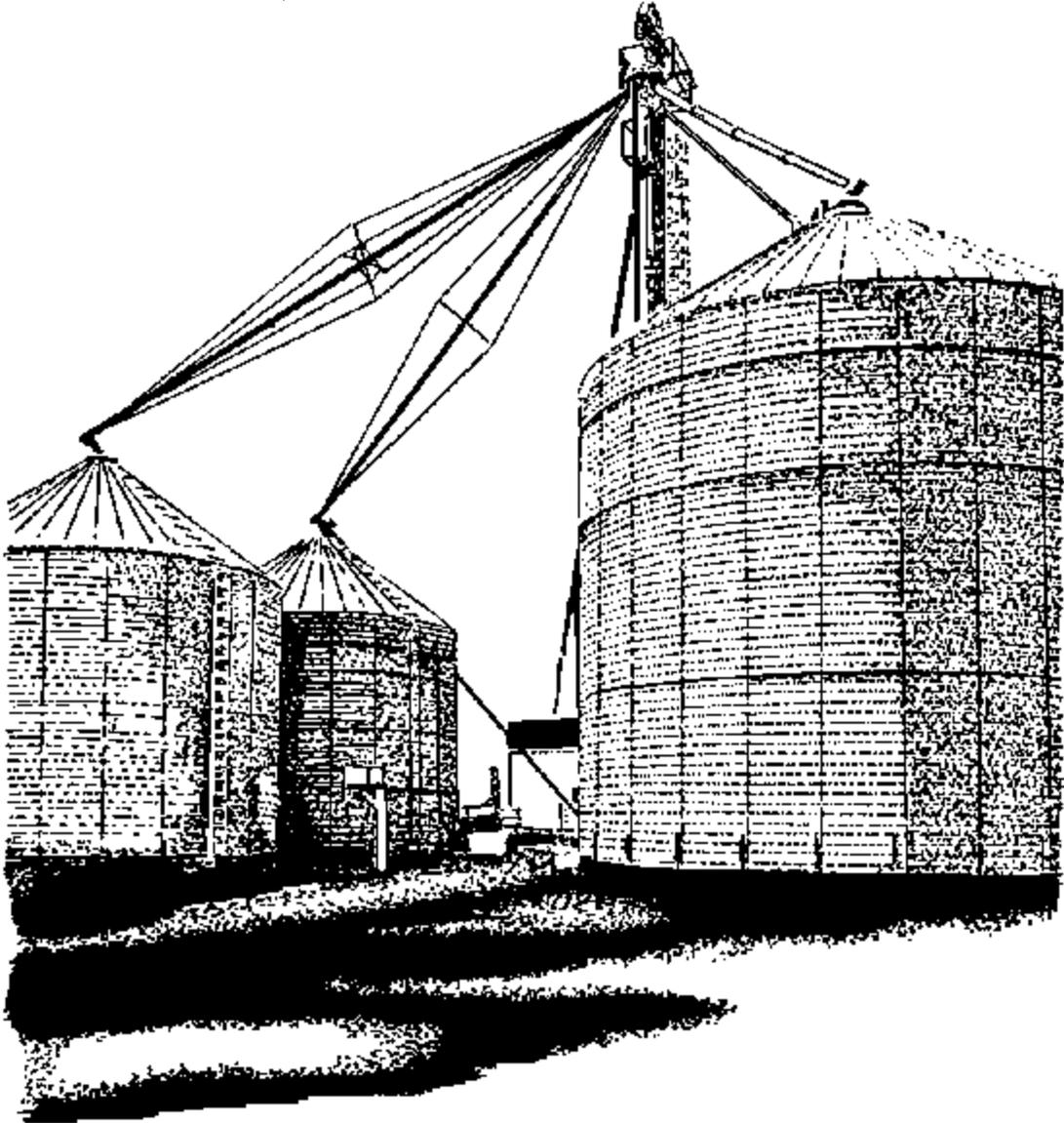


KANSAS

GRAIN TRANSPORTATION

DATA FOR 1998 CROP
AND
HISTORICAL DATA 1985-1992, 1997



KANSAS
AGRICULTURAL
STATISTICS

Fact Finding
For Agriculture

Kansas Department of Agriculture
U.S. Department of Agriculture

KANSAS GRAIN TRANSPORTATION

DATA FOR 1998 CROP

AND

HISTORICAL DATA 1985-1992, 1997

COMPILED BY
KANSAS AGRICULTURAL STATISTICS

In Cooperation With

U.S. Department of Agriculture
National Agricultural Statistics Service

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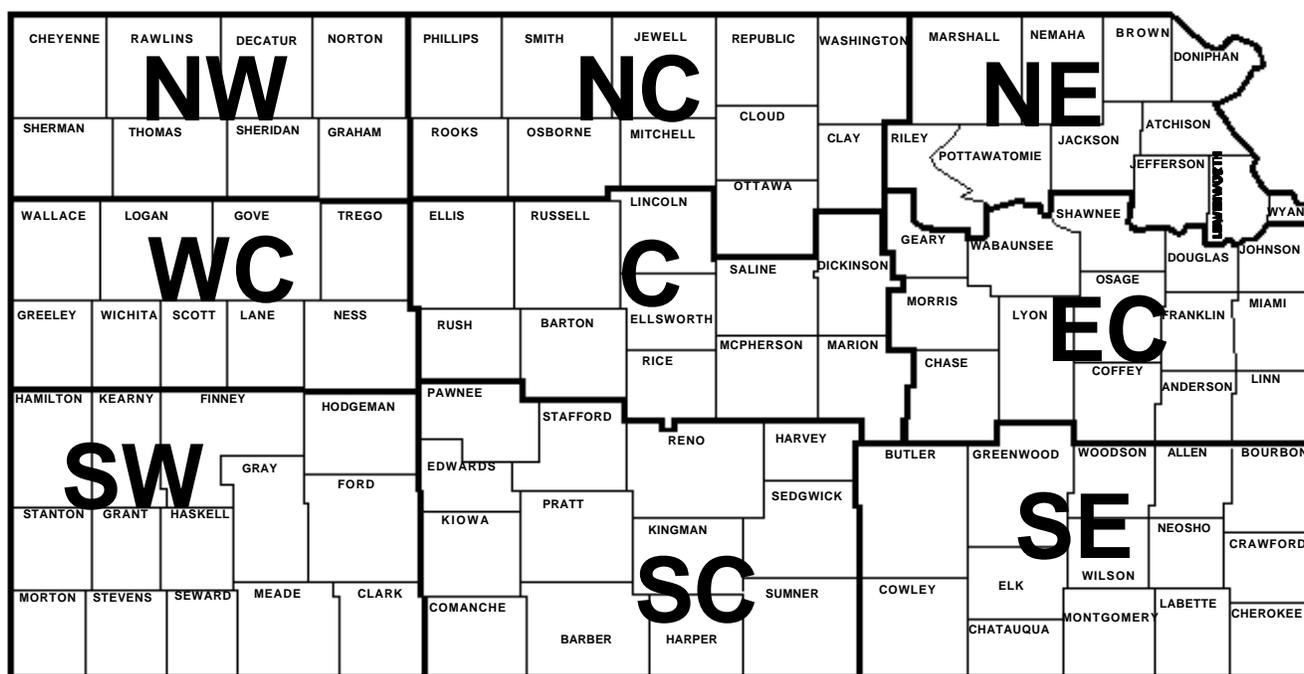
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FORWARD

This report contains the summary of data reported by Kansas elevator operators in response to the Grain Transportation Survey. It provides basic information on the transportation of the four major grain crops harvested in Kansas during 1998—wheat, corn, sorghum, and soybeans. Historical data for crop years 1985-92 and 1997 are also included for comparison purposes. A survey of this type was not conducted for the years 1985, 1986, and 1993-96. We welcome comments about these data, the presentation of the reports, and other areas that need exploration.

Special thanks are due to the more than 300 elevator operators who took time to report the data in this publication. Our appreciation also goes to David Frey, Administrator, Kansas Wheat Commission; Kansas Wheat Commission; Gary Bothwell, President, Kansas Grain Inspection Service, Inc.; and Tom Tunnell, President, Kansas Grain & Feed Association for their advice and assistance in defining survey content and designing the questionnaire.

KANSAS AGRICULTURAL STATISTICS DISTRICTS



Kansas is divided into nine agricultural statistics districts for convenience in compiling and presenting statistical information on crops and livestock. These nine districts are outlined on the above map. The districts are designated as follows: Northwest (NW), West Central (WC), Southwest (SW), North Central (NC), Central (C), South Central (SC), Northeast (NE), East Central (EC), and Southeast (SE).

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INTRODUCTION - GRAIN PRODUCITON

Agriculture is one of Kansas' most important industries, of which grain production is a major component. Kansas ranked first in the nation in 1998 wheat production with almost 495 million bushels produced. Production of sorghum in Kansas also ranked number one in the U.S. with over 264 million bushels produced. Kansas had significant production of corn and soybeans in 1998 and ranked eighth in U.S. corn production and tenth in U. S. soybean production.

Final 1998 acreage, yield, and production of wheat, corn, sorghum, by Agricultural Statistics Districts in the table below to aide in interpreting the data presented in this report. Also, items that should sum to 100 percent may not always equal 100 percent due to rounding.

