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Custom Rates and Machine Rental Rates Used on Illinois Farms in 1971

University of Illinois at Urbana-Champaign
College of Agriculture Cooperative Extension Service

Circular 1070

form all of the field operations for the crops on his farm. Thirty-two farmers who engaged in custom 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.

Fourteen 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, per acre.....	17	\$32.12	25-40
Soybeans, per acre.....	6	29.58	25-32

Several reported that additional charges were made for management services, farm maintenance work, or other special tasks performed beyond the usual field operations. Incentive bonuses for a good job 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, 1971

	State		
	Aver. (and No. of rpt.)	Most freq. rate	Usual range
(dollars)			
TILLAGE MACHINERY, per acre			
Plows.....	1.42 (16)	1.50	1-2
Disks.....	1.31 (16)	1.00	.50-2
Stalk shredder.....	1.36 (27)	1.00	.50-2
Field cultivator.....	1.24 (18)	1.00	.50-2
Chisel plow.....	1.27 (31)	1.00	.50-2
Rotary tiller.....	2.25 (4)	1.50	1.50-4
Row cultivator.....	1.25 (17)	1.00	.50-2
Rotary hoe.....	.74 (18)	.50	.30-1.50
PLANTING MACHINERY, per acre			
Corn planter.....	1.64 (14)	1.50	1-2.50
Grain drill.....	.99 (17)	.50	.30-2
Broadcast seeder.....	.83 (11)	1.00	.50-1.50
FERTILIZING MACHINERY, per acre			
Anhydrous applicator.....	.73 (35)	.50	.25-1
Liquid fertilizer applicator.....	.86 (23)	.50	.50-1.50
Dry fertilizer spreader			
flow type.....	.64 (12)	.50	.25-1
broadcast type.....	.47 (30)	.50	.25-1

Table 1. — Concluded

	State		
	Aver. (and No. of rpt.)	Most freq. rate	Usual range
(dollars)			
SPRAYING MACHINERY, per acre			
Tractor-mounted sprayer.....	1.03 (9)	1.00	.50-1.50
Trailer sprayer.....	.78 (17)	.50	.30-1
Self-propelled, high clearance sprayer.....	1.42 (16)	1.50	1-2
FORAGE-HARVESTING MACHINERY			
Mower, per acre.....	1.11 (9)	1.00	.50-1.50
Mower and crusher, per acre.....	2.01 (19)	2.00	1-3
Hay conditioner, per acre.....	1.18 (23)	1.00	.50-1.50
Windrower, per acre.....	1.07 (7)	1.00	.50-2
Hay rake, per acre.....	.63 (15)	.50	.30-1
Hay baler, per day.....	35.33 (3)	....	20-45
Forage harvester, per day.....	62.50 (4)	....	40-75
Blower, per day.....	15.00 (5)	15.00	5-20
Self-unloading forage wagons			
per load.....	.93 (5)	1.00	.50-1.10
per day.....	16.25 (4)	15.00	10-25
GRAIN-HARVESTING MACHINERY			
Corn picker, per acre.....	3.59 (17)	4.00	2-6
Corn picker and tractor, per acre	5.33 (12)	5.00	4-7
Picker-sheller, per acre.....	6.00 (6)	....	4-8
Picker-sheller and tractor, per acre.....	6.50 (5)	....	5-8
Self-propelled combine, per acre			
with grain head.....	5.70 (29)	5.00	4-7.50
with picker head.....	5.96 (32)	6.00	4-7.50
Combine pull type, per acre			
only.....	3.50 (5)	....	2-5
with tractor.....	5.44 (4)	....	3-8
Grain wagons			
per bushel.....	.019 (9)	.02	.01-.03
per day.....	8.75 (4)	....	5-10
Grain elevator, per bushel.....	.019 (9)	.02	.01-.05
Grain auger, per bushel.....	.009 (9)	.01	.005-.01
Crop dryer, per bushel.....	.052 (8)	.05	.02-.10
TRACTORS			
3 plow, per day.....	21.50 (9)	25.00	15-40
4 plow, per hour.....	4.30 (5)	....	2.50-7
per day.....	32.44 (9)	....	20-45
5 plow, per hour.....	5.93 (7)	6.00	4-7
per day.....	45.70 (10)	40.00	25-60
MANURE-HANDLING MACHINERY			
Loader with tractor			
per load.....	.83 (3)	....	.50-1
per day.....	27.00 (7)	25.00	20-50
Spreader only			
per load.....	.50 (3)	....	....
per day.....	14.86 (7)	12.00	5-25
Liquid manure spreader only, per day.....	21.75 (4)	20.00	20-25
POSTHOLE DIGGER, per hole			
Only.....	.09 (11)	.10	.05-.10
With tractor.....	.20 (13)	.15	.10-.35
BRUSH DISK, per acre.....	1.78 (10)	2.00	1-2.75
BUSH HOG			
per acre.....	1.45 (7)	....	1-2
per day.....	14.00 (3)	....	10-20
ROTARY WEED CUTTER Only			
per acre.....	1.57 (7)	1.50	1-2
per day.....	21.67 (3)	....	10-30
With tractor, per day.....	31.25 (4)	....	15-50
CHAIN SAW, per day.....	17.44 (9)	15.00	10-32
STEAM CLEANER, per day.....	21.56 (8)	20.00	15-30

