Custom Rates
2004

National Agricultural
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Kansas Agricultural
Statistics Service

Fact Finders for Agriculture

Kansas Department of Agriculture

2004
RATES PAID BY KANSAS FARMERS FOR CUSTOM WORK

KANSAS STATISTICAL OFFICE

In Cooperation With

U.S. Department of Agriculture
National Agricultural Statistics Service

Kansas Department of Agriculture
Division of Statistics

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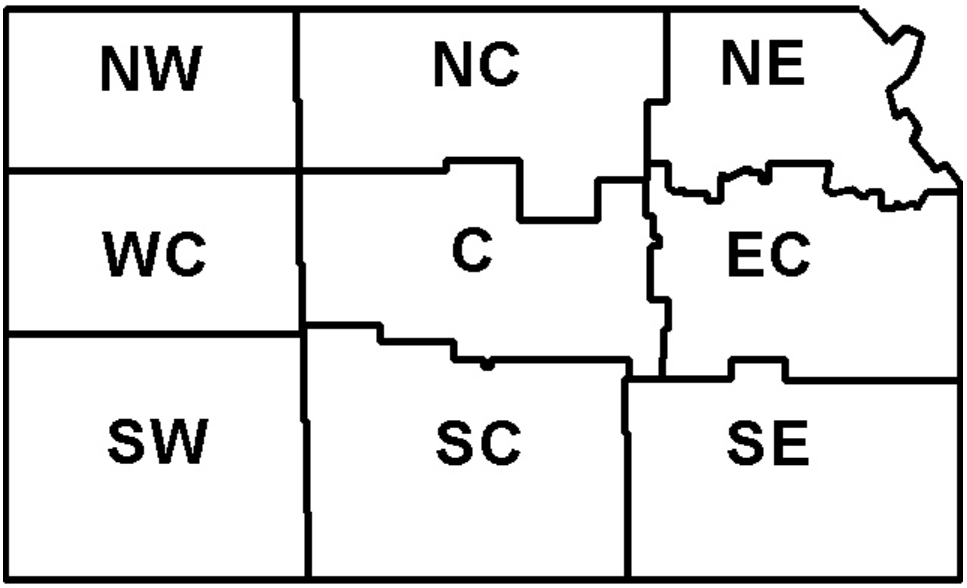
KANSAS DISTRICTS



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INTRODUCTION

This publication reports the average rates paid by Kansas farmers and ranchers for custom work performed on their operation in 2004. A special thanks to the 1,150 farmers and ranchers, custom operators, co-ops, and elevators for their response to this survey. Our appreciation also goes to the Cooperative Extension Service's county agricultural agents who reviewed the questionnaire.

The data in this book provide additional information to custom operators, farmers, and ranchers for making decisions about rate charges. The prices reported here should not be regarded as official or established rates. The average figures in this book give equal weight to all reports received.

The prices in this book include charges for machines, power, fuel, and the operator. These prices do not include the costs of chemicals, seeds, and other materials. The one exception is hay baling materials. Exchange work between farmers is not considered custom work.

There are large variations in the rates charged for specific jobs. For many items, the State averages may not be typical of any particular locale. There are many reasons for price differences. Some farmers may charge lower prices to neighbors, relatives, or close friends. Soil conditions and field sizes are also significant factors. Rates are often lower in western Kansas where the larger farms are well suited to extensive operation with heavy equipment.

The average custom rates charged in 2004 are generally similar to those reported in 2003. Of the almost 130 custom work items or machinery rentals in this report, 76 increased in price, 8 were unchanged, and 43 decreased in price. The report contains historical tables and graphs which show the results of previous surveys.

In the past year, we have received many comments about the Custom Rates report from the agricultural community. We appreciate this feedback and encourage readers to continue sharing their ideas and suggestions regarding this survey.

GRAIN HARVESTING

WHEAT: Custom rates for harvesting wheat averaged $14.48 per acre with, in most cases, an additional average charge of 13.6 cents per bushel for yields greater than 21 bushels per acre. The per acre rate is up 44 cents from last year. Some respondents reported a flat rate per bushel harvesting charge but there were too few reports to publish the data.

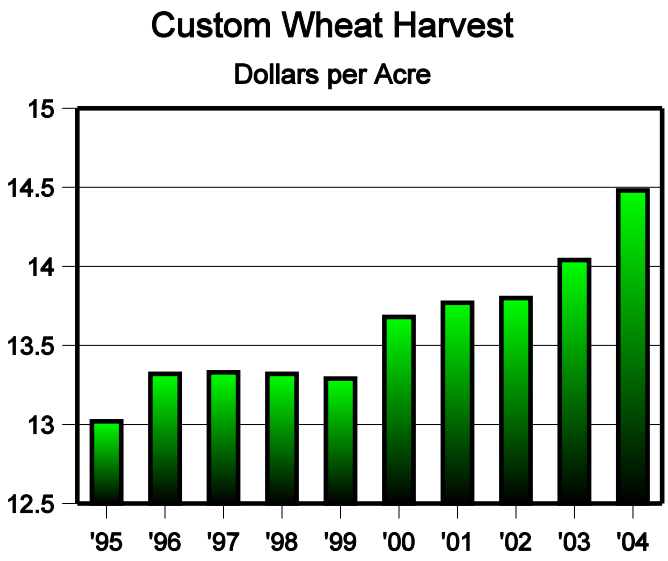
Custom Rates for Wheat Harvest, 2004, by District

District	Number of Reports 1/	Dollars per Acre		Number of Reports 1/	Extra Charge for High Yield	
		Range	Avg.		¢ per Bushel	Above Bushels
NW	50	10.00-15.00	13.94	45	13.6	21
WC	41	11.00-15.00	13.54	39	13.3	21
SW	47	10.00-16.00	13.57	41	13.4	21
NC	46	12.00-16.00	13.93	42	13.9	21
C	61	12.00-16.00	13.89	56	13.4	21
SC	99	12.00-16.00	13.97	91	13.7	22
NE	29	13.00-25.00	16.62	15	13.9	20
EC	30	13.00-25.00	18.30	4	14.0	21
SE	31	12.00-20.00	15.90	7	13.3	24
STATE	434	10.00-25.00	14.48	340	13.6	21

1/ Reports are counted in each district where combining was done; thus some reports are included in more than one district.

Custom Wheat Harvest Historical Rates

Year	Dollars Per Acre	Extra Charge for High Yield	
		¢ per Bushel	Above Bushels
1988	12.66	11.6	21
1989	12.71	11.6	21
1990	12.83	11.8	21
1991	12.74	11.8	21
1992	12.90	12.1	21
1993	13.05	12.1	20
1994	13.03	12.2	21
1995	13.02	12.2	20
1996	13.32	12.4	20
1997	13.33	12.6	21
1998	13.32	12.6	21
1999	13.29	12.6	21
2000	13.68	12.8	21
2001	13.77	13.1	20
2002	13.80	13.1	22
2003	14.04	13.6	23
2004	14.48	13.6	21



GRAIN HARVESTING (Continued)

GRAIN SORGHUM: Custom rates charged for harvesting of grain sorghum averaged $15.27 per acre, an increase of 8 cents from last year. Additional charges averaged 13.5 cents per bushel for yields over 36 bushels per acre. Some respondents reported a flat rate per bushel harvesting charge but there were too few reports to publish the data.

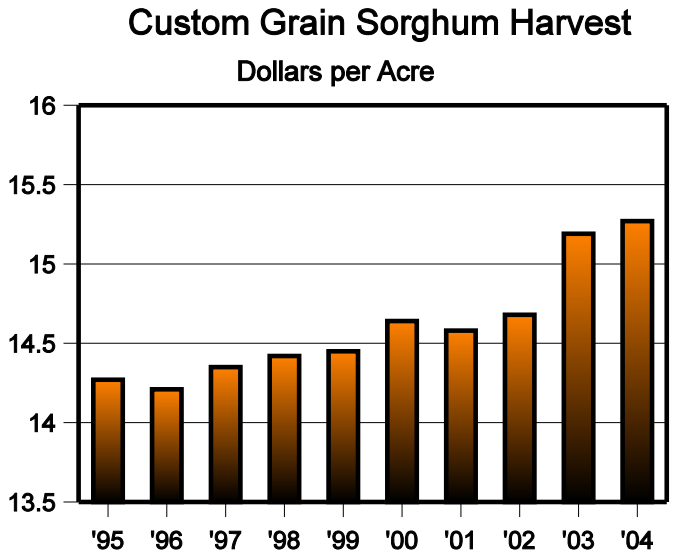
Custom Rates for Grain Sorghum Harvest, 2004, by District

District	Number of Reports 1/	Dollars per Acre		Number of Reports 1/	Extra Charge for High Yield	
		Range	Avg.		¢ per Bu.	Above Bushels
NW	26	13.00-20.00	14.46	20	13.6	33
WC	16	12.00-19.00	14.25	15	13.8	39
SW	22	12.00-21.00	14.64	20	13.5	31
NC	25	12.00-20.00	14.32	22	13.1	37
C	33	12.00-25.00	14.96	25	13.8	36
SC	39	12.00-25.00	15.10	28	13.3	34
NE	16	13.00-25.00	18.06	2/		
EC	10	14.00-22.00	18.80	2/		
SE	15	12.00-20.00	16.07	5	13.8	44
STATE	202	12.00-25.00	15.27	140	13.5	36

1/ Reports are counted in each district where combining was done; thus some reports are included in more than one district. 2/ Insufficient number of reports; included in State total.

