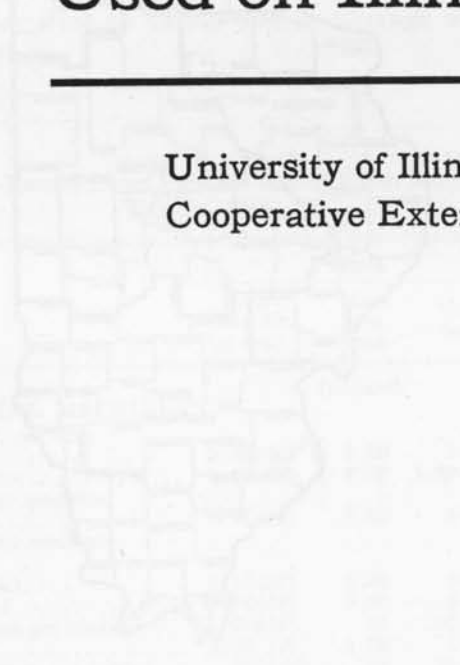


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# Custom Rates and Machine Rental Rates Used on Illinois Farms, 1966

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University of Illinois      College of Agriculture  
Cooperative Extension Service      Circular 956



CUSTOM WORK AND MACHINE RENTAL enable farmers to obtain the benefits of specialized machines that they cannot economically own or operate with the small volume of work on their farms. The owners of these machines and those who hire the use of them are interested in knowing what rates are fair to both parties. One guide is the rates that are currently being charged.<sup>1</sup>

This publication reports the rates used in Illinois in 1966, as measured by a survey in June, 1966. Each farm adviser distributed 15 copies of a questionnaire to individuals hiring custom work or performing it for others and to individuals renting or renting out implements. Another 100 questionnaires went to professional farm managers throughout the state. These people were asked to report the rates they paid or charged in 1965 and in 1966 for custom work or for machine rental. More than 400 questionnaires were returned and were used to calculate the rates given in the tables. The number of reports is included for each operation to indicate the reliability of the rates quoted.

### Machine-Rental Rates

The rates charged for only renting farm machinery, with no other charges included, are given in Table 1. These are reported only for the state as a whole because there were not enough reports to justify summarizing the data by areas.

### Custom Rates

The custom rates reported in Table 2 include the charges made for the use of the machine, the time of the operator, necessary mechanical power, other supplies furnished, such as tractor fuel, wire, or twine for baler, and an allowance for risk and overhead. The cost of materials applied, such as seed or chemicals, is not included. Rates are given for the state as a whole and for the four areas shown in the map at right.

<sup>1</sup> Another guide is the cost of owning and operating field implements. Cost information and methods of estimating costs can be obtained from the Department of Agricultural Economics and the Department of Agricultural Engineering.

The range shown for each operation indicates that custom rates often vary considerably within a geographical area. One reason for the variation is the time required to perform the operation. This is influenced by topography, size and shape of the field, crop yields, weather during the year, size of the machine, and condition of the crop. Competition in the local area also affects the range — if many machines are available in a local area the rates will drop, and where there are few implements the rates will be higher.

### Custom Contract Farming Rates

The survey also collected a few reports on rates charged for custom contract farming. Custom contract farming is a new development in which the custom operator contracts with a landowner to perform all of the field operations for the crops on his farm. Thirty-two farmers who engaged in custom



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Urbana, Illinois

December, 1966

Cooperative Extension Work in Agriculture and Home Economics: University of Illinois, College of Agriculture, and the United States Department of Agriculture cooperating. JOHN B. CLAAR, Director. Acts approved by Congress May 8 and June 30, 1914.

farming reported the rates they charged. There were three methods of arriving at charges:

1. The sum of the charges for the amount of each operation actually performed in producing the crops.

2. A flat rate for performing all the field operations necessary to produce the crops.

3. Either Method 1 or 2 plus an incentive bonus.

Nineteen of the farmers used the first method of summing the charges for each individual operation performed.

Those who used the flat-rate method reported the following charges:

	No. of rpt.	Ave. rate	Range
Corn, plow to harvest, per acre.....	7	\$26.25	\$20-36
Corn, plow to storage, per acre.....	5	27.50	22-35
Soybeans, plow to harvest, per acre	3	25.00	17-33

Several reported receiving in addition an incentive bonus for doing a good job. These bonuses varied from a premium for getting the crop planted before a specified date to a few cents per bushel over a certain yield. The amounts and specifications for bonuses were so varied that an average would be misleading.

