized in this publication for the benefit of the agricultural industry in New York State

Darwin P. Snyder

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## CUSTOM RATES FOR FARM OPERATIONS

### Introduction -

Custom rate surveys have been conducted in recent years in New York for 1970 and 1976. This current study was designed to provide up-to-date information on an important topic of interest to a large cross-section of New York farm operators.

Custom rates have continued to increase as labor and equipment costs have increased over the years. Information from the New York Farm Cost Account project illustrates the reasons behind these increases. From 1976 to 1981, these records show that labor costs to produce an acre of corn silage have increased 38 percent and tractor and equipment costs have increased 92 percent. Equipment costs per cow on the same 11 dairy farms increased by 68 percent from 1976 to 1981. Regular farm workers on Cost Account farms cost about 60 percent more in 1981 than they did in 1976. Also, a sample of prices for major pieces of farm equipment from the New York Crop Reporting Service data indicates an increase of about 74 percent during that period.

A few examples of data from earlier studies will illustrate how custom rates have changed. Moldboard plowing that cost \$7 per acre in 1970 increased to \$10 per acre in 1976 and \$14 per acre in 1982. Custom combining corn cost \$15 per acre in 1970, \$20 per acre in 1976 and \$26 per acre in 1982. In 1970, baling hay cost \$0.15 per bale; the 1976 study showed the same cost but in 1982 the cost increased to \$0.28 per bale.

### Procedure -

The study results do not deal with calculated or estimated costs of labor and equipment to do various farm operations. Rather, the results reflect prices actually paid by farmers who hired the work done or prices charged by custom operators.

A survey form was prepared and distributed to extension agents throughout the state. They, in turn, distributed the form to their clientele and solicited their response. Survey forms were received, tabulated and summarized by the author and his staff. Responses to the basic farm custom rate survey totalled 856 and provide the main body of data for this report. These results represent actual custom rates paid in 1982 by users in the field.

Two other related survey forms were used. These were mailed to members of the Land Improvement Contractors of America - New York Chapter and to members of the New York Farm Equipment Dealers Association. The 47 LICA member respondents provided much of the data on custom rates for bulldozing, backhoeing, tile installation, etc. Rental rates were obtained primarily from 54 NYFEDA members for various types of equipment available for rent.

Survey responses were much appreciated. Each respondent received a copy of the completed publication from the author.

## Survey Results -

Custom rates charged and paid for most farm operations varied considerably. Rates were most commonly based on units of physical output - acres, bales, tons, etc. In those cases, size of equipment and efficiency were more important to the custom operator than to the buyer of the service. On this basis, rates can be expected to vary because of field conditions, field size and distance. Competition in the area and importance of custom work to both parties are also factors that affect rates.

In some cases and for some jobs, custom rates were based on time. When hourly rates are charged, size of equipment and operator performance are important considerations to the customer.

Most custom rates included fuel costs. When fuel was a significant factor, the data are presented for the custom operation with and without fuel.

Because of the number of responses received from counties throughout the State, considerable data is available on a county basis. The data are presented for each operation by county when five or more reports were received.

The format for the survey results shows the number of observations for each operation to indicate the amount of information on which the rates are based. The range of charges reported is given as well as the average.

A single "typical" rate was difficult to identify. Some measure of the most common rates are provided by data for the range and average of the middle third of the number of reports for each operation. Rates for clusters or groups of reports within a narrow range of rates are also shown. In many cases, reports indicated the number of units or volume of work performed. Rates charged for a known volume will help the reader determine the significance of the survey results.

The survey data are presented in the most meaningful way possible within the limits of the descriptions of equipment provided by the respondents. For several items, individual reports are listed separately because numbers were few and descriptions varied. Every reasonable effort was used to provide indications of the variation, range and magnitude of the rates paid and/or charged for these custom operations.

Throughout the report, custom rates include charges for the operator of the equipment as well as for the equipment itself.

The last section in the report summarizes the rental rates of various items of farm equipment reported by members of the New York Farm Equipment Dealers Association. These data also include some equipment rental rates reported by farmer respondents.

Additional copies of this report are available from local extension agents or directly from the author.