KANSAS GRAIN PRODUCTION SUMMARY, 1998 CROP

District	Acres Harvested, (000)	Yield Per Acre, Bu.	Production, Bu. (000)	Acres Harvested, (000)	Yield Per Acre, Bu.	Production, Bu. (000)
	Wheat			Corn		
NW	1,090	51	55,991	489	153	74,890
WC	1,180	51	60,261	229	149	34,090
SW	1,650	51	84,231	873	176	153,620
NC	1,315	55	72,938	205	125	25,545
C	1,559	49	77,072	83	121	10,025
SC	2,289	45	101,995	314	141	44,395
NE	230	48	11,032	363	128	46,490
EC	252	42	10,668	200	110	22,035
SE	535	39	20,712	94	84	7,860
STATE	10,100	49	494,900	2,850	147	418,950
	Sorghum			Soybeans		
NW	176	92	16,253	28	50	1,395
WC	304	92	28,042	16	45	705
SW	527	70	36,842	44	50	2,174
NC	563	93	52,577	217	38	8,272
C	553	75	41,651	136	31	4,196
SC	500	63	31,307	248	38	9,535
NE	240	99	23,856	541	36	19,455
EC	162	81	13,122	663	27	16,556
SE	275	74	20,350	649	20	12,712
STATE	3,300	80	264,000	2,500	30	75,000

GRAIN HANDLING AND TRANSPORTATION

Continual changes in the grain industry and related service industries present numerous challenges for commodity producers and grain companies in determining how to manage the handling and transport of grain. Many of the changes that occur impact not only how business will be conducted but may also affect the very viability of the companies involved.

To gain a better understanding of the present methods used to handle and transport Kansas grain, a survey of all Kansas elevators was conducted in 1999. The survey collected information about the receipts and shipments of the four major grains produced in Kansas and targeted the collection of information that describes practices such as grading, sampling, processing, and utilization of rail services. Since the marketing years for wheat, corn, sorghum, and soybeans do not coincide, information was obtained for the twelve-month period beginning June 1, 1998 and ending May 31, 1999.

The tables in this section of the report present data at the Agricultural Statistics district and State levels. For this survey, Kansas grain handlers were broken into three size groups: small country houses, large country houses, and terminals. Small country houses are non-terminal elevators with less than 1.5 million bushels of storage capacity. Large country houses are non-terminal elevators with capacities of 1.5 million bushels or more. Terminals receive most of their grain from other elevators. For the 1998 Grain Transportation Survey, there were not enough complete reports received from terminals to publish accurate data; however, terminal data is included in State estimates. All country elevators, terminals, and oil seed crushers were contacted by mail. Those not responding were then contacted by telephone.

RECEIPTS AND SHIPMENTS

Elevators continue to receive most of their grain by truck. For the 1998 crop, truck receipts accounted for 95 percent of the grain received by elevators in Kansas. Truck receipts were particularly dominant at small country elevators, representing 100 percent of total receipts. Large country elevators received 92 percent of all grain by truck.

Most of the grain received at elevators came directly from farmers. For the 1998 grain crops, 90 percent of all grain receipts came directly from farmers. Smaller elevators normally receive a larger percentage of grain directly from farmers. For small country elevators, 94 percent of all grain receipts came directly from farmers. Large country elevators had 88 percent direct shipments from farmers.

The leading mode of transportation for shipment has shifted from rail to truck service with truck shipments representing 61 percent of the grain shipments. Ninety-nine percent of all corn and sorghum was shipped by truck, followed by soybeans at 96 percent, and 92 percent for wheat.

**ALL GRAIN RECEIVED AT AND SHIPPED FROM KANSAS ELEVATORS
BY DISTRICT, BY TRANSPORT MODE
JUNE 1, 1998-MAY 31, 1999**

District/ Type of Elevator	Rail	Truck	From Farmers <u>1/</u>	Origin Outside Kansas	Rail	Truck	Unit Train <u>2/</u>
	Percent of Total Receipts				Percent of Shipments		
NW	-	100	100	2	41	59	26
WC	-	100	86	5	54	46	43
SW	-	100	98	2	19	81	5
NC	7	93	97	1	41	59	26
C	-	100	87	-	19	81	5
SC	-	100	93	2	19	81	11
NE	33	67	84	15	14	86	1
EC	8	92	68	1	78	22	54
SE	4	96	95	4	24	76	3
State	5	95	90	4	39	61	24
Sm Ctry Houses	-	100	94	2	21	79	6
Lrg Ctry Houses	8	92	88	4	49	51	34

See footnotes at bottom of page.

**ALL GRAIN RECEIVED AT AND SHIPPED FROM KANSAS ELEVATORS 3/ 4/
BY YEAR, BY TRANSPORT MODE**

Crop Year	Rail	Truck	From Farmers <u>1/</u>	Origin Outside Kansas	Rail	Truck	Barge	Unit Train <u>2/</u>
	Percent of Total Receipts				Percent of Total Shipments			
1987	20	80	68	14	60	40	-	23
1988	28	72	78	11	68	32	*	29
1989	19	81	79	10	60	39	1	21
1990	20	80	80	11	59	41	-	23
1991	13	87	80	8	57	43	*	27
1992	17	83	74	9	57	43	<u>5/</u>	18
1997	4	96	77	5	42	58	-	28
1998	5	95	90	4	39	61	-	24

1/ Percent of truck receipts which were received from farmers. 2/ Also included in Rail. 3/ No data collected in 1993-1996. 4/ For years prior to 1997, the data applied to July-June periods. 5/ Data not collected in 1992. * Less than .5 percent.

**GRAINS RECEIVED AT KANSAS ELEVATORS
BY DISTRICT, BY TRANSPORT MODE
JUNE 1, 1998-MAY 31, 1999**

District/ Type of Elevator	Rail	Truck	From Farmers <u>1/</u>	Origin Outside Kansas	Rail	Truck	From Farmers <u>1/</u>	Origin Outside Kansas
	Percent of Total Receipts <u>2/</u>							
	Wheat				Corn			
NW	-	100	100	3	-	100	100	2
WC	-	100	80	7	-	100	100	5
SW	-	100	100	4	-	100	97	1
NC	8	92	98	-	6	94	95	3
C	1	99	82	-	-	100	98	-
SC	-	100	91	3	-	100	99	-
NE	81	19	99	23	-	100	82	7
EC	35	65	69	-	5	95	63	4
SE	-	100	100	4	-	100	68	7
State	8	92	90	5	1	99	91	3
<hr/>								
Sm Ctry Houses	-	100	92	3	-	100	93	1
Lrg Ctry Houses	13	86	88	5	2	98	91	3
	Sorghum				Soybeans			
NW	-	100	100	1	-	100	100	-
WC	-	100	96	-	-	100	56	-
SW	-	100	88	2	-	100	82	-
NC	6	94	98	-	15	85	100	-
C	-	100	94	-	-	100	100	-
SC	-	100	97	-	-	100	100	1
NE	1	99	74	16	-	100	99	3
EC	-	100	66	-	-	100	78	-
SE	-	100	100	2	18	82	100	3
State	1	99	89	2	4	96	90	1
<hr/>								
Sm Ctry Houses	-	100	94	1	-	100	100	3
Lrg Ctry Houses	2	98	85	4	8	92	83	-

1/ Percent of truck receipts which were received from farmers. 2/ May not add to 100 percent due to rounding.

GRAINS RECEIVED AT KANSAS ELEVATORS 1/ 2/

BY YEAR, BY TRANSPORT MODE

Crop/Year	Rail	Truck	From Farmers 3/	Origin Outside Kansas
Percent of Total Receipts				
Wheat				
1987	28	72	56	4
1988	35	65	71	10
1989	19	81	79	5
1990	20	80	77	8
1991	16	84	74	5
1992	23	77	71	8
1997	6	94	74	4
1998	8	92	90	5
Corn				
1987	30	70	56	33
1988	16	84	90	15
1989	13	87	90	15
1990	20	80	93	19
1991	5	95	90	10
1992	7	93	77	12
1997	1	99	93	3
1998	1	99	91	3
Sorghum				
1987	7	93	90	5
1988	22	78	84	12
1989	19	81	81	11
1990	16	84	82	11
1991	12	88	86	9
1992	13	87	78	7
1997	3	97	76	3
1998	1	99	89	2
Soybeans				
1987	10	90	72	*
1988	13	87	82	13
1989	22	78	59	27
1990	27	73	74	20
1991	10	90	81	15
1992	11	89	75	19
1997	7	93	54	23
1998	4	96	90	1

1/ No data collected in 1993-1996. 2/ For years prior to 1997, the data applied to July-June periods. 3/ Percent of truck receipts which were received from farmers. * Less than .5 percent

**GRAINS SHIPPED FROM KANSAS ELEVATORS
BY DISTRICT, BY TRANSPORT MODE
JUNE 1, 1998-MAY 31, 1999**

District/ Type of Elevator	Rail	Truck	Unit Train <u>1/</u>	Rail	Truck	Unit Train <u>1/</u>
	Percent of Total Shipments <u>2/</u>					
	Wheat			Corn		
NW	67	33	43	4	96	2
WC	75	25	64	10	90	5
SW	45	55	12	-	100	-
NC	39	61	13	71	29	71
C	24	76	8	10	90	-
SC	20	80	9	13	87	6
NE	15	85	2	6	94	-
EC	88	12	63	65	35	64
SE	19	81	4	-	100	-
State	47	52	29	21	79	18
Sm Ctry Houses	26	74	8	7	93	2
Lrg Ctry Houses	63	37	43	25	75	23
	Sorghum			Soybeans		
NW	5	95	-	-	100	-
WC	18	82	3	62	38	46
SW	17	83	5	-	100	-
NC	32	68	23	10	90	6
C	14	86	-	-	100	-
SC	30	70	27	4	96	2
NE	13	87	1	22	78	2
EC	88	12	48	41	59	28
SE	18	82	3	39	61	2
State	41	59	22	29	71	13
Sm Ctry Houses	16	84	6	20	80	2
Lrg Ctry Houses	54	46	30	35	65	21

1/ Included in rail. 2/ May not equal 100 percent due to rounding.