Table 1.—Rental Rates Paid for Use of Farm Machines, Illinois, 1966

	State		
	Aver. (and No. of rpt.)	Most freq. rate	Usual range
(dollars)			
<b>HARVESTING MACHINERY</b>			
Corn picker, per acre			
only.....	2.88 (10)	3.00	2-3.50
with tractor.....	4.12 (8)	4.00	3.50-5
Picker-sheller machine, per acre.....	5.31 (12)	5.00	5-6
Self-propelled combine, per acre			
picker head.....	5.17 (22)	5.00	5-6
grain head.....	3.74 (27)	3.00	3-5
Grain wagons, per bushel.....	.014 (5)	.01	.01-.02
per day.....	2.00 (4)	1.00	1-5
Grain elevators, per bushel...	.013 (14)	.01	.01-.02
Crop dryer, batch, per bushel	.032 (6)	.03	.02-.04
<b>PLANTING MACHINERY</b> (per acre)			
Corn planter.....	1.19 (16)	1.00	1-1.50
Grain drill.....	.89 (18)	.75	.50-1.25
Broadcast seeder.....	.45 (6)	.50	.35-75

Table 1.—Concluded

	State		
	Aver. (and No. of rpt.)	Most freq. rate	Usual range
(dollars)			
<b>FORAGE MACHINERY</b>			
Mower, per acre.....	1.36 (14)	1.00	.75-1.50
Mower and crusher, per acre..	2.42 (8)	2.50	1.75-3
Hay conditioner, per acre....	1.09 (34)	1.00	.50-1.50
Hay rake, per acre.....	.64 (17)	.50	.35-1.00
Hay rake, per bale.....	.012 (7)	.01	.01-.02
Baler, twine tie, per bale.....	.11 (14)	.12	.10-.14
Bale loader, per bale.....	.025 (4)	.02	.02-.03
Forage harvester, per load....	1.44 (4)	1.50	1-1.75
Self-unloading forage wagons, per load.....	1.00 (3)	1.00	.....
per day.....	11.67 (3)	....	10-15
<b>TILLAGE MACHINERY</b> (per acre)			
Plow.....	1.33 (9)	1.00	.75-2
Disks.....	1.13 (10)	1.00	.50-1.50
Stalk shredder.....	1.49 (15)	1.50	.50-2
Field cultivator.....	1.22 (9)	1.50	1-2
Chisel plow.....	1.50 (7)	1.25	1-3
Cultivator row.....	1.02 (15)	1.00	.50-1.50
Rotary hoe.....	.69 (14)	.50	.50-1
<b>FERTILIZER MACHINERY</b>			
Anhydrous applicator, per acre.....	.54 (62)	.50	.25-1
Liquid fertilizer applicator, per acre.....	.61 (36)	.50	.50-1
Dry fertilizer spreader, per acre.....	.57 (15)	.50	.25-1
Broadcast type spreader, per acre.....	.45 (44)	.50	.25-.50
per ton.....	1.48 (14)	2.00	1-2
<b>SPRAYING MACHINERY</b> (per acre)			
Tractor mounted.....	.74 (9)	1.00	.25-1
Trailer boom.....	.65 (16)	.50	.35-1
High clearance.....	.92 (12)	1.00	.50-1.35
<b>TRACTORS</b>			
3 plow, per day.....	19.12 (8)	20.00	10-25
4 plow, per day.....	22.06 (9)	25.00	15-27.50
5 plow, per day.....	31.45 (12)	30.00	25-50
5 plow, per hour.....	3.20 (6)	2.50	2.50-6
TRUCK, ton and one-half (per bushel).....	.025 (6)	.02	.02-.03
<b>MANURE HANDLING MA- CHINERY</b>			
Loader with tractor, per day..	22.14 (7)	20.00	15-30
Spreader only, per load.....	.62 (7)	....	.20-1
Liquid spreader (with pump), per load.....	1.16 (3)	....	.75-1.75
<b>POSTHOLE DIGGER</b> (per hole)			
Only.....	.06 (13)	.05	.05-.10
With tractor.....	.10 (8)	.10	.08-.12
BRUSH DISK (per acre)....	1.54 (6)	1.50	1-2
ROTARY BRUSH CUTTER (per acre).....	1.80 (5)	1.00	1-2
ROTARY WEED CUTTER (per acre).....	1.29 (9)	1.00	1-2
CHAIN SAW (per day).....	12.50 (11)	15.00	5-15
STEAM CLEANER (per day).....	15.50 (6)	....	5-20

