KANSAS WHEAT QUALITY

2005

Kansas Wheat Commission

Kansas Department of Agriculture

WEIGHTS, MEASURES, AND CONVERSION FACTORS

Bushel Weights:

Wheat & Soybeans = 60 lbs.

Corn, Sorghum & Rye = 56 lbs.

Barley (grain) = 48 lbs.; Malt - 34 lbs.

Oats = 32 lbs.

Bushels to Metric Tons:

Wheat, Soybeans = bu. X .02721555*

Barley = bu. X .021772

Corn, Sorghum, Rye = bu. X .025400

Oats = bu. X .014515

1 Metric Ton Equals:

2204.622 Pounds (lbs.)

22.046 Hundredweight (cwt)

10 Quintals

1,000 Kilograms Equals:

36.7437 bu. Wheat or Soybeans

39.3683 bu. Corn, Sorghum or Rye

45.9296 bu. Barley

68.8944 bu. Oats

Area:

1 Acre = .404694 Hectares

1 Hectare = 2.4710 Acres

Yields:

Wheat: bu. per acre X 0.6725

= quintals per hectare

Rye, Corn: bu. per acre X 0.6277

= quintals per hectare

Barley: bu. per acre X 0.5380

= quintals per hectare

Oats: bu. per acre X 0.3587

= quintals per hectare

* Kansas wheat production as of August 1, 2005 is forecast at 374.4 million bushels (10,189,502 metric tons).

KANSAS WHEAT QUALITY 2005

KANSAS
AGRICULTURAL
STATISTICS SERVICE

Fact Finders
For Agriculture

A Cooperative Project of

KANSAS DEPARTMENT OF AGRICULTURE
Adrian Polansky, Secretary

KANSAS WHEAT COMMISSION
Tom Morton, Chairperson
Dusti Fritz, Executive Officer

Kansas Grain Inspection Service, Inc.
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and

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Issued September 2005

FOREWORD

The Kansas Wheat Commission joins the Kansas Department of Agriculture in presenting this 2005 Wheat Quality Report. This information is of vital interest to wheat producers and processors as well as domestic and foreign buyers.

The basic quality information is compiled by summarizing data from inspection certificates for railroad car samples of Kansas wheat moving from first point of sale. Determinations of protein percentage, test weight per bushel, and other grade factors were made by the ***Kansas Grain Inspection Service, Inc.***