Table 2. — Custom Rates Paid for Farm Operations, Illinois, 1971

Operation	STATE			NORTHERN			EASTERN			WESTERN			SOUTHERN		
	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)														
TILLAGE OPERATIONS,															
per acre															
Plowing cornstalks or beans															
spring	4.74 (217)	5.00	3-6	4.96 (35)	5.00	4-6	4.89 (59)	5.00	4-6	5.03 (55)	5.00	4-6	4.26 (68)	5.00	3-6
fall	4.92 (183)	5.00	3-6	5.11 (23)	5.00	4-6	5.06 (60)	5.00	4-6	5.22 (49)	5.00	4-6	4.37 (51)	5.00	3-6
Plowing sod															
spring	5.10 (155)	5.00	3.50-7	5.52 (24)	6.00	4-6	5.01 (35)	5.00	4-6	5.50 (43)	5.00	4-7	4.65 (53)	5.00	3.50-6
fall	5.19 (139)	5.00	3.50-7	5.80 (18)	5.00	4-6	5.09 (33)	5.00	4-6	5.46 (44)	5.00	4-7	4.73 (44)	5.00	3.50-6
Plowing and fertilizing															
spring	5.77 (34)	6.00	4-7	6.12 (4)	.....	.....	5.38 (8)	5.50	4.50-6.50	6.25 (13)	6.00	4-7	5.28 (9)	6.00	4.50-6
fall	6.01 (26)	6.00	4.50-7	6.50 (3)	.....	.....	5.50 (7)	5.50	4.50-6.50	6.68 (10)	6.50	5-7	5.25 (6)	6.00	4.50-6
Rotary tilling	5.88 (9)	5.00	3-7.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Disking only															
stalk ground	1.80 (169)	1.50	1-3	1.81 (28)	1.50	1-3	1.68 (47)	1.50	1-3	1.89 (40)	2.00	1-3	1.84 (54)	2.00	1-3
plowed ground	2.13 (156)	2.00	1-3	2.12 (26)	2.00	1.50-3	1.93 (43)	2.00	1-3	2.15 (37)	2.00	1.50-3	2.24 (50)	2.00	1.50-3
Disking and applying															
insecticide	2.66 (50)	2.50	1.50-4	2.75 (4)	.....	.....	2.45 (24)	2.50	1.50-3.50	2.81 (13)	2.50	2-4	2.96 (9)	.....	2-4
stalk shredding	2.19 (93)	2.00	1.50-3	2.10 (43)	2.00	1.50-3	2.24 (29)	2.00	1.50-3	2.19 (25)	2.00	1.50-3	2.18 (26)	2.00	1.50-3
Spike-tooth harrowing	1.18 (72)	1.00	.50-2	.93 (14)	1.00	.50-1.50	1.17 (19)	1.00	.50-1.75	1.21 (24)	1.00	.50-2	1.36 (15)	1.00	1-2
Spring-tooth harrowing	1.65 (43)	1.50	1-3	1.29 (6)	.....	.....	1.57 (11)	1.50	1-2	1.53 (12)	1.50	1-2	1.98 (14)	1.50	1-3
Chisel plowing															
spring	3.98 (96)	4.00	2-6	4.19 (8)	5.00	2.50-6	3.97 (32)	4.00	2-5	4.13 (23)	4.00	3-5	3.86 (33)	4.00	2-5
fall	4.05 (95)	4.00	2-6	4.06 (8)	4.00	3-6	3.95 (32)	4.00	2-5	4.30 (24)	4.00	2-6	3.95 (31)	4.00	2-6
Chisel plowing and applying fertilizer	5.11 (40)	5.00	3.50-7	4.88 (4)	.....	3.50-5.50	5.22 (15)	5.00	4.50-6	5.17 (12)	5.00	4.25-7	4.97 (9)	5.00	4.25-6