Custom Grain Sorghum Harvest Historical Rates

Year	Dollars Per Acre	Extra Charge for High Yield	
		¢ per Bushel	Above Bushels
1988	13.61	11.9	32
1989	13.58	11.3	34
1990	14.23	11.6	36
1991	13.50	11.8	33
1992	14.15	11.8	36
1993	14.62	12.0	34
1994	14.27	12.0	35
1995	14.27	11.9	36
1996	14.21	12.3	36
1997	14.35	12.5	37
1998	14.42	12.4	37
1999	14.45	12.7	36
2000	14.64	12.6	34
2001	14.58	12.9	35
2002	14.68	13.0	35
2003	15.19	13.7	35
2004	15.27	13.5	36



GRAIN HARVESTING (Continued)

CORN: Custom harvestors charged a flat rate of 24 cents per bushel in 2004, unchanged from the past two years. The per acre charge to have corn custom harvested was $20.09 per acre with some operators adding an average extra charge of 14.3 cents per bushel for yields above 76 bushels per acre. This is an increase of 59 cents per acre from the previous year.

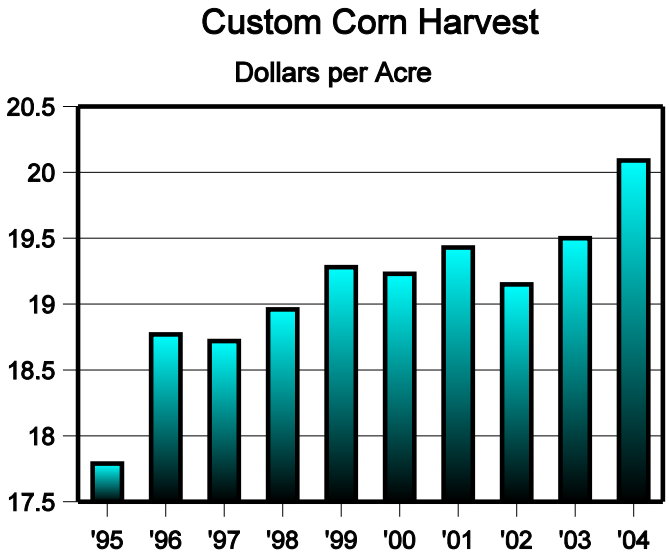
Custom Rates for Corn Harvest, 2004, by District

Dist.	Flat Rate Charge			Per Acre Charge					
	Number of Reports 1/	Cents per Bushel		Number of Reports 1/	Dollars per Acre		Number of Reports 1/	Extra Charge for High Yield	
		Range	Avg.		Range	Avg.		¢ per Bushel	Above Bushels
NW	18	17-30	25	8	13.00-25.00	18.25	5	16.4	54
WC	14	22-33	27	3	15.00-18.00	17.33	2/		
SW	23	13-33	25	3	14.00-18.00	15.00	2/		
NC	9	13-28	22	8	15.00-25.00	20.63	4	15.0	78
C	18	16-30	24	11	18.00-27.00	21.18	5	16.4	95
SC	31	16-33	24	14	15.00-25.00	20.07	5	13.4	75
NE	7	10-28	22	27	17.00-30.00	20.33	4	15.8	81
EC	2/			26	14.00-25.00	21.08	4	9.3	77
SE	2/			17	15.00-22.00	19.53	3	12.3	90
STATE	124	10-33	24	117	13.00-30.00	20.09	33	14.3	76

1/ Reports are counted in districts where combining was done; thus some reports are included in more than one district. 2/ Insufficient number of reports; included in State totals.

Custom Corn Harvest Historical Rates

Year	Dollars per Acre	Extra Charge for High Yield		Flat Rate Charge
		¢ per Bushel	Above Bushels	¢ per Bushel
1988	17.78	12.2	64	22
1989	18.64	13.0	66	19
1990	18.27	12.1	78	21
1991	18.30	9.5	58	21
1992	18.35	10.7	67	22
1993	18.21	11.8	58	21
1994	18.23	10.1	65	22
1995	17.79	12.4	62	21
1996	18.77	12.6	63	23
1997	18.72	12.3	66	23
1998	18.96	12.7	59	23
1999	19.28	12.0	70	24
2000	19.23	14.7	66	23
2001	19.43	11.9	48	23
2002	19.15	14.8	87	24
2003	19.50	14.3	69	24
2004	20.09	14.3	76	24



GRAIN HARVESTING (Continued)

SOYBEANS: The charge to custom harvest soybeans increased by 71 cents per acre to $20.06. Some operators added an extra charge averaging 13.5 cents per bushel for yields above 26 bushels per acre. Some respondents reported a flat rate per bushel harvesting charge but there were too few reports to publish the data.

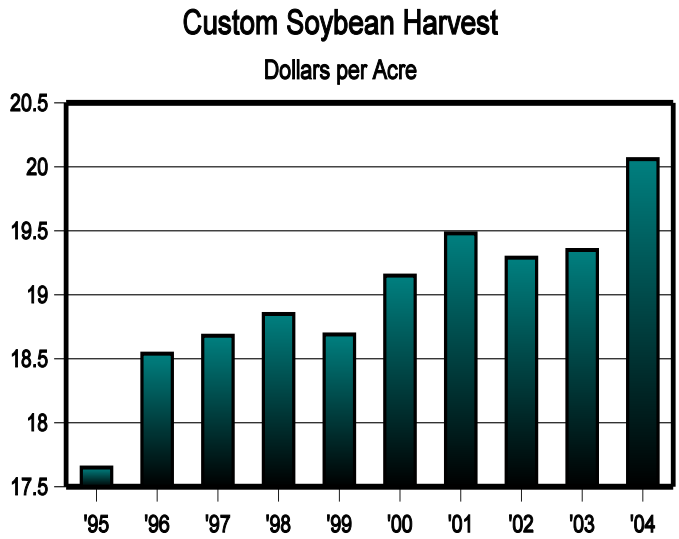
Custom Rates for Soybean Harvest, 2004, by District

District	Number of Reports 1/	Dollars per Acre		Number of Reports 1/	Extra Charge for High Yield	
		Range	Avg.		¢ per Bushel	Above Bushels
NW	21	14.00-30.00	20.66	7	12.1	19
WC	7	13.00-30.00	17.43	6	14.5	29
SW	13	13.00-25.00	20.08	4	13.8	23
NC	20	13.00-30.00	20.85	5	13.8	27
C	32	14.00-30.00	20.34	14	13.1	28
SC	45	14.00-30.00	20.38	15	13.6	28
NE	38	14.00-25.00	21.39	2/		
EC	36	14.00-25.00	20.19	2/		
SE	27	12.00-22.00	16.78	6	15.7	26
STATE	239	12.00-30.00	20.06	60	13.5	26

1/ Reports are counted in each district where combining was done; thus some reports are included in more than one district. 2/ Insufficient number of reports; included in State totals.

Custom Soybean Harvest Historical Rates

Year	Dollars Per Acre	Extra Charge for High Yield	
		¢ per Bushel	Above Bushels
1988	17.31	12.1	24
1989	17.58	12.3	26
1990	17.92	13.0	25
1991	18.07	12.1	22
1992	18.63	12.5	22
1993	17.96	12.5	23
1994	18.15	12.2	25
1995	17.65	12.2	25
1996	18.54	12.7	24
1997	18.68	12.4	26
1998	18.85	12.8	27
1999	18.69	13.0	25
2000	19.15	12.5	25
2001	19.48	12.7	24
2002	19.29	13.4	28
2003	19.35	13.3	26
2004	20.06	13.5	26



GRAIN HARVESTING (Continued)

SUNFLOWERS: Custom harvesting of sunflowers averaged $19.95 per acre in 2004. This compares to the average of $18.90 per acre in 2003.

