

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Historical Materials from University of Nebraska-
Lincoln Extension

Extension

1969

EC69-806 Farm Custom Rates...Paid in Nebraska 1968

Douglas Duey

Robert Rawson

Follow this and additional works at: <http://digitalcommons.unl.edu/extensionhist>

Duey, Douglas and Rawson, Robert, "EC69-806 Farm Custom Rates...Paid in Nebraska 1968" (1969). *Historical Materials from University of Nebraska-Lincoln Extension*. 3948.

<http://digitalcommons.unl.edu/extensionhist/3948>

This Article is brought to you for free and open access by the Extension at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Historical Materials from University of Nebraska-Lincoln Extension by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

AGR 1
3
85
E7
#69-806
c.1

E.C. 69-806

E.C. 69-806

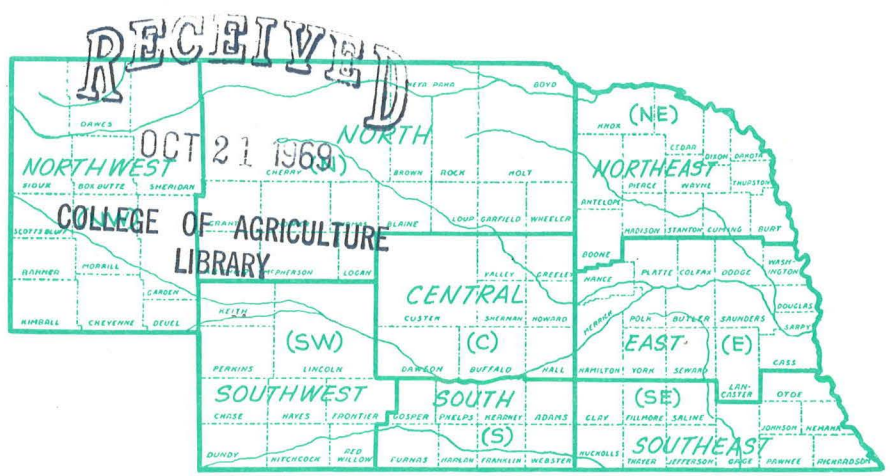
Farm Custom Rates



PAID IN NEBRASKA

1968

by
Douglas D. Duey
and
Robert D. Rawson



EXTENSION SERVICE
UNIVERSITY OF NEBRASKA COLLEGE OF AGRICULTURE AND HOME ECONOMICS
AND U.S. DEPARTMENT OF AGRICULTURE COOPERATING
E. F. FROLIK, DEAN J. L. ADAMS, DIRECTOR

T A B L E O F C O N T E N T S

Introduction	3
Land Tillage	4
Planting and Seeding (also see page 22)	5
Cultivating	9
Fertilizing	10
Spraying for Insect, Disease and Weed Control	10
Harvesting Small Grain and Seed.	11-13
Harvesting Corn	14
Harvesting and Handling Hay	15
Making Silage	17
Trucking and Hayling	18
Other Custom Operations, Drying, Cleaning, Grinding	19
Miscellaneous	21
Tractor Rent	22
Planting, Narrow Row Versus Wide Row	22
The Cost of Machine Ownership Versus Custom Hire	23
Advantages and Disadvantages	24

FARM CUSTOM RATES PAID IN NEBRASKA 1968

By Douglas D. Duey* and
Robert D. Rawson**

Custom work is defined as "the hiring of men with machines for performance of a specified machine task." The custom rate includes charges for the machine, tractor or power unit, fuel, lubrication, incidental supplies and operator's labor, except where otherwise indicated. The costs of material applied are not included--fertilizer, insecticide, herbicide and seed being cases in point.

Custom rates in this circular were summarized from questionnaires received from farmers and custom operators throughout Nebraska. Each was asked to report the rates he charged or paid for customwork in 1968.

The returns were tabulated for each of the state crop reporting districts as shown on the cover. In instances where it was felt the questionnaires were misinterpreted, the reports were not included. In some cases district averages were omitted where too few reports were received to measure the average rate for the district. This may result the total "number reporting" for the state being larger than the sum of the district figures.

The following facts should be weighed carefully when differences exist between the district in question and the remainder of the state:

1. Rates vary between districts, and within districts, for many machines because of soil conditions, size of fields, capacity of machines, row spacing, and local availability of a particular machine.

2. Some of the variation in the averages shown may be the result of an insufficient number of reports. Rates for districts showing large numbers of returns are more reliable than those where fewer reports are involved.

Custom work is used extensively on farms in Nebraska for a variety of reasons. One of the most common reasons is to avoid the cost of ownership for a machine used on a limited scale. Labor is also a factor. It is often easier to hire the services of a skilled operator by hiring the machine also. Because of health or unusual circumstances, some farm operators hire the majority of the machine work on their farms.

Custom work is usually provided by those who own and operate specialized equipment as a business or by farmers who have excess machine capacity and labor on their own farms. Thus, they are able to take advantage of the larger and more efficient machines and yet minimize their costs.

* Area Extension Specialist (Ag. Economics) University of Nebraska.
** Agricultural Statistician, State-Federal Division of Agricultural Statistics.