Field cultivating															
only	2.18 (105)	2.00	1-4	2.06 (16)	2.00	1-4	2.10 (39)	2.00	1-4	2.08 (25)	2.00	1-4	2.50 (25)	3.00	1.50-4
and fertilizing	3.14 (26)	3.00	2-5	3.33 (3)	.....	.....	3.00 (9)	3.00	2.50-3.50	3.16 (8)	3.00	2-5	3.25 (6)	.....	2-5
and applying insecticide	3.06 (24)	2.50	2-5	2.83 (3)	.....	.....	2.82 (10)	2.50	2-3.50	3.44 (4)	.....	.....	3.29 (7)	.....	2-5
Row cultivating															
40" row	1.82 (132)	1.50	1-3	1.72 (22)	1.50	1-3	1.68 (35)	1.50	1-2.50	1.86 (34)	2.00	1-2.50	1.97 (41)	2.00	1-3
30" row	1.88 (72)	2.00	1-3	1.90 (12)	2.00	1.50-3	1.85 (28)	2.00	1-3	1.81 (13)	2.00	1-3	1.95 (19)	2.00	1-3
Rotary hoeing	1.27 (143)	1.00	.50-2	1.11 (21)	1.00	.50-1.50	1.17 (45)	1.00	.50-2	1.31 (33)	1.00	.50-2	1.41 (44)	1.00	.75-2
TILLING AND PLANTING,															
per acre															
Field cultivating and planting															
corn only															
40" row	3.64 (55)	3.50	2-6	4.30 (5)	.....	3.50-5	3.26 (17)	3.00	2-4.50	3.80 (18)	4.00	2-5	3.63 (15)	3.00	2-6
30" row	4.00 (36)	4.00	2-6	4.56 (4)	.....	3.50-5.25	3.85 (13)	4.00	2.50-5	4.49 (11)	4.00	3.50-6	3.31 (8)	3.00	2-6
soybeans only															
40" row	3.56 (50)	3.00	2-5.50	3.81 (4)	.....	2.25-5	3.20 (17)	3.00	2-4.50	3.85 (17)	4.00	2-5.50	3.58 (12)	3.00	2-5.50
30" row	4.00 (33)	3.50	2.50-6	3.81 (4)	.....	2.50-5.25	3.77 (12)	3.50	2.50-5	4.44 (11)	3.50	2.75-6	3.75 (6)	.....	3-6
corn and applying chemicals															
40" row	4.12 (54)	4.00	2.25-7	3.75 (11)	5.50	2.25-6	3.95 (15)	4.00	2.25-5.50	4.25 (13)	4.00	2.30-5	4.47 (15)	.....	2.50-7
30" row	4.38 (31)	4.50	2.50-7	4.16 (4)	.....	2.50-6	4.40 (10)	.....	3-6	4.58 (11)	5.00	3.25-6	4.12 (6)	.....	2.50-7
soybeans and applying chemicals															
40" row	3.73 (50)	4.00	2-7	3.11 (7)	.....	2-5.50	3.72 (16)	.....	2-5.50	3.56 (14)	4.00	2.25-5.50	4.25 (13)	3.50	2.50-7
30" row	4.24 (29)	4.00	2.50-7	4.04 (4)	.....	2.50-5.50	4.17 (9)	.....	3-5.50	4.49 (9)	4.25	3-5	4.14 (7)	5.00	2.50-7
PLANTING, per acre															
Planting corn															
40" row	2.11 (114)	2.00	1-4	2.13 (19)	1.50	1-3.75	1.87 (27)	2.00	2-4	2.15 (28)	2.00	1-4	2.24 (40)	2.00	1.25-4
30" row	2.36 (54)	2.00	1.50-4	2.58 (9)	2.00	1.50-3.75	2.18 (18)	2.00	1-4	2.52 (14)	2.50	1.50-4	2.29 (13)	2.00	1.50-4