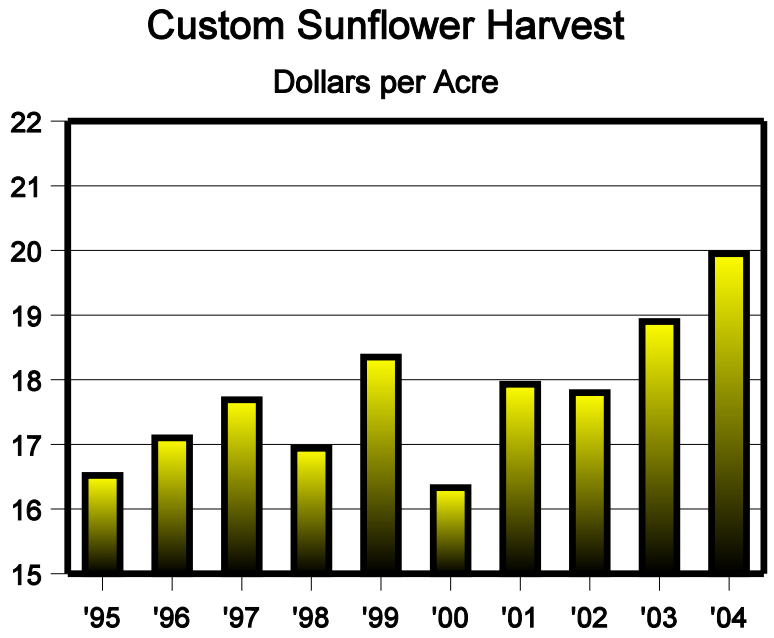
Custom Rates for Sunflower Harvest, 2004, by District

Dist.	Number of Reports 1/	Dollars per Acre	
		Range	Avg.
NW	6	17.00-28.00	20.50
WC	4	18.00-25.00	20.75
SW	6	14.00-25.00	18.83
NC	7	17.00-26.00	20.86
C	7	14.00-26.00	19.29
SC	7	17.00-26.00	20.29
NE	2/		
EC	2/		
SE	2/		
STATE	38	14.00-28.00	19.95

Custom Sunflower Harvest Historical Rates

Year	Dollars per Acre	Extra Charges for High Yield	
		¢ per Cwt.	Above Cwt.
1993	16.06	12.0	27
1994	16.55	11.3	37
1995	16.52	3/	3/
1996	17.10	11.0	30
1997	17.69	11.6	18
1998	16.94	11.9	37
1999	18.35	12.0	34
2000	16.33	12.7	30
2001	17.93	13.8	26
2002	17.80	13.1	21
2003	18.90	13.7	20
2004	19.95	20.3	23

1/ Reports are counted in each district where combining was done; thus, some reports are included in more than one district. 2/ Insufficient number of reports to publish; included in State totals. 3/ Insufficient data to publish.



SEED CLEANING

Wheat seed cleaning with treatment averaged 82 cents per bushel. Rates for cleaning wheat without treatment averaged 47 cents per bushel. The average cost for cleaning soybeans with treatment was 96 cents per bushel, while the cost excluding treatment averaged 49 cents. There were not enough reports for cleaning red clover or alfalfa seed to be published.

Custom Rates for Seed Cleaning, 2004, by District

Dist.	WHEAT						SOYBEANS					
	With Treatment			Without Treatment			With Treatment			Without Treatment		
	Number of Reports	Cents per Bushel		Number of Reports	Cents per Bushel		Number of Reports	Cents per Bushel		Number of Reports	Cents per Bushel	
		Range	Avg.		Range	Avg.		Range	Avg.		Range	Avg.
NW	4	45-50	46	10	30-57	38	-			-		
WC	1/			21	34-50	43	-			-		
SW	1/			8	25-50	40	-			-		
NC	6	50-154	77	16	35-100	53	-			-		
C	10	45-200	95	29	40-90	51	-			1/		
SC	8	35-160	75	33	30-75	47	-			-		
NE	1/			5	40-105	60	1/			1/		
EC	-			4	50-95	68	-			1/		
SE	6	40-190	102	11	25-75	42	1/			3	25-45	37
ST	40	35-200	82	137	25-105	47	4	40-190	96	7	25-75	49

1/ Insufficient number of reports; included in State totals.

Historical Custom Rates for Seed Cleaning

Crop	1999	2000	2001	2002	2003	2004
Wheat (Cents/Bushel)						
With Treatment	91	94	103	86	90	82
Without Treatment	44	46	46	46	48	47
Soybeans (Cents/Bushel)						
With Treatment	109	81	126	137	110	96
Without Treatment	46	46	50	47	50	49
Alfalfa (Cents/Pound)						
With Treatment	1/	-	1/	1/	1/	-
Without Treatment	18	1/	13	25	33	-
Red Clover (Cents/Pound)						
With Treatment	1/	-	1/	1/	1/	-
Without Treatment	13	1/	12	27	1/	1/

1/ Insufficient data to publish.

GRAIN HAULING

The average custom rate charged for hauling wheat, grain sorghum, corn, and soybeans from the field to the farm or to the nearest elevator was 13.0 cents per bushel with an extra charge of 1.1 cents per bushel per mile over 16 miles. This compares with the 2003 averages of 13.1 cents per bushel plus a 1.1 cent per bushel per mile over 15 miles. Only reports which included both a mileage limit and a per mile charge for additional miles were tabulated in the over basic mileage column.

Custom Rates for Hauling Grain from Field to Farm Storage Or Elevator, 2004, by District

District	Number of Reports	Cents per Bu.	Miles Limit	Cents/bu. /Mile Over Basic Mileage	Number of Reports	Cents per Bu.	Miles Limit	Cents/bu. /Mile Over Basic Mileage
	Wheat				**Grain Sorghum**			
NW	29	13.6	13	0.5	11	13.5	10	0.6
WC	43	13.4	14	0.9	23	13.0	16	0.8
SW	30	13.4	13	2.0	10	13.2	11	2.0
NC	39	13.4	15	1.4	21	13.2	15	1.3
C	39	13.4	14	1.3	16	13.1	19	1.3
SC	60	13.5	10	0.8	21	13.5	10	0.8
NE	20	14.9	28	2.0	11	13.5	27	1.0
EC	17	11.9	10	1.3	6	12.3	12	1.0
SE	21	12.3	17	1.0	9	13.1	11	0.9
STATE	298	13.4	15	1.1	128	13.2	16	1.0
	Corn				**Soybeans**			
NW	8	10.6	11	0.8	9	12.4	11	0.4
WC	11	11.9	15	1.5	5	11.8	13	1.0
SW	8	9.9	7	2.0	5	11.6	13	1.0
NC	8	12.9	16	0.9	12	12.8	20	1.0
C	7	11.6	16	1.5	12	12.9	17	1.7
SC	12	10.8	11	1.1	22	13.1	12	1.0
NE	21	13.7	28	1.0	24	13.9	26	1.0
EC	19	11.2	12	2.0	20	12.5	20	1.3
SE	11	11.8	11	0.5	11	12.4	11	0.8
STATE	105	11.8	15	1.3	120	12.9	18	1.0

Region	Number of Reports	Cents per Cwt.	Miles Limit	Cents/Cwt. /Mile Over Basic Mileage
	Sunflowers			
West	4	23.5	21	1/
Central	10	21.6	14	0.8
Eastern	1/			
State	16	20.9	13	1.8

1/ Insufficient number of reports; included in State totals.

SILAGE OPERATIONS

Custom rates for silage operations were separated into four categories: 1) chopping, hauling, and filling the silo, 2) chopping and hauling, 3) chopping only, and 4) hauling only. The average rate per ton for the complete silage operation was $5.32 per ton, down from $5.40 in 2003. Operations which included only chopping and hauling averaged $5.02 per ton, up 15 cents from last year, chopping averaged $3.55, compared to $3.54 in 2003, and hauling only averaged $2.18, down from $2.24 last year.

Custom Rates for Making Silage, per Ton, 2004, by District

District	Chopping, Hauling, & Filling Silo			Chopping & Hauling		
	Number of Reports	Dollars per Ton		Number of Reports	Dollars per Ton	
		Range	Average		Range	Average
NW	1/			1/		
WC	3	4.50-5.75	5.17	6	4.50-6.00	5.00
SW	5	4.75-6.00	5.61	4	4.50-6.25	5.10
NC	4	4.50-5.50	5.00	6	4.75-5.75	5.17
C	1/			5	4.25-5.00	4.80
SC	7	4.75-6.75	5.76	10	4.50-6.50	4.94
NE	1/			4	5.00-6.00	5.38
EC	1/			1/		
SE	1/			1/		
STATE	28	4.25-6.75	5.32	43	4.25-6.50	5.02

1/ Insufficient number of reports; included in State totals.