Table 2.—Custom Rates Paid for Farm Operations, Illinois, 1966

Operation	STATE			NORTHERN AREA			EASTERN AREA			WESTERN AREA			SOUTHERN AREA		
	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range
	(dollars)			(dollars)			(dollars)			(dollars)			(dollars)		
<b>TILLAGE OPERATIONS</b> (per acre)															
Plowing cornstalks															
spring.....	4.08(193)	4.00	3-5	4.43(23)	4.50	3.50-5	4.17(73)	4.00	3.50-5	4.28(48)	5.00	3.50-5	3.56(49)	3.00	3-4
fall.....	4.34(186)	4.00	3-6	4.76(16)	5.00	4-5	4.53(85)	4.00	4-6	4.40(42)	5.00	3.50-5	3.74(43)	4.00	3-5
Plowing sod															
spring.....	4.38(128)	4.00	3-6	4.88(13)	4.50	4.50-5.50	4.38(49)	4.00	4-6	4.58(35)	5.00	4-5	3.94(31)	4.00	3.50-4
fall.....	4.54(106)	4.00	3.50-7	5.14(11)	4.50	4-5.50	4.60(46)	4.00	4-5.50	4.57(28)	4.00	4-5.50	4.07(21)	3.50	3.50-6
Plowing and fertilizing															
spring.....	5.00(28)	5.00	3.50-6	.....	.....	.....	4.95(10)	5.00	4.50-5	5.61(9)	5.25	4.75-6	4.17(6)	4.50	3.50-4
fall.....	5.21(23)	5.00	3.50-6.50	.....	.....	.....	5.15(10)	5.00	4.50-6	5.78(8)	6.00	5.25-6.50	4.25(5)	3.50	3.50-5
Rotary tilling.....	5.27(11)	5.00	4-6	.....	.....	.....	5.00(6)	.....	4-6	.....	.....	.....	.....	.....	.....
Disking only.....	1.68(151)	1.50	1-2.50	1.88(18)	2.00	1-2.50	1.56(54)	1.50	1.25-2	1.61(36)	1.50	1-2.50	1.80(43)	1.50	1-2
Disking and applying															
insecticide.....	1.99(36)	1.50	1.25-3	.....	.....	.....	1.85(20)	1.75	1.50-2	1.62(8)	1.50	1.25-2	2.05(8)	1.50	1.50-3
stalk shredding.....	1.86(89)	2.00	1-3	1.96(14)	2.00	1-2.50	1.78(40)	1.50	1-3	1.87(21)	2.00	1.50-2	1.95(14)	2.00	1.50-2
spike-tooth harrowing.....	.89(77)	1.00	.50-1.50	.77(12)	1.00	.50-1	.94(32)	1.00	.75-1	.81(18)	1.00	.50-1	.97(15)	1.00	.50-1
spring-tooth harrowing.....	1.31(38)	1.00	.75-2	1.15(5)	1.00	1-2	1.30(16)	1.50	1-1.50	.99(6)	1.00	.75-1.50	1.57(11)	1.00	1-2
chisel plowing.....	3.52(25)	3.50	2-5	.....	.....	.....	3.40(13)	3.00	2.50-5	3.65(6)	.....	2-4	3.10(6)	3.50	3-3
Field cultivating															
only.....	1.84(80)	1.50	1-3	2.01(14)	2.50	1.25-2.50	1.71(40)	1.50	1.50-2	1.71(13)	2.00	1.25-2	2.23(13)	2.00	1.50-3
and fertilizing.....	2.52(26)	2.00	1.50-3.50	.....	.....	.....	2.45(14)	2.00	2-3	1.85(5)	1.50	1.50-2.50	.....	.....	.....
and applying insecticide..	2.36(24)	2.00	1.50-3.50	.....	.....	.....	2.28(15)	2.00	1.50-3.50	.....	.....	.....	.....	.....	.....
Row cultivating.....	1.50(124)	1.50	1-2	1.64(17)	1.50	1-2	1.39(51)	1.50	1-1.50	1.53(27)	1.50	1-2	1.57(29)	1.50	1.25-2
Rotary hoeing.....	1.05(103)	1.00	.75-1.50	1.12(16)	1.00	1-1.50	1.01(45)	1.00	.75-1.50	1.00(20)	1.00	.75-1.25	1.15(22)	1.00	1-1
