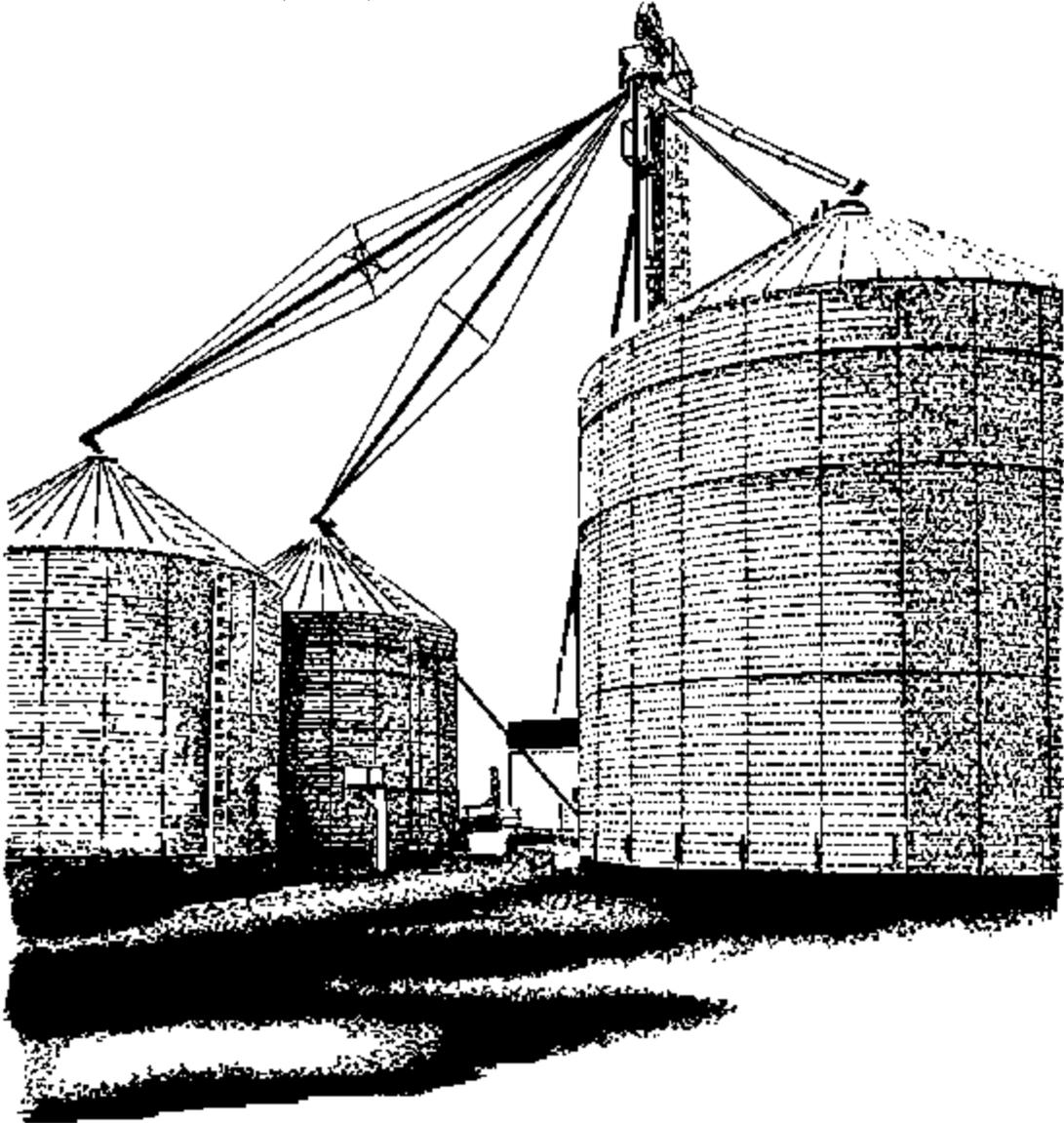


# KANSAS

## GRAIN TRANSPORTATION

DATA FOR 1999 CROP  
AND  
HISTORICAL DATA 1988-1992, 1997, 1998



KANSAS  
AGRICULTURAL  
STATISTICS SERVICE

Fact Finding  
For Agriculture

Kansas Department of Agriculture  
U.S. Department of Agriculture

**KANSAS GRAIN TRANSPORTATION**

**DATA FOR 1999 CROP**

**AND**

**HISTORICAL DATA 1988-1992, 1997, 1998**

COMPILED BY  
KANSAS AGRICULTURAL STATISTICS SERVICE

In Cooperation With

U.S. Department of Agriculture  
National Agricultural Statistics Service

Kansas Department of Agriculture  
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## INTRODUCTION - GRAIN PRODUCTION

Agriculture is one of Kansas' most important industries, of which grain production is a major component. Kansas ranked first in the nation in 1999 wheat production with a State crop of over 432 million bushels. Production of grain sorghum in Kansas also ranked number one in the U.S. with over 258 million bushels produced. Kansas had significant production of corn and soybeans in 1999 and ranked sixth in U.S. corn production and tenth in U. S. soybean production.

Final 1999 acreage, yield, and production of wheat, corn, sorghum for grain, and soybeans are presented by Agricultural Statistics Districts in the table below to aid in interpreting the data presented in this report.

**KANSAS GRAIN PRODUCTION SUMMARY, 1999 CROP**

District	Acres Harvested, (000)	Yield Per Acre, Bu.	Production, Bu. (000)	Acres Harvested, (000)	Yield Per Acre, Bu.	Production, Bu. (000)
	<b>Wheat</b>			<b>Corn</b>		
NW	1,025	47	48,569	539	146	78,895
WC	1,075	46	49,773	274	133	36,400
SW	1,470	54	79,380	888	181	160,800
NC	1,250	49	60,960	225	115	25,795
C	1,436	46	66,364	88	126	11,125
SC	2,254	45	102,332	314	148	46,490
NE	170	44	7,562	374	98	36,685
EC	150	35	5,250	193	84	16,305
SE	370	33	12,210	85	90	7,685
STATE	9,200	47	432,400	2,980	141	420,180
	<b>Sorghum</b>			<b>Soybeans</b>		
NW	175	94	16,450	36	47	1,685
WC	358	88	31,504	22	34	740
SW	571	67	38,257	72	49	3,540
NC	537	86	46,182	280	35	9,895
C	549	79	43,371	175	36	6,360
SC	538	64	34,452	278	37	10,340
NE	206	84	17,304	603	30	18,190
EC	176	70	12,320	677	24	16,100
SE	290	64	18,560	658	18	11,550
STATE	3,400	76	258,400	2,800	28	78,400

## **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 2000. 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 grain, and soybeans do not coincide, information was obtained for the twelve-month period beginning June 1, 1999 and ending May 31, 2000.

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. 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 1999 crop, truck receipts accounted for 94 percent of the grain received by elevators in Kansas. Truck receipts were dominant at small and large country elevators. Truck receipts represented 100 percent of total receipts at small country elevators while large country elevators received 99 percent of all grain by truck.

Most of the grain received at elevators came directly from farmers. For the 1999 grain crops, 76 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, 93 percent of all grain receipts came directly from farmers. Large country elevators had 91 percent direct shipments from farmers, while receipts from farmers accounted for only 19 percent of terminal receipts.

The leading mode of transportation for shipment is truck service. Truck shipments represented 56 percent of the grain shipments. Seventy-two percent of all corn was shipped by truck, followed by sorghum grain at 56 percent, soybeans at 53 percent, and 47 percent for wheat.