Silage Chopping, Hauling, 2004, by District

District	Chopping Only			Hauling Only		
	Number of Reports	Dollars per Ton		Number of Reports	Dollars per Ton	
		Range	Average		Range	Average
NW	1/			1/		
WC	4	2.50-2.50	2.50	4	2.25-2.50	2.38
SW	4	2.50-4.50	3.19	4	2.00-2.75	2.44
NC	1/			1/		
C	4	2.75-5.00	3.88	1/		
SC	9	2.50-8.00	4.03	7	1.50-2.50	1.93
NE	3	2.25-8.00	4.58	-		
EC	-			-		
SE	-			-		
STATE	27	2.25-8.00	3.55	22	0.75-2.75	2.18

1/ Insufficient number of reports; included in State totals.

HAYING

Mowing or swathing hay cost an average of $8.61 per acre, 34 cents more than in 2003. Mowing or swathing forage cost $9.85 per acre on average. Mowing or swathing with conditioning was $8.90 per acre, 22 cents higher than the 2003 average. The average charge for sideraking hay in 2004 was $3.01 per acre, 29 cents higher than the previous year.

Custom Rates for Mowing or Swathing, 2004, by District

District	Hay			Forage		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	4	8.00-10.00	9.25	1/		
WC	9	8.00-10.00	9.17	8	10.00-12.00	10.50
SW	12	7.00-12.00	8.88	10	10.00-12.00	10.75
NC	11	6.00-10.00	7.77	5	6.00-12.00	8.80
C	14	7.00-12.00	8.48	11	7.50-12.00	9.98
SC	37	6.00-11.00	8.55	20	5.00-13.00	9.41
NE	6	6.50-12.00	9.08	1/		
EC	4	7.00-10.00	8.63	-		
SE	15	5.00-13.00	8.57	5	7.00-10.00	9.20
STATE	112	5.00-13.00	8.61	63	5.00-13.00	9.85

1/ Insufficient number of reports; included in State totals.

Custom Rates for Swathing & Conditioning and Sideraking, 2004, by District

District	Swathing and Conditioning			Sideraking		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	7	8.00-10.50	9.25	1/		
WC	10	8.50-15.00	10.10	3	3.00-4.50	3.83
SW	11	8.00-12.00	9.11	5	2.75-4.00	3.45
NC	9	6.00-9.00	7.78	3	2.00-3.00	2.50
C	27	7.00-11.00	8.66	10	1.00-4.50	2.85
SC	49	6.00-13.00	8.61	23	1.00-5.00	2.67
NE	12	7.00-12.00	9.96	1/		
EC	4	7.00-11.00	9.13	1/		
SE	28	7.00-13.00	8.94	8	1.50-3.50	2.91
STATE	157	6.00-15.00	8.90	57	1.00-6.00	3.01

1/ Insufficient number of reports; included in State totals.

HAYING (Continued)

Custom baling of small square bales with wire cost an average of 66 cents per bale while baling with twine averaged 62 cents in 2004. Large round bales weighing under 1500 lbs. without net wrapping cost an average of $7.69 per bale while bales with net wrapping cost an average of $8.39 per bale. Large round bales weighing over 1500 lbs. without net wrapping cost an average of $8.03 per bale. Bales of the same size but being net wrapped cost an average of $8.79 per bale. The charge for large square bales weighing about one ton averaged $11.50, down 91 cents from 2003.

Custom Rates for Baling Hay, 2004

Type of Bale		Number of Reports	Dollars per Bale	
			Range	Average
Small:	Square w/Wire	38	0.45-1.50	0.66
	Square w/Twine	32	0.25-1.50	0.62
Large:	Round (under 1,500 lbs.) wo/net	112	2.00-14.00	7.69
	Round (under 1,500 lbs.) w/net	88	5.50-14.00	8.39
	Round (over 1,500 lbs.) wo/net	98	6.00-13.00	8.03
	Round (over 1,500 lbs.) w/net	80	6.50-14.50	8.79
	Square (approx. 1 ton)	29	7.00-25.00	11.50

Custom Rates for Baling, Square Bales, 2004, by District

District	Small Square With Wire			Small Square With Twine			Large Square		
	Number of Reports	Cents per Bale		Number of Reports	Cents per Bale		Number of Reports	Dollars per Bale	
		Range	Average		Range	Average		Range	Average
NW	-			-			-		
WC	1/			1/			3	10.50-13.50	12.00
SW	1/			4	60-130	79	5	12.00-16.00	13.90
NC	4	60-150	90	1/			3	7.00-8.00	7.67
C	3	65-100	78	4	40-75	54	6	9.50-25.00	15.20
SC	9	45-65	56	4	40-60	49	6	7.00-13.00	10.80
NE	1/			4	25-104	55	1/		
EC	6	45-125	73	5	40-125	74	1/		
SE	11	45-65	52	6	40-80	52	1/		
STATE	38	45-150	66	32	25-150	62	29	7.00-25.00	11.50

1/ Insufficient number of reports; included in State totals.

Custom Rates for Baling, Large Round Bales, 2004, by District

Dist.	Without Net						With Net					
	Under 1,500 lbs.			Over 1,500 lbs.			Under 1,500 lbs.			Over 1,500 lbs.		
	No. of Rpts	Dollars per Bale		No. of Rpts	Dollars per Bale		No. of Rpts	Dollars per Bale		No. of Rpts	Dollars per Bale	
		Range	Avg.		Range	Avg.		Range	Avg.		Range	Avg.
NW	7	6.00-9.00	6.86	3	6.50-9.50	7.67	6	6.00-8.50	7.33	1/		
WC	6	5.00-12.00	7.75	4	6.00-10.00	7.25	3	6.00-8.50	7.50	6	7.00-11.50	9.67
SW	3	8.00-12.00	9.67	6	8.00-12.00	10.60	5	7.00-12.00	8.95	8	8.00-12.00	9.41
NC	7	6.00-8.50	7.14	13	6.00-9.00	7.67	4	7.00-8.00	7.75	6	6.50-9.00	7.46
C	16	6.00-12.00	7.73	21	6.00-10.00	7.43	10	7.00-10.00	8.55	11	7.00-12.00	8.55
SC	23	6.00-8.00	7.46	30	6.00-9.00	7.81	29	6.50-12.00	8.15	24	7.00-10.00	8.74
NE	15	2.00-10.00	7.00	7	7.00-8.00	7.39	7	5.50-10.50	8.07	16	7.00-12.00	8.47
EC	11	5.00-10.00	7.45	5	6.50-13.00	9.40	7	7.25-14.00	9.64	1/		
SE	24	6.00-14.00	8.55	9	7.00-13.00	9.17	17	7.00-14.00	8.83	5	8.25-14.50	10.70
STATE	112	2.00-14.00	7.69	98	6.00-13.00	8.03	88	5.50-14.00	8.39	80	6.50-14.50	8.79

1/ Insufficient number of reports; included in State totals.

HAYING (Continued)

Custom rates for hauling small bales from field to farm storage averaged 45 cents per bale in 2004, down 1 cent from 2003. Rates for hauling large bales averaged $2.76 per bale or $4.75 per ton.

Custom Rates for Hauling Small Bales from Field to Storage, 2004, by District

District	Number of Reports	Cents per Bale	
		Range	Average
NW	-		
WC	-		
SW	1/		
NC	-		
C	-		
SC	4	35-55	46
NE	1/		
EC	6	30-55	46
SE	10	43-65	50
STATE	23	25-65	45

1/ Insufficient number of reports; included in State totals.

Custom Rates for Hauling Large Bales from Field to Storage, 2004, by District

District	Number of Reports	Dollars per Bale		Number of Reports	Dollars per Ton	
		Range	Average		Range	Average
NW	3	1.00-3.00	2.33	1/		
WC	1/			-		
SW	7	2.50-3.25	2.71	1/		
NC	1/			-		
C	6	1.60-5.00	2.85	1/		
SC	9	2.00-4.00	2.50	-		
NE	1/			-		
EC	4	1.20-3.00	1.95	-		
SE	8	1.00-8.50	3.69	1/		
STATE	42	1.00-8.50	2.76	6	2.50-7.00	4.75

1/ Insufficient number of reports; included in State totals.