<b>PLANTING</b> (per acre)															
Field cultivating and planting															
corn or soybeans only.....	3.20(52)	3.00	2-4	2.95(5)	.....	2-4	3.12(28)	3.00	2-3.50	3.56(10)	3.00	3-4	3.19(9)	3.00	2-4
corn or soybeans and applying chemicals....	3.75(47)	3.50	3-5	3.12(6)	3.00	2.75-4	3.59(26)	3.00	3-4.50	3.78(7)	4.00	3-4	4.61(8)	3.50	3.50-5
Planting corn															
40" row.....	1.71(94)	1.50	1-3	2.08(11)	2.00	1.50-3	1.72(38)	1.50	1.25-2	1.50(24)	1.50	1-2	1.75(21)	1.50	1.25-2
30" row.....	1.96(23)	1.50	1.50-2.50	2.09(4)	.....	2-2.25	1.73(11)	1.50	1.50-2.50	1.85(5)	1.75	1.50-2	.....	.....	.....
Planting corn and applying chemicals															
40" row.....	2.06(86)	2.00	1.50-3	2.28(8)	2.00	1.75-2.50	2.00(34)	2.00	1.50-3	2.06(22)	1.50	1.50-3	1.96(22)	2.00	1.75-2
30" row.....	2.35(24)	2.00	1.50-3	2.40(5)	2.00	1.50-3	2.39(14)	2.00	1.50-2.50	2.20(5)	2.50	1.50-2.50	.....	.....	.....
Planting soybeans.....	1.78(83)	1.50	1.25-3	2.16(8)	1.50	1.50-3	1.69(30)	1.50	1.25-2	1.62(22)	1.50	1.25-2	1.91(23)	1.50	1.25-2
Planting soybeans and applying chemicals....	2.04(68)	2.00	1.50-3.50	2.75(8)	2.00	2-2.75	1.87(28)	2.00	1.50-2.25	1.89(16)	2.00	1.50-2.75	2.12(16)	2.00	1.50-3
Drilling small grain															
alone.....	1.61(86)	1.50	1-2	1.83(12)	1.50	1.25-2	1.49(29)	1.50	1-2	1.54(19)	1.50	1.25-2	1.70(26)	1.50	1.25-2
with grass seed or fertilizer	1.80(79)	2.00	1.50-2.50	2.06(11)	2.00	1.50-2.50	1.69(30)	1.50	1.50-2.25	1.77(18)	2.00	1.50-2.25	1.86(20)	2.00	1.50-2
Drilling alfalfa and clover...	1.50(40)	1.50	1-2	1.75(7)	1.75	1.25-2	1.38(20)	1.00	1-2	1.52(10)	1.50	1-2	.....	.....	.....
Broadcast seeding.....	1.05(85)	1.00	.50-1.50	1.25(10)	1.00	1-1.50	.99(36)	1.00	.50-1.50	1.03(16)	1.00	.75-1.50	1.08(23)	1.00	1-1
<b>APPLYING FERTILIZER</b> (per acre)															
Anhydrous ammonia.....	1.79(206)	2.00	1.50-2	1.68(21)	1.50	1.50-2	1.81(96)	2.00	1.50-2	1.83(47)	2.00	1.50-2	1.78(42)	1.50	1.50-2
Mixed fertilizer, flow type..	1.25(73)	1.00	1-1.50	1.17(7)	1.00	1-1.50	1.18(31)	1.00	1-1.25	1.20(19)	1.00	1-1.25	1.36(16)	1.00	1-1
Mixed fertilizer, truck															
application.....	1.14(151)	1.00	1-1.50	1.15(10)	1.00	1-1.25	1.12(64)	1.00	1-1.50	1.13(38)	1.00	1-1.25	1.19(39)	1.00	1-1
Liquid fertilizer.....	1.23(131)	1.00	1-1.50	1.34(15)	1.00	1-1.50	1.15(63)	1.00	1-1.50	1.28(29)	1.00	1-1.50	1.18(24)	1.00	1-1
<b>SPRAYING</b>															
Mounted or trailer sprayer															
in field, per acre.....	1.16(147)	1.00	1-1.50	1.29(23)	1.50	1-1.50	1.10(55)	1.00	1-1.50	1.10(29)	1.00	1-1.50	1.22(40)	1.00	1-1