**ALL GRAIN RECEIVED AT AND SHIPPED FROM KANSAS ELEVATORS  
BY DISTRICT, BY TRANSPORT MODE  
JUNE 1, 1999-MAY 31, 2000**

District/ Type of Elevator	Rail	Truck	From Farmers <u>1/</u>	Origin Outside Kansas	Rail	Truck	Barge	Unit Train <u>2/</u>
	Percent of Total Receipts				Percent of Shipments			
NW	-	100	53	2	71	29	-	38
WC	-	100	97	13	48	52	-	25
SW	-	100	92	-	33	67	-	27
NC	-	100	96	7	35	65	-	15
C	-	100	88	4	20	80	-	-
SC	5	95	69	4	34	66	-	31
NE	20	80	71	30	61	35	4	50
EC	22	78	42	15	82	18	-	26
SE	-	100	100	2	12	88	-	-
State	6	94	76	8	44	56	*	28
Sm Ctry Houses	-	100	93	5	19	79	2	3
Lrg Ctry Houses	1	99	91	4	39	61	-	22
Terminals	21	79	19	20	100	-	-	89

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			
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
1999	6	94	76	8	44	56	*	28

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, 1999-MAY 31, 2000**

District/ Type of Elevator	Rail	Truck	From	Origin	Rail	Truck	From	Origin
			Farmers 1/	Outside Kansas			Farmers 1/	Outside Kansas
Percent of Total Receipts 2/								
	<b>Wheat</b>				<b>Corn</b>			
NW	-	100	39	1	-	100	100	7
WC	-	100	94	19	-	100	100	11
SW	-	100	93	-	-	100	99	-
NC	-	100	96	3	-	100	95	20
C	-	100	79	3	-	100	98	2
SC	7	93	61	6	-	100	99	1
NE	74	26	94	36	2	98	67	33
EC	35	65	33	4	9	91	62	13
SE	-	100	100	5	-	100	96	3
State	10	90	70	7	1	99	92	8
<hr style="border-top: 1px dashed black;"/>								
Sm Ctry Houses	-	100	88	4	2	98	90	10
Lrg Ctry Houses	1	99	92	5	1	99	96	4
Terminals	29	71	8	14	-	100	52	45
	<b>Sorghum</b>				<b>Soybeans</b>			
NW	-	100	25	1	-	100	100	-
WC	-	100	100	-	-	100	100	-
SW	-	100	68	-	-	100	97	-
NC	-	100	97	8	-	100	94	10
C	-	100	99	6	-	100	100	4
SC	-	100	77	-	-	100	71	-
NE	-	100	67	17	-	100	71	32
EC	-	100	57	4	26	74	31	24
SE	-	100	100	-	-	100	100	1
State	-	100	76	3	14	86	57	20
<hr style="border-top: 1px dashed black;"/>								
Sm Ctry Houses	-	100	98	3	-	100	99	5
Lrg Ctry Houses	-	100	82	1	-	100	87	2
Terminals	-	100	19	10	22	78	28	31

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				
<b>Wheat</b>				
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
1999	10	90	70	7
<b>Corn</b>				
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
1999	1	99	92	8
<b>Sorghum</b>				
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
1999	-	100	76	3
<b>Soybeans</b>				
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
1999	14	86	57	20

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.

**GRAINS SHIPPED FROM KANSAS ELEVATORS  
BY DISTRICT, BY TRANSPORT MODE  
JUNE 1, 1999-MAY 31, 2000**

District/ Type of Elevator	Rail	Truck	Barge	Unit Train 1/	Rail	Truck	Barge	Unit Train 1/
	Percent of Total Shipments <u>2/</u>							
	<b>Wheat</b>				<b>Corn</b>			
NW	98	2	-	62	4	96	-	-
WC	79	21	-	45	-	100	-	-
SW	45	55	-	30	19	81	-	16
NC	58	42	-	24	21	79	-	8
C	28	72	-	-	-	100	-	-
SC	35	65	-	31	-	100	-	-
NE	20	80	-	18	74	26	-	57
EC	85	15	-	61	82	18	-	5
SE	11	89	-	-	7	93	-	-
State	53	47	-	34	28	72	-	15
Sm Ctry Houses	21	79	-	3	22	78	-	2
Lrg Ctry Houses	53	47	-	32	22	78	-	9
Terminals	100	-	-	93	100	-	-	100
	<b>Sorghum</b>				<b>Soybeans</b>			
NW	75	25	-	8	-	100	-	-
WC	21	79	-	-	-	100	-	-
SW	50	50	-	49	40	60	-	36
NC	19	81	-	9	-	100	-	-
C	15	85	-	-	-	100	-	-
SC	44	56	-	40	34	66	-	32
NE	40	44	16	33	68	28	4	58
EC	93	7	-	42	59	41	-	7
SE	21	79	-	-	2	98	-	-
State	43	56	1	27	45	53	2	34
Sm Ctry Houses	16	79	5	3	13	82	5	-
Lrg Ctry Houses	40	60	-	26	30	70	-	10
Terminals	100	-	-	66	100	-	-	100

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>			
<b>Wheat</b>				
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
1999	53	47	-	34
<hr style="border-top: 1px dashed black;"/>				
<b>Corn</b>				
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
1999	28	72	-	15
<hr style="border-top: 1px dashed black;"/>				
<b>Sorghum</b>				
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
1999	43	56	1	27
<hr style="border-top: 1px dashed black;"/>				
<b>Soybeans</b>				
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
1999	45	53	2	34

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, 1999-MAY 31, 2000**

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments <u>1/</u>			
NW	35	3	62
WC	13	29	58
SW	30	29	41
NC	95	5	-
C	100	-	-
SC	5	45	50
NE	9	-	91
EC	9	19	73
SE	-	-	100
State	28	22	50
<hr style="border-top: 1px dashed black;"/>			
Sm Ctry Houses	86	7	7
Lg Ctry Houses	32	33	35
Terminals	-	8	92

1/ May not equal 100 percent due to rounding.

**CORN RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS**

**JUNE 1, 1999-MAY 31, 2000**

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments <u>1/</u>			
NW	-	100	-
WC	-	-	-
SW	5	-	95
NC	43	57	-
C	-	-	-
SC	-	-	-
NE	8	77	16
EC	10	85	5
SE	-	-	100
State	8	58	34
<hr style="border-top: 1px dashed black;"/>			
Sm Ctry Houses	28	12	60
Lg Ctry Houses	9	47	44
Terminals	-	100	-

1/ May not equal 100 percent due to rounding.

**SORGHUM RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS**

**JUNE 1, 1999-MAY 31, 2000**

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments <sup>1/</sup>			
NW	-	-	100
WC	3	92	6
SW	1	-	99
NC	47	53	-
C	100	-	-
SC	2	32	66
NE	100	-	-
EC	2	47	52
SE	-	-	100
State	13	24	63
<hr style="border-top: 1px dashed black;"/>			
Sm Ctry Houses	61	22	17
Lg Ctry Houses	3	40	57
Terminals	15	-	85

<sup>1/</sup> May not equal 100 percent due to rounding.