Planting corn and applying chemicals

40" row.....	2.62 (109)	2.50	1.50-5	2.72 (18)	2.50	1.75-4.50	2.54 (27)	2.48 (26)	2.50	1.50-4.50	2.73 (38)	2.50	1.50-4.50
30" row.....	3.04 (46)	3.00	2-5.50	3.40 (7)	....	2-4.50	2.92 (15)	3.10 (13)	3.00	2-5.50	2.89 (11)	2.50	2-4.50
Planting soybeans													
40" row.....	2.22 (92)	2.00	1-4	2.16 (14)	1.50	1.25-3.75	1.86 (22)	2.39 (25)	2.00	1-3	2.35 (31)	2.00	1-25-4
30" row.....	2.59 (50)	2.50	1.50-4.50	3.00 (5)	....	1.50-3.75	2.22 (17)	2.80 (13)	2.50	1.50-4	2.70 (15)	2.50	1.75-4.50
Planting soybeans and applying chemicals													
40" row.....	2.57 (81)	2.00	1.50-5	2.63 (15)	2.00	1.50-4.50	2.24 (18)	2.63 (22)	2.00	1.50-4.50	2.72 (26)	2.00	1.50-5
30" row.....	2.90 (45)	2.50	1.50-5.50	3.06 (7)	....	2-4.50	2.52 (13)	3.21 (13)	2.50	1.50-5.50	2.88 (12)	2.00	1.50-5.50
Drilling small grain alone.....	1.83 (86)	1.50	1-3	1.69 (9)	1.50	1-2.75	1.57 (18)	1.93 (25)	1.50	1-3	1.93 (34)	2.00	1.50-2.50
with grass seed or fertilizer.....	2.15 (67)	2.00	1-3.50	2.23 (8)	2.00	1-3	2.00 (19)	2.15 (18)	2.00	1-3.50	2.26 (22)	2.00	1.50-3
Drilling alfalfa and clover.....	1.80 (45)	1.50	1-3.50	1.69 (4)	....	1.50-2.50	1.50 (13)	1.92 (16)	1.50	1-3.50	2.00 (12)	2.00	1.50-3
Broadcast seeding.....	1.14 (65)	1.00	.50-2.50	2.08 (3)	....	1.75-2.50	.88 (13)	1.17 (20)	1.00	.50-2.50	1.15 (29)	1.00	.50-2