FARM CUSTOM RATES

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
<u>LAND TILLAGE</u>									
PLOWING, MOLDBOARD									
Number Reporting	28	13	74	26	62	8	15	59	285
Rate Per Acre	\$3.37	\$4.08	\$3.92	\$3.53	\$3.94	\$3.18	\$3.13	\$3.79	\$3.75
ONE-WAY DISC TILLING									
Number Reporting	27	5	15	7	6	12	10	12	94
Rate Per Acre	\$1.67	\$2.45	\$2.66	\$2.31	\$2.25	\$1.70	\$1.99	\$2.48	\$2.10
DISKING, SINGLE									
Number Reporting	9	6	21	7	10	3	4	4	67
Rate Per Acre	\$1.16	\$1.25	\$1.11	\$1.22	\$1.18	\$1.50	\$1.06	\$1.43	\$1.20
DISKING, TANDEM									
Number Reporting	25	12	46	22	44	10	18	36	213
Rate Per Acre	\$1.48	\$1.77	\$1.75	\$1.66	\$1.76	\$1.53	\$1.46	\$1.77	\$1.68
HARROWING, SPIKE TOOTH									
Number Reporting	6	6	23	13	18	1	7	19	93
Rate Per Acre	\$.87	\$.97	\$.89	\$.95	\$.88	\$.90	\$.77	\$1.12	\$.93
HARROWING, SPRING TOOTH									
Number Reporting	16	3	21	10	18	5	10	22	105
Rate Per Acre	\$1.10	\$1.50	\$1.47	\$1.36	\$1.58	\$1.25	\$1.15	\$1.52	\$1.39
DUCKFOOTING (SHALLOW)									
Number Reporting	20	2	7	4	5	6	6	9	59
Rate Per Acre	\$1.34	\$2.00	\$2.29	\$1.91	\$2.25	\$1.38	\$1.39	\$1.86	\$1.68

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
CHISELING, SURFACE (3-8 in.)									
Number Reporting	18	3	4	10	6	5	6	11	63
Rate Per Acre	\$1.58	\$2.75	\$2.30	\$2.54	\$2.33	\$1.35	\$1.84	\$2.61	\$2.09
CHISELING DEEP (Deeper than plow depth)									
Number Reporting	13	4	7	5	8	2	8	9	56
Rate Per Acre	\$2.38	\$3.44	\$3.19	\$3.24	\$3.25	\$2.03	\$3.03	\$3.61	\$3.04
ROD WEEDING									
Number Reporting	27	---	4	1	4	8	7	4	55
Rate Per Acre	\$1.13		\$1.06	\$1.00	\$1.50	\$1.01	\$1.12	\$1.94	\$1.19
ROTARY HOEING									
Number Reporting	12	3	27	7	22	6	7	25	109
Rate Per Acre	\$1.84	\$.75	\$.99	\$1.14	\$1.03	\$1.03	\$1.06	\$1.27	\$1.06
BLADE OR WIDE SWEEPS									
Number Reporting	15	---	3	2	3	6	5	7	41
Rate Per Acre	\$1.39		\$1.65	\$1.83	\$1.75	\$1.65	\$1.67	\$2.05	\$1.64
STALK CUTTING, POWER DRIVEN									
Number Reporting	4	5	31	10	18	5	8	18	99
Rate Per Acre	\$2.12	\$1.52	\$1.79	\$1.83	\$1.77	\$1.60	\$1.78	\$2.10	\$1.84
<u>PLANTING AND SEEDING</u>									
LISTER, AVERAGE ROW SPACING									
Number Reporting	---	4	11	10	16	4	7	10	63
Inches		37.5	39.9	38.8	38.8	40.0	38.5	35.1	38.3

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
PLANTING, <u>LISTER</u> WITH FERTILIZER ATTACHMENT <u>WITH</u> BAND APPLICATOR									
Number Reporting	---	4	14	13	14	6	8	8	67
Rate Per Acre		\$3.06	\$2.25	\$2.54	\$2.53	\$2.25	\$1.94	\$2.75	\$2.44
PLANTING, <u>LISTER</u> WITHOUT FERTILIZER ATTACHMENT <u>WITH</u> BAND APPLICATOR									
Number Reporting	1	4	13	10	10	2	5	9	54
Rate Per Acre	\$1.50	\$2.56	\$1.92	\$2.02	\$2.05	\$1.25	\$1.85	\$1.92	\$1.97
PLANTING, <u>LISTER</u> WITH FERTILIZER ATTACHMENT <u>WITHOUT</u> BAND APPLICATOR									
Number Reporting	---	1	13	5	10	2	4	6	42
Rate Per Acre		\$3.50	\$2.12	\$2.54	\$2.10	\$2.18	\$1.93	\$2.04	\$2.17
PLANTING, <u>LISTER</u> WITHOUT FERTILIZER ATTACHMENT <u>WITHOUT</u> BAND APPLICATOR									
Number Reporting	---	2	13	7	14	2	5	8	51
Rate Per Acre		\$2.75	\$1.82	\$1.95	\$1.65	\$1.50	\$1.65	\$1.94	\$1.82
SURFACE PLANTING AVERAGE ROW SPACING									
Number Reporting	---	1	22	8	16	1	2	16	66
Inches		30.0	38.9	37.3	36.5	40.0	34.0	35.3	37.0
PLANTING, <u>SURFACE</u> WITH FERTILIZER ATTACHMENT <u>WITH</u> BAND APPLICATOR									
Number Reporting	---	2	22	11	21	2	4	17	79
Rate Per Acre		\$2.25	\$1.95	\$2.34	\$2.48	\$2.30	\$1.98	\$2.34	\$2.25