Table 1. Summary of Common Custom Rates  
Custom Rates, New York, 1982

Custom job	Rate per acre*	
	Range	Average
	\$	\$
Plowing - moldboard	12-15	14
chisel	9-12	10
Disc	6-8	7
Harrow	5-6	5
Spread lime - w/o material	4.25-5.00	4.67
w/o material	5.00-8.00	6.41 per ton
w/material	23.00-27.50	24.75 per ton
Spread fertilizer - bulk dry	4.25-5.00	4.54
liquid	4.25-4.50	4.47
side dressing	5.50-6.50	5.98
anhydrous amononia	5.00-6.00	5.46
Plant corn - conventional	7-10	9
no-till	15-24	19
Drill small grain - conventional	6-8	7
no-till	18-35	21
Seed hay crops - conventional	6-8	7
Pesticide application - ground	4.25-5.00	4.65
air	5.00-6.00	5.40
Mow, condition hay	7-10	8
Mow, bale, store hay	0.50-0.70	0.57 per bale
Bale hay - conventional	0.25-0.30	0.28 per bale
- large round	4.50-5.00	4.94 per bale
Combine - small grain w/fuel	18-21	20
w/o fuel	18-20	19
- shelled corn w/fuel	25-28	26
w/o fuel	24-25	25
- HM ear corn	25-27	25
Pick corn	18-20	20
Silage harvest	30-40	34
	40-50	47 per hour
Dry corn	2.9-3.3¢	3.1¢ per point
Bulldozing - small	30-35	32 per hour
medium	40-48	42 per hour
large	50-60	57 per hour
Backhoeing - small	27-30	28 per hour
medium	34-35	35 per hour
large	35-40	37 per hour
Trenching	0.38-0.45	0.41 per foot

\* Rate per acre unless otherwise specified.

Range and average rates are for middle third of all reports for each operation except no-till drilling of small grains.





Table 2.

Tillage Operations  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Plow, moldboard	98	8-22	14	32	12-15	14
Clusters:	36	10-12	11			
	22	@	15			
	18	18-20	19			
Known acres:	42	9-20	14	Averaged 52 acres/report		
Plow, chisel	23	5-18	11	9	9-12	10
Cluster:	7	@	10			
Known acres:	6	10-18	11	Averaged 123 acres/report		
Disc, tandem	30	4-12	7	10	6-8	7
Clusters:	9	5-6	5			
	13	8-10	9			
Known acres:	14	5-10	7	Averaged 77 acres/report		
Harrow	21	4-12	6	7	5-6	5
Clusters:	7	@	4			
	9	5-8	6			
Known acres:	6	4-8	4	Averaged 132 acres/report		
Cultivating	12	3-13	6	N/A		
Clusters:	2	@	4			
	2	@	6			
	2	@	7			

Table 3.

Spreading Lime  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
	\$	\$		\$	\$	
- Rate in dollars per acre -						
<u>Without material</u>	37	1.00-12.00	5.18	13	4.25-5.00	4.67
Clusters:	8	@	4.00			
	6	@	5.00			
Known acres:	13	4.00-10.00	4.63	Averaged 80 acres/report		
- Rate in dollars per ton -						
<u>Without material</u>	33	2.19-12.00	6.41	11	5.00-8.00	6.41
Clusters:	9	4.50-5.00	4.78			
	6	@	8.00			
Known acres:	12	2.85-10.00	7.38	Averaged 369 acres/report		
<u>Including lime</u>	63	18.00-36.00	25.51	21	23.00-27.50	24.75
Clusters:	5	@	22.00			
	6	@	23.00			
	5	@	25.00			
Known tonnage:	37	18.00-32.00	24.63	Averaged 58 tons/report		

Table 4.

Spreading Fertilizer  
(excluding materials)  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	No.	All reports		No.	Middle third	
		Range	Average		Range	Average
		\$	\$		\$	\$
Bulk, dry	90	1.00-8.00	4.60	30	4.25-5.00	4.54
Clusters:	19	@	3.00			
	14	@	4.00			
	20	@	4.50			
	11	@	5.00			
	11	5.25-5.50	5.36			
Known acres:	37	3.00-7.68	4.16	Averaged 143 acres/report		
Liquid	76	3.00-7.00	4.57	26	4.25-4.50	4.47
Clusters:	12	@	4.00			
	24	@	4.50			
	10	@	5.00			
	7	@	6.00			
Known acres:	36	3.00-6.50	4.55	Averaged 610 acres/report		
Sidedressing	24	3.50-11.25	6.22	8	5.50-6.50	5.98
Clusters:	5	@	6.00			
	4	7.50-8.00	7.75			
Known acres:	9	3.50-7.00	5.50	Averaged 155 acres/report		
Anhydrous ammonia	20	4.00-11.25	6.14	6	5.00-6.00	5.46
Clusters:	6	4.00-5.00	4.75			
	5	7.00-8.00	7.60			
Known acres:	7	4.25-8.00	4.96	Averaged 546 acres/report		

Table 5.

Planting Operations  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Plant corn -						
Conventional	103	3-22	9	35	7-10	9
Clusters:	15	@	7			
	11	@	8			
	27	@	10			
	10	@	12			
Known acres:	46	4-22	10	Averaged 70 acres/report		
No-till	28	9-40	20	10	15-24	19
Clusters:	5	@	15			
	5	@	20			
	4	@	25			
Known acres:	17	9-40	21	Averaged 53 acres/report		
Drill Small Grain -						
Conventional	52	4-15	8	18	6-8	7
Clusters:	6	@	5			
	7	@	6			
	7	@	7			
Known acres:	22	4-15	6	Averaged 44 acres/report		
No-till	12	18-35	21			
Cluster:	8	@	20			
Known acres:	6	18-35	20	Averaged 37 acres/report		
Seed Hay Crops -						
Conventional	31	4-12	7	11	6-8	7
Clusters:	9	4-5	4			
	7	7-8	8			
	7	@	10			
Known acres:	13	4-10	7	Averaged 63 acres/report		

Table 6.