**SOYBEAN RAIL SHIPMENTS FROM ELEVATORS, BY NUMBER OF CARS**

**JUNE 1, 1999-MAY 31, 2000**

District	Less Than 24 Cars	24-49 Cars	50 or More Cars
Percent of Shipments <sup>1/</sup>			
NW	-	-	-
WC	-	-	-
SW	-	-	100
NC	-	-	-
C	-	-	-
SC	-	11	89
NE	15	86	-
EC	-	17	83
SE	77	-	23
State	9	58	33
<hr style="border-top: 1px dashed black;"/>			
Sm Ctry Houses	99	-	1
Lg Ctry Houses	-	18	82
Terminals	-	81	19

<sup>1/</sup> May not equal 100 percent due to rounding.

**MAJOR DESTINATIONS BY RAIL**  
**JUNE 1, 1999-MAY 31, 2000**

Crop/Destination	By Districts										By Type of Elevator		
	NW	WC	SW	NC	C	SC	NE	EC	SE 1/	State	Small Ctry Houses	Large Ctry Houses	Term- inals
<b>Wheat</b>	Percent of Total Shipments 2/												
Atchison, Kansas				0.7			25.0				0.1	0.2	0.1
Hutchinson, Kansas		6.1	7.6		14.6	0.3					2.8	8.0	2.5
Kansas City, KS & MO	43.7	57.6		67.5	58.1	2.6	50.0				20.3	39.7	22.0
Salina, Kansas	38.4			12.3							7.5	8.7	9.3
Topeka, Kansas				5.2	3.3		25.0	18.0			2.3	5.5	2.2
Wichita, Kansas	3.2		17.5	5.2	8.7	5.1					6.9	19.3	6.3
Other Kansas	1.1			3.5							0.5	3.7	
California			13.3								2.6		3.9
Florida						3.8					1.4		2.0
Louisiana								29.0			2.4		3.6
St. Louis, Missouri	6.4				6.2	26.6					11.1	1.6	16.2
Nebraska	0.9										0.2	1.1	
Enid, Oklahoma			2.8								0.6		0.8
Tennessee				5.4							0.5	3.9	
Texas Inland Cities			7.5		3.5						1.7	1.0	2.3
Texas Gulf Ports	6.3		47.5	0.3	1.7	53.9		53.0			34.5	6.9	21.8 100.0
Pacific Northwest		32.6									0.8		1.2
Utah		3.7			4.0						0.4	0.5	0.4
Mexico			3.7			7.6					3.5		5.2
All Other Destinations			0.1			0.1					*		0.2
<b>Corn 3/</b>													
Atchison, Kansas								0.1			*	0.2	
Kansas City, KS & MO								1.1			0.4	4.2	
Topeka, Kansas								0.1			*	0.2	
Other Kansas								19.2		100.0	6.9	1.9	25.0
Arizona			4.7								1.3		2.1
Arkansas	100.0			100.0			21.1	23.0			17.6	18.8	14.3 25.0
California			89.9								25.5		40.1
Oklahoma							38.5	68.9			37.0		36.8 50.0
Texas Inland Cities							4.4				1.5	16.5	
All Other Destinations			5.4				15.5	8.1			9.8	58.2	6.7

1/ Insufficient data to publish. 2/ May not add to 100 percent due to rounding. 3/ No rail shipments reported in West Central, Central, or South Central Districts. \* Less than .1 percent.

**MAJOR DESTINATIONS BY RAIL**

**JUNE 1, 1999-MAY 31, 2000**

Crop/Destination	By Districts										By Type of Elevator		
	NW 1/	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses	Term- inals
<b>Sorghum</b>	Percent of Total Shipments <u>2/</u>												
Atchison, Kansas							1.2			0.1	0.9		
Hutchinson, Kansas				15.9						0.7	5.0	0.2	
Kansas City, KS & MO				16.2			2.7			0.9	7.5	0.1	
Salina, Kansas				17.8						0.8	0.3	1.2	
Topeka, Kansas		2.5		9.6			3.0			0.8	7.0		
Wichita, Kansas				15.3						0.7	6.0		
Other Kansas						0.4	22.3			1.8		0.2	6.5
Arizona			88.1							21.1		33.4	
Arkansas							22.3	20.0		6.2		7.2	6.5
Arkansas Feedlots				18.7						0.8	7.3		
California			0.5							0.1	1.0		
Louisiana								29.5		6.7		10.6	
Mississippi				7.0						0.3	2.9		
Nebraska							0.3			*	0.2		
New Mexico						0.2				0.1		0.1	
Enid, Oklahoma			0.1							*			
Port of Catoosa									100.0	1.9	17.1		
Oklahoma Feedlots			0.8							0.2		0.3	
Other Oklahoma							21.5			1.6			6.3
Texas Inland Cities					1.8		10.3			0.9	7.1	0.1	
Texas Gulf Ports				22.0	7.2	59.5		31.4		26.0	10.2	11.5	68.2
Texas Feedlots			0.8		9.3					0.6	3.7	0.3	
Mexico			9.8	53.2		39.9	16.5	14.3		21.1	21.7	24.5	12.4
<b>Soybeans <u>3/</u></b>													
Fredonia, Kansas									100.0	0.3	3.5		
Kansas City, KS & MO							2.8			1.8	18.9		
Topeka, Kansas							0.2			0.1	1.2		
Louisiana								96.3		16.1		66.9	
Mississippi							68.4			42.9			64.5
St. Joseph, Missouri							11.5			7.2	76.4		
Texas Gulf Ports						76.8				11.1		3.2	15.5
Mexico			100.0			23.2	17.1			19.9		27.3	20.0
All Other Destinations								3.7		0.6		2.6	

1/ Insufficient data to publish. 2/ May not add to 100 percent due to rounding. 3/ No rail shipments reported in Northwest, West Central, North Central, or Central Districts. \* Less than .1 percent.

**MAJOR DESTINATIONS BY TRUCK**  
**JUNE 1, 1999-MAY 31, 2000**

Crop/Destination	By Districts										By Type of Elevator	
	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses
<b>Wheat</b>	Percent of Total Shipments <sup>1/</sup>											
Atchison, Kansas				0.1			7.5			0.2	0.5	
Emporia, Kansas								0.7		*	*	
Hutchinson, Kansas	11.0	3.6	7.0		20.5	38.7			2.4	24.3	15.6	30.8
Kansas City, MO & KS		5.7	9.5	3.6	2.5		0.9	5.4	9.1	2.8	1.6	3.7
Salina, Kansas	27.6	5.7		12.2	24.2					4.2	7.0	2.0
Topeka, Kansas		0.3		1.0	1.5	0.6	76.9	20.3	0.4	3.0	5.0	1.6
Wichita, Kansas		1.3	21.9		6.5	26.8			15.2	19.1	17.9	20.0
Kansas Feedlots		1.2	10.2							1.7		3.0
Other Kansas	28.7	73.9	45.1	20.4	40.2	12.6	0.2		0.1	23.9	24.8	23.1
Iowa		1.6								0.1		0.1
Nebraska	32.7			8.1			14.5			1.0	2.2	0.2
Enid, Oklahoma						12.5			0.1	6.6	10.4	3.8
Port of Catoosa, OK						0.4			21.1	1.1	2.6	
Oklahoma Feedlots			4.4							0.7		1.3
Other OK			1.8						6.6	0.6	0.6	0.5
Pacific Northwest		3.8								0.2		0.3
All Other Destinations		2.9	0.1	54.6	4.6	8.4		73.6	45.0	10.5	11.8	9.6
<b>Corn</b>												
Atchison, Kansas				0.4			20.5			1.0	7.5	
Emporia, Kansas								0.8		*	0.2	
Hutchinson, Kansas						4.0				0.4	3.1	
Kansas City, MO & KS							7.0	1.9		0.4	2.9	
Salina, Kansas				0.9	1.1					0.1	0.6	
Topeka, Kansas				0.8			51.7	5.0	1.3	2.6	16.9	0.5
Wichita, Kansas					0.5	2.7				0.3	2.2	
Kansas Feedlots	16.6	11.7	71.7	25.0	41.0	35.7	9.0	1.0	11.6	43.8	24.9	46.7
Other Kansas	83.4	6.0	3.0	8.8	57.5		2.4	0.7	49.5	17.2	25.1	16.0
Arkansas									8.1	0.1	0.5	
Colorado										0.1	0.5	
St. Joseph, Missouri				0.4			9.5	2.5		0.5	4.1	
Other Missouri								5.6		0.2	1.3	
Enid, Oklahoma						0.5				0.1	0.4	
Port of Catoosa, OK						0.4				*	0.3	
Oklahoma Feedlots			14.6			29.0			7.7	9.8	4.3	10.6
Other Oklahoma						14.9			21.7	1.7	2.2	1.7
Texas Feedlots		1.5	10.5			0.3				5.1	0.2	5.8
All Other Destinations		80.8	0.1	63.7		12.5		82.5	0.1	16.6	2.8	18.7