High clearance sprayer in field, per acre.....	1.25 (108)	1.00	1-1.50	1.31 (12)	1.00	1-1.50	1.17 (59)	1.00	1-1.50	1.39 (25)	1.25	1-1.50	1.26 (12)	1.25	1-1.50
Fence rows or brush, per hour.....	5.76 (69)	5.00	3-10	5.72 (9)	5.00	3-10	6.03 (29)	5.00	4-10	6.20 (17)	5.00	5-10	4.70 (14)	5.00	3-5
<b>HARVESTING GRAIN</b>															
Picking ear corn per acre.....	5.28 (152)	5.00	4-6	5.18 (30)	5.00	5-6	4.89 (46)	5.00	4-6	5.66 (35)	5.00	5-6	5.48 (41)	5.00	5-6
per bushel.....	.09 (40)	.10	.05-.10	.....	.....	.....	.08 (24)	.10	.05-.10	.09 (9)	.10	.05-.10	.09 (7)	.10	.06-.10
Combining or picker-shelling corn, 40" rows per acre.....	6.90 (138)	7.00	5-8	7.34 (44)	7.00	6-8	6.17 (9)	6.00	6-6.50	7.09 (43)	7.00	6-8	6.42 (42)	6.00	5-8
per bushel.....	.09 (62)	.10	.07-.10	.....	.....	.....	.09 (16)	.10	.07-.10	.09 (22)	.10	.07-.10	.09 (24)	.10	.08-.10
per acre plus per bushel...	5.01 (116)	5.00	4-6	.....	.....	.....	4.92 (37)	5.00	4-6	5.00 (36)	5.00	4-6	5.10 (43)	5.00	5-6
	+.03	+.03	+.02-.03	.....	.....	.....	+.02	+.02	+.02-.03	+.025	+.02	+.02-.03	+.03	+.03	+.02-.03
Combining corn, 30" rows, per acre.....	7.81 (21)	8.00	7-9	8.42 (6)	8.00	7-8	7.94 (9)	9.00	7-9	.....	.....	.....	.....	.....	.....
Combining oats, per acre...	4.87 (256)	5.00	3.50-6	5.23 (43)	5.00	4.50-6	4.26 (83)	4.00	3.50-5	4.94 (64)	5.00	4-6	5.33 (66)	5.00	5-6
Combining soybeans per acre.....	5.48 (311)	5.00	4-7	5.81 (41)	6.00	5-7	4.98 (103)	5.00	4.50-6	5.54 (68)	5.00	4-6	5.80 (99)	6.00	5-7
per bushel.....	.34 (7)	.35	.30-.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.34 (7)	.35	.30-.40
Combining wheat or barley, per acre.....	5.04 (251)	5.00	4-6	5.34 (30)	5.00	4.50-6	4.56 (83)	5.00	4-5	5.10 (49)	5.00	5-6	5.35 (89)	5.00	4.50-6
Combining clover seed, per acre.....	5.85 (79) <sup>a</sup>	5.00	4.50-8	.....	.....	.....	5.36 (22)	5.00	4.50-6	5.79 (19)	5.00	5-6	6.04 (38)	5.00	5-8
Combining grain sorghum, per acre.....	5.89 (23)	6.00	5-6	.....	.....	.....	5.60 (6)	6.00	5-6	5.25 (6)	5.00	5-6	6.36 (11)	6.00	5-6
Corn topping, per acre.....	1.39 (9)	1.50	1-2	.....	.....	.....	.....	.....	.....	1.20 (5)	1.00	1-1.50	.....	.....	.....
Shelling corn from crib, per bushel.....	.030 (158)	.03	.02-.05	.028 (27)	.03	.02-.03	.028 (78)	.03	.02-.04	.031 (41)	.03	.02-.05	.040 (12)	.03	.03-.05
<b>HARVESTING FORAGE</b>															
Mowing hay, per acre.....	1.52 (133)	1.50	1-2	1.54 (13)	1.50	1-2	1.38 (47)	1.50	1-1.50	1.46 (25)	1.50	1.25-1.50	1.68 (48)	1.50	1.50-2