Eldon J. Thiessen
Director

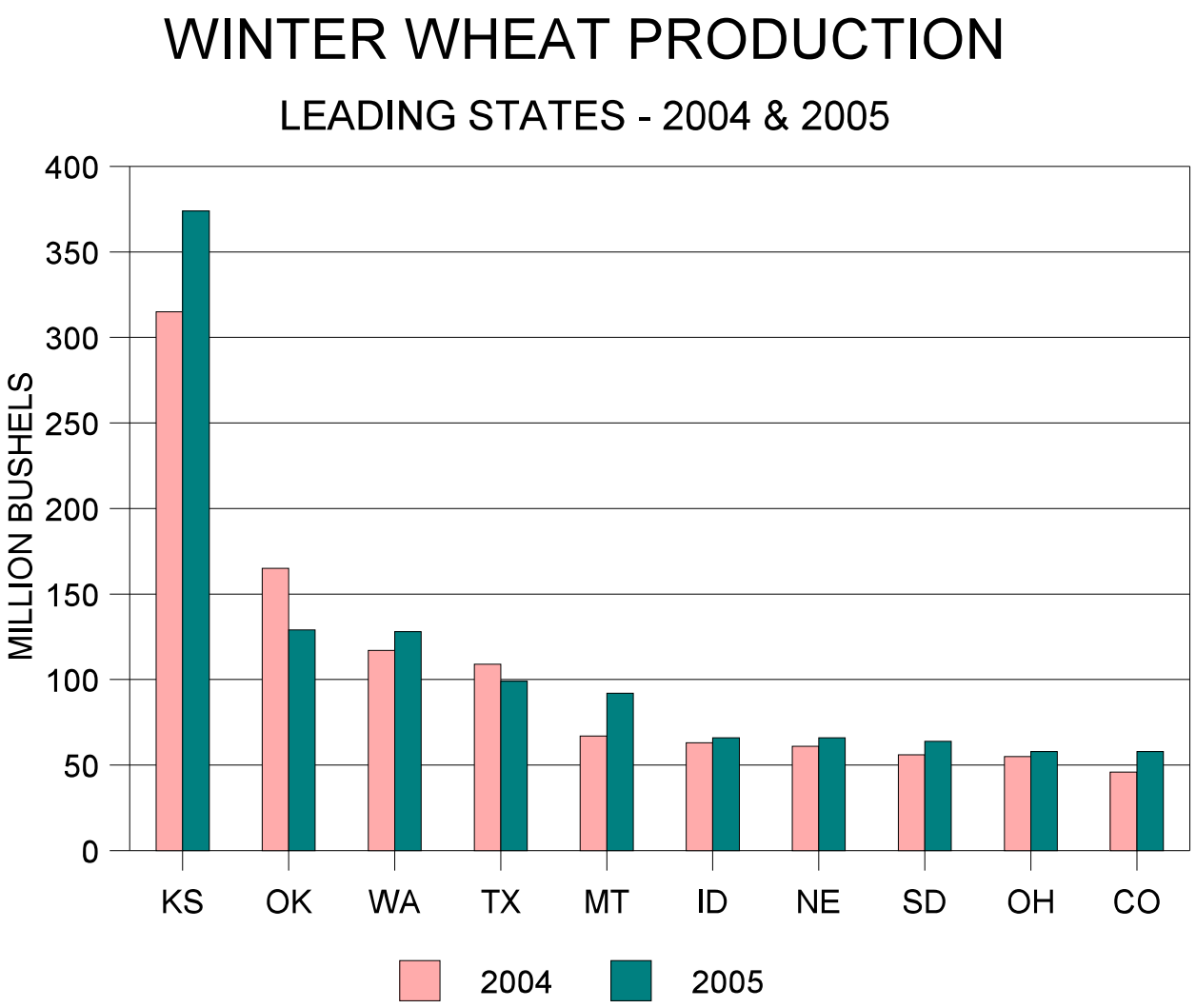
Tom Morton, Chairperson
Kansas Wheat Commission

2005 KANSAS WHEAT QUALITY

TABLE OF CONTENTS

WHEAT SITUATION

World wheat production as of August 1, 2005 is expected to total 610.3 million metric tons (22.4 billion bushels), down 2 percent from a year ago. Total U.S. wheat production, at 59.0 million metric tons, was virtually unchanged from a year ago and will account for 10 percent of the world total. Winter wheat production in the U.S. is estimated at 41.4 million metric tons, or about 70 percent of the total U.S. wheat production. Kansas, with an estimated 10.2 million metric tons of winter wheat, will account for 25 percent of the U.S. winter wheat production. This output represents 17 percent of the total U.S. wheat output and 2 percent of the world total.



ACRES OF WHEAT PLANTED BY SIZE GROUP

Kansas farmers with 500 or more acres of wheat planted accounted for 24.3 percent of all wheat farms and represented 67.6 percent of acres planted in the fall of 2004. The wheat acres planted totaled 10,100,000 acres.

WHEAT PLANTED IN KANSAS FOR 2005 HARVEST, BY SIZE GROUPS

Acres of Wheat Planted per Farm	Number of Farms	Percent of Farms	Acres of Wheat Planted
1-24	2,100	8.2	32,400
25-74	4,800	18.6	236,000
75-199	6,100	23.3	792,200
200-499	6,700	25.6	2,210,800
500-749	2,600	10.1	1,655,900
750-999	1,300	5.0	1,156,300
1,000-1,999	2,000	7.5	2,681,100
2,000-2,999	300	1.2	790,700
3,000 +	100	0.5	544,600
State	26,000	100.0	10,100,000