<sup>1/</sup> May not add to 100 percent due to rounding. \* Less than .1 percent.

**MAJOR DESTINATIONS BY TRUCK**  
**JUNE 1, 1999-MAY 31, 2000**

Crop/Destination	By Districts										By Type of Elevator	
	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses
<b>Sorghum</b>	Percent of Total Shipments <sup>1/</sup>											
Atchison, Kansas				0.1			24			1.4	3.8	
Hutchinson, Kansas		0.3			18.6	32.8			1.1	12.2	9.9	13.5
Kansas City, MO & KS							6.1	11.8		0.5	1.3	
Salina, Kansas		0.3		4.3	35.2	4.0				7.3	10.4	5.5
Topeka, Kansas				0.2			63.9	79.3	0.3	4.6	12.1	0.4
Wichita, Kansas					5.8	12.5			10.4	4.7	4.3	4.9
Kansas Feedlots	22.5	17.6	38.6	7.0	2.4	1.5	5.4		2.0	11.4	10.1	12.2
Other Kansas	46.5	7.5	49.7	11.4	31.8	28.6	0.5			25.0	16.0	30.1
Arkansas								5.5	13.6	0.7	2.0	
Other Missouri								3.4		*	0.1	
Nebraska	31.0			32.8		8.9				5.4	4.6	5.9
Enid, Oklahoma						2.4				2.3	4.5	1.1
Port of Catoosa						0.1			11.0	1.2	2.9	0.2
Oklahoma Feedlots			3.8						1.8	0.7	0.3	0.9
Other Oklahoma						4.5			0.8	1.2	0.4	1.7
Texas Feedlots			4.4			0.1				0.7	0.1	1.1
All Other Destinations		74.3	3.5	44.2	6.2	4.6	0.1		41.0	20.7	17.2	22.5
<b>Soybeans</b>												
Atchison, Kansas							0.4			0.1	0.2	
Emporia, Kansas				19.7	27.1	5.5	13.6	37.2	23.6	16.1	19.9	12.1
Fredonia, Kansas						1.5		0.7	42.2	6.3	12.1	0.3
Hutchinson, Kansas					3.7	7.2	9.6			4.2	5.0	3.4
Kansas City, MO & KS					1.2		5.3	16.4		3.0	5.5	0.4
Salina, Kansas				0.2	1.7					0.2	0.2	0.2
Topeka, Kansas							16.6	28.4		6.7	7.5	5.9
Wichita, Kansas	53.4		79.7	6.5	64.7	83.6		0.7	13.0	34.9	17.9	52.7
Other Kansas	38.4	0.9	20.3	0.7		1.5			9.1	3.2	3.3	3.1
St. Joseph, Missouri							51.9			11.8	23.1	
Nebraska	8.1			0.5						0.1	0.2	
Other Oklahoma									4.0	0.6	1.1	
All Other Destinations	0.1	99.1		72.4	1.6	0.9	2.6	16.6	8.1	12.8	4.0	21.9

<sup>1/</sup> May not add to 100 percent due to rounding. \* Less than .1 percent.

**MAJOR DESTINATIONS, HISTORIC 1/ 2/**

By Year								
Crop/Destination	1988	1989	1990	1991	1992	1997	1998	1999
	Percent of Total Shipments <u>3/</u>							
<b>Wheat</b>								
Hutchinson, Kansas	3.4	7.0	3.5	5.3	5.7	10.2	6.7	13.8
Kansas City, MO & KS	17.7	26.6	22.1	15.9	16.0	9.5	7.5	8.9
Salina, Kansas	4.2	7.0	6.6	6.1	5.5	8.9	3.7	4.9
Topeka, Kansas	2.5	5.4	5.8	4.2	2.7	3.3	2.1	2.4
Wichita, Kansas	6.3	11.6	6.3	4.5	7.2	15.1	8.5	12.5
Kansas Feedlots							1.3	0.9
Other Kansas	10.4	15.9	17.5	18.3	33.0	20.3	21.0	12.7
California					0.7	0.7		1.0
Florida								0.5
Louisiana							0.5	0.9
St. Louis, Missouri	0.1		0.2	1.4	3.1	1.4		4.0
Nebraska	0.3	0.5	0.5	1.0	1.3	1.7	1.1	0.6
Enid, Oklahoma	1.6	2.3	1.0	0.7	0.4	2.0	4.6	3.6
Port of Catoosa, Oklahoma	0.5	0.4	1.3	1.2	0.6	1.3	0.7	0.8
Other Oklahoma							0.8	0.3
Texas Inland Cities								0.6
Texas Gulf Ports	19.2	14.8	20.7	24.8	14.1	19.3	17.7	12.6
Mexico	1.6	2.7	2.7	3.4	2.7	1.4	0.8	1.3
All Other Destinations	31.8	4.3	10.4	12.6	5.4	1.3	23.0	17.7
<b>Corn</b>								
Atchison, Kansas	1.3	0.8	1.2	0.3	1.0	1.0	1.3	0.7
Emporia, Kansas	0.1	0.1				0.5	0.5	0.0
Kansas City, MO & KS	2.8	2.3	3.4	1.1	1.3	0.5	0.7	0.4
Topeka, Kansas	4.5	1.6	3.0	0.1	4.2	3.7	5.5	1.9
Kansas Feedlots	36.6	48.3	34.6	47.7	26.9	44.8	35.4	31.5
Other Kansas	9.9	10.1	17.6	19.3	43.7	19.0	5.5	14.3
Arizona							0.7	0.4
Arkansas	9.7	13.5	23.9	1.8	7.0	4.6	2.7	5.0
California <u>4/</u>	1.4	2.6	1.8	0.4			3.2	7.2
Oklahoma Feedlots	2.2	2.7	2.3	8.5	5.5	3.4	7.7	7.1
Other Oklahoma	2.3	7.8	3.0	1.7	1.6	4.8	5.0	11.6
St. Joseph, Missouri							1.0	0.4
Texas Feedlots	7.1	5.4	4.2	4.3	1.9	7.5	7.9	3.7
Texas Gulf Ports	13.7	*		2.6	1.3	0.5	3.7	
Texas Inland Cities	5.7	2.9	1.4	6.9	1.7	6.7	0.8	0.4
All Other Destinations	2.7	1.9	3.6	5.3	3.8	1.5	18.4	15.4