Mowing and crushing hay, per acre.....	2.78 (76)	3.00	2-4	3.11 (11)	3.00	2.50-4	2.45 (27)	2.50	2-3	3.20 (16)	.....	2-4	2.97 (22)	3.00	2.50-4
Crushing or crimping hay, per acre.....	1.44 (73)	1.50	1-2	1.59 (8)	1.50	1.50-2	1.31 (30)	1.50	1-2	1.56 (13)	.....	1-2	1.51 (22)	1.50	1-2
Raking hay or straw per acre.....	1.14 (89)	1.00	.50-1.50	1.22 (10)	1.50	1-1.50	1.16 (30)	1.00	1-1.50	1.00 (18)	1.00	.75-1.50	1.16 (31)	1.00	.50-1.50
per bale.....	.015 (18)	.02	.01-.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.02 (13)	.02	.01-.02
Baling only, per bale wire tie.....	.15 (67)	.15	.12-.18	.13 (6)	.12	.12-.15	.15 (24)	.15	.14-.18	.14 (14)	.15	.12-.16	.16 (23)	.15	.15-.18
twine tie.....	.12 (110)	.10	.10-.15	.11 (13)	.10	.10-.13	.12 (30)	.12	.10-.15	.12 (27)	.10	.10-.15	.13 (40)	.15	.12-.15
Baling and stacking on wagon, per bale.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
wire tie.....	.17 (24)	.16	.14-.20	.....	.....	.....	.17 (17)	.16	.15-.20	.16 (7)	.....	.14-.19	.....	.....	.14-.20
twine tie.....	.15 (39)	.14	.12-.20	.12 (5)	.12	.12-.13	.14 (14)	.14	.12-.15	.14 (11)	.14	.12-.15	.17 (9)	.17	.14-.20
Baling, stacking on wagon, and storing, per bale wire tie.....	.25 (18)	.25	.20-.30	.....	.....	.....	.27 (11)	.26	.20-.30	.23 (4)	.....	.18-.25	.....	.....	.22-.26
twine tie.....	.22 (29)	.22	.17-.26	.....	.....	.....	.22 (13)	.20	.20-.26	.21 (6)	.....	.17-.23	.25 (7)	.....	.10-.12
Baling round bales, per bale	.11 (48)	.10	.10-.15	.....	.....	.....	.11 (19)	.10	.10-.15	.11 (14)	.10	.10-.14	.11 (13)	.10	.....
<b>Field chopping forages, per chopping hour</b>															
Chopping only (includes one man, tractor, and chopper)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
dry hay.....	12.59 (11)	10.00	10-15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
direct cut.....	12.19 (8)	12.00	10-15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
corn silage.....	11.10 (25)	10.00	10-15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Additional charge for services with chopping</b>															
tractor.....	1.83	.....	1-3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
man.....	1.60	.....	1.50-2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
wagon.....	1.00	.....	.00-2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
blower.....	1.30	.....	.00-2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>a</sup> An additional 24 farmers reported charging 1/2 of the seed.