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
PLANTING, <u>SURFACE</u> WITHOUT FERTILIZER									
ATTACHMENT WITH BAND APPLICATOR									
Number Reporting	1	2	20	8	12	1	4	11	59
Rate Per Acre	\$1.00	\$1.88	\$1.61	\$1.94	\$2.08	\$1.40	\$1.64	\$2.09	\$1.84
PLANTING, <u>SURFACE</u> WITH FERTILIZER									
ATTACHMENT WITHOUT BAND APPLICATOR									
Number Reporting	---	1	20	4	13	2	2	8	50
Rate Per Acre	---	\$2.00	\$1.81	\$2.25	\$2.08	\$1.93	\$1.45	\$2.20	\$1.97
PLANTING, <u>SURFACE</u> WITHOUT FERTILIZER									
ATTACHMENT WITHOUT BAND APPLICATOR									
Number Reporting	---	2	23	4	14	1	2	10	56
Rate Per Acre	---	\$1.43	\$1.50	\$1.86	\$1.78	\$1.80	\$1.28	\$1.84	\$1.65
TILL PLANTING, AVERAGE ROW SPACING									
Number Reporting	---	---	7	4	4	2	2	3	22
Inches	---	---	39.7	39.5	35.0	35.0	38.0	30.0	36.9
PLANTING, <u>TILL-PLANTER</u> WITH FERTILIZER									
ATTACHMENT WITH BAND APPLICATOR									
Number Reporting	---	---	9	4	6	3	2	2	26
Rate Per Acre	---	---	\$2.71	\$3.31	\$2.88	\$2.17	\$1.88	\$3.75	\$2.79
PLANTING, <u>TILL-PLANTER</u> WITHOUT FERTILIZER									
ATTACHMENT WITH BAND APPLICATOR									
Number Reporting	---	---	8	2	5	2	2	3	22
Rate Per Acre	---	---	\$2.31	\$3.00	\$2.30	\$1.63	\$1.85	\$2.92	\$2.35

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
PLANTING, <u>TILL-PLANTER</u> WITH FERTILIZER									
ATTACHMENT WITHOUT BAND APPLICATOR									
Number Reporting	---	---	6	3	4	1	2	1	17
Rate Per Acre			\$2.29	\$2.75	\$2.25	\$1.80	\$1.78	\$3.50	\$2.34
PLANTING, <u>TILL-PLANTER</u> WITHOUT FERTILIZER									
ATTACHMENT WITHOUT BAND APPLICATOR									
Number Reporting	---	---	5	2	4	1	1	2	15
Rate Per Acre			\$2.05	\$2.75	\$1.81	\$1.40	\$1.20	\$2.50	\$2.04
PLANTING, <u>SOYBEANS</u> , AVERAGE ROW SPACING									
Number Reporting	---	---	11	3	14	---	---	8	37
Inches			39.0	39.3	36.2			35.7	37.3
PLANTING, <u>SOYBEANS</u> WITH FERTILIZER									
ATTACHMENT WITH BAND APPLICATOR									
Number Reporting	---	---	13	3	16	---	2	8	42
Rate Per Acre			\$1.79	\$3.58	\$2.39		\$2.13	\$2.50	\$2.33
PLANTING, <u>SOYBEANS</u> WITHOUT FERTILIZER									
ATTACHMENT WITH BAND APPLICATOR									
Number Reporting	---	---	11	4	12	---	1	8	36
Rate Per Acre			\$1.63	\$2.63	\$2.21		\$2.00	\$1.97	\$2.05
PLANTING, <u>SOYBEANS</u> WITH FERTILIZER									
ATTACHMENT WITHOUT BAND APPLICATOR									
Number Reporting	---	---	7	3	9	1	---	4	24
Rate Per Acre			\$1.89	\$3.08	\$2.19	\$2.00		\$2.25	\$2.22

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
PLANTING, SOYBEANS WITHOUT FERTILIZER ATTACHMENT WITHOUT BAND APPLICATOR									
Number Reporting	1	1	11	3	14	---	---	8	38
Rate Per Acre	\$1.50	\$2.50	\$1.74	\$2.67	\$1.90	---	---	\$1.94	\$1.98
PLANTING SUGAR BEETS									
Number Reporting	2	---	---	2	1	---	---	---	5
Rate Per Acre	\$2.50	---	---	\$3.60	\$4.00	---	---	---	\$3.24
PLANTING, POTATOES									
Number Reporting	1	---	1	2	1	---	---	---	5
Rate Per Acre	\$3.00	---	\$3.00	\$4.25	\$5.00	---	---	---	\$3.90
<u>CULTIVATING</u>									
CULTIVATING ROW CROPS WITH FERTILIZER ATTACHMENT									
Number Reporting	---	---	13	3	7	1	4	8	36
Rate Per Acre	---	---	\$1.73	\$1.90	\$1.89	\$1.25	\$1.56	\$1.96	\$1.80
CULTIVATING ROW CROPS WITHOUT FERTILIZER ATTACHMENT									
Number Reporting	2	5	29	13	23	2	10	22	106
Rate Per Acre	\$2.00	\$1.85	\$1.38	\$1.57	\$1.57	\$1.75	\$1.50	\$1.72	\$1.57
DRILLING, SMALL GRAINS WITHOUT FERTILIZER ATTACHMENT									
Number Reporting	25	5	19	10	19	8	8	19	113
Rate Per Acre	\$1.30	\$1.51	\$1.49	\$1.59	\$1.45	\$1.45	\$1.38	\$1.49	\$1.44