APPLYING FERTILIZER,

per acre													
Anhydrous ammonia.....	1.85 (206)	2.00	1-3	1.69 (29)	1.50	1-2	1.88 (58)	1.93 (53)	2.00	1-2.50	1.84 (66)	2.00	1-2.50
Mixed dry fertilizer													
flow type.....	1.28 (59)	1.00	.50-2	1.38 (6)	1.50	1-2	1.10 (17)	1.32 (19)	1.00	.50-2	1.37 (17)	1.50	.50-2
truck application.....	1.23 (122)	1.00	1-2	1.11 (11)	1.00	1-1.50	1.23 (34)	1.24 (34)	1.25	1-2	1.26 (43)	1.00	1-2
Liquid fertilizer													
sprayed on.....	1.33 (108)	1.25	1-2	1.24 (13)	1.00	1-1.75	1.30 (29)	1.44 (21)	1.25	1-2	1.31 (45)	1.25	1-2
knifed on.....	1.66 (78)	1.50	1-3	1.61 (14)	1.50	1.25-2	1.66 (26)	1.71 (19)	1.50	1-2.50	1.75 (19)	1.50	1.25-2.50

SPRAYING

Mounted or trailer sprayer in field, per acre.....	1.37 (145)	1.50	1-2	1.47 (21)	1.50	1-2	1.24 (42)	1.44 (34)	1.25	1-1.50	1.38 (48)	1.50	1-2
High-clearance sprayer in field, per acre.....	1.47 (112)	1.50	1-2.50	1.48 (15)	1.50	1-1.75	1.35 (41)	1.56 (28)	1.50	1-2.50	1.55 (28)	1.50	1.25-2
Fence rows or brush, per hour.....	8.04 (55)	5.00	3-20	8.44 (9)	....	5-20	7.78 (14)	6.62 (16)	6.00	4-15	9.47 (16)	5.00	4-20

HARVESTING GRAIN

Picking ear corn													
per acre.....	6.04 (130)	5.00	4.50-10	5.90 (26)	6.00	4.50-7	5.87 (31)	6.14 (37)	5.00	4.50-10	6.17 (36)	6.00	5-8
per bushel.....	.10 (22)	.10	.07-.15	....	....	....	.094 (8)	.115 (6)	.10	.10-.15	.104 (8)	.08	.08-.15
per acre plus per bushel.....	5.43 (7)	5.00	4-7	....	....	....	....	....	....	....	....	....	....
per acre plus per bushel.....	5.62 (104)	5.00	4.50-8	5.42 (6)	5.00	4.50-7	5.52 (31)	5.73 (22)	5.00	4.50-8	5.66 (45)	5.00	4.50-8
per acre or per bushel whichever is more													
per acre.....	7.72 (178)	8.00	5-10	8.00 (44)	8.00	7-9	7.21 (29)	7.87 (49)	7.00	5-9	7.63 (56)	8.00	5-10
per bushel.....	.096 (63)	.10	.06-.15	....	....	....	.091 (27)	.094 (11)	.08	.08-.11	.10 (25)	.10	.06-.15
per acre plus per bushel.....	5.62 (104)	5.00	4.50-8	5.42 (6)	5.00	4.50-7	5.52 (31)	5.73 (22)	5.00	4.50-8	5.66 (45)	5.00	4.50-8
per acre or per bushel whichever is more													
per acre.....	6.86 (18)	7.00	5-8	....	....	....	....	....	....	....	6.82 (14)	7.00	5-8
per bushel.....	.10 (18)	.10	.08-.12	....	....	....	....	....	....	....	.104 (14)	.10	.08-.12