Table 2. — Concluded

Operation	STATE			NORTHERN AREA			EASTERN AREA			WESTERN AREA			SOUTHERN AREA		
	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range	Aver. (and No. of rpt.)	Most freq. rate	Usual range
	(dollars)			(dollars)			(dollars)			(dollars)			(dollars)		
<b>BULLDOZING (per hour)</b>															
8-foot blade.....	12.74 (85)	12.00	10-16	11.75 (4)	10.00	10-15	13.38 (24)	12.00	10-15	11.56 (16)	12.00	10-13	12.91 (41)	14.00	10-14
10-foot blade.....	15.08 (104)	15.00	12-20	14.25 (4)	12.00	12-18	14.96 (38)	15.00	12-20	14.91 (29)	15.00	13-18	15.47 (33)	15.00	12.50-18
12-foot blade.....	18.13 (83)	20.00	15-25	17.00 (5)	20.00	15-20	18.45 (33)	20.00	15-22.50	17.71 (21)	18.00	15-20	18.29 (24)	18.00	15-25
<b>MACHINE-TILING</b>															
(per rod).....	2.83 (25)	2.50	2-3.30	.....	.....	.....	3.01 (12)	3.30	2.50-3.30	2.65 (9)	2.00	2-3.30	.....	.....	.....
<b>TRENCHING (per foot)...</b>	.16 (36)	.15	.10-.20	.....	.....	.....	.15 (16)	.15	.10-.18	.16 (10)	.10	.10-.20	.12 (10)	.10	.10-.15
<b>CUTTING BRUSH</b>															
(per hour)															
using rotary cutter.....	5.76 (25)	5.00	5-8	.....	.....	.....	6.71 (8)	5.00	5-6	6.25 (7)	5.00	5-8	4.95 (10)	5.00	5-6
using brush disk.....	5.75 (10)	4.00	4-8	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.88 (4)	.....	4-7
by hand.....	1.93 (20)	1.50	1.25-3	.....	.....	.....	2.07 (6)	2.00	1.50-3	2.50 (5)	1.50	1.50-3	1.34 (9)	1.50	1.25-1.5
<b>CHAIN-SAWING WOOD</b>															
(per hour).....	4.28 (64)	5.00	2.50-6	.....	.....	.....	5.52 (25)	5.00	4-6	4.30 (12)	5.00	3-5	3.41 (24)	3.00	2.50-5
<b>MOWING WEEDS</b>															
(per hour)															
power mower.....	3.67 (32)	4.00	2-5	.....	.....	.....	3.71 (12)	4.00	3-5	4.16 (11)	5.00	2-5	2.50 (9)	2.00	2-3
tractor mower.....	4.39 (62)	5.00	1.50-5	4.66 (9)	5.00	4-5	4.45 (21)	4.00	4-5	4.52 (13)	5.00	2.50-5	3.46 (19)	4.00	1.50-5
<b>LOADING MANURE</b>															
(per hour).....	4.84 (56)	5.00	3-8	5.00 (7)	5.00	.....	5.03 (17)	5.00	3-8	4.89 (16)	5.00	4-6	4.12 (16)	5.00	3-5
<b>HAULING MANURE</b>															
(per hour)															
liquid manure.....	4.00 (11)	4.00	2.50-5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
solid manure.....	3.89 (22)	4.00	2.50-5	.....	.....	.....	3.64 (7)	4.00	2.50-5	4.17 (7)	4.00	4-5	3.75 (8)	2.50	2.50-5
<b>CLEANING SEPTIC TANK (per tank).....</b>	24.51 (41)	25.00	20-25	25.00 (6)	25.00	.....	24.17 (24)	25.00	20-25	23.00 (5)	25.00	20-25	22.50 (6)	20.00	20-25
<b>FEED PROCESSING</b>															
(per cwt.)															
<b>Grinding grain</b>															
on the farm.....	.16 (16)	.20	.10-.20	.....	.....	.....	.13 (5)	.15	.10-.20	.....	.....	.....	.18 (7)	.20	.16-.20
at the mill.....	.13 (43)	.15	.10-.20	.....	.....	.....	.12 (18)	.15	.10-.15	.11 (5)	.10	.10-.15	.15 (17)	.20	.10-.20
<b>Mixing feed</b>															
on the farm.....	.10 (6)	.10	.05-.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
at the mill.....	.09 (23)	.10	.05-.15	.....	.....	.....	.08 (12)	.10	.05-.15	.09 (4)	.05	.05-.15	.09 (7)	.10	.05-.15
<b>Grinding and mixing</b>															
on the farm.....	.19 (33)	.15	.15-.20	.....	.....	.....	.16 (11)	.15	.15-.20	.19 (12)	.15	.15-.20	.19 (10)	.20	.16-.20
at the mill.....	.16 (52)	.15	.12-.20	.16 (6)	.17	.15-.17	.15 (17)	.15	.12-.20	.14 (9)	.15	.13-.15	.18 (20)	.15	.15-.20
<b>Pelleting.....</b>	.18 (6)	.20	.10-.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>DIGGING POSTHOLES</b>															
(per hole).....	.12 (81)	.10	.10-.15	.12 (5)	.10	.10-.15	.14 (23)	.10	.10-.15	.11 (26)	.10	.10-.15	.11 (27)	.10	.10-.15
<b>SHEARING SHEEP</b>															
(per head).....	.83 (51)	.75	.75-1	.90 (5)	.75	.75-1	.87 (17)	.75	.75-1	.75 (13)	.75	.75-1	.84 (16)	.75	.75-1
<b>DIPPING SHEEP</b>															
(per head).....	.42 (17)	.50	.30-.50	.....	.....	.....	.46 (5)	.50	.30-.50	.48 (6)	.50	.30-.50	.....	.....	.....