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
DRILLING, SMALL GRAINS WITH FERTILIZER ATTACHMENT									
Number Reporting	2	---	12	2	5	2	3	9	35
Rate Per Acre	\$2.25		\$1.78	\$2.55	\$1.65	\$1.43	\$1.28	\$1.58	\$1.72
<u>FERTILIZING</u>									
FERTILIZING, DRY MATERIAL									
Number Reporting	10	5	36	15	29	5	14	34	148
Rate Per Acre	\$1.15	\$.96	\$.88	\$1.00	\$.98	\$.95	\$.71	\$.94	\$.93
FERTILIZING, LIQUID MATERIAL									
Number Reporting	4	4	40	16	42	4	14	30	154
Rate Per Acre	\$1.19	\$1.13	\$1.11	\$1.19	\$1.21	\$1.13	\$1.03	\$1.04	\$1.13
FERTILIZING, ANHYDROUS AMMONIA									
Number Reporting	9	9	58	31	91	10	29	62	299
Rate Per Acre	\$1.48	\$1.53	\$1.41	\$1.56	\$1.60	\$1.58	\$1.46	\$1.66	\$1.55
<u>SPRAYING FOR INSECT, DISEASE, AND WEED CONTROL</u> (Rates do not include material)									
SPRAYING FOR WEED CONTROL									
Number Reporting	17	7	52	19	62	8	20	44	229
Rate Per Acre	\$1.35	\$1.11	\$1.19	\$1.27	\$1.09	\$1.31	\$1.17	\$1.32	\$1.21
GROUND APPLICATION OF INSECTICIDE OR FUNGICIDE TO CROPS									
Number Reporting	9	1	8	6	16	2	3	13	58
Rate Per Acre	\$1.06	\$1.00	\$1.22	\$1.31	\$1.30	\$.90	\$1.22	\$1.35	\$1.24

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
AERIAL APPLICATION OF INSECTICIDE OR FUNGICIDE TO CROPS									
Number Reporting	11	4	12	13	27	10	21	11	109
Rate Per Acre	\$1.49	\$1.06	\$1.47	\$1.80	\$2.02	\$1.69	\$1.89	\$1.62	\$1.75
SPRAYING CATTLE									
Number Reporting	5	5	24	11	11	5	11	10	82
Rate Per Head	\$.24	\$.23	\$.22	\$.26	\$.23	\$.26	\$.29	\$.21	\$.24
DIPPING SHEEP									
Number Reporting	1	---	3	2	3	1	---	3	13
Rate Per Head	\$.20		\$.27	\$.20	\$.23	\$.20		\$.28	\$.23
SPRAYING GRAIN BINS									
Number Reporting	---	---	2	1	1	---	4	1	9
Rate Per Bushel			\$.011	\$.010	\$.010		\$.015	\$.010	\$.012
FUMIGATING GRAIN BINS									
Number Reporting	---	---	1	2	2	1	4	3	13
Rate Per Bushel			\$.008	\$.010	\$.010	\$.008	\$.010	\$.017	\$.011
<u>HARVESTING SMALL GRAIN AND SEED</u>									
COMBINING SMALL GRAIN									
Number Reporting	40	10	86	40	113	24	35	76	424
Rate Per Acre (Flat Charge)	\$3.64	\$3.86	\$4.50	\$4.33	\$5.12	\$3.67	\$3.67	\$4.69	\$4.47

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
COMBINING SMALL GRAIN									
CHARGE PER ACRE (No hauling)									
Plus Added Rates For Yield									
Number Reporting	54	1	5	16	10	32	34	24	176
Minimum Charge Per Acre	\$3.41	\$4.00	\$4.90	\$3.47	\$4.75	\$3.58	\$3.53	\$3.80	\$3.64
Plus Extra Per Bushel Charge of	\$.054	\$.05	\$.052	\$.052	\$.049	\$.05	\$.051	\$.061	\$.053
On Portion of Yield Above	21 bu.	25 bu.	46 bu.	23 bu.	37 bu.	23 bu.	21 bu.	31 bu.	25 bu.
WINDROWING SMALL GRAIN CROPS									
Number Reporting	51	6	68	16	20	15	19	19	214
Rate Per Acre	\$1.84	\$1.71	\$1.77	\$2.53	\$2.28	\$2.07	\$2.32	\$2.75	\$2.04
<u>HARVESTING GRAIN SORGHUM</u>									
COMBINING GRAIN SORGHUM									
Number Reporting	14	13	72	35	125	22	39	83	402
Rate Per Acre (Flat Charge)	\$3.69	\$4.88	\$5.24	\$5.23	\$5.61	\$3.89	\$3.98	\$5.14	\$5.08
COMBINING GRAIN SORGHUM									
Plus Added Rates For Yields									
Number Reporting	17	1	16	16	27	22	32	40	171
Minimum Rate Per Acre	\$3.27	\$6.00	\$5.14	\$4.56	\$5.05	\$3.61	\$3.56	\$4.51	\$4.25
Plus Extra Per Bushel Charge of	\$.046	\$.01	\$.037	\$.054	\$.042	\$.05	\$.052	\$.06	\$.05
On Portion of Yield Above	21 bu.	60 bu.	53 bu.	51 bu.	58 bu.	23 bu.	33 bu.	50 bu.	42 bu.
<u>HARVESTING LEGUMES, GRASS SEED AND SUGAR BEETS</u>									
COMBINING ALFALFA OR CLOVER									
Number Reporting	5	9	26	5	11	4	2	20	82
Rate Per Acre	\$4.50	\$4.00	\$5.44	\$5.40	\$5.86	\$8.25	\$4.50	\$5.51	\$5.41