U.S. WHEAT SUPPLY AND DISAPPEARANCE, 1997-2005

U.S. wheat supplies for the 2005/06 season are expected to be 2,777 million bushels, virtually unchanged from last year. Beginning stocks, at 540 million bushels, are down 1 percent from a year ago. Estimated U.S. wheat production as of August 1, at 2,167 million bushels, is virtually unchanged from last year. Disappearance is expected to total 2,143 million bushels, compared with 2,235 million bushels for 2004. Domestic use is expected to account for 1,168 million bushels, unchanged from the previous year. Exports, forecast at 975 million bushels, are 8 percent below a year ago. Carry-over at the end of the crop year is expected to total 634 million bushels, 17 percent above the 2004/05 level.

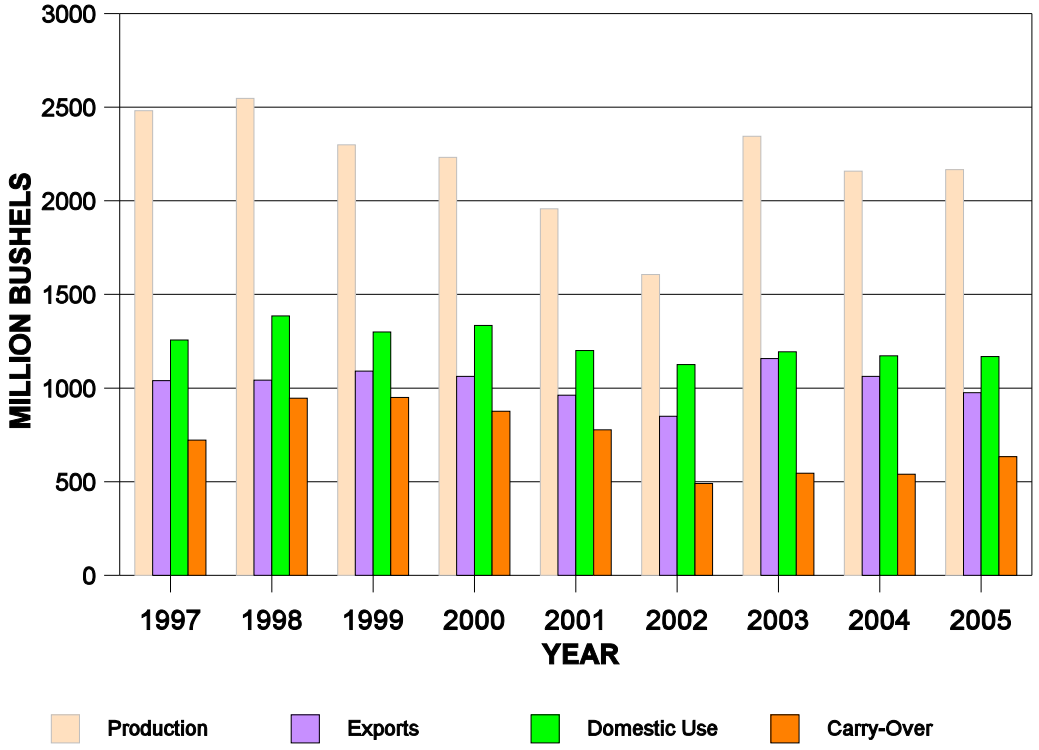
U.S. WHEAT SUPPLY AND DISAPPEARANCE, 1997-2005

Year Beginning June 1	Supply			Disappearance			Ending Stocks May 31
	Beginning Stocks	Production	Total 1/	Domestic Use	Exports	Total 2/	
	- Million Bushels -						
1997/98	444	2,481	3,020	1,257	1,040	2,298	722
1998/99	722	2,547	3,373	1,385	1,042	2,427	946
1999/00	946	2,299	3,339	1,300	1,090	2,390	950
2000/01	950	2,232	3,272	1,334	1,062	2,396	876
2001/02	876	1,957	2,941	1,201	962	2,164	777
2002/03	777	1,606	2,468	1,126	850	1,976	491
2003/04	491	2,345	2,899	1,194	1,158	2,353	546
2004/05	546	2,158	2,775	1,173	1,063	2,235	540
2005/06 3/	540	2,167	2,777	1,168	975	2,143	634

1/ Includes imports. 2/ Totals may not add due to rounding. 3/ Preliminary.