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 Year								
Crop/Destination	1988	1989	1990	1991	1992	1997	1998	1999
	Percent of Total Shipments <u>3/</u>							
<b>Sorghum</b>								
Atchison, Kansas	0.7	1.5	1.8	1.4	0.9	1.6	1.7	0.9
Hutchinson, Kansas	2.4	5.6	3.8	2.6	6.9	8.7	4.8	7.5
Kansas City, MO & KS	8.7	11.9	9.2	6.1	6.6	1.0	0.6	0.7
Salina, Kansas	1.7	3.2	3.8	1.8	6.5	9.2	4.5	4.7
Topeka, Kansas	1.9	2.2	1.9	2.5	5.6	5.3	5.5	3.1
Wichita, Kansas	1.0	2.7	1.1	0.8	2.3	3.1	2.1	3.1
Kansas Feedlots	17.6	24.2	14.0	19.2	8.1	7.7	9.4	6.8
Other Kansas	13.8	9.8	19.2	19.4	31.4	17.7	10.4	15.6
Arizona							0.6	8.5
Arkansas	5.3	8.3	11.6	3.5	3.9	6.8	1.6	2.9
California	4.7	2.2	1.8	2.4	0.1	1.8	2.1	*
Louisiana						0.6	7.7	2.7
Nebraska		0.1		0.2	0.3	1.2	2.0	3.2
Enid, Oklahoma							0.5	1.4
Port of Catoosa, Oklahoma								1.5
Oklahoma Feedlots	1.2	2.2	0.9	0.5	0.1	0.9	0.5	0.5
Other Oklahoma						3.6	1.9	1.4
South Dakota							0.5	
Texas Feedlots	2.5	1.3	0.9	2.4	0.4	0.6	0.7	0.7
Texas Gulf Ports	8.7	9.2	10.5	1.9	8.4	17.9	13.7	10.5
Texas Inland Cities	20.2	4.3	3.1	6.9	0.2	1.4	0.6	0.3
Mexico	2.4	5.3	10.3	18.6	7.3	9.3	7.1	8.5
All Other Destinations	7.2	6.0	6.1	9.8	1.1	1.6	21.5	15.5
<b>Soybeans</b>								
Atchison, Kansas		0.4	1.1	0.5		1.1	0.5	*
Emporia, Kansas	28.3	30.1	24.5	28.6	24.2	22.1	22.6	8.6
Fredonia, Kansas	7.7	8.6	6.6	8.1	7.0	8.1	3.6	3.5
Hutchinson, Kansas		*	0.9	1.2	0.9	2.5	1.1	2.3
Kansas City, MO & KS	7.4	15.4	22.1	4.1	8.0	7.6	3.9	2.4
Topeka, Kansas	0.4	1.6	1.1	1.0	3.3	5.4	2.4	3.6
Wichita, Kansas	23.1	25.8	11.0	13.7	8.9	22.1	12.5	18.7
Kansas Feedlots						0.8	1.1	
Other Kansas	3.9	0.7	4.5	12.4	17.7	4.3	4.5	1.7
California							13.8	
Louisiana								7.5
Mississippi								20.0
St. Joseph, Missouri	4.9	4.7	3.3	4.8	3.0	7.7	10.1	9.6
Port of Catoosa, Oklahoma						2.9	0.5	
Other Oklahoma							2.0	0.3
Texas Gulf Ports		2.2	1.4	8.5	2.6	3.4	2.1	5.2
Mexico	13.5		21.9	16.5	19.7	8.5	1.8	9.3
All Other Destinations	9.5	10.1	0.7	0.4	3.6	0.2	17.5	7.3

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

Ninety-one 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, dockage, and other damage.

**PERCENT OF KANSAS ELEVATORS SAMPLING GRAIN ON RECEIVING BY DISTRICT  
JUNE 1, 1999-MAY 31, 2000**

Crop/Destination	NW	WC	SW	NC	C	SC	NE	EC	SE	State	Small Ctry Houses	Large Ctry Houses	Terminals
Percent of Elevators Receiving Grain													
Did Sampling	100	100	100	91	90	92	91	82	81	91	87	100	100
Extracted Samples by <sup>1/</sup>													
Hand Probe	71	78	31	70	85	67	65	89	85	71	80	50	56
Mechanical	43	33	77	30	30	50	50	33	23	42	27	68	100
Grading Factors Tested													
Moisture	100	100	100	100	10	100	100	100	100	100	100	100	100
Test Weight	100	100	100	100	10	100	100	100	100	100	100	100	100
Foreign Material	71	67	85	80	85	94	95	100	100	89	88	89	100
Protein Content	29	44	8	30	15	17	10	11	23	18	10	21	89
Oil Content		11								1	1		
Insect Infestation	86	89	62	70	67	92	80	56	69	76	73	82	89
Dockage	71	89	77	70	81	86	75	56	54	76	75	76	89
Other Damage	43	11	38	40	22	42	30	56	62	37	32	39	78
Milling Quality/ Variety Specific	14	11	8	-	4	11	-	11	-	6	2	8	44
Organic/Pesticide Free	14	-	-	-	-	-	-	-	8	1	1	-	11

<sup>1/</sup> May exceed 100 percent if elevators reported using more than one method for sampling grain.

**KANSAS ELEVATORS SAMPLING GRAIN SHIPMENTS FOR GRADE DETERMINATION <sup>1/</sup>  
BY DISTRICT, JUNE 1, 1999-MAY 31, 2000**

District/ Type of Elevator	Sampling Rail Shipments	Sampling Truck Shipments	Sample Obtained by			Sampling Done by				Grade Determined by		
			Hand Probe	Mechan. Pneumatic	Other	Employee	Contract Sampler	KGIS (State)	Other	KGIS (State)	FGIS	Other
Percent of Elevators <sup>2/</sup>												
NW	100	50	67	33	-	83	17	83	-	100	-	-
WC	83	17	67	17	17	33	17	67	-	100	-	-
SW	73	73	73	55	-	64	55	45	-	82	18	27
NC	100	-	100	-	-	-	38	63	-	100	-	-
C	54	54	100	15	-	54	62	-	-	62	8	54
SC	71	29	86	29	-	43	29	43	-	79	-	29
NE	89	33	56	44	-	22	44	78	11	100	11	22
EC	50	75	75	50	-	75	-	50	-	50	-	50
SE	67	33	100	-	-	33	67	-	-	67	-	33
State	76	41	81	28	1	45	39	46	1	82	5	26
Sm Ctry	72	37	91	14	-	37	47	33	2	79	2	28
Lrg Ctry	78	48	74	44	4	48	26	63	-	85	7	19
Terminals	100	25	25	75	-	100	50	75	-	100	25	50

<sup>1/</sup> Sampling of barge shipments not published due to insufficient data. <sup>2/</sup> May exceed 100 percent if elevators reported using more than one method for sampling grain.