**GRAINS SHIPPED FROM KANSAS ELEVATORS 1/ 2/
BY YEAR, BY TRANSPORT MODE**

Crop/Year	Rail	Truck	Barge <u>3/</u>	Unit Train <u>4/</u>
	Percent of Total Receipts <u>5/</u>			
Wheat				
1987	77	23	-	29
1988	80	20	*	37
1989	69	30	1	22
1990	63	37	-	28
1991	65	34	*	28
1992	68	32	-	32
1997	53	47	-	36
1998	47	52	-	29

Corn				
1987	58	42	-	40
1988	38	62	-	6
1989	32	68	*	11
1990	38	62	-	8
1991	20	80	*	8
1992	33	67	-	11
1997	13	87	-	4
1998	21	79	-	18

Sorghum				
1987	43	57	-	8
1988	61	39	*	26
1989	64	36	*	27
1990	65	35	-	23
1991	58	42	-	32
1992	48	52	-	19
1997	43	57	-	33
1998	41	59	-	22

Soybeans				
1987	43	57	-	8
1988	61	39	*	26
1989	64	36	*	27
1990	65	35	-	23
1991	58	42	-	32
1992	48	52	-	19
1997	43	57	-	33
1998	29	71	-	13

1/ No data collected in 1993-1996. 2/ For years prior to 1997, the data applied to July-June periods. 3/ Data not collected for 1992. 4/ Included in rail. 5/ May not equal 100 percent due to rounding. * Less than .5 percent.

WHEAT RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS

JUNE 1, 1998-MAY 31, 1999

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments <u>1/</u>			
NW	18	2	80
WC	11	11	78
SW	36	9	55
NC	15	-	85
C	91	4	5
SC	27	34	39
NE	74	26	-
EC	-	-	100
SE	100	-	-
State	19	8	74

Sm Ctry Houses	42	13	45
Lg Ctry Houses	13	6	81

1/ May not equal 100 percent due to rounding.

CORN RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS

JUNE 1, 1998-MAY 31, 1999

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments <u>1/</u>			
NW	50	-	50
WC	-	-	100
SW	-	-	-
NC	1	-	99
C	100	-	-
SC	75	7	17
NE	100	-	-
EC	2	-	98
SE	-	-	-
State	12	1	87

Sm Ctry Houses	47	6	48
Lg Ctry Houses	9	*	91

1/ May not equal 100 percent due to rounding. * Less than 0.5 percent.

SORGHUM RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS

JUNE 1, 1998-MAY 31, 1999

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments ^{1/}			
NW	-	-	100
WC	1	70	30
SW	79	-	22
NC	6	-	94
C	83	-	17
SC	6	60	35
NE	84	16	-
EC	1	-	99
SE	100	-	-
State	11	9	80

Sm Ctry Houses	42	8	50
Lg Ctry Houses	6	9	85

^{1/} May not equal 100 percent due to rounding.

SOYBEAN RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS

JUNE 1, 1998-MAY 31, 1999

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments ^{1/}			
NW	-	-	-
WC	-	100	-
SW	-	-	-
NC	4	-	96
C	-	-	-
SC	-	100	-
NE	85	15	-
EC	2	9	90
SE	100	-	-
State	36	12	52

Sm Ctry Houses	89	11	-
Lg Ctry Houses	13	13	74

^{1/} May not equal 100 percent due to rounding.

MAJOR DESTINATIONS BY RAIL
JUNE 1, 1998-MAY 31, 1999

By Districts											By Type of Elevator	
Crop/Destination	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses
Percent of Total Shipments <u>1/</u>												
Wheat												
Hutchinson, Kansas		0.6	0.5		12.2	5.9				1.4	3.0	0.9
Kansas City, KS & MO	38.4	13.9	3.2	7.0	60.6	3.9	38.4		61.0	12.5	27.7	8.6
Topeka, Kansas							23.8			0.1	0.6	
Wichita, Kansas		6.3	2.1		9.8	10.0				3.5	10.9	1.6
Other Kansas	24.1	30.8		4.6	11.8	19.3				13.6	3.3	16.2
California			4.8							0.5		0.7
Illinois	8.1					0.4				0.6	0.2	0.8
Louisiana				11.3						1.1		1.4
St. Joseph					1.7		37.8			0.3	1.4	
St. Louis, Missouri		1.0			3.0	4.8				0.8	2.7	0.4
Nebraska				1.8						0.2	0.8	
Enid		3.1	16.8			0.3			39.0	3.3	2.4	3.5
Port of Catoosa, OK									12.2	0.1		0.2
Texas Gulf Ports	1.9	27.8	4.5	11.3		5.3		100.0		37.0	3.7	45.5
All Other Destinations	27.5	16.5	68.1	64.0	0.9	50.1				25.0	43.3	20.2
Corn <u>2/</u>												
Atchison, Kansas							50.0			0.1	1.5	
Topeka							50.0			0.1	1.5	
Arizona						34.0				5.1		5.6
Arkansas				100.0				20.0		15.2	3.5	16.3
California								30.0		22.3		24.5
Other Oklahoma	50.0							20.0		15.7		17.3
Texas Inland Cities					100.0	34.0				5.3	1.7	5.6
Texas Gulf Ports		42.7						30.0		25.8	38.8	24.5
All Other Destinations	50.0	57.3				32.0				10.4	53.0	6.2

1/ May not add to 100 percent due to rounding. 2/ No rail shipments reported in Southwest and Southeast Districts.

MAJOR DESTINATIONS BY RAIL

JUNE 1, 1998-MAY 31, 1999

By Districts											By Type of Elevator	
Crop/Destination	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses
Percent of Total Shipments <u>1/</u>												
Sorghum <u>2/</u>												
Atchison, Kansas							2.5			0.1	0.4	
Hutchinson, Kansas					35.8					1.4	5.8	0.7
Kansas City, KS & MO		0.6			0.2		29.3			0.7	4.9	
Salina, Kansas				2.2	7.9					0.6	2.5	0.3
Topeka, Kansas							39.5			0.9	6.3	
Wichita, Kansas					7.9		21.5			0.8	4.2	0.3
Kansas Feedlots		29.9				3.0				1.7	10.0	0.3
Other Kansas					3.7					0.1	0.4	0.1
Arizona							0.2					
Arkansas									77.8	1.1	2.7	0.8
California				1.2				7.9		5.1		5.9
Louisiana								30.3		19.0		22.1
Mississippi				1.7						0.2	1.5	
St. Joseph							6.8			0.2	1.1	
Other Missouri									13.3	0.2	1.3	
Nebraska				1.8						0.2	1.6	
Port of Catoosa									9.0	0.1		0.1
Oklahoma Feedlots			10.8							0.4		0.5
Pennsylvania							0.2					
Texas Inland Cities					19.7			1.1		1.5	5.6	0.8
Texas Gulf Ports				32.5	4.9	1.7		47.2		33.9	14.7	37.0
Texas Feedlots			10.8							0.4		0.5
Mexico		47.8		56.4				13.5		17.6		20.5
All Other Destinations		21.7	78.4	4.2	19.9	95.3				13.8	37.0	10.1
Soybeans <u>3/</u>												
Kansas City, KS & MO							7.0			1.0	3.4	
Fredonia, Kansas									2.0	0.4	1.5	
California								89.6		48.5		69.0
St. Joseph							93.0			13.5	45.2	
Texas Gulf Ports				96.4				6.9		7.3		10.5
Mexico		100.0						3.5		6.2		8.8
All Other Destinations				3.6					98.0	23.1	49.9	11.7

1/ May not add to 100 percent due to rounding. 2/ No rail shipments reported in Northwest District. 3/ No rail shipments reported in Northwest, Southwest, Central, and South Central Districts.