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
COMBINING ALFALFA OR CLOVER FOR SHARE OF CROP									
Number Reporting	5	7	12	5	3	3	2	12	49
% of Crop	50	50	49	50	45	50	42	49	49
COMBINING SOYBEANS									
Number Reporting	---	2	83	19	90	---	9	49	252
Rate Per Acre		\$5.00	\$5.07	\$6.07	\$5.57		\$5.31	\$5.65	\$5.44
COMBINING GRASS SEED									
Number Reporting	2	---	17	2	5	1	1	12	40
Rate Per Acre	\$3.75		\$5.09	\$5.50	\$6.00	\$7.00	\$7.00	\$5.42	\$5.35
COMBINING DRY EDIBLE BEANS									
Number Reporting	10	---	---	---	---	---	---	---	10
Rate Per Bushel	\$.265								\$.265
CUTTING DRY EDIBLE BEANS									
Number Reporting	7	---	---	---	---	---	---	---	7
Rate Per Acre	\$2.79								\$2.79
WINDROWING DRY EDIBLE BEANS									
Number Reporting	7	---	---	---	---	---	---	---	7
Rate Per Acre	\$1.29								\$1.29
TOP AND LIFT SUGAR BEETS									
Number Reporting	11	---	1	---	---	1	---	---	13
Rate Per Ton	\$1.66		\$1.50			\$1.25			\$1.62

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
TOPPING AND WINDROWING SUGAR BEET TOPS									
Number Reporting	9	---	---	---	---	1	---	---	10
Rate Per Ton	\$1.28					\$1.00			\$1.26
CHOP, HAUL AND STACK SUGAR BEET TOPS									
Number Reporting	1	---	---	---	---	---	---	---	1
Rate Per Ton	\$2.75								\$2.75
<u>HARVESTING CORN (No Hauling)</u>									
PICKING EAR CORN									
Number Reporting	16	21	78	27	66	12	14	46	280
Rate Per Acre	\$8.28	\$4.98	\$4.77	\$6.09	\$5.28	\$4.29	\$5.43	\$4.94	\$5.27
PICKING EAR CORN									
Number Reporting	3	2	4	12	23	2	5	32	83
Rate Per Bushel	\$.07	\$.09	\$.077	\$.08	\$.089	\$.09	\$.072	\$.093	\$.087
PICKING & SHELLING CORN (Or Combining)									
Number Reporting	6	12	40	20	58	24	16	32	208
Rate Per Acre		\$8.08	\$5.97	\$7.23	\$7.03	\$5.98	\$6.91	\$6.83	\$6.87
PICKING & SHELLING CORN (Or Combining)									
Number Reporting	11	4	9	27	44	23	33	47	198
Rate Per Bushel	\$.108	\$.08	\$.097	\$.085	\$.095	\$.089	\$.084	\$.096	\$.092
PICKING & SHELLING CORN (Or Combining) REGARDLESS OF YIELD									
Number Reporting	---	6	51	14	53	7	6	14	151
Rate Per Acre		\$5.67	\$5.03	\$5.14	\$5.39	\$4.14	\$5.75	\$5.36	\$5.21
Plus Charge Per Bushel		.034	.024	.029	.023	.041	.036	.028	.026

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
PICKING & SHELLING CORN (Or Combining)									
EXTRA CHARGE FOR HIGH YIELDS									
Number Reporting	---	1	14	3	18	10	5	22	73
Rate Per Acre		\$10.00	\$5.36	\$7.17	\$6.03	\$4.65	\$4.80	\$6.50	\$5.87
Extra Charge Per Bushel		\$.03	\$.052	\$.093	\$.045	\$.06	\$.041	\$.074	\$.059
Portion of Yield Over (bu.)		150	59	73	75	32	62	65	62

HARVESTING AND HANDLING HAY

MOWING

Number Reporting	5	22	35	9	34	6	13	31	155
Rate Per Acre	\$1.05	\$1.40	\$1.23	\$1.47	\$1.43	\$1.67	\$1.47	\$1.59	\$1.42

RAKING

Number Reporting	4	17	29	9	29	5	13	27	133
Rate Per Acre	\$.81	\$.80	\$.94	\$1.33	\$1.04	\$1.10	\$1.00	\$1.10	\$1.01

MOW AND WINDROW

Number Reporting	20	15	39	12	17	16	19	23	161
Rate Per Acre	\$2.10	\$1.93	\$1.88	\$2.49	\$2.50	\$2.19	\$2.63	\$2.72	\$2.26

CRUSHING OR CRIMPING

Number Reporting	3	---	18	6	16	4	10	16	73
Rate Per Acre	\$1.16		\$1.36	\$1.73	\$1.54	\$1.31	\$1.03	\$2.23	\$1.57

MOW, CRUSH OR CRIMP AND WINDROW

Number Reporting	18	4	31	15	34	19	27	42	190
Rate Per Acre	\$2.89	\$2.75	\$2.78	\$2.53	\$3.12	\$2.54	\$2.65	\$3.26	\$2.90