Combining corn, 40" rows

per acre.....	8.15 (71)	8.00	5-10	8.88 (3)	8.00	8-10	8.04 (14)	8.22 (19)	8.00	5-10	7.57 (21)	7.00	5-10
per bushel.....	.095 (43)	.10	.07-.12	.08 (3)	....	.07-.09	.094 (18)	.098 (10)	.10	.08-.12	.097 (12)	.10	.08-.12
per acre plus per bushel.....	5.68 (38)	5.00	5-7	....	....	....	5.57 (14)	5.81 (8)	5.00	5-7	5.73 (15)	6.00	5-7
per acre or per bushel whichever is more													
per acre.....	11.15 (22)	12.00	8-15	11.00 (3)	10.00	7-12	10.17 (6)	11.37 (8)	12.00	8-15	12.10 (5)	....	10-15
per bushel.....	.13 (46)	.10	.10-.20	.10 (4)	....	.06-.13	.117 (21)	.154 (7)	.13	.12-.20	.146 (14)	.13	.10-.20
per acre plus per bushel.....	6.94 (68)	6.00	4.00-7.50	5.72 (47)	5.00	4.50-7	6.04 (17)	7.18 (22)	8.00	4-7.5	6.67 (19)	6.00	5-10
per acre or per bushel whichever is more													
per acre.....	6.33 (328)	6.00	5-8	6.40 (50)	6.00	5-8	5.76 (91)	6.66 (72)	6.00	5-8	6.55 (115)	6.00	5-8
per bushel.....	.34 (15)	.35	.18-.40	....	....	....	....	.40 (3)	....	....	.36 (11)	.30	.18-.40
Combining oats, per acre.....	5.49 (257)	5.00	4.00-7.50	5.72 (47)	5.00	4.50-7	4.84 (65)	5.56 (66)	5.00	4-7.5	5.80 (79)	5.00	4.50-7.50
Combining wheat or barley, per acre.....	5.64 (263)	5.00	4.00-7.50	5.86 (33)	6.00	5-7.50	5.02 (64)	5.76 (53)	6.00	4-7	5.87 (113)	6.00	4.50-7.50