TRUCKING															
General trucking, per hour..	6.45 (32)	5.00	5-10	....	....	....	7.27 (11)	10.00	5-10	6.58 (12)	5.00	5-10	5.58 (6)	5.00	5-8
Trucking livestock with flat rate, per cwt.															
up to 40 miles.....	.21 (8)	.25	.15-.30												
40 to 99 miles.....	.29 (26)	.25	.20-.45	.24 (6)	.25	.20-.28	.35 (5)	....	.25-.45	.28 (5)	.25	.25-.33	.30 (10)	.30	.25-.35
100 miles or more.....	.42 (25)	.40	.35-.75												
Trucking grain with flat rate, per bushel															
up to 5 miles.....	.024 (35)	.02	.01-.05	.028 (6)	.03	.02-.04	.019 (19)	.02	.0125-.04	.025 (6)	.02	.02-.03	.0425 (4)	.05	.03-.05
5 to 10 miles.....	.041 (50)	.02	.02-.12	.05 (7)	.02	.02-.12	.03 (15)	.02	.02-.08	.035 (13)	.03	.02-.06	.054 (15)	.06	.02-.08
10 to 20 miles.....	.057 (33)	.05	.02-.10	.045 (5)	.04	.035-.06	....	....	....	.042 (12)	.05	.025-.08	.075 (14)	.10	.05-.10
Trucking grain with minimum charge per bushel plus additional for each mile over base mileage															
Base mileage 1 mile minimum per bushel...	.0133 (16)	.0125	.01-.0225												
per bushel-mile over base.....	+.0026	+.0025	+.002-.005												
Base mileage 3 miles minimum per bushel...	.015 (4)	....	.0125-.0175												
per bushel-mile over base.....	+.0019		+.001-.0025												
Base mileage 4 miles minimum per bushel...	.0195 (2)	....	.019-.02												
per bushel-mile over base.....	+.0032		+.0015-.005												
Base mileage 5 miles minimum per bushel...	.04 (5)	.04	.03-.05												
per bushel-mile over base.....	+.006	+.005	+.0025-.01												
Trucking grain with flat rate per bushel-mile.....	.006 (8)	.0025	.002-.0125												
DRYING CORN <sup>a</sup>															
Flat rate per bushel per point.....	.010 (12)	.01	.005-.02												
Flat rate per bushel.....	.072 (40)	.10	.04-.10	.089 (12)	.10	.04-.10	.060 (17)	.06	.04-.10	.069 (7)	.05	.05-.10	.080 (4)	.06	.06-.10
Flat rate or minimum, whichever is more															
minimum per bushel.....	.057 (15)	.05	.03-.10												
or flat rate per bushel per point.....	.009 (15)	.01	.005-.01												
Minimum plus bushel-point charge															
minimum per bushel.....	.050 (19)	.05	.03-.07												
plus per bushel per point	+.008	+.005	+.005-.01												
Flat rate plus charge per bushel-point of moisture removed above base															
Base 20.5 percent moisture minimum per bushel...	.050 (12)	.05	.025-.10												
per bushel per point over base.....	+.008	+.01	+.005-.015												
Base 25 percent moisture minimum per bushel...	.08 (8)	.10	.05-.10												
per bushel per point above base.....	+.008	+.01	+.005-.015												

<sup>a</sup> One point equals 1 percent of moisture. Bushels counted are both wet and dry bushels. Thirty-three percent of farmers reported bushels counted on wet basis, 19 percent on dry basis.