HAYING (Continued)

The custom rates for haying includes cutting, baling, hauling, and stacking. The average rate for small bales was $1.21 per bale, down 8 cents from 2003. The large bale rate, at $14.96 per bale, was up 74 cents from 2003. Rates reported on a per ton basis averaged $24.00, down from the 2003 average of $24.86.

Custom Rates for Entire Haying Operation, per Bale, 2004, by District

District	Small Bales			Large Bales		
	Number of Reports	Cents per Bale		Number of Reports	Dollars per Bale	
		Range	Average		Range	Average
NW	-			1/		
WC	-			-		
SW	-			3		
NC	-			1/		
C	-			-		
SC	1/			1/		
NE	1/			5	11.00-15.00	12.40
EC	1/			6	13.00-15.50	14.08
SE	-			9	11.00-17.00	14.69
STATE	4	0.85-1.35	1.21	28	11.00-21.00	14.96

1/ Insufficient number of reports; included in State totals.

Custom Rates for Entire Haying Operation, per Ton, 2004, by Region

Region	Number of Reports	Dollars per Ton		Region	Number of Reports	Dollars per Ton	
		Range	Average			Range	Average
WEST CENTRAL	4 1/	22.00-24.00	23.13	EAST **STATE**	1/ 6	22.00-28.50	24.00

1/ Insufficient number of reports; included in State totals.

ROTARY MOWING AND TREE SHEARING

The average custom rate for rotary mowing was $8.17 per acre or $53.62 per hour in 2004. In 2003, charges were $7.72 per acre or $43.91 per hour.

Custom Rates for Rotary Mowing, 2004, by District

Dist.	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Hour	
		Range	Avg.		Range	Avg.
NW	-			1/		
WC	-			1/		
SW	5	7.00-10.00	8.20	1/		
NC	-			-		
C	-			-		
SC	1/			3	60.00-60.00	60.00
NE	1/			-		
EC	4	7.00-12.00	8.75	3	45.00-60.00	51.67
SE	4	8.00-10.00	8.50	3	50.00-60.00	53.33
STATE	17	4.85-12.00	8.17	13	7.00-85.00	53.62

1/ Insufficient number of reports; included in State totals.

Skid Loader Tree Shearing, 2004, by District

Dist.	Number of Reports	Dollars per Hour	
		Range	Avg.
NW	-		
WC	-		
SW	-		
NC	1/		
C	1/		
SC	5	45.00-60.00	51.40
NE	4	35.00-45.00	40.00
EC	1/		
SE	4	38.00-75.00	53.25
STATE	18	35.00-25.00	48.61

1/ Insufficient number of reports; included in State totals.

LAND TILLAGE

Custom rates for tillage operations vary depending on the area of the State, type of soil tillage practice, size of fields, and the size of equipment. Average charges for regular disking were $6.84 per acre, up 42 cents per acre from the 2003 rate. The average charge per acre for one-way disking was $7.22, 72 cents higher than the 2003 figure of $6.50. The average offset disking charge of $7.01 was down 1 cent an acre from the 2003 rate.

Custom Rates for Disking, 2004, by District

Dist.	Disking			One-Way Disk			Offset Disk		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Avg.		Range	Avg.		Range	Avg.
NW	1/			-			1/		
WC	6	5.50-8.00	6.33	1/			4	6.00-8.50	7.13
SW	5	5.00-8.00	6.30	-			5	5.00-8.00	6.30
NC	1/			-			1/		
C	8	5.00-8.00	6.25	1/			8	5.00-7.50	6.03
SC	10	5.50-8.00	6.70	1/			6	6.00-10.00	7.52
NE	4	7.50-9.00	8.38	-			-		
EC	5	6.00-7.00	6.60	1/			1/		
SE	9	6.00-10.00	7.72	1/			6	6.00-10.00	8.33
STATE	51	5.00-10.00	6.84	8	5.00-10.00	7.22	33	5.00-10.00	7.01

1/ Insufficient number of reports; included in State totals.

In 2004, charges for spiketooth harrowing averaged $5.25, a decrease of 8 cents per acre. The average for springtooth harrowing in 2004 was $4.88 per acre.

Custom Rates for Harrowing, 2004, by District

District	Spiketooth Harrow			Springtooth Harrow		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	1/			1/		
WC	1/			-		
SW	1/			-		
NC	-			-		
C	1/			-		
SC	4	3.00-8.00	5.50	3	4.50-6.63	5.38
NE	-			-		
EC	-			1/		
SE	4	2.00-8.00	5.00	1/		
STATE	14	2.00-8.00	5.25	7	2.00-6.63	4.88

1/ Insufficient number of reports; included in State totals.

LAND TILLAGE (Continued)

Rates for custom chiseling 4-12 inches deep averaged $7.96 per acre, a 6 cent per acre decrease from the 2003 rate. Deep chiseling, over 12 inches deep, averaged $10.05 per acre, an increase of $1.11 from the 2003 average.

Custom Rates for Chiseling, 2004, by District

District	Chisel (4-12")			Deep Chisel (Over 12")		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	3	5.00-6.50	5.67	1/		
WC	1/			3	6.50-8.00	7.00
SW	3	5.25-6.50	5.92	4	6.75-14.00	9.94
NC	-			-		
C	1/			1/		
SC	7	6.50-10.00	8.13	1/		
NE	-			1/		
EC	1/			3	9.00-12.75	10.42
SE	4	9.00-10.00	9.75	4	10.00-12.50	11.13
STATE	21	5.00-10.50	7.96	19	6.50-15.00	10.05

1/ Insufficient number of reports; included in State totals.

The average moldboard plowing rate increased $1.65 per acre to $11.63 while undercutting operations averaged $5.58 an acre, up 11 cents from 2003.

Custom Rates for Plowing and Undercutting, 2004, by District

District	Moldboard Plow			Undercutter (Large "V" Blade)		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	1/			7	4.50-6.00	5.21
WC	-			25	3.50-8.00	5.36
SW	1/			11	3.50-7.00	5.20
NC	-			1/		
C	4	9.00-12.00	10.38	10	5.00-7.00	5.70
SC	7	9.50-14.00	11.43	1/		
NE	1/			1/		
EC	-			-		
SE	1/			-		
STATE	16	9.00-18.50	11.63	57	3.50-12.00	5.58

1/ Insufficient number of reports; included in State totals.

LAND TILLAGE (Continued)

The average rate charged by custom operators for shank cultivation was $6.27 in 2004, up 9 cents from last year. Wheel springtooth charges averaged $6.00 per acre, up 73 cents from 2003..

Custom Rates for Field Cultivation, 2004, by District

District	Shank Cultivator			Wheel Springtooth Cultivator		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	1/			1/		
WC	1/			-		
SW	3	5.50-8.00	6.50	1/		
NC	3	5.50-7.50	6.33	1/		
C	11	3.00-7.50	5.59	-		
SC	7	3.00-8.00	5.71	-		
NE	5	6.75-10.00	8.35	1/		
EC	6	5.50-8.00	6.54	-		
SE	9	4.00-8.00	6.44	1/		
STATE	48	3.00-10.00	6.27	7	3.50-7.50	6.00

1/ Insufficient number of reports; included in State totals.

Custom Rates for Land Tillage, Historical Averages

Type of Operation	1996	1997	1998	1999	2000	2001	2002	2003	2004
	Dollars per Acre								
Disking	5.46	5.53	5.79	5.70	6.02	6.48	6.34	6.42	6.84
One-Way Disk	5.42	5.05	5.60	5.65	6.36	6.21	6.11	6.50	7.22
Offset Disk	6.02	6.17	6.16	6.29	6.76	6.54	6.72	7.02	7.01
Spiketooth Harrow	4.17	4.65	4.73	4.59	4.56	4.80	4.82	5.33	5.25
Springtooth Harrow	4.34	4.79	4.61	4.50	4.93	5.20	4.03	4.17	4.88
Chisel 4-12"	7.21	6.70	6.96	7.00	7.44	7.79	7.61	8.02	7.96
Deep Chisel Over 12"	8.24	8.76	8.61	8.84	9.13	9.54	10.33	8.94	10.05
Moldboard Plow	8.23	8.95	9.10	9.15	9.00	8.98	9.45	9.98	11.63
Undercutter	4.98	4.86	5.02	5.21	5.49	5.38	5.38	5.47	5.58
Shank Cultivator	5.33	5.33	5.42	5.57	5.66	5.92	6.16	6.18	6.27
Wheel Springtooth Cultivator	4.70	4.74	5.08	5.36	5.20	5.36	5.67	5.27	6.00

PLANTING
Regular-Till

Small grain seeding charges averaged $7.35 per acre, a decrease of 3 cents per acre. Charges for planting grain sorghum decreased by 7 cents per acre, to $8.48 per acre, in 2004. The average price charged for planting corn was $9.21 per acre, compared to $8.95 per acre in 2003. Soybean planting charges averaged $8.95 per acre in 2004. This is a decrease of 11 cents per acre from last year. The grass seeding rate increased by 22 cents an acre, to $10.83 per acre, in 2004. The price for seeding alfalfa-legumes averaged $9.63 an acre.