MAJOR DESTINATIONS BY TRUCK
JUNE 1, 1998-MAY 31, 1999

By Districts											By Type of Elevator	
Crop/Destination	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses
Wheat	Percent of Total Shipments <u>1/</u>											
Atchison, Kansas							11.8			0.3	0.5	
Hutchinson, Kansas		3.3	3.3		27.4	18.4				11.6	11.7	11.4
Kansas City, MO & KS	11.6	3.1	0.5	2.1	2.7	0.6	1.9	35.9	8.0	3.2	3.7	2.4
Salina, Kansas	20.0	3.1		29.4	13.2			0.7		7.0	11.6	1.0
Topeka, Kansas		0.2		1.8	4.8		86.2	25.0		3.9	4.7	2.8
Wichita, Kansas		5.8	12.8	1.2	5.7	26.3			12.0	13.1	13.9	12.0
Kansas Feedlots			18.9		0.4					2.4	0.1	5.5
Other Kansas	19.9	40.1	24.9	43.2	43.4	19.9	0.2	10.6	1.5	27.6	26.8	28.5
Georgia				0.3						0.1		
Indiana				0.3						0.1		
Iowa	4.4	2.1			0.1					0.4	0.3	0.5
Nebraska	10.1			11.7						1.9	2.1	1.7
Enid, Oklahoma						16.1			0.4	5.8	10.0	0.2
Port of Catoosa, OK					0.1	0.2			23.0	1.2	0.5	2.0
Other OK				4.7	0.1	0.8			10.6	1.4	2.2	0.4
Tennessee				0.6						0.1	0.1	
Texas Gulf Port			0.9							0.1		0.3
All Other Destinations	34.0	42.3	38.7	4.7	2.1	17.7		27.8	44.5	19.8	11.8	31.3
Corn												
Atchison, Kansas				2.1			22.7	0.3		1.5	5.5	
Emporia, Kansas							7.7	1.5		0.6	0.4	0.7
Hutchinson, Kansas						0.2					0.2	
Kansas City, MO & KS								11.3		0.8	2.5	0.1
Salina, Kansas				1.6						0.1	0.2	
Topeka, Kansas				5.6			48.0	46.3	4.2	6.4	6.7	6.3
Wichita, Kansas						0.1					0.1	
Kansas Feedlots	83.0	54.4	34.1	59.5	81.9	53.3		4.1		41.4	38.5	42.4
Other Kansas	8.2	17.0	3.7	6.3	11.8	2.7	1.0	4.0	63.5	6.4	13.3	3.8
Arkansas								7.6	2.5	0.6	1.2	0.3
CO Feedlots		0.3										0.1
Georgia				0.2								
Indiana				0.2								
IA Feedlots	1.5									0.1	0.4	
St. Joseph							19.5			1.2	4.5	
Other MO									0.6			
Nebraska	0.6										0.2	
Oklahoma Feedlots	0.4		18.3			7.4			17.3	9.1	1.5	11.9
Other Oklahoma				20.8	1.4	11.1	1.1	1.8	11.2	3.2	9.0	1.0
Tennessee				0.4							0.1	
Texas Feedlots	5.5		20.9							9.2	12.0	8.2
All Other Destinations	0.8		23.0	3.3	4.9	25.2		23.1	0.7	19.4	3.7	25.2

1/ May not add to 100 percent due to rounding.

MAJOR DESTINATIONS BY TRUCK
JUNE 1, 1998-MAY 31, 1999

By Districts											By Type of Elevator	
Crop/Destination	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small	Large
											Ctry Houses	Ctry Houses
Percent of Total Shipments ^{1/}												
Sorghum												
Atchison, Kansas							27.5	1.7		2.9	5.7	
Hutchinson, Kansas					16.3	30.9				7.1	8.1	6.0
Kansas City, MO & KS				0.7				7.4		0.5	0.4	0.6
Salina, Kansas		0.2		22.9	17.8					7.1	11.8	2.4
Topeka, Kansas				3.1	3.0		69.2	10.7	2.4	8.7	14.4	2.9
Wichita, Kansas					5.3	8.6			19.6	2.9	4.2	1.7
Kansas Feedlots	24.6	37.3	31.0	2.4	8.9	11.8		1.5	11.0	14.6	7.9	21.4
Other Kansas	1.5	20.6	25.3	19.8	28.6	12.5		14.3	0.7	17.4	12.6	22.3
Arizona			8.1						18.8	1.1		
Arkansas					0.1		2.2	16.5		2.0	0.8	3.2
Georgia				0.4						0.1	0.2	
Indiana				0.4						0.1	0.2	
MO Feedlots									0.1			
Other MO									0.5			
Nebraska	10.1			16.4						3.2	3.4	3.1
Enid					0.8	5.4				0.9		
Port of Catoosa					0.9				7.9	0.5		0.7
Oklahoma Feedlots			4.4						0.1	0.6		0.3
Other Oklahoma			0.7	6.9		5.3	1.1	4.0	16.7	3.1		1.3
South Dakota				4.4						0.8		
Tennessee				0.9						0.2		
Texas Feedlots			6.8							0.9		0.9
Pacific North West			2.0							0.3		0.5
All Other Destinations	63.8	41.9	21.7	21.7	18.3	25.5		43.9	22.2	25.0	30.3	32.7
Soybeans												
Atchison, Kansas							3.3			0.7	1.4	
Emporia, Kansas				44.8	12.2		38.2	42.5	29.7	31.7	32.3	31.0
Fredonia, Kansas								3.0	28.0	4.9	6.2	3.6
Hutchinson, Kansas					2.4	13.7				1.6		3.1
Kansas City, MO & KS	3.1				26.0		0.5	10.3		5.0	3.0	6.9
Salina, Kansas				2.5						0.3	0.7	
Topeka, Kansas							15.4	0.5		3.4	4.9	1.9
Wichita, Kansas	92.4	19.2	49.2	24.9	48.6	43.2		2.6	25.3	17.5	16.8	18.1
Kansas Feedlots		53.0				4.4		1.0	1.8	4.6	1.2	2.0
Other Kansas	4.5	8.6	33.4	8.1	9.2	29.7	0.6	1.1		6.4	4.5	8.1
Georgia				0.6						0.1	0.2	
Indiana				0.6						0.1	0.2	
St. Joseph							42.0			8.8	17.6	0.3
Nebraska				0.6						0.1	0.2	
Port of Catoosa, OK									4.9	0.7	0.5	0.9
Other OK				10.0					10.4	2.8	5.7	
Tennessee				1.3						0.2	0.3	
All Other Destinations		19.2	17.4	6.6	1.6	9.0		39.0		11.1	4.3	24.1

^{1/} May not add to 100 percent due to rounding.

MAJOR DESTINATIONS, HISTORIC 1/ 2/

By Districts								
Crop/Destination	1987	1988	1989	1990	1991	1992	1997	1998
	Percent of Total Shipments <u>3/</u>							
Wheat								
Hutchinson, Kansas	5.1	3.4	7.0	3.5	5.3	5.7	10.2	6.7
Kansas City, MO & KS	21.6	17.7	26.6	22.1	15.9	16.0	9.5	7.5
Salina, Kansas	3.6	4.2	7.0	6.6	6.1	5.5	8.9	3.7
Topeka, Kansas	2.3	2.5	5.4	5.8	4.2	2.7	3.3	2.1
Wichita, Kansas	8.9	6.3	11.6	6.3	4.5	7.2	15.1	8.5
Kansas Feedlots								1.3
Other Kansas	7.4	10.4	15.9	17.5	18.3	33.0	20.3	21.0
Louisiana								0.5
Nebraska	0.2	0.3	0.5	0.5	1.0	1.3	1.7	1.1
Enid, Oklahoma	5.0	1.6	2.3	1.0	0.7	0.4	2.0	4.6
Port of Catoosa, Oklahoma	0.1	0.5	0.4	1.3	1.2	0.6	1.3	0.7
Other Oklahoma								0.8
Texas Gulf Ports	41.8	19.2	14.8	20.7	24.8	14.1	19.3	17.7
Mexico		1.6	2.7	2.7	3.4	2.7	1.4	0.8
All Other Destinations	3.0	31.8	4.3	10.4	12.6	5.4	1.3	23.0
Corn								
Atchison, Kansas	2.3	1.3	0.8	1.2	0.3	1.0	1.0	1.3
Emporia, Kansas	0.1	0.1	0.1				0.5	0.5
Kansas City, MO & KS	12.0	2.8	2.3	3.4	1.1	1.3	0.5	0.7
Topeka, Kansas	0.4	4.5	1.6	3.0	0.1	4.2	3.7	5.5
Kansas Feedlots	45.7	36.6	48.3	34.6	47.7	26.9	44.8	35.4
Other Kansas	3.5	9.9	10.1	17.6	19.3	43.7	19.0	5.5
Arizona								0.7
Arkansas	7.3	9.7	13.5	23.9	1.8	7.0	4.6	2.7
California <u>4/</u>	7.4	1.4	2.6	1.8	0.4			3.2
Oklahoma Feedlots	4.0	2.2	2.7	2.3	8.5	5.5	3.4	7.7
Other Oklahoma	4.7	2.3	7.8	3.0	1.7	1.6	4.8	5.0
St. Joseph								1.0
Texas Feedlots	3.3	7.1	5.4	4.2	4.3	1.9	7.5	7.9
Texas Gulf Ports	1.3	13.7	*		2.6	1.3	0.5	3.7
Texas Inland Cities	2.5	5.7	2.9	1.4	6.9	1.7	6.7	0.8
All Other Destinations	5.5	2.7	1.9	3.6	5.3	3.8	1.5	18.4

1/ No data collected in 1993-1996. 2/ Data prior to 1997 was for the period July-June. 3/ May not add to 100 percent due to rounding. 4/ Includes feedlots. * Less than .1 percent.