Seventy-six percent of those elevators responding stated they sampled rail shipments and 41 percent sampled truck shipments. The most commonly used method of sampling was by hand probe with 81 percent. Forty-five percent replied that the sampling was done by an employee. Forty-six percent of elevators used Kansas Grain Inspection Service, Inc. to sample shipments. Thirty-nine percent had sampling performed by a contract sampler. KGIS determined 82 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>
1988 State Av.	70	9	11	96	
1989 State Av.	88	17	4	97	
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
1999 State Av.	76	41	5	82	26
Sm Ctry Houses	72	37	2	79	28
Lg Ctry Houses	78	48	7	85	19
Terminals	100	25	25	100	50

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 1999 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. Seventy percent of the elevators reporting indicated that they started discounting the price paid for wheat at an average of 0.5 percent dockage. For corn, 19 percent of the elevators said they started discounting price at an average of 1.8 percent dockage. Seventeen percent of the reporting Kansas elevators stated that discounts on sorghum began at an average of 2.1 percent dockage. Finally, 43 percent of the elevators reporting indicated that soybean price discounts started at an average of 0.9 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. Eleven percent of the elevators responding statewide reported offering premiums for wheat. Most of these elevators paying premiums were located in the South Central district of the State. Elevators indicated that they began paying a price premium at an average of 12 percent protein.

### DOCKAGE RESULTING IN PRICE DISCOUNT, 1999 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	
<b>Wheat</b>			<b>Corn <sup>1/</sup></b>			
NW	57	0.1-0.1	0.1	-		
WC	78	0.1-0.6	0.4	-		
SW	77	0.1-1.0	0.5	23	1.0-3.0	1.7
NC	92	0.1-1.7	0.4	-		
C	70	0.1-1.1	0.5	23	0.5-5.0	2.2
SC	87	0.1-2.0	0.5	13	0.1-2.0	1.1
NE	55	0.1-2.0	0.7	23	2.0-5.1	3.2
EC	46	0.1-2.1	1.0	-		
SE	50	0.1-1.1	0.5	25	0.1-1.1	0.6
State	70	0.1-2.1	0.5	19	0.1-5.1	1.8
<b>Sorghum <sup>1/</sup></b>			<b>Soybeans <sup>1/</sup></b>			
NW	-			43	0.1-1.1	0.8
WC	-			-		
SW	-			31	0.5-1.1	1.0
NC	-			42	0.1-2.0	0.9
C	23	0.5-5.0	2.9	60	0.1-1.1	0.9
SC	-			26	0.1-2.0	0.8
NE	23	0.7-5.0	4.2	68	0.1-2.1	1.1
EC	27	0.5-2.5	1.3	36	0.1-1.1	0.8
SE	25	0.1-2.1	1.0	50	0.1-1.1	0.9
State	17	0.1-5.0	2.1	43	0.1-2.1	0.9

<sup>1/</sup> Some districts were not published due to insufficient data.

## GRAIN PROCESSING

Some elevators process grain for feed on site. Corn, sorghum, and soybeans are the usual grains processed for feed. For the crop year June 1999-May 2000, 8 percent of the corn and 5 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 1999 crop year, 21 percent of the total wheat received at elevators was processed for flour. Elevators reported processing 45 percent of soybeans received on site. Too few reports were obtained to publish soybean processing data by district.

### GRAIN PROCESSED ON SITE AT KANSAS ELEVATORS BY DISTRICT JUNE 1, 1999-MAY 31, 2000

District/ Type of Elevator	Percent of Total Receipts Processed for Feed				Percent of Total Receipts Processed for Flour
	Wheat	Corn	Sorghum	Soybeans	Wheat
NW	-	1/	*	-	-
WC	*	43	9	-	-
SW	*	2	2	-	-
NC	-	17	5	-	-
C	1/	21	14	-	1/
SC	*	7	2	-	27
NE	*	8	7	1/	1/
EC	-	1	1	1/	1/
SE	*	23	12	-	-
State	*	8	5	45	21
Sm Ctry Houses	1	14	6	1	12
Lrg Ctry Houses	-	8	5	-	-
Terminals	-	-	-	74	59

1/ 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 3/	Corn	Sorghum	Soybeans 4/	Wheat 5/
1988 State Av.		8	10		
1989 State Av.		10	8		
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
1999 State Av.	*	8	5	45	21
Sm Ctry Houses	1	14	6	1	12
Lg Ctry Houses	-	8	5	-	-
Terminals	-	-	-	74	59

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 on soybeans processed for feed first collected in 1998.

5/ Data first collected in 1992. \* Less than .5 percent.

## STORAGE CAPACITY UTILIZATION

When the new marketing year began on June 1, 1999, 6 percent of the utilized off-farm storage capacity in Kansas was taken up by government-owned grain, 54 percent by farmer-owned grain, and 40 percent by company-owned grain. Based on the June 1 stocks report, elevators had approximately 294 million bushels of wheat, corn, sorghum, and soybeans on hand.

**UTILIZATION OF KANSAS COMMERCIAL GRAIN STORAGE CAPACITY  
BY DISTRICT, JUNE 1, 1999**

District/ Type of Elevator	Government Owned Grain	Farmer Owned Grain	Company Owned Grain
	Percent of Stored Grain		
NW	5	44	51
WC	11	80	9
SW	3	47	50
NC	6	78	16
C	2	75	23
SC	2	59	39
NE	1	52	47
EC	19	21	60
SE	-	76	24
State	6	54	40
Sm Ctry Houses	3	76	21
Lrg Ctry Houses	7	53	40
Terminals	3	22	75

**MARKETING DECISIONS**

Decisions to buy grain were made locally by 81 percent of the elevators responding to this survey. Decisions to sell grain and set cash prices were made on site by 66 and 67 percent of the elevators. The average number of bids considered in setting prices was four. Nine percent of responding elevators reported they did utilize differential grain pricing at individual locations. In addition, 53 percent responded positively to offering formal farmer marketing programs.

**GRAIN MARKETING DECISIONS MADE AT KANSAS ELEVATORS  
BY DISTRICT, JUNE 1, 1999-MAY 31, 2000**

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			
NW	100	100	86	4
WC	89	78	78	4
SW	92	85	69	6
NC	92	83	83	4
C	57	43	47	3
SC	69	54	56	5
NE	96	59	68	5
EC	91	64	82	4
SE	94	100	88	3
State	81	66	67	4
Sm Ctry Houses	75	60	62	4
Lrg Ctry Houses	100	92	84	5
Terminals	67	33	56	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				
1988 State Av.	78	72	70	4
1989 State Av.	77	69	68	4
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
1999 State Av.	81	66	67	4
Sm Ctry Houses	75	60	62	4
Lg Ctry Houses	100	92	84	5
Terminals	67	33	56	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, 1999 to May 31, 2000 to 75 percent of the elevators responding to this survey, but only 45 percent of the elevators actually used rail service. Of the small country elevators, 26 percent had no rail service access, 42 percent did not use rail service although it was available, and 32 percent used rail cars to ship grain. Twenty-nine percent of the large elevators did not have access to rail service, 3 percent did not use rail service even though it was an option, and 68 percent of the large elevators used rail service. All of the terminal elevators reporting had access to and used rail service.

On the average, service was available three times per week at small country elevators and four times per week at large country elevators. Rail service was available to terminals on the average, six times per week. The siding capacity averaged 13 cars at small country elevators, 33 cars at large country elevators, and 48 cars at terminal elevators.

Single car service was used by 79 percent of elevators with rail service, while unit train usage was reported by 32 percent. The average number of cars per unit train, as reported by the survey, was 40. The need for rail cars seemed to be greater than the number of cars received, particularly for the small country elevators. 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 <sup>1/</sup>		
NW	14	86	-
WC	22	67	11
SW	31	69	-
NC	17	67	17
C	43	33	23
SC	23	41	36
NE	27	45	27
EC	-	36	64
SE	19	13	69
State	25	45	30
<hr style="border-top: 1px dashed black;"/>			
Sm Ctry Houses	26	32	42
Lg Ctry Houses	29	68	3
Terminals	-	100	-

<sup>1/</sup> May not add to 100 percent due to rounding.