Custom Rates for Regular-Till Planting, 2004, by District

District	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
		Small Grains			**Grain Sorghum**	
NW	7	4.50-10.00	7.21	1/		
WC	25	4.00-12.00	6.57	11	6.00-12.00	7.82
SW	17	4.00-12.00	6.96	10	5.25-10.25	7.85
NC	6	7.00-10.00	8.42	7	7.00-10.00	8.57
C	9	4.50-13.00	7.31	8	5.00-14.00	8.75
SC	22	5.00-13.00	7.22	12	6.00-13.00	9.60
NE	3	9.00-11.00	10.00	1/		
EC	7	5.00-10.00	7.93	5	6.00-8.50	7.20
SE	12	5.00-12.00	8.38	11	6.00-12.00	8.09
STATE	108	4.00-13.00	7.35	69	5.00-14.00	8.48
		Corn			**Soybeans**	
NW	1/			1/		
WC	4	6.00-9.00	7.25	5	6.50-12.00	9.60
SW	6	7.50-11.00	9.33	4	8.00-12.00	10.00
NC	1/			6	7.00-10.00	8.67
C	5	8.50-12.00	9.90	1/		
SC	9	7.50-13.00	10.06	10	5.50-12.00	8.68
NE	10	8.00-15.00	10.05	9	7.00-12.00	9.61
EC	10	6.00-12.00	8.30	11	6.00-12.00	8.18
SE	8	6.00-12.00	8.75	11	6.00-12.00	8.32
STATE	56	6.00-15.00	9.21	61	5.50-14.00	8.95
		Grass Seeding			**Alfalfa-legume Seeding**	
NW	-			1/		
WC	1/			-		
SW	1/			3	8.50-12.00	10.17
NC	1/			3	10.00-13.00	11.00
C	1/			1/		
SC	1/			1/		
NE	-			-		
EC	1/			-		
SE	4	7.00-15.00	11.50	1/		
STATE	12	7.00-20.00	10.83	12	6.00-13.00	9.63

1/ Insufficient number of reports; included in State totals.

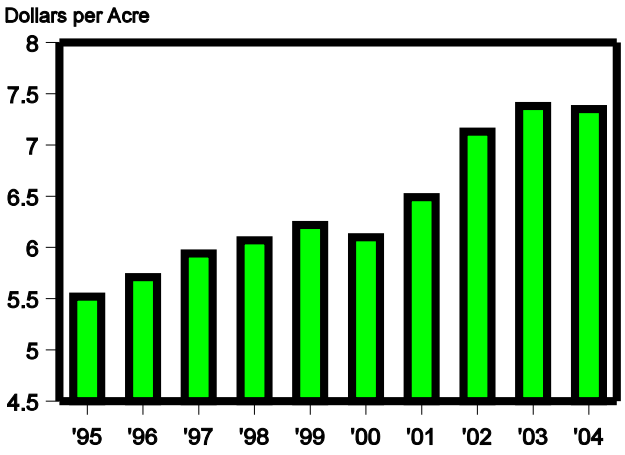
PLANTING (Continued)

Custom Rates for Regular-Till Planting, Historical Averages

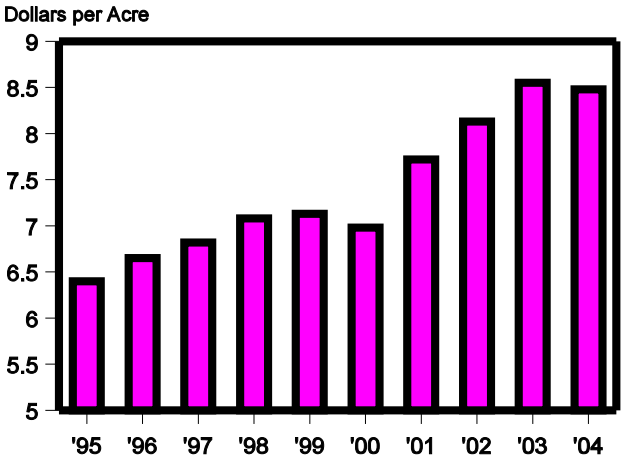
Crops	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
					Dollars per Acre					
Small Grains	5.52	5.71	5.94	6.07	6.22	6.10	6.49	7.13	7.38	7.35
Grain Sorghum	6.40	6.65	6.82	7.08	7.13	6.98	7.72	8.13	8.55	8.48
Corn	6.81	7.19	7.28	7.36	7.53	7.77	8.19	8.54	8.95	9.21
Soybeans	6.69	6.97	7.06	7.38	7.46	8.23	8.17	8.47	9.06	8.95
Grass	7.93	8.50	8.27	7.82	8.37	8.68	8.92	9.77	10.61	10.83
Alfalfa-Legume	7.24	7.29	7.42	7.41	7.76	7.46	8.59	9.83	10.29	9.63

Regular-Till Planting

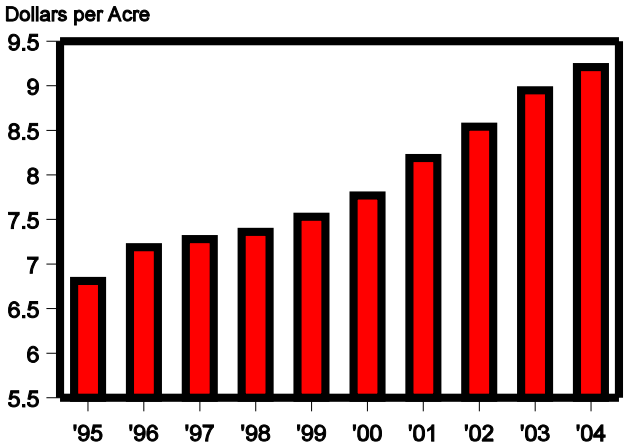
Small Grains



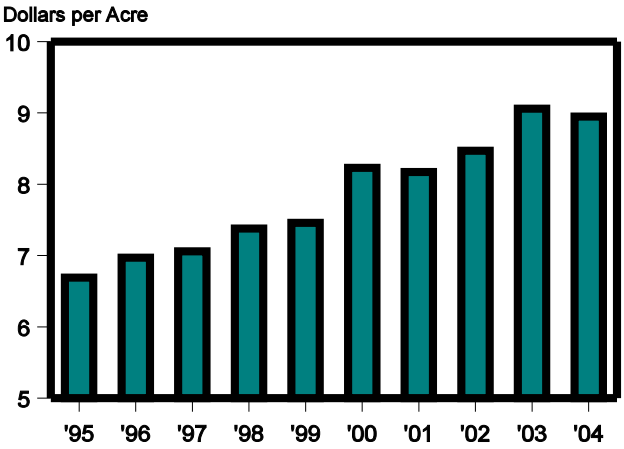
Grain Sorghum



Corn



Soybeans



PLANTING (Continued)
Minimum-Till

Rates for minimum-till planting of small grains averaged $10.72 per acre, up from $10.36 in 2003. Minimum-till grain sorghum planting averaged $10.29, up 10 cents from last year's rate. Corn planting averaged $10.55 per acre, a 24 cent increase. Soybean planting averaged $10.84, compared to last year's average of $10.90 per acre.