Pesticide Application  
(excluding materials)  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
	\$	\$		\$	\$	
Ground application	199	2.50-15.00	5.03	67	4.25-5.00	4.65
Clusters:	52	3.50-4.00	3.86			
	44	4.25-4.50	4.42			
	26	@	5.00			
	23	@	6.00			
Known acres:	65	2.50-15.00	4.54	Averaged 358 acres/report		
Air application	45	3.75-8.00	5.47	15	5.00-6.00	5.40
Clusters:	12	@	5.00			
	12	@	6.00			
Known acres:	21	3.75-8.00	4.95	Averaged 560 acres/report		

Table 7.

Hay Making  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Mow, condition	46	5.00-17.00	8.42	16	7.00-10.00	8.06
Clusters:	5	@	5.00			
	6	@	6.00			
	5	@	7.00			
	6	@	8.00			
	11	@	10.00			
Known acres:	18	6.00-12.00	7.96	Averaged 42 acres/report		
Rake	15	2.00-10.00	4.35	5	3.00-4.50	3.94
Clusters:	3	@	3.00			
	3	@	6.00			

Table 8.

Hay Making  
Custom Rates, New York, 1982

Job	Rate in dollars per bale					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Mow, bale, haul and store	77	0.25-1.75	0.66	25	0.50-0.70	0.57
Clusters:	8	@	0.40			
	18	@	0.50			
	6	@	0.55			
	5	@	0.75			
	9	@	1.00			
Known quantity:	31	0.25-1.50	0.68	Averaged 2,348 bales/rep.		
Bale only - regular	56	0.09-0.65	0.30	18	0.25-0.30	0.28
Clusters:	5	@	0.20			
	15	@	0.25			
	11	@	0.30			
	5	@	0.35			
	5	@	0.40			
Known quantity:	12	0.09-0.48	0.21	Averaged 1,707 bales/rep.		
Bale - large round	41	2.00-8.00	5.16	13	4.50-5.00	4.94
Clusters:	7	@	4.00			
	11	@	5.00			
	5	@	6.00			
Known quantity:	22	3.50-8.00	4.94	Averaged 181 bales/report		



Table 9.

Grain Harvesting  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Combining -						
<u>Small grains with fuel</u>	206	10-35	20	68	18-21	20
Clusters:	36	15-17	16			
	28	@	18			
	75	20-22	20			
	26	@	25			
Known acres:	109	10-30	21	Averaged 40 acres/report		
<u>Small grains without fuel</u>	73	10-28	19	25	18-20	19
Clusters:	9	@	15			
	15	@	18			
	27	@	20			
Known acres:	47	10-28	19	Averaged 42 acres/report		
Corn picking	69	12-35	21	23	18-20	20
Clusters:	9	@	15			
	9	@	18			
	21	@	20			
	11	@	25			
Known acres:	30	12-30	21	Averaged 27 acres/report		
High moisture ground ear corn	11	18-35	27	N/A		
Clusters:	2	@	25			
	3	@	30			

Table 10.

Grain Harvesting  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Combining -						
<u>Shelled corn with fuel</u>	134	10-40	26	44	25-28	26
Clusters:	12	@	20			
	52	@	25			
	10	@	28			
	31	@	30			
Known acres:	51	17-35	27	Averaged 127 acres/report		
<u>Shelled corn without fuel</u>	56	14-40	24	18	24-25	25
Clusters:	6	@	20			
	5	@	22			
	21	@	25			
	6	@	30			
Known acres:	27	17-30	25	Averaged 65 acres/report		
HM ear corn	33	16-40	26	11	25-27	25
Clusters:	5	@	22			
	8	@	25			
	5	@	30			
Known acres:	10	18-30	24	Averaged 64 acres/report		

Table 11.

Hay Crop and Corn Silage Harvesting  
Field Chopping and Silo Filling  
Custom Rates, New York, 1982

Job	Rate in dollars per acre					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
Silage Harvesting	35	15-84	36	11	30-40	34
Clusters:	4	@	30			
	5	@	35			
	5	@	45			

Units* furnished	Total reports	Rate in dollars per acre						
		\$15 to 24	\$25 to 34	\$35 to 44	\$45 to 54	\$55 to 64	\$65 to 74	\$75 to 84
	No.	- number of reports -						
12	4	1	3					
13	1	1						
14	6	2		2	1	1		
15	2	1			1			
16	1		1					
17	1		1					
18	1				1			
19	3	1	1	1				
20	1		1					
22	4	1		1	2			
23	3		2		1			
25	2			1				1
27	1			1				
28	2			2				
29	1				1			
32	1					1		
36	1						1	

\*Unit values: 12 units = chopper, power unit and operator  
4 units = one additional worker, tractor or truck  
1 unit = one blower or wagon

Table 12.