MAJOR DESTINATIONS, HISTORIC 1/ 2/

By Districts								
Crop/Destination	1987	1988	1989	1990	1991	1992	1997	1998
	Percent of Total Shipments <u>3/</u>							
Sorghum								
Atchison, Kansas	0.3	0.7	1.5	1.8	1.4	0.9	1.6	1.7
Hutchinson, Kansas	17.5	2.4	5.6	3.8	2.6	6.9	8.7	4.8
Kansas City, MO & KS	3.2	8.7	11.9	9.2	6.1	6.6	1.0	0.6
Salina, Kansas	0.8	1.7	3.2	3.8	1.8	6.5	9.2	4.5
Topeka, Kansas	5.3	1.9	2.2	1.9	2.5	5.6	5.3	5.5
Wichita, Kansas	0.5	1.0	2.7	1.1	0.8	2.3	3.1	2.1
Kansas Feedlots	40.6	17.6	24.2	14.0	19.2	8.1	7.7	9.4
Other Kansas	6.8	13.8	9.8	19.2	19.4	31.4	17.7	10.4
Arizona								0.6
Arkansas	0.8	5.3	8.3	11.6	3.5	3.9	6.8	1.6
California	6.7	4.7	2.2	1.8	2.4	0.1	1.8	2.1
Louisiana							0.6	7.7
Nebraska			0.1		0.2	0.3	1.2	2.0
Enid								0.5
Oklahoma Feedlots	0.1	1.2	2.2	0.9	0.5	0.1	0.9	0.5
Other Oklahoma							3.6	1.9
South Dakota								0.5
Texas Feedlots	0.1	2.5	1.3	0.9	2.4	0.4	0.6	0.7
Texas Gulf Ports	3.0	8.7	9.2	10.5	1.9	8.4	17.9	13.7
Texas Inland Cities	0.1	20.2	4.3	3.1	6.9	0.2	1.4	0.6
Mexico	1.5	2.4	5.3	10.3	18.6	7.3	9.3	7.1
All Other Destinations	12.7	7.2	6.0	6.1	9.8	1.1	1.6	21.5
Soybeans								
Atchison, Kansas	0.3		0.4	1.1	0.5		1.1	0.5
Emporia, Kansas	18.1	28.3	30.1	24.5	28.6	24.2	22.1	22.6
Fredonia, Kansas	32.6	7.7	8.6	6.6	8.1	7.0	8.1	3.6
Hutchinson, Kansas			*	0.9	1.2	0.9	2.5	1.1
Kansas City, MO & KS	3.3	7.4	15.4	22.1	4.1	8.0	7.6	3.9
Topeka, Kansas	0.2	0.4	1.6	1.1	1.0	3.3	5.4	2.4
Wichita, Kansas	8.2	23.1	25.8	11.0	13.7	8.9	22.1	12.5
Kansas Feedlots							0.8	1.1
Other Kansas	1.3	3.9	0.7	4.5	12.4	17.7	4.3	4.5
California								13.8
St. Joseph, Missouri	1.5	4.9	4.7	3.3	4.8	3.0	7.7	10.1
Port of Catoosa, Oklahoma							2.9	0.5
Other Oklahoma								2.0
Texas Gulf Ports	0.6		2.2	1.4	8.5	2.6	3.4	2.1
Mexico	11.6	13.5		21.9	16.5	19.7	8.5	1.8
All Other Destinations	20.6	9.5	10.1	0.7	0.4	3.6	0.2	17.5

1/ No data collected in 1993-1996. 2/ Data prior to 1997 was for period July-June.. 3/ May not add to 100 percent due to rounding. * Less than .1 percent.

GRADING AND SAMPLING

Over 92 percent of the responding elevators sample incoming grain. Of those sampling, the most commonly used method of extracting samples was hand probe. Factors commonly tested include moisture, test weight, foreign material, protein content, insect infestation, and dockage.

PERCENT OF KANSAS ELEVATORS SAMPLING GRAIN ON RECEIVING BY DISTRICT JUNE 1, 1998-MAY 31, 1999

Crop/Destination	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small	Large
											Ctry	Ctry
	Houses											
Percent of Elevators Receiving Grain												
Did Sampling	92	87	100	100	91	94	83	87	94	92	90	98
Extracted Samples by ^{1/}												
	Hand Probe	73	77	44	65	74	73	80	92	93	74	76
Mechanical	27	38	56	50	32	39	40	15	20	37	29	58
Grading Factors Tested												
Moisture	100	100	100	100	100	100	100	100	100	100	100	100
Test Weight	100	100	100	100	100	98	100	100	100	99	99	100
Foreign Material	91	62	75	85	90	90	100	92	67	86	86	85
Protein Content	36	31	25		10	14	5	8		13	10	19
Oil Content												
Insect Infestation	64	62	31	65	74	63	85	62	60	64	67	58
Dockage	64	69	88	75	81	84	70	85	40	76	73	83
Other	9	31	25	15	10	27	50	38	20	25	23	29
Milling Quality/ Variety Specific	-	8	6	-	3	2	5	-	7	3	4	-
Organic/Pesticide Free	-	-	6	-	-	2	-	-	7	2	1	2

^{1/} May exceed 100 percent if elevators reported using more than one method for sampling grain.

KANSAS ELEVATORS SAMPLING GRAIN SHIPMENTS FOR GRADE DETERMINATION ^{1/} BY DISTRICT, JUNE 1, 1998-MAY 31, 1999

District/ Type of Elevator	Sampling Rail Shipments	Sampling Truck Shipments	Sample Obtained by		Sampling Done by			Grade Determined by ^{2/}		
			Hand Probe	Mechan. Pneumatic	Employee	Contract Sampler	KGID (State)	KGID (State)	Other	
Percent of Elevators ^{3/}										
NW	100	25	100	13	25	13	88	100	-	
WC	100	29	100	43	36	36	64	100	7	
SW	73	27	93	20	33	7	60	93	7	
NC	82	27	82	27	27	9	73	100	-	
C	84	28	80	32	48	64	36	92	12	
SC	78	44	94	18	44	39	44	82	35	
NE	85	31	85	23	25	25	67	92	15	
EC	50	67	50	50	50	-	50	50	50	
SE	80	20	100	-	40	80	-	80	20	
State	83	32	88	26	38	33	54	90	15	

Sm Ctry	81	32	91	14	38	37	53	88	17	
Lrg Ctry	85	33	82	44	37	28	54	93	11	

^{1/} Sampling of barge shipments not published due to insufficient data. ^{2/} Grade determination by FGIS (Federal) included in Other. ^{3/} May exceed 100 percent if elevators reported using more than one method for sampling grain.

Eighty-three percent of those elevators responding stated they sampled rail shipments and 32 percent sampled truck shipments. The most commonly used method of sampling was by hand probe with 88 percent. Thirty-eight percent replied that the sampling was done by an employee. Fifty-four percent of elevators used Kansas Grain Inspection Service, Inc. to sample shipments. Thirty-three percent had sampling performed by a contract sampler. KGIS determined 90 percent of the grades.

**KANSAS ELEVATORS SAMPLING GRAIN SHIPMENTS 1/ 2/
FOR GRADE DETERMINATION, BY YEAR**

Crop Year/ Type of Elevator	Percent of Elevators Sampling		Of Elevators Sampling, Percent Using		
	Rail <u>3/</u>	Truck <u>3/</u>	FGIS (Federal)	KGIS (State)	Other <u>4/</u>
1987 State Av.	62	10	6	98	
1988 State Av.	70	9	11	96	
1989 State Av.	88	17	4	97	
Sm Ctry Houses	87	16	4	97	
Lg Ctry Houses	92	15	2	98	
Terminals	100	100		100	
1990 State Av.	84	18	2	99	
Sm Ctry Houses	83	17	1	99	
Lg Ctry Houses	82	21	5	97	
Terminals	100	63	8	100	
1991 State Av.	92	19	8	98	
Sm Ctry Houses	93	17	6	98	
Lg Ctry Houses	93	30	10	95	
Terminals	75	60	33	100	
1992 State Av.	92	23	5	89	8
Sm Ctry Houses	90	20	4	88	9
Lg Ctry Houses	100	37	12	93	2
Terminals	78	100	14	100	
1997 State Av.	74	42	1	82	25
Sm Ctry Houses	73	41	1	82	20
Lg Ctry Houses	75	44	-	81	29
1998 State Av.	83	32	2	90	13
Sm Ctry Houses	81	32	1	88	16
Lg Ctry Houses	85	33	2	93	9

1/ No data collected in 1993-1996. 2/ For years prior to 1997, the data applied to July-June periods. 3/ The method for calculating these percentages has been revised. Starting in 1989, the percentages of elevators sampling shipments by specific modes (rail and truck) are derived using only elevators which made shipments by that mode. Prior to 1989, the percentages represent all elevators. The "rail or truck" column remains a percentage of all elevators and is unaffected by this change. 4/ Data first collected in 1992.

GRAIN QUALITY ADJUSTMENTS

The 1998 Grain Transportation survey collected information about price deductions or premiums paid for the four grains targeted in the questionnaire. Price discounting was reported for all of the grains. Fifty percent of the elevators reporting indicated that they started discounting the price paid for wheat at an average of 0.6 percent dockage. For corn, 14 percent of the elevators said they started discounting price at an average of 1.9 percent dockage. Ten percent of the reporting Kansas elevators stated that discounts on sorghum began at an average of 1.1 percent dockage. Finally, 29 percent of the elevators reporting indicated that soybean price discounts started at an average of .8 percent dockage.

Information regarding premiums paid for wheat, corn, and soybeans was also collected. Of the elevators responding, premiums were reported being paid only for wheat. Three percent of the elevators responding statewide reported offering premiums for wheat. Elevators indicated that they began paying a price premium at an average of 12 percent protein.