Custom Rates for Minimum-Till or No-Till Planting, 2004, by District

District	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
		Small Grains			**Grain Sorghum**	
NW	8	5.00-12.00	9.75	5	5.00-12.00	9.40
WC	10	5.25-15.00	9.48	20	6.50-15.00	9.66
SW	12	7.00-15.00	11.06	9	5.00-12.50	8.83
NC	14	8.00-16.00	11.07	13	8.00-13.00	10.27
C	16	6.00-16.00	11.53	19	7.50-16.00	11.45
SC	15	8.00-15.00	11.23	10	8.00-15.00	11.40
NE	6	10.00-12.00	11.00	3	12.00-14.00	12.67
EC	11	7.50-12.00	9.91	5	8.00-14.00	10.90
SE	16	6.00-15.00	10.59	14	7.00-12.00	9.36
STATE	108	5.00-16.00	10.72	98	5.00-16.00	10.29
		Corn			**Soybeans**	
NW	7	9.00-12.00	10.71	4	10.00-12.00	11.00
WC	11	8.00-11.50	9.52	5	9.00-15.00	11.20
SW	7	7.00-12.50	9.54	5	7.00-12.50	10.75
NC	4	10.00-12.00	11.00	8	8.00-13.00	10.00
C	8	8.00-16.00	12.50	17	7.50-16.00	11.35
SC	8	8.00-15.00	10.22	9	8.75-15.00	10.58
NE	12	9.00-14.00	11.04	14	9.00-14.00	11.54
EC	9	7.50-14.00	10.56	10	7.50-14.00	10.70
SE	6	7.00-12.00	10.00	13	7.00-12.00	10.04
STATE	72	7.00-16.00	10.55	85	7.00-16.00	10.84

Custom Rates for Minimum-Till or No-Till Plantings, State Historical Averages

Crops	1996	1997	1998	1999	2000	2001	2002	2003	2004
	Dollars per Acre								
Small Grains	9.26	8.88	8.91	9.76	9.77	9.89	10.11	10.36	10.72
Grain Sorghum	8.06	8.12	8.70	8.85	9.16	9.56	9.91	10.19	10.29
Corn	8.44	8.46	8.65	8.96	9.40	10.00	10.04	10.31	10.55
Soybeans	8.87	8.88	9.29	9.61	9.96	10.50	10.46	10.90	10.84

CHEMICAL APPLICATIONS

The custom rates for chemical applications presented here include the cost of machine, power, and the operator; however, the cost of the chemicals is excluded. Rates charged for crop cultivation with fertilizer application averaged $6.73 per acre, while cultivation without fertilizer application averaged $6.08. This compares with $6.64 and $5.95 per acre, respectively, in 2003.

Custom Rates for Row Crop Cultivation, 2004, by Region

Region	With Fertilizer			Without Fertilizer		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
WEST	8	4.00-7.50	6.00	6	5.00-8.00	5.83
CENTRAL	4	3.00-12.00	8.87	4	6.00-8.00	6.50
EAST	1/			3	5.50-7.00	6.00
STATE	13	3.00-12.00	6.73	13	5.00-8.00	6.08

1/ Insufficient number of reports; included in State totals.

Dry fertilizer applications averaged $3.78 per acre, 10 cents more than in 2003. Liquid fertilizer was applied for an average charge of $3.87 per acre, up 9 cents from last year.

Custom Rates for Fertilizer Application, 2004, by District

District	Dry Fertilizer			Liquid Fertilizer		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	7	3.75-5.00	4.00	17	3.50-5.00	4.04
WC	8	3.50-4.25	3.75	21	2.50-6.00	3.80
SW	15	3.25-4.50	3.83	18	3.00-7.00	4.08
NC	24	3.00-4.25	3.90	26	3.00-4.50	3.80
C	34	2.00-4.50	3.63	47	3.00-4.50	3.53
SC	49	2.50-5.50	3.55	49	1.50-5.13	3.56
NE	39	3.00-5.00	4.18	40	3.50-6.00	4.40
EC	21	3.00-5.70	4.08	18	3.50-5.95	4.44
SE	35	2.00-5.00	3.47	32	3.00-5.00	3.76
STATE	232	2.00-5.70	3.78	268	1.50-7.00	3.87

CHEMICAL APPLICATIONS (Continued)

Custom chemical applicators charged an average of $6.93 per acre to apply anhydrous ammonia, 75 cents more than the 2003 average.

Custom Rates for Application of Anhydrous Ammonia, 2004, by District

District	Number of Reports	Dollars per Acre	
		Range	Average
NW	1/		
WC	3	2.50-6.00	4.17
SW	9	4.00-13.00	6.72
NC	1/		
C	8	3.00-8.00	5.94
SC	4	3.50-7.00	4.75
NE	10	7.00-12.50	9.28
EC	1/		
SE	4	4.00-10.00	7.25
STATE	44	2.50-13.00	6.93

1/ Insufficient number of reports; included in State total.

The average cost for aerial application of herbicide was $4.29 per acre, down 1 cent from 2003. When herbicides were applied with a ground rig, the average cost was $4.03, 18 cents above 2003.

Custom Rates for Herbicide Application, 2004, by District

District	Aerial			Ground Rig		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	4	3.75-5.50	4.69	14	3.50-4.00	3.89
WC	6	3.75-7.00	4.71	27	2.50-4.50	3.66
SW	9	2.00-4.35	3.79	22	3.00-7.00	4.04
NC	10	3.50-5.80	4.18	25	3.50-4.50	3.95
C	5	3.50-4.75	3.77	44	2.75-4.60	3.67
SC	7	4.00-5.13	4.52	47	2.75-6.35	3.74
NE	1/			50	3.50-7.50	4.56
EC	1/			27	3.50-6.15	4.66
SE	1/			37	3.00-8.00	4.03
STATE	46	2.00-8.00	4.29	293	2.50-8.00	4.03

1/ Insufficient number of reports; included in State total.

CHEMICAL APPLICATIONS (Continued)

The average cost for aerial application of insecticide was $4.30 per acre, down 53 cents from last year. When insecticides were applied with a ground rig, the average cost was $4.02 per acre, up 10 cents from the 2003 rate.

Custom Rates for Insecticide Application, 2004, by District

District	Aerial			Ground Rig		
	Number of Reports	Dollars per Acre		Number of Reports	Dollars per Acre	
		Range	Average		Range	Average
NW	3	3.50-5.50	4.67	7	3.75-5.00	4.07
WC	3	4.00-4.00	4.00	13	3.00-4.25	3.71
SW	9	2.00-5.00	4.03	12	3.00-4.50	3.91
NC	10	2.50-5.75	4.28	21	3.00-4.50	3.87
C	4	3.10-4.75	4.03	30	3.25-4.60	3.82
SC	4	4.50-5.00	4.69	31	2.75-4.75	3.78
NE	1/			25	3.00-6.00	4.48
EC	-			15	3.50-6.75	4.82
SE	1/			22	3.06-5.00	3.95
STATE	35	2.00-7.00	4.30	176	2.75-6.75	4.02

1/ Insufficient number of reports; included in State total.

Custom Rates for Chemical Application, State Historical Averages

Type of Operation or Application	1996	1997	1998	1999	2000	2001	2002	2003	2004
	Dollars per Acre								
Cultivation with Fertilizer	5.78	5.91	6.43	5.61	6.48	6.77	6.19	6.64	6.73
Cultivation without Fertilizer	5.74	5.96	6.11	5.88	5.75	6.25	6.01	5.95	6.08
Dry Fertilizer	3.02	3.06	3.12	3.23	3.40	3.53	3.58	3.68	3.78
Liquid Fertilizer	3.14	3.19	3.29	3.33	3.50	3.57	3.72	3.78	3.87
Anhydrous Ammonia	5.56	5.24	5.59	5.28	5.67	5.61	5.90	6.18	6.93
Herbicide									
Aerial	4.20	3.30	4.11	4.15	4.20	4.39	4.52	4.30	4.29
Ground Rig	3.32	3.28	3.39	3.48	3.59	3.72	3.81	3.85	4.03
Insecticide									
Aerial	4.20	3.91	4.11	4.16	4.19	4.42	4.49	4.83	4.30
Ground Rig	3.34	3.30	3.41	3.54	3.66	3.77	3.90	3.92	4.02

FEED PREPARATION

Rates for custom feed preparations are those generally charged by grain elevators and feed mills. Rates charged in 2004 are very close to those reported in 2003. Reports averaged 36 cents per hundredweight (cwt.) for grinding grain, 34 cents per cwt. for rolling grain, 25 cents per cwt. for grinding hay, 26 cents per cwt. for mixing, 56 cents per cwt. for rolling and mixing, and 57 cents per cwt. for grinding and mixing.

Custom Rates for Feed Preparation, 2004, by District

District	Grinding Grain			Rolling Grain			Grinding Hay		
	Number of Reports	Cents per Cwt.		Number of Reports	Cents per Cwt.		Number of Reports	Cents per Cwt.	
		Range	Avg.		Range	Avg.		Range	Avg.
NW	1/			3	25-40	32	-		
WC	3	35-40	38	6	8-40	27	1/		
SW	3	35-40	38	4	30-40	33	-		
NC	3	25-40	32	11	20-60	37	1/		
C	5	30-55	37	10	20-40	29	-		
SC	5	25-45	36	11	20-40	33	-		
NE	1/			7	24-45	33	-		
EC	5	25-45	35	6	25-100	50	-		
SE	10	30-45	38	13	30-45	35	1/		
STATE	38	25-55	36	71	8-100	34	3	5-50	25

1/ Insufficient number of reports; included in State totals.