Hay Crop and Corn Silage Harvesting  
Field Chopping and Silo Filling  
Custom Rates, New York, 1982

Job	Rate in dollars per hour					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
Silage Harvesting	41	15-90	48	13	40-50	47
Clusters:	5	@	40			
	8	@	50			

Units* furnished	Total reports	Rate in dollars per hour							
		\$15 to 24	\$25 to 34	\$35 to 44	\$45 to 54	\$55 to 64	\$65 to 74	\$75 to 84	\$85 to 94

	No.	- number of reports -							
		\$15 to 24	\$25 to 34	\$35 to 44	\$45 to 54	\$55 to 64	\$65 to 74	\$75 to 84	\$85 to 94
12	3			1	2				
13	5		1	1	1		2		
14	3		1					2	
15	2		1		1				
17	1	1							
18	1					1			
19	3	1	2						
20	1							1	
21	2				1	1			
22	3			2	1				
23	8	2		2	2		1		1
24	1		1						
26	2				2				
27	1					1			
28	1				1				
33	3			1				2	
36	1				1				

\*Unit values: 12 units = chopper, power unit and operator  
4 units = one additional worker, tractor or truck  
1 unit = one blower or wagon

Table 13.

Trucking  
(Six and ten wheel trucks)  
Custom Rates, New York, 1982

Distance Rate basis	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
<u>Under 20 miles</u>						
Per mile	16	0.35-2.00	1.08	6	@	1.00
Cluster:	10	@	1.00			
Per ton	54	2-20	6	18	4-6	5
Clusters:	6	@	2			
	9	@	4			
	7	@	5			
	5	@	6			
	7	@	8			
Per hour	17	7-35	22	6	20-25	21
Cluster:	4	@	20			
Per ton mile	32	0.20-1.08	0.47	10	0.37-0.47	0.41
Clusters:	3	@	0.25			
	4	@	0.40			
<u>20 to 100 miles</u>						
Per mile	12	0.67-1.50	0.94			
Cluster:	4	@	1.00			
Per ton	19	2-15	8	7	9-10	10
Clusters:	3	@	6			
	5	@	10			
Per hour	9	15-35	24			
Per ton mile	14	0.11-0.56	0.23			

Table 14.

Trucking  
(Tractor-Trailers)  
Custom Rates, New York, 1982

Distance Rate basis	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
<u>20 to 100 miles</u>						
Per mile	6	1.20-2.00	1.46			
Per ton	20	4-15	8	6	5-10	8
Clusters:	4	@	4			
	4	@	5			
Per ton mile	21	0.05-0.48	0.19	7	0.12-0.20	0.17
<u>Over 100 miles</u>						
Per ton	8	9-19	13			
Per ton mile	7	0.04-0.16	0.10			

Table 15.

Tractor and Driver Only  
Custom Rates, New York, 1982

Tractor size	PTO Hp range	All reports		
		No.	Range	Average
- dollars per hour -				
Class 3	35-49 hp	7	7-26	13
Class 4	50-64 hp	8	6-26	17
Class 5	65-89 hp	6	15-26	22
Class 6	90-114 hp	11	12-28	19

Table 16.

Drying Corn  
Custom Rates, New York, 1982

Job	Rate in cents per point of moisture removed					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		¢	¢		¢	¢
Drying corn	42	1.1-5.0	3.1	14	2.9-3.3	3.1
Clusters:	10	2.5-2.8	2.7			
	8	@	3.0			
	12	3.2-3.5	3.4			
	4	@	4.0			

Table 17.

Fruit and Vegetable Harvesting  
Custom Rates, New York, 1982

Operation	Total reports	Rate		Rate Basis
		Range	Average	
Grapes -				
excluding hauling	12	\$27-44	\$35	per ton
including hauling	7	\$33-54	\$37	per ton
Cherries	6	5.5-7.0¢	6.2¢	per pound
Sweet corn, processing	5	\$4.00-7.00	\$5.70	per ton
Snap beans, processing	2	\$35-38	--	per ton

Table 18.

Hourly Rates for Tractor Work  
Custom Rates, New York, 1982

Job	Tractor PTO-Hp	Total reports	Rates in dollars per hour
		No.	\$
<u>Tillage operations</u>			
Plow, moldboard	20-34	3	6, 20, 20
	35-49	4	10, 13, 20, 25
	50-64	4	15, 20, 25, 50
	65-89	2	15, 40
	90-114	4	20, 20, 20, 25
	115-134	5	15, 15, 15, 15, 15, 50
	over 134	2	42, 55
True 4WD	3	25, 72, 90	
Plow, chisel	90-114	1	30
	over 134	2	20, 45
Disc, tandem	35-49	4	10, 18, 18, 25
	65-89	1	40
	90-114	6	15, 15, 25, 25, 30, 34
	True 4WD	2	42, 72
Rotovate	20-34	1	20
	65-89	1	30
Harrow	20-34	1	20
	90-114	1	34
<u>Planting &amp; growing operations</u>			
Plant corn - conv.	65-89	4	20, 20, 25, 25
Drill grain - conv.	65-89	3	25, 35, 40
Seed hay crops	35-49	1	18
Spray - row crops	35-49	3	12, 20, 25
	65-89	1	10



Table 19.