DOCKAGE RESULTING IN PRICE DISCOUNT, 1998 KANSAS GRAIN MARKETED, BY DISTRICT

Crop/District	% Reporting Discount for Dockage	Dockage % at Which Discount Began	Avg. % at Which Discount Began	% Reporting Discount for Dockage	Dockage % at Which Discount Began	Avg. % at Which Discount Began
		Range			Range	
Wheat			Corn ^{1/}			
NW	62	0.1-5.0	0.9	-		
WC	60	0.1-0.6	0.3	20	0.1-2.1	0.9
SW	59	0.1-1.0	0.5	18	0.1-5.1	2.1
NC	41	0.1-1.0	0.5	-		
C	59	0.1-1.0	0.6	13	3.0-5.0	4.6
SC	75	0.1-4.0	0.6	26	0.1-4.0	0.9
NE	-			-		
EC	25	0.1-1.1	0.6	-		
SE	35	0.1-1.5	0.6	-		
State	50	0.1-5.0	0.6	14	0.1-5.1	1.9
Sorghum ^{1/}			Soybeans ^{1/}			
NW	-			-		
WC	27	0.1-3.0	1.0	-		
SW	-			-		
NC	-			36	0.1-1.0	0.8
C	-			31	0.1-1.0	0.8
SC	18	0.1-3.0	1.0	37	1.0-2.0	0.7
NE	-			37	1.0-2.1	1.1
EC	-			20	0.1-1.0	0.6
SE	15	0.3-1.0	0.6	45	0.1-1.1	0.7
State	10	0.1-5.1	1.1	29	0.1-2.1	0.8

^{1/} Some districts were not published due to insufficient data.

GRAIN PROCESSING

Some elevators process grain for feed on site. Corn or sorghum are the usual grains processed for feed. For the crop year June 1998-May 1999, 4 percent of the corn and 7 percent of the sorghum received at elevators was processed on site into feed. A small percentage of wheat was processed for feed, but a much larger percent of wheat was processed on site for flour. For the 1998 crop year, 10 percent of the total wheat received at elevators was processed for flour. Elevators reported processing 52 percent of soybeans received on site. Most of the soybeans processed were on reports from the East Central District. Too few reports were obtained to publish soybean processing data by district.

GRAIN PROCESSED ON SITE AT KANSAS ELEVATORS BY DISTRICT JUNE 1, 1998-MAY 31, 1999

District/ Type of Elevator	Percent of Total Receipts Processed for Feed				Percent of Total Receipts Processed for Flour
	Wheat	Corn	Sorghum	Soybeans	Wheat <u>1/</u>
NW		3	5		
WC		2	4		
SW	*	1	1		
NC		4	10		
C	*	22	13		<u>2/</u>
SC	*	5	6	<u>2/</u>	8
NE	*	13	7	<u>2/</u>	<u>2/</u>
EC		3	3		
SE	*	16	23	<u>2/</u>	
State	*	4	7	33	10
Sm Ctry Houses	*	9	7	1	<u>2/</u>
Lrg Ctry Houses	*	3	7	<u>2/</u>	12

1/ Data first collected in 1992. 2/ Not published due to insufficient data. * Less than .5 percent.

GRAINS PROCESSED ON SITE AT KANSAS ELEVATORS, BY YEAR 1/ 2/

Crop Year/ Type of Elevator	Percent of Total Receipts Processed for Feed				Percent of Total Receipts Processed for Flour
	Wheat <u>3/</u>	Corn	Sorghum	Soybeans	Wheat <u>4/</u>
1987 State Av.		8	5		
1988 State Av.		8	10		
1989 State Av.		10	8		
Sm Ctry Houses		18	16		
Lg Ctry Houses		4	3		
1990 State Av.		8	11		
Sm Ctry Houses		14	19		
Lg Ctry Houses		4	4		
1991 State Av.		11	13		
Sm Ctry Houses		16	22		
Lg Ctry Houses		8	7		
1992 State Av.		9	10		13
Sm Ctry Houses		14	17		8
Lg Ctry Houses		5	5		13
Terminals		2			21
1997 State Av.	1	5	5		8
Sm Ctry Houses	2	7	7		9
Lg Ctry Houses	-	4	4		8
1998 State Av.	*	4	7	33	10
Sm Ctry Houses	*	9	7	1	5
Lg Ctry Houses	*	3	7	47	12

1/ No data collected in 1993-1996. 2/ For years prior to 1997, the data applied to July-June periods. 3/ Data on wheat processed for feed first collected in 1997. 4/ Data first collected in 1992.

STORAGE CAPACITY UTILIZATION

When the new marketing year began on June 1, 1998, 8 percent of the utilized off-farm storage capacity in Kansas was taken up by government-owned grain, 45 percent by farmer-owned grain, and 47 percent by company-owned grain. Based on the June 1 stocks report, elevators had approximately 205 million bushels of wheat, corn, sorghum, and soybeans on hand.

UTILIZATION OF KANSAS COMMERCIAL GRAIN STORAGE CAPACITY BY DISTRICT, JUNE 1, 1998

District/ Type of Elevator	Government Owned Grain	Farmer Owned Grain	Company Owned Grain
	Percent of Stored Grain		
NW	13	70	17
WC	11	72	17
SW	2	71	27
NC	8	79	13
C	2	17	81
SC	5	72	22
NE	1	68	31
EC	39	37	24
SE	-	56	44
State	8	45	47
Sm Ctry Houses	5	77	18
Lrg Ctry Houses	9	37	55

MARKETING DECISIONS

Decisions to buy grain were made locally by 84 percent of the elevators responding to this survey. Decisions to sell grain and set cash prices were made on site by 72 percent of the elevators. The average number of bids considered in setting prices was four during the year. Twenty-five of Kansas' responding elevators reported they did utilize differential grain pricing at individual locations. Also, 121 responded positively to offering formal farmer marketing programs.

GRAIN MARKETING DECISIONS MADE AT KANSAS ELEVATORS BY DISTRICT, JUNE 1, 1998-MAY 31, 1999

District/ Type of Elevator	To Buy Grain	To Sell Grain	To Set Cash Grain Prices	If Prices Set, Average No of Bids Considered
	Percent of Elevators Making			
NW	100	100	100	4
WC	93	73	73	4
SW	94	71	88	4
NC	91	77	73	4
C	64	44	49	4
SC	72	68	61	5
NE	93	85	67	3
EC	100	85	95	4
SE	100	85	95	4
State	84	72	72	4
Sm Ctry Houses	80	71	67	4
Lrg Ctry Houses	95	77	84	5

GRAIN MARKETING DECISIONS MADE AT KANSAS ELEVATORS, BY YEAR 1/ 2/

Crop Year/ Type of Elevator	To Buy Grain	To Sell Grain	To Set Cash Grain Prices	If Prices Set, Avg. No. of Bids Considered
Percent of Elevators Making Decisions on Site				
1987 State Av.	78	66	63	4
1988 State Av.	78	72	70	4
1989 State Av.	77	69	68	4
Sm Ctry Houses	77	69	66	4
Lg Ctry Houses	81	77	80	5
Terminals	59	41	53	3
1990 State Av.	78	70	68	4
Sm Ctry Houses	79	70	69	4
Lg Ctry Houses	79	75	77	5
Terminals	59	41	53	3
1991 State Av.	76	69	65	4
Sm Ctry Houses	74	67	62	4
Lg Ctry Houses	90	78	86	5
Terminals	78	78	22	3
1992 State Av.	76	66	63	4
Sm Ctry Houses	74	65	60	3
Lg Ctry Houses	94	86	86	5
Terminals	50	30	60	6
1997 State Av.	95	76	77	4
Sm Ctry Houses	94	78	76	4
Lg Ctry Houses	97	74	80	6
1998 State Av.	84	72	72	4
Sm Ctry Houses	80	74	67	4
Lg Ctry Houses	95	77	84	5

1/ No data collected 1993-96. 2/ For years prior to 1997, the data applied to July-June periods.

RAIL SERVICE

Rail service was available from June 1, 1998 to May 31, 1999 to 62 percent of the elevators responding to this survey, but only 48 percent of the elevators actually used rail service. Of the small country elevators, 47 percent had no rail service access, 13 percent did not use rail service although it was available, and 41 percent used rail cars to ship grain. Fourteen percent of the large elevators did not have access to rail service, 17 percent did not use rail service even though it was an option, and 69 percent of the large elevators used rail service.

On the average, service was available four times per week at both small country elevators and large country elevators. The siding capacity averaged 13 cars at small country elevators and 31 cars at large country elevators.

Single car service was used by 69 percent of elevators with rail service, while unit train usage was reported by 25 percent. The average number of cars per unit train, as reported by the survey, was 31. The need for rail cars always seemed to be greater than the number of cars received. The following tables reflect those shortages during peak usage times.

RAIL SERVICE USE BY KANSAS ELEVATORS

District/ Type of Elevator	No Rail Service Available	Elevators That Use Rail Service	Elevators That Do Not Use Rail Service Though Available
	Percent ^{1/}		
NW	23	62	15
WC	7	87	7
SW	38	44	19
NC	59	36	5
C	28	64	8
SC	39	40	21
NE	37	48	15
EC	60	30	10
SE	40	40	20
State	38	48	14
<hr style="border-top: 1px dashed black;"/>			
Sm Ctry Houses	47	41	13
Lg Ctry Houses	14	69	17

^{1/} May not add to 100 percent due to rounding.