District	Mixing			Rolling and Mixing			Grinding and Mixing		
	Number of Reports	Cents per Cwt.		Number of Reports	Cents per Cwt.		Number of Reports	Cents per Cwt.	
		Range	Avg.		Range	Avg.		Range	Avg.
NW	3	20-45	28	3	45-60	50	4	45-50	48
WC	3	20-50	33	4	40-55	49	1/		
SW	3	20-35	28	3	40-75	62	1/		
NC	9	20-30	24	9	40-70	54	1/		
C	10	10-50	24	9	25-70	50	5	36-75	52
SC	14	15-35	25	7	30-70	52	4	45-75	61
NE	6	14-40	27	4	38-85	61	1/		
EC	5	20-45	31	8	50-100	68	1/		
SE	9	10-40	25	12	40-80	59	1/		
STATE	62	10-50	26	59	25-100	56	33	10-85	57

1/ Insufficient number of reports; included in State totals.

FEED PREPARATION (Continued)

Charges for pelleting feed operations averaged 79 cents per cwt., 5 cents lower than in 2003. The charge for grinding, mixing, and pelleting operations combined averaged 116 cents per cwt., 2 cents higher than in 2003. Sacking operations, excluding the cost of sacks, averaged 112 cents per cwt., 4 cents lower than last year.

Custom Rates for Feed Preparation, 2004

District	Pelleting Only			Grinding, Mixing and Pelleting			Sacking		
	Number of Reports	Cents per Cwt.		Number of Reports	Cents per Cwt.		Number of Reports	Cents per Cwt.	
		Range	Avg.		Range	Avg.		Range	Avg.
NW	-			-			1/		
WC	-			-			1/		
SW	1/			1/			1/		
NC	-			-			6	23-170	114
C	1/			1/			8	75-170	112
SC	3	60-75	68	1/			10	30-210	110
NE	-			-			5	100-200	147
EC	-			-			5	125-200	161
SE	3	50-100	77	1/			11	50-150	85
STATE	8	50-125	79	5	75-155	116	50	23-210	112

1/ Insufficient number of reports; included in State totals.

Custom Rates for Feed Preparation, State Historical Averages

Type of Preparation	1996	1997	1998	1999	2000	2001	2002	2003	2004
	Cents per Cwt.								
Grinding Grain	29	29	33	31	35	34	36	35	36
Rolling Grain	28	28	30	29	30	31	33	33	34
Grinding Hay	75	-	56	-	-	66	74	62	25
Mixing	21	22	22	22	23	23	26	26	26
Rolling and Mixing	44	42	44	45	42	49	51	52	56
Grinding and Mixing	46	44	49	46	51	53	53	57	57
Pelleting	72	67	77	73	82	70	76	84	79
Grinding, Mixing, and Pelleting	118	95	99	122	126	118	119	114	116
Sacking (excluding sacks)	72	73	76	88	93	91	95	116	112

FEED DELIVERY

There are many different methods of charging for bulk feed deliveries. Rates for four of the most commonly reported methods are presented below. Method 1 has a charge per load plus a charge per mile. Other types of charges were reported but could not be summarized for this report. Many operators also charge extra for miles beyond a specified limit. For all methods, the average extra charge was $1.25 per mile after 9.8 miles.

Custom Rates for Feed Delivery, 2004, by District

District	Method 1 (Charge per Load plus Mileage)				Method 2 (Charge per Mile)			Method 3 (Charge per Ton)			Method 4 (Charge per Load)			Extra Charge (All Methods)		
	Number of Reports	Dollars per Load	+ Dollars per Mile	Avg. Load (Tons)	Number of Reports	Dollars per Mile	Avg. Load (Tons)	Number of Reports	Dollars per Ton	Avg. Load (Tons)	Number of Reports	Dollars per Load	Avg. Load (Tons)	Number of Reports	Maxim. Miles	Extra Dollars per Mile
NW	1/							-			3	13.33	6.30	1/		
WC	1/				1/			-			3	27.67	3.30	1/		
SW	1/							-			4	29.00	7.80	1/		
NC	3	18.33	1.17	10.0	1/			-			4	28.00	6.0	1/		
C	1/				4	2.08	7.5	-			6	22.33	8.8	4	15.00	1.08
SC	8	13.88	1.55	8.0	-			1/			4	20.75	9.3	1/		
NE	-				1/			-			6	21.00	5.8	1/		
EC	1/				1/			-			4	28.75	4.8	1/		
SE	1/				6	1.73	11.3	1/			6	20.92	6.3	-		
STATE	19	16.03	1.35	9.0	17	1.93	10.8	5	4.50	5.4	40	23.36	6.7	12	9.75	1.25

1/ Insufficient number of reports; included in State totals.

MACHINERY RENTAL

Rental costs listed below do not include the cost of fuel or labor for self-propelled equipment and tractors. Fertilizer applicators were the most commonly reported rental items, followed by tractors, combines, and planting equipment. Many items, such as cultivators, chisels, and mower/conditioners, were reported but had too few reports to summarize.

Rental charges are similar to those reported in recent years. Average rental costs for most items show only small increases or decreases. Some of the variation may be due to the small numbers of reports for some rental items.

Machine Rental Rates, 2004

Machine or Tool	Method of Charge	Number of Reports	Range	Average
Combine	$/Hour	15	50.00-120.00	91.60
Corn Head	$/Acre	3	5.00-8.00	6.67
No-Till Drill	$/Acre	9	3.50-15.00	8.33
Alfalfa/Grass Drill	$/Acre	1/		
Field Cultivator	$/Acre	1/		
Fertilizer Applicators				
Dry	$/Ton	29	1.25-20.00	8.50
Dry	$/Acre	18	0.85-6.00	2.03
Anhydrous	$/Ton	8	5.00-17.00	11.56
Anhydrous	$/Acre	14	1.00-7.00	2.26
Dual	$/Acre	10	1.75-3.50	2.51
Hay Equipment				
Baler, Large Bales	$/Bale	1/		
Tub Grinder	$/Hour	-		
Swather	$/Hour	-		
Tractor				
50-100 HP	$/Hour	-		
101-150 HP	$/Hour	7	15.00-25.00	20.14
151-200 HP	$/Hour	-		
201+ HP	$/Hour	7	22.00-65.00	38.00
Size Not Specified	$/Hour	-		
KAT (Rubber Track)	$/Hour	3	30.00-115.00	61.67

1/ Insufficient number of reports.

FENCE BUILDING

Rates for fence building listed below were reported on the Bluestem Pasture Survey completed in April of 2004. Producers in the 14 Flint Hills counties were surveyed and asked to provide current fence building costs. The reported rates varied considerably due to the difference in equipment and terrain. The rate charged for building a five-wire, all-steel post fence, excluding materials, averaged $6.11 per rod. The rate including materials averaged $8.38 per rod. Average hourly rates charged for fence building are $28.24 per hour with equipment and $15.73 per hour without equipment.

Custom Rates for Fence Building, per Rod 1/, 2004

Fence Type	Steel Posts Only			Steel & Wood Posts Only		
	Number of Reports	Dollars per Rod		Number of Reports	Dollars per Rod	
		Range	Average		Range	Average
	Excluding Materials			Excluding Materials		
Four Wire	2/			2/		
Five Wire	33	3.50-10.00	6.11	8	5.00-10.50	7.19
	Including Materials			Including Materials		
Four Wire	3	7.00-9.50	7.83	2/		
Five Wire	17	6.50-10.00	8.38	4	10.80-14.50	12.70

1/ Additional charges for rough and rocky terrain ranged from $1.00 to $2.00 per rod and averaged $1.29 per rod. 2/ Insufficient number of reports.

Custom Fence Builders	Number of Reports	Dollars per Hour		Average Number of Persons
		Range	Average	
With Equipment	25	10.00-36.00	28.24	1.7
Without Equipment	11	10.00-32.00	15.73	1.4

TERRACING AND DOZING

Building terraces averaged 51 cents per foot, a decrease of 6 cents from 2003. The average cost for general dozer work was $90.02 per hour, compared to $85.39 last year.

Custom Rates for Terracing and Dozing, 2004, by District

District	Number of Reports	Cents per Foot		Number of Reports	Dollars per Hour	
		Range	Average		Range	Average
	Terracing			Dozing		
NW	-			-		
WC	1/			-		
SW	-			-		
NC	1/			1/		
C	1/			1/		
SC	-			3	70-90	80.00
NE	1/			8	65-105	85.88
EC	1/			7	72-125	92.07
SE	4	10-55	43	9	65-130	91.56
STATE	9	10-80	51	29	65-130	90.02

1/ Insufficient number of reports; included in State totals.