Hourly Rates for Tractor Work  
Custom Rates, New York, 1982

Job	Tractor PTO-Hp	Total reports	Rates in dollars per hour
		No.	\$
<u>Harvesting operations</u>			
Mow & condition hay	20-34	2	15, 18
	35-49	2	15, 15
	50-64	2	25, 30
	65-89	4	15, 20, 30, 30
	90-114	4	25, 28, 30, 50
	115-134	1	22
Mow only	35-49	1	10
	50-64	1	25
	65-89	1	15
Pick corn	50-64	2	22, 25
	65-89	1	35
	90-114	1	40
<u>Miscellaneous operations</u>			
Dig post holes	50-64	1	25
Back blade	20-34	1	15
Spread manure	65-89	2	20, 35
	115-134	1	50
Bucket & loader	35-49	2	15, 18
	50-64	2	20, 22
	65-89	1	25
	90-114	1	25
	115-134	1	25
Rotary mower	20-34	1	30
	50-64	8	6, 18, 20, 20, 22, 25, 25, 30
	65-89	6	15, 20, 20, 30, 30, 35
	over 134	1	50

Table 20.

Bulldozing  
Custom Rates, New York, 1982

Machine size	Rate in dollars per hour					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
<b>Small</b>						
Under 75 hp	69	20-65	33	23	30-35	32
Clusters:	11	@	25			
	15	@	30			
	22	@	35			
<b>Medium</b>						
75-120 hp	62	25-75	44	20	40-48	42
Clusters:	12	@	35			
	15	@	40			
	10	@	50			
<b>Large</b>						
Over 120 hp	83	28-100	58	27	50-60	57
Clusters:	12	@	50			
	9	@	55			
	16	@	60			

Table 21.

Backhoeing  
Custom Rates, New York, 1982

Machine size	Rate in dollars per hour					
	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Small						
50 hp and under	19	16-35	27	7	27-30	28
Clusters:	4	@	25			
	6	@	35			
Medium						
51 to 70 hp	31	25-40	34	11	34-35	35
Clusters:	6	@	30			
	15	@	35			
Large						
Over 70 hp	17	25-60	39	5	35-40	37
Cluster:	5	@	35			

Table 22.

Field Tile Installation  
Custom Rates, New York, 1982

Job	All reports			Middle third		
	No.	Range	Average	No.	Range	Average
		\$	\$		\$	\$
Trenching only - excluding tile						
Cost per foot	30	0.22-0.75	0.42	11	0.38-0.45	0.41
Clusters:	5	@	0.38			
	4	@	0.40			
	5	@	0.45			

Table 23.

Self Propelled Trenchers  
LICA Custom Rates, New York, 1982

Report No.	Type	Rate charged per foot
		\$
1	Wheel	0.38
2	Wheel	0.38
3	Wheel	0.40
4	Wheel	0.45*
5	Wheel	0.48
6	Chain	0.50*
7	Wheel	0.50
8	Chain	0.50
9	Chain	0.53*
Average		0.46

\*Laser equipped.

Table 24.

Loaders  
LICA Custom Rates, New York, 1982

Report No.	Equipment size		Rate charged
	Hp	Volume yd	
1	30	5/8	20 per hour
2	62	1 1/8	35 per hour
3	100	2 1/2	55 per hour
4	120	2	55 per hour
5	130	3	50 per hour
6	170		60 per hour
7	195	2 3/4	63 per hour
8		4 1/2	87 per hour
9		3	400 per day
10		5	500 per day
11		5	500 per day

Table 25.

Excavators  
LICA Custom Rates, New York, 1982

Report No.	Equipment size		Rate charged per hour	Cost per Hp hour
	Hp	Bucket yd		
1	72		40	0.56
2	75	3/4	50	0.67
3	85		65	0.76
4	88	3/4	45	0.51
5	88	3/4	55	0.63
6	108	1	55	0.51
7	120		50	0.42
8	120		55	0.46
9	131	3/4	55	0.42
10	140		55	1.07
11	140		100	0.71
12	160		70	0.44
13	180	3	45	0.25
Average	116		57	0.49*

\*Weighted average: average rate ÷ average Hp

Table 26.

Dump Trucks  
LICA Custom Rates, New York, 1982

Report No.	Description	Rate charged per	
		Hour	Day
		\$	\$
1	237 hp	18	
2	Single axle	23	
3	Single axle	24.50	
4	Single axle, 8 yd	25	
5	6 yd	25	
6	6 yd	25	
7	7 yd	30	200
8	445 hp	32	
9	10 wheeler	38	
10	5 yd		100

Table 27.