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
BALING, SQUARE BALE, TWINE									
Number Reporting	35	24	81	29	95	32	35	76	407
Rate Per Bale	\$.126	\$.124	\$.108	\$.115	\$.107	\$.127	\$.12	\$.105	\$.11
BALING, SQUARE BALE, WIRE									
Number Reporting	28	7	68	28	82	18	37	59	327
Rate Per Bale	\$.149	\$.141	\$.127	\$.131	\$.122	\$.139	\$.141	\$.119	\$.129
BALING, ROUND BALE									
Number Reporting	13	22	46	17	22	9	16	42	187
Rate Per Bale	\$.109	\$.106	\$.097	\$.102	\$.099	\$.121	\$.103	\$.103	\$.103
BALE LOADING									
Number Reporting	18	5	18	9	16	8	15	19	108
Rate Per Bale	\$.063	\$.026	\$.033	\$.051	\$.033	\$.069	\$.05	\$.036	\$.045
SWEEPING HAY WITH BACK SWEEP									
Number Reporting	4	5	13	4	7	2	3	3	41
Rate Per Hour	\$5.00	\$4.30	\$3.46	\$4.25	\$4.21	\$3.25	5.08	\$3.33	\$4.02
STACKING HAY, TRACTOR MOUNTED									
Number Reporting	4	10	26	10	6	6	5	3	70
Rate Per Hour	\$5.25	\$5.65	\$4.79	\$4.95	\$4.50	\$4.29	\$4.00	\$5.17	\$4.86
STACK MOVING									
Number Reporting	11	21	53	19	23	5	3	2	137
Rate Per Stack	\$4.18	\$3.90	\$6.21	\$5.71	\$6.94	\$5.60	\$6.67	\$9.25	\$5.78

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
STACK MOVING									
EXTRA CHARGE FOR DISTANCE									
Number Reporting	8	17	50	18	14	3	2	---	112
Rate Per Stack	\$4.12	\$4.15	\$6.09	\$6.11	\$6.32	\$6.00	\$8.50		\$5.73
Extra Charge Per Mile of...	.81	.78	.78	.77	.74	1.00	1.00		.78
<u>MAKING SILAGE</u>									
ALL LABOR, MACHINERY & FILL									
Number Reporting	8	2	10	2	3	3	2	5	35
Rate Per Acre	\$15.87	\$8.50	\$22.50	\$9.67	\$9.67	\$10.67	\$7.50	\$16.00	\$12.36
ALL LABOR, MACHINERY & FILL									
Number Reporting	1	2	11	6	10	1	13	8	52
Rate Per Hour	\$30.00	\$13.00	\$19.27	\$19.83	\$16.50	\$30.00	\$21.23	\$20.50	\$19.65
FIELD CHOPPING & TWO WAGONS									
Number Reporting	6	11	14	3	11	1	2	4	52
Rate Per Acre	\$7.58	\$6.77	\$7.64	\$14.00	\$10.73	\$13.50	\$9.00	\$8.62	\$8.71
FIELD CHOPPING & TWO WAGONS									
Number Reporting	---	7	27	5	23	---	14	27	103
Rate Per Hour		\$8.57	\$10.57	\$10.10	\$11.67		\$11.54	\$11.85	\$11.13
FIELD CHOPPING ONLY									
Number Reporting	7	4	14	4	9	2	4	4	48
Rate Per Acre	\$8.93	\$5.75	\$6.89	\$11.50	\$9.00	\$7.00	\$7.13	\$7.25	\$7.93

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
FIELD CHOPPING ONLY									
Number Reporting	---	5	21	9	16	---	15	19	85
Rate Per Hour		\$7.40	\$9.19	\$9.33	\$9.09		\$12.43	\$9.76	\$9.78
HAULING SILAGE BY TRUCK									
Number Reporting	1	1	11	7	7	4	7	8	46
Rate Per Hour	\$4.00	\$3.00	\$5.92	\$4.57	\$5.93	\$4.50	\$6.07	\$4.19	\$5.21
<u>TRUCKING AND HAULING (ONE WAY)</u>									
TRUCKING SUGAR BEETS									
Number Reporting	4	---	2	---	---	---	---	---	6
Rate Per Ton	\$.85		\$2.12						\$1.27
Average Number of Miles	45		16						35
TRUCKING GRAIN									
Number Reporting	35	5	34	24	70	17	27	43	255
Rate Per Bushel	\$.048	\$.044	\$.029	\$.038	\$.025	\$.046	\$.035	\$.031	\$.034
Average Number of Miles	7		8	9	7	6	6	8	7
TRUCKING GRAIN EXTRA CHARGE FOR DISTANCE									
Number Reporting	35	5	34	22	70	16	25	43	250
Rate Per Bushel	\$.049	\$.044	\$.029	\$.037	\$.025	\$.046	\$.034	\$.031	\$.034
Extra Charge Per Mile	\$.006		\$.005	\$.007	\$.005	\$.008	\$.007	\$.005	\$.006
Average Number of Miles	7		8	9	7	6	6	8	7