U.S. WHEAT SUPPLY & DISAPPEARANCE

1997-2005



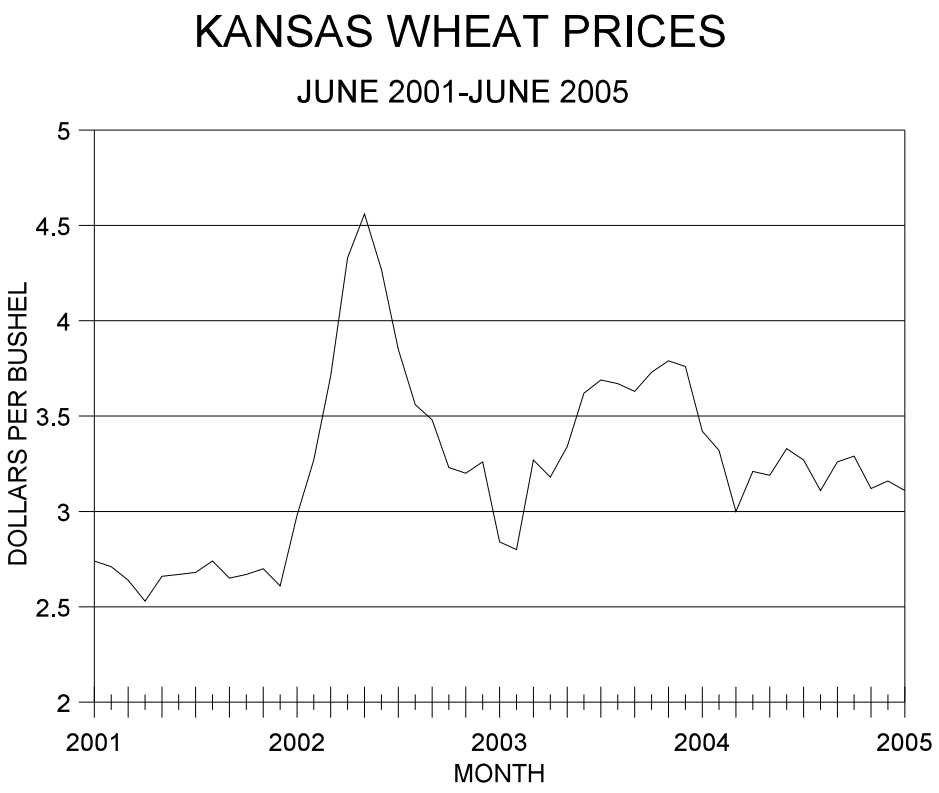
KANSAS WHEAT STOCKS, 1999 - 2005

Marketing Year	September 1	December 1	March 1	June 1
	- - - - - - - - - - - - - - - - - - Thousand Bushels - - - - - - - - - - - - - - - - - -			
1999/00	394,409	282,868	230,645	168,899
2000/01	384,526	274,900	217,771	156,190
2001/02	377,309	268,240	203,216	121,625
2002/03	267,995	187,292	129,811	53,597
2003/04	373,836	274,134	167,613	76,662
2004/05	273,389	192,717	126,426	57,102

MONTHLY MARKETINGS OF KANSAS WHEAT, 1999-2004

Month	1999-2000	2000-01	2001-02	2002-03	2003-04	5-Year Average 1/
	- Percent -					
June	6	16	13	28	9	14
July	37	19	26	28	40	30
August	11	15	7	12	13	12
September	7	6	3	6	5	5
October	2	8	7	4	6	5
November	3	4	4	3	6	4
December	6	5	10	3	5	6
January	10	10	9	3	5	7
February	7	3	7	3	3	5
March	4	3	4	2	5	4
April	3	8	6	3	2	4
May	4	3	4	5	1	3

1/ May not add due to rounding.