Miscellaneous Construction Equipment  
LICA Custom Rates, New York, 1982

Item		
Report No.	Description	Rate charged per hour
		\$
Pans - including power		
1	8 yard	57
2	8 yard	70
3	288 hp	70
Graders		
1	—	50
2	75 hp	50
3	90 hp	40
Tractor w/Low Boy		
1	9 ton	35
2	25 ton	40
3	35 ton	45





Table 28.

Moldboard Plowing  
Custom Rates  
by County, New York, 1982

County	All reports		Rate per acre						
	No.	Avg. rate per acre	Under \$12-	\$12- 13	\$14- 15	\$16- 17	\$18- 19	\$20- 21	Over \$21
	\$		- number of reports -						
Broome	6	12.83	3	1	1			1	
Chenango	7	10.50	4	1	1		1		
Cortland	5	14.20		1	4				
Livingston	6	18.17			1		3	2	
Ontario	5	17.20		2				2	1
Otsego	5	14.40	1	1	1	1	1		
Steuben	5	13.00	2		3				
Tompkins	6	14.25		2	4				
Wyoming	7	16.43	1		1	1	3	1	

Table 29.

Spreading Lime  
(including materials)  
Custom Rates  
by County, New York, 1982

County	All reports		Rate per acre						
	No.	Avg. rate per acre	Under \$22	\$22	\$23	\$24	\$25	\$26	\$27
		\$	- number of reports -						
Erie	5	23.80		2	1		1		1
Wyoming	7	22.88	1	1	2	2	1		

Table 30.

Spreading Fertilizer  
(excluding materials)  
Custom Rates  
by County, New York, 1982

County	All reports		Rate per acre						
	No.	Avg. rate per acre	\$3 & under	>\$3- 4	>\$4- 5	>\$5- 6	>\$6- 7	>\$7- 8	Over \$8
		\$	- number of reports -						
Bulk dry fertilizer:									
Cortland	7	5.18			2	4	1		
Livingston	7	4.21		2	5				
Ontario	7	4.32	1		6				
Tioga	7	4.39	1	3	1	2			
Tompkins	5	4.40	1	1	2	1			
Wayne	6	4.33	1	1	3	1			
Wyoming	7	4.29	1	1	5				
Liquid fertilizer:									
Livingston	6	4.29		2	4				
Ontario	5	3.95	1	2	2				
Schuyler	6	4.50		1	5				
Steuben	5	4.05	1	1	3				
Wyoming	16	4.30	1	4	11				

Table 31. Planting Operations  
Custom Rates  
by County, New York, 1982

Operation County	All reports		Rate per acre						
	No.	Avg. rate per acre	Under \$7	\$7- 9	\$10- 12	\$13- 15	\$16- 18	\$19- 21	Over \$21
		\$	- number of reports -						
Plant corn - conventional									
Cattaraugus	9	8.51	3	1	5				
Chenango	6	9.17		2	4				
Erie	5	12.00	1	1		2			1
Tompkins	6	9.17		4	2				
Wayne	6	6.17	4	2					
Wyoming	12	9.67	1	2	9				
Plant corn - No till									
Ontario	6	19.50			1		1	2	2
St. Lawrence	5	29.70						1	4
Drill small grains									
Cattaraugus	6	7.23	3	2	1				
Wyoming	6	5.29	4	1	1				
Seeding - Hay crop									
Wyoming	6	5.67	5	1					

Table 32.

Pesticide Application  
(excluding materials)  
Custom Rates  
by County, New York, 1982

County	All reports		Rate per acre						
	No.	Avg. rate per acre	\$3 & under	>\$3-- 4	>\$4-- 5	>\$5-- 6	>\$6-- 7	>\$7-- 8	Over \$8
		\$	- number of reports -						
Ground application:									
Allegany	5	5.30			3	1	1		
Cattaraugus	10	4.85		2	4	4			
Chenango	5	6.00			2	2		1	
Cortland	11	5.82			2	7	2		
Erie	7	4.36		4	3				
Herkimer	5	6.55		1		1	1	1	1
Jefferson	7	5.61		1	1	4	1		
Livingston	17	5.31		4	10	1			2
Ontario	18	4.51		3	15				
Orleans	5	3.80		4	1				
Otsego	6	6.75			2		1	3	
Steuben	7	3.84	1	5	1				
Wyoming	29	4.27	1	12	14	2			
Air application:									
Orleans	5	5.75			2		3		
Wayne	7	5.36			2	5			
Wyoming	5	5.29			3	2			

Table 33.