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
TRUCKING LIVESTOCK									
Number Reporting	4	3	29	2	18	2	---	13	71
Rate Per Cwt.	\$.185	\$.417	\$.203	\$.325	\$.227	\$.525	---	\$.288	\$.266
Average Number of Miles	71	143	72	150	75	277	---	103	86
OTHER CUSTOM OPERATIONS									
DRYING GRAIN (Exclude Hauling)									
3-5% MOISTURE REMOVED									
Number Reporting	1	---	7	7	12	5	5	11	48
Rate Per Bushel	\$.06	---	\$.048	\$.037	\$.039	\$.039	\$.04	\$.048	\$.043
DRYING GRAIN									
6-8% MOISTURE REMOVED									
Number Reporting	1	2	8	8	13	4	6	10	52
Rate Per Bushel	.05	.07	.067	.06	.058	.058	.056	.062	.061
DRYING GRAIN									
9-11% MOISTURE REMOVED									
Number Reporting	---	1	6	6	14	3	7	10	47
Rate Per Bushel	---	.10	.076	.08	.073	.083	.071	.089	.079
DRYING GRAIN									
12% OR MORE MOISTURE REMOVED									
Number Reporting	---	---	8	8	8	3	6	6	39
Rate Per Bushel	---	---	.085	.086	.077	.077	.078	.095	.084
CLEANING SEED									
Number Reporting	27	1	14	6	30	10	10	26	124
Rate Per Bushel	.077	.15	.093	.113	.097	.097	.082	.097	.092

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
TREATING SEED (Exclude Chemical)									
Number Reporting	9	---	8	1	7	8	7	13	54
Rate Per Bushel	.048		.044	.02	.04	.062	.043	.041	.047
SHELLING CORN									
Number Reporting	6	11	69	29	75	13	24	53	280
Rate Per Bushel	.043	.035	.028	.032	.024	.029	.026	.029	.028
ELEVATING GRAIN									
Number Reporting	2	2	12	11	12	3	4	14	60
Rate Per Bushel	.02	.015	.013	.014	.011	.013	.009	.013	.013
FEED GRINDING & MIXING ON FARM									
Number Reporting	3	---	13	7	11	1	3	7	45
Rate Per Ton	\$3.80		\$3.19	\$3.33	\$3.80	\$5.00	\$5.17	\$3.07	\$3.56
FEED GRINDING & MIXING ON FARM									
Number Reporting	2	2	38	13	16	3	2	15	91
Rate Per Batch (50-75 Bushel)	\$6.00	\$4.25	\$4.54	\$5.70	\$4.97	\$5.00	\$5.25	\$4.70	\$4.86
FEED GRINDING & MIXING OFF FARM									
Number Reporting	6	---	9	3	3	3	6	6	36
Rate Per Ton	\$3.00		\$2.72	\$2.83	\$2.97	\$3.13	\$2.28	\$2.38	\$2.70
FEED GRINDING & MIXING OFF FARM									
Number Reporting	---	---	6	4	2	2	3	9	26
Rate Per Batch (50-75 Bushel)			\$4.66	\$5.25	\$4.00	\$3.70	\$3.17	\$3.79	\$4.15

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS

DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
PELLETING FEED EXCLUDING FEED & ACTIVITIES									
Number Reporting	---	---	6	1	2	---	1	4	14
Rate Per Ton			\$4.17	\$6.00	\$6.00		\$3.00	\$3.87	\$4.39
CHOPPING DRY HAY									
Number Reporting	2	3	16	10	18	3	7	6	65
Rate Per Hour	\$21.50	\$14.00	\$15.53	\$21.00	\$9.64	\$9.00	\$10.64	\$10.67	\$13.58
LOADING MANURE									
Number Reporting	2	3	16	6	15	---	8	13	63
Rate Per Hour	\$3.00	\$4.17	\$4.61	\$4.58	\$5.23		\$4.75	\$3.17	\$4.63
HAULING & SPREADING DRY MANURE									
Number Reporting	1	---	7	3	5	---	2	5	23
Rate Per Hour	\$2.50		\$4.09	\$3.83	\$4.75		\$2.75	\$3.00	\$3.68
HAULING & SPREADING LIQUID MANURE									
Number Reporting	---	---	1	1	1	---	---	1	4
Rate Per Hour			\$6.10	\$3.00	\$4.00			\$2.25	\$3.84
CHAIN SAWING									
Number Reporting	2	2	14	6	15	1	2	20	62
Rate Per Hour	\$4.25	\$2.75	\$4.66	\$3.50	\$4.23	\$2.00	\$5.75	\$3.53	\$3.99
DIGGING POST HOLES									
Number Reporting	6	7	38	14	32	4	13	45	159
Rate Per Hole	\$.13	\$.12	\$.12	\$.14	\$.12	\$.11	\$.13	\$.12	\$.12

NUMBER REPORTING AND RATE PER UNIT IN DOLLARS
DISTRICTS

ITEM	NW	N	NE	C	E	SW	S	SE	STATE
TRACTOR RENT 30-49.9 PTO OR BELT H.P.									
Number Reporting	1	4	14	6	6	---	5	13	49
Rate Per Hour	\$2.00	\$3.25	\$2.40	\$2.63	\$2.50		\$2.15	\$2.65	\$2.54
TRACTOR RENT 50-69.9 PTO OR BELT H.P.									
Number Reporting	4	4	15	6	10	1	7	15	60
Rate Per Hour	\$3.63	\$4.50	\$2.93	\$3.46	\$3.13	\$3.00	\$2.82	\$3.20	\$3.17
TRACTOR RENT 70 AND ABOVE PTO OR BELT H.P.									
Number Reporting	4	1	14	5	11	1	10	15	61
Rate Per Hour	\$5.63	\$4.00	\$3.93	\$4.35	\$3.52	\$4.00	\$3.70	\$4.20	\$4.03