**RAIL SERVICE AVAILABILITY TO KANSAS ELEVATORS  
BY DISTRICT, JUNE 1, 1999-MAY 31, 2000**

District/ Type of Elevator	Elevators Which Use Rail Service	June- August 1999	Sept.- Nov. 1999	Dec.- Feb. 2000	March- May 2000	Available Only When Called	Average Siding Capacity
	Percent	Days Per Week Rail Service Available				Percent	No./Cars
NW	86	3	2	3	3	17	37
WC	67	3	3	3	3	33	41
SW	69	3	3	4	4	56	25
NC	67	4	4	4	3	25	21
C	33	2	2	2	2	30	11
SC	41	4	4	5	4	31	19
NE	45	5	5	5	5	40	24
EC	36	6	6	7	6	-	59
SE	13	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
State	45	4	4	4	4	31	25
Sm Cntry Houses	32	3	3	3	3	36	13
Lg Cntry Houses	68	4	4	5	4	35	33
Terminals	100	6	6	6	6	-	48

1/ Data not published due to insufficient number of reports.

**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	Days Per Week Rail Service Available				Percent	No./Cars
1988 State Av.	86	4	4	4	4	33	13
1989 State Av.	85	4	3	3	4	28	14
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	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	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
1999 State Av.	45	4	4	4	4	31	25
Sm Ctry Houses	32	3	3	3	3	36	13
Lg Ctry Houses	68	4	4	5	4	35	33
Terminals	100	6	6	6	6	-	48

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  
JUNE 1, 1999-MAY 31, 2000**

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	50	67	41	50
WC	67	33	1/	-
SW	78	22	1/	22
NC	88	13	1/	13
C	100	20	1/	20
SC	81	25	44	-
NE	90	30	34	20
EC	25	100	46	50
SE	1/	1/	1/	-
State	79	32	40	17
<hr style="border-top: 1px dashed black;"/>				
Sm Cntry Houses	92	17	32	14
Lg Cntry Houses	65	38	41	19
Terminals	67	78	48	22

1/ 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	57	53	45	43	21	20	33	31
WC	24	23	16	16	18	18	10	10
SW	54	54	29	29	12	12	17	17
NC	16	11	8	8	8	8	4	4
C	9	5	8	5	4	3	-	-
SC	28	18	26	20	21	15	18	13
NE	15	15	28	27	25	25	12	12
EC	69	69	79	79	76	76	71	71
SE	1/	1/	1/	1/	1/	1/	-	-
State	29	26	25	23	19	18	16	15
<hr style="border-top: 1px dashed black;"/>								
Sm Cntry Houses	13	9	10	8	6	5	3	2
Lg Cntry Houses	38	34	28	25	19	16	20	18
Terminals	68	68	80	80	70	70	58	58

1/ Data not published due to insufficient number of reports.

**COMPANIES SUPPLYING RAIL SERVICE TO ELEVATORS**

	BNSF <u>1/</u>	UPSP <u>2/</u>	Other
	Percent		
State	21	32	39
Sm Ctry Houses	14	25	53
Lg Ctry Houses	27	35	31
Terminals	33	56	11

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

**RAIL SERVICES USED BY KANSAS ELEVATORS 1/ 2/  
BY YEAR, JUNE 1, 1999-MAY 31, 2000 3/**

District/Type of Elevator	Of Elevators With Rail Service, Percent Using:		
	Single Cars	Unit Cars	Minimum Volume Contract
1988 State Av.	55	9	15
1989 State Av.	53	9	12
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
1999 State Av.	79	32	17
Sm Ctry Houses	92	17	14
Lg Ctry Houses	65	38	19
Terminals	67	78	22

1/ No data collected 1993-96. 2/ A questionnaire design change in the 1997 survey makes the 1997 data incompatible with the historic series. 3/ For years prior to 1997, the data applied to July-June periods.



**KANSAS GRAIN STOCKS, BY QUARTERS, 1999-2000**

Crop/Position	September 1, 1999	December 1, 1999	March 1, 2000	June 1, 2000
	Million Bushels			
<b>Wheat</b>				
On Farms	50.0	34.0	25.0	7.0
Off Farms <u>1/</u>	344.4	248.9	205.6	161.9
Total <u>2/</u>	394.4	282.9	230.6	168.9

Crop/Position	December 1, 1999	March 1, 2000	June 1, 2000	September 1, 2000
	Million Bushels			
<b>Corn</b>				
On Farms	100.0	59.0	33.0	7.5
Off Farms <u>1/</u>	163.1	123.8	74.1	45.5
Total <u>2/</u>	263.1	182.8	107.1	53.0
<b>Sorghum</b>				
On Farms	50.0	30.0	13.0	6.0
Off Farms <u>1/</u>	121.6	73.3	39.2	28.9
Total <u>2/</u>	171.6	103.3	52.2	34.9
<b>Soybeans</b>				
On Farms	20.0	15.0	7.0	2.0
Off Farms <u>1/</u>	47.2	29.5	19.1	7.9
Total <u>2/</u>	67.2	44.5	26.1	9.9

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

**PRICES RECEIVED BY KANSAS FARMERS FOR 1999 GRAIN SALES**

Crop/District	1999							2000				
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	Dollars per Bushel											
<b>Wheat</b>												
NW	2.27	2.13	2.20	2.28	2.16	2.19	2.13	2.27	2.30	2.30	2.24	2.26
WC	2.25	2.09	2.29	2.28	2.15	2.19	2.15	2.32	2.34	2.28	2.25	2.33
SW	2.35	2.14	2.33	2.30	2.13	2.20	2.12	2.33	2.36	2.33	2.26	2.37
NC	2.29	2.15	2.29	2.34	2.21	2.24	2.19	2.28	2.39	2.36	2.31	2.37
C	2.41	2.21	2.36	2.38	2.24	2.28	2.20	2.34	2.47	2.43	2.32	2.40
SC	2.32	2.15	2.31	2.33	2.20	2.26	2.13	2.34	2.43	2.38	2.28	2.37
NE	2.36	2.25	2.36	2.40	2.24	2.26	2.16	2.32	2.41	2.35	2.26	2.36
EC	2.36	2.24	2.42	2.54	2.38	2.25	2.17	2.29	2.46	2.33	2.28	2.33
SE	2.35	2.09	2.30	2.27	2.19	2.27	2.16	2.20	2.31	2.34	2.25	2.26
State	2.33	2.15	2.31	2.33	2.20	2.24	2.16	2.31	2.39	2.36	2.28	2.35

Crop/District	1999				2000							
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
	Dollars per Bushel											
<b>Corn</b>												
NW	1.71	1.67	1.62	1.58	1.65	1.83	1.82	1.86	1.91	1.80	1.69	1.61
WC	1.82	1.77	1.74	1.69	1.77	1.96	1.95	1.98	2.04	1.88	1.77	1.72
SW	2.00	1.92	1.88	1.80	1.92	2.02	2.04	2.11	2.15	1.99	1.82	1.81
NC	1.71	1.66	1.63	1.67	1.67	1.85	1.88	1.90	1.96	1.75	1.59	1.50
C	1.77	1.70	1.71	1.70	1.79	1.92	1.90	2.01	2.08	1.81	1.67	1.70
SC	1.89	1.82	1.76	1.73	1.85	1.97	2.01	2.05	2.10	1.88	1.82	1.70
NE	1.77	1.80	1.71	1.71	1.79	1.96	1.99	2.00	2.14	1.84	1.54	1.42
EC	1.79	1.75	1.62	1.70	1.71	1.95	1.95	2.00	2.07	1.72	1.57	1.41
SE	1.87	1.97	1.76	1.83	1.87	2.01	1.99	2.10	2.07	1.96	1.84	1.60
State	1.87	1.82	1.76	1.73	1.81	1.95	1.97	2.02	2.08	1.89	1.74	1.67