Hay Making  
Custom Rates  
by County, New York, 1982

Operation	All reports		Rate in dollars per bale					
	County	No.	Avg. rate per bale	Number of reports				
Mow, bale, haul & store			\$	Under \$0.41	\$0.41- 0.60	\$0.61- 0.80	\$0.81- 1.00	Over \$1.00
Cattaraugus	8	0.57		2	3	2	1	
Erie	7	0.65		2	1	1	1	1
Rensselaer	7	0.62		2	2	1	2	
Bale only - regular				Under \$0.21	\$0.21- 0.30	\$0.31- 0.40	\$0.41- 0.50	Over \$0.50
Cattaraugus	5	0.29		1	3	1		
Ontario	6	0.31			3	3		
Rensselaer	6	0.34		2	2		1	1
Wayne	5	0.28		1	3	1		
Bale - large round				\$3.00- 3.99	\$4.00- 4.99	\$5.00- 5.99	\$6.00- 6.99	\$7.00 & over
Schuyler	5	4.40		1	2	1	1	
Steuben	11	5.18		2	2	4	1	2

Table 34.

Small Grain Harvesting  
Custom Rates  
by County, New York, 1982

Operation	All reports		Rate per acre						
	County	No.	Avg. rate per acre	Under \$15	\$15- 18	\$19- 22	\$23- 26	\$27- 30	Over \$30
Combine small grain			\$	- number of reports -					
<u>including fuel</u>									
Albany	6	20		1	2	1	1	1	
Allegany	6	18			4	1	1		
Cattaraugus	13	20			3	9	1		
Chanengo	8	23				4	3	1	
Cortland	7	23				4	3		
Erie	16	20			8	4	1	3	
Jefferson	8	18			5	3			
Livingston	9	19			4	4	1		
Montgomery	6	23				3	2	1	
Ontario	17	20		1	5	8	3		
Otsego	7	20			4	2		1	
Rensselaer	6	25			1	1	2	2	
Steuben	15	18			9	6			
Wayne	16	18			12	4			
Wyoming	16	21		1	2	8	5		
<u>excluding fuel</u>									
Cortland	5	19			2	3			
Erie	7	17		1	4	2			
Jefferson	6	19			3	2	1		
Livingston	6	19			2	3	1		
Ontario	6	20			2	3	1		
Orleans	5	19		1	2	1	1		
Wyoming	10	19			3	7			

Table 35.

Corn Harvesting  
Custom Rates  
by County, New York, 1982

Operation	All reports		Rate per acre					
	County	Avg. rate per acre	Under \$15	\$15- 18	\$19- 22	\$23- 26	\$27- 30	Over \$30
		\$	- number of reports -					
Picking corn								
Livingston	5	19		2	3			
Steuben	9	16	1	7	1			
Wyoming	7	20		2	4	1		
Combine HM ear corn								
Cattaraugus	6	28				2	4	
Combine shelled corn								
<u>including fuel</u>								
Cattaraugus	8	28				3	5	
Chenango	8	26		1	1	3	2	1
Erie	6	25			1	4	1	
Herkimer	5	26				4	1	
Livingston	6	25			1	4	1	
Montgomery	5	27				2	3	
Ontario	15	22		2	4	9		
Otsego	5	26				4	1	
Rensselaer	5	28				1	4	
Steuben	6	24		1	2	1	2	
Wayne	15	26		1	1	5	8	
Wyoming	7	24			2	4	1	
Combine shelled corn								
<u>excluding fuel</u>								
Erie	8	21		1	6	1		
Livingston	8	23			4	4		
Wyoming	9	24		1	3	4	1	



Table 36.

Bulldozing  
Custom Rates  
by County, New York, 1982

Size	All reports		Rate per hour					
	County	No.	Avg. rate per acre	Under \$35	\$35- 44	\$45- 54	\$55- 64	\$65- 74
Small dozer - under 75 hp			\$	- number of reports -				
Cattaraugus	5	36		3	1		1	
Livingston	6	32		3	3			
Ontario	5	36		1	4			
Medium dozer - 75 to 120 hp								
Livingston	8	45		1	2	2	3	
Wyoming	8	45			4	3	1	
Large dozer - over 120 hp								
Cattaraugus	5	60			1		1	2
Erie	5	53		1		1	3	
Livingston	8	53		1		2	4	1
Ontario	5	61		1			2	2
Otsego	6	52		1		2	2	1
Tompkins	6	55			1	1	3	1

Table 37.

Farm Tractors  
Rental Rates, New York, 1982

Tractor size	Rental rates in dollars per				
		Hour	Day	Week	Month
PTO Hp		\$	\$	\$	\$
20-34	(No.) Avg. Range	N/A	(3) 68 60-75	(6) 228 195-280	(6) 624 550-690
35-49	(No.) Avg. Range	(3) 7 5-9	(7) 85 50-115	(13) 304 225-460	(11) 898 625-1380
50-64	(No.) Avg. Range	(6) 11 5-18	(6) 83 50-140	(12) 301 125-425	(12) 889 650-1240
65-89	(No.) Avg. Range	(15) 13 8-19	(8) 89 30-150	(15) 385 200-600	(18) 1076 600-1800
90-114	(No.) Avg. Range	(19) 14 10-28	(4) 160 135-210	(11) 547 355-840	(17) 721 600-2520
115-134	(No.) Avg. Range	(7) 16 9-19	(2) N/A 90-125	(3) 465 400-595	(4) 1588 1200-2000
Over 134	(No.) Avg. Range	(4) 19 15-30	(4) 220 100-380	(3) 928 650-1135	(4) 2550 1800-3400
True 4 Whl drive tractors	(No.) Avg. Range	(9) 29 12-60	N/A	(3) 1006 750-1267	(10) 3070 2000-4000

Table 38.