**RAIL SERVICE AVAILABILITY TO KANSAS ELEVATORS
BY DISTRICT, JUNE 1, 1998-MAY 31, 1999**

District/ Type of Elevator	Elevators Which Use Rail Service	June- August 1998	Sept.- Nov. 1998	Dec.- Feb. 1999	March- May 1999	Available Only When Called	Average Siding Capacity
	Percent	Times Per Week Rail Service Available				Percent	No./Cars
NW	62	1	1	1	1	63	20
WC	87	3	3	3	3	15	33
SW	44	9	9	9	9	57	20
NC	36	4	3	3	4		14
C	64	4	4	4	4	20	19
SC	40	7	7	7	7	30	18
NE	48	4	3	4	3	15	122
EC	30	5	5	5	5	17	45
SE	40	4	4	6	5	13	10
State	48	4	4	4	4	24	20
Sm Cntry Houses	41	4	4	5	4	21	13
Lg Cntry Houses	69	4	4	4	4	30	31

RAIL SERVICE AVAILABILITY TO KANSAS ELEVATORS, BY YEAR, 1/ 2/

District/ Type of Elevator	Elevators Which Use Rail Service	June-Aug.	Sept.- Nov.	Dec.- Feb.	March- May	Available Only When Called	Average Siding Capacity
	Percent	Times Per Week Rail Service Available				Percent	No./Cars
1987 State Av.	88	3	3	3	3	NA	13
1988 State Av.	86	4	4	4	4	33	13
1989 State Av.	85	4	3	3	4	28	14
Sm Ctry Houses	83	3	3	3	3	32	11
Lg Ctry Houses	96	4	5	4	4	15	21
Terminals	100	6	6	6	6	6	35
1990 State Av.	74	3	3	3	3	23	15
Sm Ctry Houses	71	3	3	3	3	24	11
Lg Ctry Houses	85	4	4	4	4	18	20
Terminals	88	5	5	5	5	7	69
1991 State Av.	81	3	3	3	3	8	13
Sm Ctry Houses	74	3	3	3	3	8	10
Lg Ctry Houses	85	4	4	4	4	10	20
Terminals	99	6	6	6	6		52
1992 State Av.	68	3	3	3	3	10	14
Sm Ctry Houses	65	3	3	3	3	10	11
Lg Ctry Houses	86	4	4	4	4	12	20
Terminals	90	6	6	6	6		52
1997 State Av.	54	3	3	3	3	25	19
Sm Ctry Houses	46	3	3	3	3	26	11
Lg Ctry Houses	72	4	4	4	4	24	30
1998 State Av.	48	4	4	4	4	24	20
Sm Ctry Houses	41	4	4	5	4	21	13
Lg Ctry Houses	69	4	4	4	4	30	31

1/ No data collected 1993-96. 2/ For years prior to 1997, the data applied to July-June periods.

**RAIL SERVICES USED BY KANSAS ELEVATORS BY DISTRICT 1/
JUNE 1, 1998-MAY 31, 1999**

District/Type of Elevator	Of Elevators With Rail Service, Percent Using:			
	Single Cars	Unit Train	Avg. No. of Cars in Unit Train	Minimum Volume Contract
	Percent		No. of Cars	
NW	90	40	46	13
WC	79	43	42	38
SW	60	20	2/	-
NC	78	44	41	-
C	82	11	10	-
SC	60	20	17	22
NE	71	24	10	-
EC	38	50	63	-
SE	50	17	2/	-
State	69	25	31	10
Sm Cntry Houses	72	15	15	9
Lg Cntry Houses	64	42	40	11

1/ A questionnaire design change in the 1997 survey makes the 1997 data incompatible with the historic series. 2/ Data not published due to insufficient number of reports.

RAIL SERVICE DURING PEAK USAGE TIMES

District/Type of Elevator	Average Number of Cars Per Week							
	June - August		Sept. - Nov.		Dec. - Feb.		March - May	
	Needed	Rec'd	Needed	Rec'd	Needed	Rec'd	Needed	Rec'd
NW	19	19	6	5	3	3	5	4
WC	32	24	22	20	14	14	20	20
SW	59	39	16	16	3	3	1	1
NC	46	44	51	48	45	45	33	33
C	26	12	23	11	7	7	7	6
SC	37	27	10	9	6	5	6	5
NE	19	15	23	15	5	5	6	5
EC	100	84	155	122	135	135	93	93
SE	23	23	30	30	36	16	19	11
State	36	27	30	24	20	19	16	15
Sm Cntry Houses	21	14	15	10	6	4	6	5
Lg Cntry Houses	60	49	56	46	44	44	33	33

COMPANIES SUPPLYING RAIL SERVICE TO ELEVATORS

	BNSF <u>1/</u>	UPSP <u>2/</u>	Other
	Percent		
State	22	26	50
Sm Ctry Houses	19	25	51
Lg Ctry Houses	25	27	48

1/ Burlington Northern Santa Fe. 2/ Union Pacific Southern Pacific.

**RAIL SERVICES USED BY KANSAS ELEVATORS 1/ 2/
BY YEAR, JUNE 1, 1998-MAY 31, 1999 3/**

District/Type of Elevator	Of Elevators With Rail Service, Percent Using:		
	Single Cars	Unit Cars	Minimum Volume Contract
1987 State Av.	55	7	14
1988 State Av.	55	9	15
1989 State Av.	53	9	12
Sm Ctry Houses	56	6	10
Lg Ctry Houses	39	11	11
Terminals	59	71	53
1990 State Av.	48	8	11
Sm Ctry Houses	47	5	10
Lg Ctry Houses	50	9	11
Terminals	57	64	43
1991 State Av.	26	5	7
Sm Ctry Houses	24	3	5
Lg Ctry Houses	36	7	10
Terminals	40	70	50
1992 State Av.	21	4	7
Sm Ctry Houses	19	2	5
Lg Ctry Houses	32	15	15
Terminals	45	55	36
1997 State Av.	70	38	14
Sm Ctry Houses	68	30	16
Lg Ctry Houses	73	50	12
1998 State Av.	69	25	10
Sm Ctry Houses	72	15	9
Lg Ctry Houses	64	42	11

1/ No data collected 1993-96. 2/ Design change in questionnaire. 3/ For years prior to 1997, the data applied to July-June periods.



KANSAS GRAIN STOCKS, BY QUARTERS, 1997-1998

Crop/Position	September 1, 1998	December 1, 1998	March 1, 1999	June 1, 1999
	Million Bushels			
Wheat				
On Farms	60.0	31.0	30.0	10.0
Off Farms <u>1/</u>	319.3	240.4	196.8	138.6
Total <u>2/</u>	379.3	271.4	226.8	148.6

Crop/Position	December 1, 1998	March 1, 1999	June 1, 1999	September 1, 1999
	Million Bushels			
Corn				
On Farms	105.0	60.0	32.0	9.8
Off Farms <u>1/</u>	149.3	134.6	61.4	32.5
Total <u>2/</u>	254.3	194.6	93.4	42.3
Sorghum				
On Farms	51.0	33.0	12.0	6.0
Off Farms <u>1/</u>	122.0	70.7	38.4	22.7
Total <u>2/</u>	173.0	103.7	50.4	28.7
Soybeans				
On Farms	23.0	16.0	7.5	2.6
Off Farms <u>1/</u>	38.9	25.9	15.3	10.6
Total <u>2/</u>	61.9	41.9	22.8	13.2

1/ Includes stocks at mills, elevators, warehouses, terminals, and processors. 2/ May not add due to rounding.

PRICES RECEIVED BY KANSAS FARMERS FOR 1998 GRAIN SALES

Crop/District	1998							1999				
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
	Dollars per Bushel											
Wheat												
NW	2.74	2.45	2.21	2.24	2.57	2.68	2.66	2.76	2.48	2.51	2.40	2.26
WC	2.67	2.50	2.28	2.37	2.66	2.73	2.59	2.61	2.43	2.47	2.33	2.26
SW	2.68	2.52	2.26	2.38	2.69	2.77	2.61	2.74	2.47	2.48	2.36	2.28
NC	2.71	2.43	2.27	2.35	2.60	2.76	2.66	2.72	2.47	2.52	2.39	2.29
C	2.73	2.47	2.34	2.47	2.72	2.80	2.74	2.76	2.55	2.57	2.46	2.37
SC	2.70	2.53	2.31	2.39	2.73	2.84	2.69	2.77	2.50	2.55	2.47	2.35
NE	2.78	2.64	2.35	2.41	2.68	2.79	2.65	2.78	2.50	2.56	2.46	2.38
EC	2.80	2.61	2.40	2.47	2.72	2.88	2.72	2.91	2.57	2.64	2.44	2.40
SE	2.69	2.63	2.27	2.34	2.71	2.77	2.62	2.71	2.45	2.52	2.39	2.32
State	2.71	2.50	2.29	2.37	2.67	2.78	2.66	2.74	2.49	2.53	2.41	2.32

Crop/District	1998				1999							
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
	Dollars per Bushel											
Corn												
NW	1.72	1.83	1.78	1.88	1.79	1.82	1.73	1.86	1.74	1.76	1.86	1.66
WC	1.93	1.83	1.95	2.06	1.92	1.93	1.84	1.97	1.85	1.86	1.81	1.80
SW	1.70	1.95	2.07	2.16	2.02	2.01	1.98	2.08	1.97	1.95	1.95	1.98
NC	1.78	1.67	1.86	1.92	1.83	1.84	1.77	1.90	1.83	1.82	1.72	1.69
C	1.79	1.68	1.92	2.02	1.90	1.92	1.86	1.99	1.91	1.90	1.75	1.78
SC	1.73	1.81	2.02	2.06	2.13	1.99	1.90	2.03	1.95	1.92	1.88	1.87
NE	1.74	1.72	1.93	1.99	2.03	1.98	1.87	2.05	1.97	1.95	1.79	1.78
EC	1.71	1.76	2.01	2.09	2.01	1.94	1.90	2.01	1.90	1.93	1.72	1.72
SE	1.84	1.82	2.04	2.08	2.03	2.06	2.06	2.15	2.00	2.06	1.79	1.88
State	1.84	1.84	1.98	2.06	1.98	1.96	1.89	2.02	1.91	1.91	1.86	1.85