Table 2. — Continued

Operation	STATE			NORTHERN			EASTERN			WESTERN			SOUTHERN		
	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)														
Combining clover seed															
per acre.....	6.41 (71)	6.00	5.00-10.00	7.83 (3)	.....	6-10	5.25	5.00	5-6	6.50 (18)	5.00	5-10	6.38 (46)	6.00	5-10
percent of crop.....	48.2 (67)	50.00	25-50	.....	.....	.....	50 (5)	50.00	.....	42.3 (11)	50.00	25-50	49.7 (50)	50.00	33-50
Combining grain sorghum															
per acre.....	7.05 (53)	6.00	5-10	7.50 (4)	.....	7-8	6.88 (6)	6.00	6-10	7.92 (7)	8.00	6-10	6.86 (36)	6.00	5-9
per cwt.....	175 (4)	.....	15-20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelling corn from crib, per bushel															
operator only.....	.036 (86)	.03	.01-.05	.029 (22)	.02	.02-.05	.029 (31)	.02	.01-.05	.05 (22)	.04	.02-.05	.044 (11)	.04	.03-.05
full crew.....	.056 (58)	.05	.03-.10	.059 (8)	.05	.03-.08	.052 (23)	.04	.03-.10	.063 (17)	.05	.04-.10	.05 (10)	.06	.03-.06
HARVESTING FORAGES															
Mowing hay, per acre.....	1.84 (137)	1.50	1-3	1.88 (13)	2.00	1-2.5	1.62 (32)	1.50	1-3	1.94 (37)	1.50	1-3	1.90 (55)	2.00	1-3
Conditioning hay, per acre.....	1.47 (75)	1.50	1-3	1.50 (9)	1.50	1-2	1.25 (19)	1.00	1-2	1.57 (22)	1.50	1-3	1.55 (25)	1.00	1-2
Mowing and conditioning hay, per acre.....	3.25 (90)	3.00	2-6	3.09 (9)	3.00	2.50-3.50	2.74 (21)	3.00	2-6	3.72 (27)	2.50	2-5	3.22 (33)	2.50	2-6
Mowing and windrowing hay, per acre.....	3.17 (52)	3.00	2-6	3.30 (5)	3.00	3-4	2.81 (13)	3.00	2-4.50	3.35 (18)	4.00	2-6	3.22 (16)	4.00	2-5
Mowing, conditioning, and windrowing, per acre.....	4.07 (67)	4.00	2.25-6	4.22 (10)	4.00	3.50-5	4.00 (13)	4.00	3-6	4.46 (25)	4.50	2.25-6	3.51 (19)	3.00	2.25-5
Raking hay or straw															
per acre.....	1.22 (85)	1.00	.50-2	1.11 (9)	1.00	.50-2	1.11 (21)	1.00	.50-2	1.38 (27)	1.00	.75-2	1.20 (28)	1.00	.50-2
per bale.....	.024 (34)	.02	.01-.05	.....	.....	.....	.....	.....	.....	.029 (9)	.02	.02-.05	.022 (22)	.02	.01-.05
Baling, per bale															
wire bale.....	156 (94)	.15	.10-.20	.112 (5)	.12	.10-.15	.172 (23)	.16	.10-.20	.144 (25)	.16	.10-.18	.16 (41)	.15	.11-.20
twine bale.....	125 (175)	.12	.08-.18	.112 (20)	.10	.08-.15	.122 (28)	.14	.08-.15	.126 (50)	.12	.10-.16	.13 (77)	.12	.08-.18
Baling and storing, per bale															
wire bale.....	248 (47)	.25	.16-.40	.....	.....	.....	.285 (13)	.30	.20-.40	.234 (17)	.25	.16-.35	.238 (16)	.25	.20-.40
twine bale.....	224 (57)	.25	.15-.35	.194 (5)	.20	.15-.25	.206 (11)	.20	.15-.30	.23 (20)	.25	.15-.35	.235 (21)	.20	.15-.35
Baling round bales, per bale															
Field chopping only															
per hour.....	13.10 (42)	12.00	9-20	15.87 (8)	15.00	10-20	13.93 (7)	15.00	10-18	13.25 (8)	12.00	10-18	11.55 (19)	12.00	9-15
per ton.....	1.21 (12)	1.00	1-2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grass silage, per hour.....	12.44 (18)	12.00	8-18	.....	.....	.....	.....	.....	.....	11.40 (5)	12.00	8-15	11.87 (8)	12.00	10-15
Haylage, per hour.....	12.48 (23)	12.00	8-18	.....	.....	.....	.....	.....	.....	12.71 (7)	12.00	10-18	11.90 (10)	12.00	8-15
Dry hay, per hour.....	12.00 (23)	12.00	8-15	.....	.....	.....	.....	.....	.....	11.57 (7)	12.00	10-15	11.27 (11)	12.00	8-15
Silo filling with chopper, wagons, and blower															
per hour.....	22.21 (24)	25.00	15-30	21.10 (5)	.....	17-26	23.20 (5)	.....	15-30	23.80 (7)	25.00	20-26	20.71 (7)	.....	15-30
per ton.....	1.64 (18)	1.50	1-2.50	.....	.....	.....	1.56 (4)	.....	1.25-2	.....	.....	.....	1.84 (10)	2.00	1.25-2.00
Haylage, per hour.....	21.33 (6)	.....	17-30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
BULLDOZING, per hour															
Small ^a															
8-foot blade.....	15.43 (7)	.....	12-23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10-foot blade.....	16.50 (6)	.....	13-23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12-foot blade.....	24.00 (3)	.....	20-27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medium ^a															
8-foot blade.....	17.90 (36)	18.00	10-25	18.67 (3)	.....	.....	19.00 (4)	.....	16-22	16.21 (7)	16.00	10-20	18.14 (22)	18.00	10-25
10-foot blade.....	19.54 (22)	18.00	13-26	.....	.....	.....	20.00 (3)	.....	18-22	20.30 (10)	18.00	15-26	18.56 (9)	22.00	13-25
12-foot blade.....	20.82 (11)	20.00	15-25	20.00 (1)	.....	.....	20.00 (2)	.....	.....	20.00 (3)	.....	15-25	21.80 (5)	22.00	20-25
Large ^a															
8-foot blade.....	19.88 (13)	18.00	12-35	.....	.....	.....	20.30 (5)	22.00	15-23	26.50 (2)	.....	18-35	17.33 (6)	.....	12-27
10-foot blade.....	21.71 (28)	20.00	12-35	.....	.....	.....	22.88 (8)	18.00	18-30	20.30 (10)	.....	12-25	22.20 (10)	18.00	16-35
12-foot blade.....	23.20 (15)	20.00	16-34	20.00 (1)	.....	.....	23.25 (4)	.....	20-27	22.83 (6)	.....	16-34	24.50 (4)	.....	20-32