Other Power Equipment  
Rental Rates, New York, 1982

Type	Size	No. of reports	Rental rates in dollars
Backhoes	12 to 17 ft	10	Per day: \$125-225 range; \$156 avg.
		12	week: \$460-900 range; \$608 avg.
		12	month: \$1380-2700 range; \$1823 avg.
Skid steer loaders	20 to 50 Hp	8	Per hour: \$10-18 range; \$13 avg.
		21	day: \$50-125 range; \$88 avg.
		21	week: \$223-575 range; \$361 avg.
		16	month: \$600-1500 range; \$1082 avg.
Bulldozers	50 to 110 Hp	3	Per hour: \$12, 20, 20
		5	week: \$100, 550, 770, 870, 1200
		3	month: \$2300, 2600, 3600
Forklifts		1	Per hour: \$30
		1	day: \$110
		2	week: \$440, 500
		4	month: \$1000, 1150, 1320, 1500
Loaders	1 1/2 to 3 yds	3	Per day: \$245, 280, 375
		9	week: \$770-1500 range; \$994 avg.
		9	month: \$2300-4500 range; \$2981 avg.

Table 39.

Farm Equipment  
Rental Rates, New York, 1982

Item	Description	No. of reports	Rental rates in dollars
Plows - moldboard			
	2 bottom	2	Per day: \$35, 50
		1	week: \$140
		1	month: \$420
	4 bottom	2	Per acre: \$6, 7
		1	day: \$80
	5 bottom	1	Per acre: \$6
		1	day: \$100
		1	week: \$300
		1	month: \$900
	6 bottom	1	Per acre: \$8
		1	hour: \$20
Plows - chisel			
	9 to 12 feet	1	Per acre: \$5
		3	day: \$75, 100, 100
	24 feet	1	Per acre: \$10
	Rock pickers	2	Per day: \$75, 125

Table 39 (continued)

Farm Equipment  
Rental Rates, New York, 1982

Item	Description	No. of reports	Rental rates in dollars
Drill - conventional		3	Per acre: \$5, 6, 8
	No-till	1	Per acre: \$18
Seeder - conventional		3	Per acre: \$3, 5, 6
	No-till	6	Per acre: \$10, 10, 18, 18, 20, 30
Corn planter - conventional			
	4 row	9	Per acre: \$3-10 range; \$6 avg.
	6 row	2	Per acre: \$8, 10
Corn planter - No-till			
	4 row	4	Per acre: \$10, 12, 15, 18
Mowers - windrower		1	Per acre: \$6
		1	month: \$300
	flail	1	Per day: \$50
		1	week: \$195
		1	month: \$610
	rotary	1	Per hour: \$5
		5	day: \$30, 40, 45, 50, 50
		3	week: \$75, 150, 160
		2	month: \$450, 480

Table 39 (continued)

Farm Equipment  
Rental Rates, New York, 1982

Item	Description	No. of reports	Rental rates in dollars
Baler - large round		6	Per bale: \$4, 4, 5, 5, 7, 8
Side unloading wagon		1	Per week: \$230
		1	month: \$675
Forage harvesters - PTO			
	2 row corn head	1	Per acre: \$12
		1	month: \$500, 1000
Forage harvesters - SP			
	2 row corn head	1	Per week: \$1000
		1	month: \$3000
Corn picker		2	Per acre: \$7, 15
		1	day: \$20
	1 row	2	Per acre: \$10, 10
	2 row	2	Per acre: \$10, 12
Combine w/grain head			
	13-15 feet	3	Per acre: \$18, 20, 22
		2	hour: \$20, 20
Combine w/corn head			
	4-6 row	5	Per acre: \$12, 20, 20, 24, 25
		4	hour: \$20, 23, 30, 30
		1	month: \$3000
	6 row head only	2	Per acre: \$7, 10

Table 39 (continued)

Farm Equipment  
Rental Rates, New York, 1982

Item	Description	No. of reports	Rental rates in dollars
Miscellaneous			
	Rear tractor blade	2	Per day: \$25, 30
		1	week: \$95
		2	month: \$200, 285
	Manure spreader	3	Per day: \$25, 35, 50
	York rake	5	Per day: \$20, 30, 35, 40, 55
		2	week: \$160, 220
		2	month: \$480, 495
	Wood splitter	1	Per hour: \$15
		4	day: \$25, 30, 35, 40
		1	week: \$140
		1	month: \$420
	Post hole digger	10	Per day: \$30-85 range; \$49 avg.