Dollars per Bushel												
Soybeans 1/												
NW	-	-	-	-	-	-	-	-	-	-	-	-
WC	4.58	4.94	5.24	5.06	4.89	4.34	4.23	4.29	4.29	4.11	3.89	4.41
SW	-	-	-	-	-	-	-	-	-	-	-	-
NC	4.49	4.91	5.26	5.03	4.92	4.45	4.31	4.41	4.31	4.23	4.01	4.47
C	4.82	5.12	5.45	5.12	4.95	4.52	4.41	4.51	4.39	4.29	4.05	4.63
SC	4.65	5.04	5.32	5.11	4.97	4.51	4.35	4.52	4.46	4.25	3.97	4.52
NE	4.85	5.13	5.48	5.16	5.04	4.60	4.43	4.58	4.50	4.32	4.08	4.53
EC	4.92	5.15	5.56	5.25	5.15	4.70	4.53	4.59	4.51	4.35	4.08	4.49
SE	4.87	5.17	5.49	5.17	5.12	4.53	4.44	4.52	4.52	4.32	4.00	4.60
State	4.82	5.11	5.46	5.19	5.06	4.58	4.44	4.54	4.42	4.27	4.04	4.53

Dollars per Cwt.												
Sorghum												
NW	2.71	2.67	2.60	2.64	2.68	2.78	2.77	2.69	2.52	2.48	2.33	2.52
WC	2.82	2.86	2.81	2.81	2.84	2.93	2.87	2.82	2.74	2.60	2.52	2.82
SW	2.69	2.99	3.04	2.97	3.00	3.07	3.04	2.96	2.86	2.73	2.75	3.05
NC	2.68	2.75	2.86	2.82	2.85	2.97	2.97	2.87	2.75	2.65	2.52	2.66
C	2.64	2.99	2.96	2.94	2.87	3.05	3.01	2.91	2.81	2.72	2.53	2.89
SC	2.71	2.86	2.98	2.90	2.94	2.99	3.00	2.95	2.83	2.86	2.62	2.84
NE	2.73	2.85	3.05	2.98	3.02	3.14	3.02	3.03	2.97	2.85	2.76	2.94
EC	2.69	2.85	3.14	3.04	3.15	3.13	3.12	2.99	2.90	2.86	2.69	2.91
SE	2.71	2.74	3.02	3.01	3.05	3.23	3.28	3.10	3.01	2.75	2.99	2.98
State	2.71	2.85	2.95	2.88	2.93	3.04	3.02	2.93	2.83	2.75	2.64	2.86

SOURCE: Monthly Probability Grain Price Survey. 1/ Soybean prices for Northwest, Southwest, and West Central combined due to insufficient data.

SECTION 2 - GRAIN SHIPMENTS

9. How much grain was **RECEIVED AT** this site between June 1, 1998 and May 31, 1999? Please report grain received by transportation mode.

Transportation Mode	Wheat	Corn	Grain sorghum	Soybeans
Rail	020 Bu.	030 Bu.	040 Bu.	050 Bu.
Truck	021 Bu.	031 Bu.	041 Bu.	051 Bu.
Total Rail & Truck	023 Bu.	033 Bu.	043 Bu.	053 Bu.

10. How many bushels of each grain received were processed on site for feed?

Wheat	Corn	Grain sorghum
150 Bu.	151 Bu.	152 Bu.

11. How many bushels of wheat received were processed on site for flour?

438

12. How many bushels of soybeans were processed on site?

439

13. What percent of the total truck receipts of each grain came directly from producers?

Wheat	Corn	Grain sorghum	Soybeans
024 %	034 %	044 %	054 %

14. What percent of the total receipts of each grain came from outside of Kansas?

Wheat	Corn	Grain sorghum	Soybeans
025 %	035 %	045 %	055 %

15. Were grains received at your site from June 1, 1998 to May 31, 1999 sampled for grading determinations?

Yes, Continue

No, Skip to **Item 18**

Office Use
036

16. Please check method(s) used to obtain samples.

037 Hand Probe

038 Mechanical/Pneumatic

039 Other _____

17. Please check all of the following grading factors tested:

- Moisture 046
- Test Weight 047
- Foreign Material 048
- Protein Content 049
- Milling Quality/Variety Specific 038
- Soybean Oil Content 038
- Insect Infestation 038
- Dockage 038

- Other Damage 239
- Organic/Pesticide Free 056
- 057
- 058
- 059
- 241

18. Do you normally deduct for dockage or pay premiums?

Yes Continue No Skip to Item 19

Office Use
430

Please complete the table below by checking commodities for which deductions are made or premiums paid. Also indicate the level at which deductions or premiums begin.

	Wheat	Corn	Grain Sorghum	Soybeans
Deduct for Dockage	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Discount begin at what % dockage?	440 _____%	450 _____%	460 _____%	470 _____%
Offer Premium	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Begin at what %	Protein 441 _____%	Oil 451 _____%		Oil 471 _____%

19. How much whole grain was **SHIPPED FROM** this site between June 1, 1998 and May 31, 1999. Do not include processed grain. Please report shipments by transportation mode:

Transportation Mode	Wheat	Corn	Grain Sorghum	Soybeans
Rail < 24 cars	060 Bu.	070 Bu.	080 Bu.	090 Bu.
Rail 24-49 cars	360 Bu.	370 Bu.	380 Bu.	390 Bu.
Rail 50 or more cars	260 Bu.	270 Bu.	280 Bu.	290 Bu.
Truck	061 Bu.	071 Bu.	081 Bu.	091 Bu.
Barge	062 Bu.	072 Bu.	082 Bu.	092 Bu.
Total	064 Bu.	074 Bu.	084 Bu.	094 Bu.

Shipment Destinations

20. Please give the final destination and the approximate percent of grain shipped to each destination in the tables below. Place the letter "f" next to the destination if it is a feed lot [e.g. Abilene, KS (F)]
If more than four lines are needed, please use an extra sheet of paper.

Record Destinations as follows:

Kansas -by city	Missouri -Kansas City	Texas -Inland Cities	All other Locations by State
Oklahoma -Enid	-St. Joseph	-Gulf Port	
-Port of Catoosa	-St. Louis	Mexico	
	Mississippi -Gulf Port	Pacific NW -Port	

(a) For all grain shipped by **RAIL**, provide final destination and percent shipped to each destination.

Wheat		Corn		Grain Sorghum		Soybeans	
Destination	%	Destination	%	Destination	%	Destination	%
100	101	110	111	120	121	130	131
102	103	112	113	122	123	132	133
104	105	114	115	124	125	134	135
106	107	116	117	126	127	136	137

(b) For all grain shipped by **TRUCK**, provide final destination and percent shipped to each destination.

Wheat		Corn		Grain Sorghum		Soybeans	
Destination	%	Destination	%	Destination	%	Destination	%
200	201	210	211	220	221	230	231
202	203	212	213	222	223	232	233
204	205	214	215	224	225	234	235
206	207	216	217	226	227	236	237

(c) Did this facility ship any grain by barge between June 1, 1998 and May 31, 1999?

Yes

No

Office Use

240

21. Do you have outgoing grain shipments sampled at this site for grade determination?
 Yes, Continue No, Skip to Item 22

Office Use
156

Please Check:

a) Which types of shipments were sampled:

¹⁴⁰ Rail ¹⁴¹ Truck ¹⁴² Barge

b) Methods used to obtain the sample:

¹⁴⁴ Hand Probe ¹⁴⁵ Mechanical/Pneumatic ¹⁴⁶ Other _____

c) Who did the sampling?

¹⁴⁷ Employees ¹⁴⁸ Contract Sampler ¹⁴⁹ KS Grain Inspection ¹⁵³ Other _____

d) Who made the grade determination?

¹⁵⁷ KS Grain Inspection ¹⁵⁸ Fed. Grain Inspection ¹⁵⁹ Other _____

SECTION 3 - STORAGE CAPACITY AND UTILIZATION

22. What is your rated grain storage capacity? Bu.

23. What was the total quantity (bushels) of all grains stored at your facility on June 1, 1999? Bu.

24. What percent of the stored grain (Item 23, above) was:

Government-owned? (CCC)	Percent	<input type="text" value="160"/>
Farmer-owned? (Grain Reserve, regular loan and other)	Percent	<input type="text" value="161"/>
Company owned?	Percent	<input type="text" value="162"/>

SECTION 4 - GRAIN MARKETING

25. Please check the marketing decisions that are made at this elevator:

¹⁷⁰ Buy grain ¹⁷² Set cash grain prices ¹⁷¹ Sell grain ¹⁷³ None of the above

26. If you set cash prices, how many bids are considered daily before a price is set? Bids

27. If this report is for multiple locations, do you utilize differential grain pricing at individual locations? Yes No

Office Use
177
178

28. Are formal farmer marketing programs offered?(Designed for farmer price protection, limiting up and downside risk, through the use of options.) Yes No

SECTION 5 - CONCLUSION

29. Have any of your personnel attended a grain grading school in the past three years?

Yes No

Office Use
066
999

30. Please check if you would like to receive a copy of the final report. Yes No

Reported by _____
 Date _____

Respondent		Response Code		Enum.
1-Op/Ptnr	101	2-Tel	910	098
3-Acct/Bkpr		3-Int		
4-Oth		7-TR		