LAND LEVELING												
per acre.....	5.75 (4)											
per hour.....	20.75 (8)	5.00	3-10									
			3.50-34									
MACHINE-TILING, INSTALLATION ONLY												
per rod.....	2.65 (7)	2.25	2-3.50									
per foot.....	.24 (32)	.20	.10-.47	.42 (3)								
		.10	.10-.30									
TRENCHING, per foot....												
	.18 (29)											
CUTTING BRUSH, per hour												
using rotary cutter or												
bush hog.....	6.95 (32)	5.00	3.50-12.50									
using brush disk.....	8.19 (43)	7.00	5-18.00									
by hand.....	3.82 (18)	3.00	2-5									
CHAIN-SAWING WOOD,												
per hour.....	5.49 (57)	5.00	3-10									
MOWING WEEDS, per hour												
power mower.....	4.69 (26)	5.00	3-7.50									
tractor mower.....	6.17 (63)	5.00	3-10	7.56 (9)								
LOADING MANURE,												
per hour.....	6.68 (54)	5.00	4-15	9.67 (9)								
HAULING MANURE,												
per hour												
liquid.....	5.70 (17)	5.00	4-10	7.00 (3)								
solid.....	4.50 (24)	5.00	3-10									
CLEANING SEPTIC TANK												
per load.....	19.00 (20)	20.00	12-25									
per tank.....	26.02 (32)	25.00	15-35	31 (5)								
FEED PROCESSING,												
per cwt.												
Grinding grain												
on the farm.....	.165 (14)	.15	.08-.30									
at the mill.....	.162 (24)	.15	.08-.30									
Grinding and mixing												
on the farm.....	.182 (22)	.15	.10-.30									
at the mill.....	.16 (27)	.15	.10-.25									
DIGGING POSTHOLES,												
per hole.....	.163 (63)	.15	.10-.20	.12 (3)								
SHEARING SHEEP,												
per head.....	1.00 (40)	1.00	.5-1.25	.64 (4)								
DIPPING SHEEP,												
per head.....	.57 (7)	.50	.25-1.00	.25 (1)								
TRUCKING												
General trucking, per hour...	8.40 (37)	10.00	5-12.50	6.92 (8)								
Trucking livestock with												
flat rate, per load.....	17.30 (17)	10.00	8-35									
flat rate, per part load.....	17.28 (14)	10.00	5-40									
flat rate, per cwt.												
up to 10 miles.....	.33 (50)	.30	.10-.55									
10 to 20 miles.....	.34 (50)	.35	.12-.55									
21 to 50 miles.....	.37 (44)	.40	.25-.55									
51 to 100 miles.....	.40 (33)	.40	.30-.55									
101 to 150 miles.....	.42 (16)	.45	.30-.55									
150 or more miles.....	.50 (7)	.45	.40-.55									

* Tractors with maximum drawbar horsepower of less than 67 are considered small; those from 67 to 135, medium; and those 135 and above, large.

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301 101 1000
2730 10 100
100 100
600 10 100