PLANTING, Narrow Row Versus Wide Row, State Averages Only

	Corn and Sorghum								Planting Soybeans							
	Lister Planting				Surface Planting				Till Planting				All Methods			
	Row		Row		Row		Row		Row		Row		Row		Row	
	Space	Rate	Space	Rate	Space	Rate	Space	Rate	Space	Rate	Space	Rate	Space	Rate	Space	Rate
	Under	Per	Over	Per	Under	Per	Over	Per	Under	Per	Over	Per	Under	Per	Over	Per
	35"	A.	35"	A.	35"	A.	35"	A.	35"	A.	35"	A.	35"	A.	35"	A.
	Inches	\$	Inches	\$	Inches	\$	Inches	\$	Inches	\$	Inches	\$	Inches	\$	Inches	\$
With band applicator for herbicide &/or insecticide with fertilizer attachm ^t .	(5)		(42)		(20)		(44)		(5)		(15)		(9)		(23)	
	31	\$3.35	39	\$2.49	30	\$2.66	40	\$2.21	28	\$3.15	40	\$2.64	30	\$2.47	40	\$2.35
With band applicator for herbicide &/or insecticide without fertilizer attachm ^t .	(4)		(33)		(17)		(35)		(5)		(13)		(9)		(21)	
	30	2.50	39	2.10	30	2.22	40	1.74	29	2.65	40	2.21	31	2.28	40	1.93
Without band applicator for herbicide or insecticide with fertilizer attachm ^t .	(2)		(30)		(13)		(30)		(3)		(10)		(6)		(17)	
	30	2.75	39	2.37	30	2.20	40	1.98	27	2.67	39	2.31	31	2.29	40	2.18
Without band applicator for herbicide or insecticide without fertilizer attachm ^t .	(3)		(33)		(13)		(30)		(3)		(10)		(9)		(21)	
	30	2.17	39	1.91	30	1.88	40	1.64	27	2.00	40	2.07	30	2.19	40	1.93

() Number Reporting

THE COST OF MACHINE OWNERSHIP VS. CUSTOM HIRE

The following form may be used in determining the annual ownership and operating costs of owning machinery. Consider the purchase of a self-propelled combine at a conservative cost of \$10,000. The machine will have a life of 8 years and a salvage value of \$1,000.

HOW TO FIGURE FOR ANY MACHINE:

A. Annual "Fixed Ownership Costs" ¹	<u>EXAMPLE</u>	<u>ANY MACHINE</u>
1. Depreciation = $\frac{\text{cost} - \text{salvage}}{\text{life (years)}}$ or $\frac{\$10,000 - 1,000}{8}$	\$1,125	_____
2. Interest = $\frac{\text{new cost} + \text{salvage}}{2} \times 8\%$ or $\frac{\$10,000 + 1,000}{2} \times 8\%$	440	_____
3. Housing, insurance, taxes -- (3% of new cost)	300	_____
4. Repairs -- (4% of new cost)	400	_____
TOTAL ANNUAL OWNERSHIP COST	\$2,265	_____
B. "Variable or Operating Costs" per acre: ²		
1. Fuel and Lubricants31	_____
2. Labor60	_____
TOTAL VARIABLE COST PER ACRE91	_____

Use the following formula to determine on how many acres of small grain crops a machine must be used to break even with the going custom rate.

$$\frac{\text{Annual Ownership Costs}}{\text{Custom Rate} - \text{Variable Costs}} = \text{ACRES NEEDED TO BREAK EVEN}$$

Example: Using the average custom rates for the state of approx. \$4.50 per acre,³ determine the acres needed to break even on harvesting small grain. This break-even figure compares the ownership costs of your combine and costs of having the crops harvested by a custom operator.

$$\frac{\text{Annual Ownership Costs } \$2,265}{\text{Custom Rate } \$4.50 - \text{Variable Costs } \$.91} = 631 \text{ acres needed to break even}$$

1. D. Leo Figurski, Machinery Investments, Kansas State Extension Service, MF-187, 1968
and
Schlender and Figurski, Examining Your Machinery Costs, Kansas State Extension Service, C-375, 1967.
2. Greer, Henderson and Schepler, Costs of Owning and Operating Farm Machinery, University of Nebraska Extension Circular, E.C. 69-836, 1969.
3. Custom rates as shown on pg. 11 "Combining Small Grain" (flat rate per acre).

CONSIDER THESE ADVANTAGES AND
DISADVANTAGES OF FARM MACHINE CUSTOM HIRE

- | | |
|---|---|
| 1. Costs of ownership are eliminated | 1. Service may not be available when job is ready. |
| 2. Capital required to own equipment can be invested in other enterprises. | 2. Irresponsible custom operators may do poor work and lose quantity and quality of products. |
| 3. Some labor is furnished with hired equipment. | 3. Greater risk of crop loss and/or quality because of time delays. |
| 4. Less power and associated equipment must be obtained by the farm operator. | 4. Risk of carrying noxious weeds and diseases from farm to farm. |
| 5. Farmers may benefit from newer machinery, techniques and skilled operation. | 5. For large jobs total cost may be higher than owning equipment. |
| 6. Repairs, maintenance and securing materials is the custom operator's responsibility. | 6. Custom operators prefer large jobs, may refuse or postpone small jobs. |
| 7. Farm operator with smaller jobs can gain benefits of large machines. | 7. Farmers may not be able to realize return on labor released by hiring custom work done. |
| 8. Risk of premature equipment obsolescence is eliminated. | |