Dollars per Bushel												
<b>Soybeans 1/</b>												
NW	-	-	-	-	-	-	-	-	-	-	-	-
WC	4.40	4.37	4.13	4.01	4.25	4.39	4.68	4.90	5.06	4.71	4.26	4.30
SW	-	-	-	-	-	-	-	-	-	-	-	-
NC	4.46	4.37	4.22	4.16	4.29	4.49	4.78	4.94	5.11	4.87	4.45	4.49
C	4.58	4.44	4.30	4.20	4.42	4.60	4.92	5.11	5.23	5.01	4.50	4.54
SC	4.52	4.44	4.28	4.15	4.44	4.54	4.83	5.07	5.17	4.86	4.47	4.51
NE	4.52	4.45	4.42	4.27	4.44	4.64	4.98	5.19	5.36	5.02	4.48	4.52
EC	4.61	4.51	4.39	4.30	4.45	4.65	4.92	5.20	5.32	5.06	4.57	4.61
SE	4.53	4.48	4.32	4.33	4.37	4.52	4.80	4.96	5.14	4.87	4.55	4.59
State	4.54	4.46	4.35	4.26	4.41	4.59	4.88	5.10	5.25	4.96	4.51	4.55

Dollars per Cwt.												
<b>Sorghum</b>												
NW	2.34	2.17	2.30	2.34	2.59	2.76	2.90	2.95	3.01	2.69	2.53	2.50
WC	2.57	2.31	2.40	2.47	2.80	2.90	2.98	3.06	3.19	2.71	2.53	2.68
SW	2.71	2.50	2.57	2.57	2.85	2.95	3.07	3.06	3.31	2.91	2.62	2.80
NC	2.43	2.26	2.40	2.54	2.74	2.93	3.08	3.03	3.23	2.69	2.37	2.41
C	2.61	2.40	2.49	2.61	2.80	3.08	3.22	3.18	3.34	2.77	2.40	2.59
SC	2.63	2.34	2.49	2.50	2.81	2.92	3.07	3.09	3.22	2.75	2.43	2.54
NE	2.70	2.44	2.52	2.64	2.85	3.06	3.24	3.29	3.45	2.97	2.45	2.44
EC	2.81	2.36	2.43	2.62	2.79	2.93	3.07	3.21	3.29	2.70	2.22	2.58
SE	2.67	2.44	2.56	2.51	2.79	2.94	3.01	3.17	3.17	2.88	2.54	2.57
State	2.61	2.37	2.48	2.55	2.79	2.96	3.09	3.11	3.26	2.79	2.46	2.57

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



# GRAIN TRANSPORTATION

November 2000

Kansas Department  
Of Agriculture  
Division of Statistics

Kansas Agricultural Statistics Service  
632 SW Van Buren, Rm. 200  
Po Box 3534  
Topeka, Ks 66601-3534  
1-800-258-4564

Dear Kansas Grain Handler:

The grain handling and transportation industries in Kansas have changed significantly in the past years. The need for updated information on the movement of Kansas grains has probably never been greater. Response to this survey is voluntary, but is important to all of Kansas. Your report will be kept confidential. Thank you for your help.

Sincerely,

Eldon J. Thiessen  
State Statistician

## SECTION 1 - RAILROAD SERVICE

1. Is rail service available at this site?

Yes     No     Yes, but do not use

(If Yes, continue; otherwise, skip to Section 2, pg. 2)

Office Use
019

2. What company supplies rail service to your site?

BNSF = 1    UPSP = 2    Other \_\_\_\_\_ Please provide name.

001
-----

3. How many times per week was rail service available at this site during 1999-2000?

	June-Aug. 1999	Sept.-Nov. 1999	Dec. 1999- Mar. 2000	Mar.-May 2000	Only when called
Times/Week	002	003	004	005	006

4. Was minimum volume contracting for rail service used during June 1999-May 2000?

Yes  007    No

5. Which of the following train services did you utilize on your own or in combination with other firms during June 1999 - May 2000?

008 Single Car

010 Unit Train ±    What was the average # of cars in the unit trains used? . . . . .

009
-----

6. What percent of the following grains was shipped by Unit Train? If none, go to Item 7.

Wheat  065 %    Corn  075 %    Grain Sorghum  085 %    Soybeans  095 %

7. Please report average rail car needs and services provided for shipping from this site during peak usage times for each period listed:

Avg. # of Cars	June-Aug.'99	Sept.-Nov.'99	Dec.'99-Feb. 2000	Mar.-May 2000
Needed/Week	011	012	016	017
Rec'd/Week	013	014	018	900

8. How many cars can be placed on the rail siding at this site? . . . . .

015
-----

**SECTION 2 - GRAIN SHIPMENTS**

9. How much grain was **RECEIVED AT** this site between June 1, 1999 and May 31, 2000? 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 Bu.

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

439 Bu.

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, 1999 to May 31, 2000 sampled for grading determinations?

036 Yes, Continue

No, Skip to **Item 18**

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  046
- Soybean Oil Content  047
- Insect Infestation  048
- Dockage  049

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

- 059
- 241

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

430 Yes, Continue

No, Skip to **Item 19**

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
Begin at what %?	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 %?	440 Protein %	451 Oil %		471 Oil %

19. How much whole grain was **SHIPPED FROM** this site between June 1, 1999 and May 31, 2000. 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 [examples: Garden City, KS (F)]  
If more than four lines are needed, please use an extra sheet of paper.

Record Destinations as follows:

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

a. For all grain shipped by **RAIL & TRUCK**, provide final destination and percent shipped to each destination:

	Rail			Truck		
	Destination	%	Office Use	Destination	%	Office Use
Wheat		101	100		201	200
		103	102		203	202
		105	104		205	204
		107	106		207	206
Corn		111	110		211	210
		113	112		213	212
		115	114		215	214
		117	116		217	216
Sorghum		121	120		221	220
		123	122		223	222
		125	124		225	224
		127	126		227	226
Soybeans		131	130		231	230
		133	132		233	232
		135	134		235	234
		137	136		237	236

b. Did this facility ship any grain by **barge** between June 1, 1999 and May 31, 2000?  240 Yes  No

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

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? .....  174 Bu.
23. What was the total quantity (bushels) of all grains stored at your facility on June 1, 2000? .....  175 Bu.
24. What percent of the stored grain (Item 23, above) was:
- |   |                            |
|---|----------------------------|
| Government-owned grain?(CCC) .....                                | <input type="text"/> 160 % |
| Farmer-owned grain? (Grain Reserve, regular loan and other) ..... | <input type="text"/> 161 % |
| Company owned? .....  | <input type="text"/> 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? .....  176 Bids
27. If this report is for multiple locations, do you utilize differential grain pricing at individual locations? .....  177 Yes  No
28. Are formal farmer marketing programs offered? (Designed for farmer price protection, limiting up and downside risk, through the use of options.)? .....  178 Yes  No

**SECTION 5 - CONCLUSION**

27. Have any of your personnel attended a grain grading school in the past three years? .....  066 Yes  No
28. Would you like to receive a copy of the survey report? .....  999 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		