HIGHLIGHTS OF THE 2005 CROP

The 2005 Kansas wheat crop, as of August 1, 2005 was estimated at 374.4 million bushels, up 19 percent from last year. Wheat was planted on 10.1 million acres for the 2005 crop, up 1 percent from 2004. The acres harvested for grain totaled 9.6 million acres, up 1.1 million acres from last year.

Seeding of the 2005 wheat crop began the first week of September and progressed slightly behind normal through completion. Twenty-nine percent was seeded and 10 percent was emerged by the 26th of September, below the 5-year averages of 32 percent and 11 percent, respectively. Dry conditions persisted throughout September, but widespread showers during October and November improved soil moisture for wheat germination. Statewide, wheat seeding was 96 percent complete and emergence was at 86 percent by November 7th. Wheat condition was above 75 percent good to excellent all fall. Ninety-six percent of the crop was emerged by November 28th.

Wheat condition remained steady during the winter. On March 7th, 6 percent of the crop was rated as poor to very poor. By the end of March, estimates indicated that 2 percent of the crop either had not emerged or was lost to winterkill. On April 24th, 3 percent of the crop was judged to be in poor to very poor condition, compared to 30 percent last year. Crop progress was ahead of normal during the spring with 89 percent jointed on April 24th, compared with 82 percent last year and 73 percent for the 5-year average. The crop began to head by late April and progressed ahead of normal during May. Damage from freezes in early spring became evident as the crop matured during May.

Harvest of the 2005 crop began slowly. By June 19th the crop was only 10 percent harvested, compared to 36 percent last year and 26 percent for the 5-year average. Harvest progressed ahead of average the third week in June due to dry conditions. Harvest was 98 percent complete by the 10th of July. Protein content for the 2005 crop averaged 12.3 percent with test weight at 61.0 pounds per bushel and moisture at 11.2 percent.

DOMESTIC UNITS

Year	Planted Acres	Harvested Acres	Yield per Acre	Production	Test Weight	Protein 1/	Moisture
	- - - - 1,000 - - - -		Bushels	1,000 Bu.	Lb./Bu.	- - - Percent - - -	
1996	11,800	8,800	29.0	255,200	60.2	13.3	12.3
1997	11,400	10,900	46.0	501,400	60.6	11.8	11.9
1998	10,700	10,100	49.0	494,900	61.5	11.5	11.2
1999	10,000	9,200	47.0	432,400	60.2	11.5	12.2
2000	9,800	9,400	37.0	347,800	59.9	11.9	11.8
2001	9,800	8,200	40.0	328,000	60.9	12.1	11.8
2002	9,700	8,200	33.0	270,600	60.0	13.1	11.2
2003	10,500	10,000	48.0	480,000	60.7	11.7	11.5
2004	10,000	8,500	37.0	314,500	59.7	12.8	11.6
2005	10,100	9,600	39.0	374,400	61.0	12.3	11.2

1/ All protein data shown have been converted to a 12% moisture basis.

METRIC UNITS

Year	Planted Hectares	Harvested Hectares	Yield per Hectare	Production	Test Weight 1/
	- - - - - 1,000 - - - - -		Metric Tons	1,000 MT	Kg/Hl
1996	4,775	3,561	2.0	6,945	77.6
1997	4,614	4,411	3.1	13,646	78.1
1998	4,330	4,087	3.3	13,469	79.2
1999	4,047	3,723	3.2	11,768	77.6
2000	3,966	3,804	2.5	9,466	77.2
2001	3,966	3,318	2.7	8,927	78.5
2002	3,926	3,318	2.2	7,365	77.3
2003	4,249	4,047	3.2	13,063	78.2
2004	4,047	3,440	2.5	8,559	76.9
2005	4,087	3,885	2.6	10,190	78.6

1/ Kilograms/hectoliter = 1.28841 X (lbs./bu.), 1 hectoliter = 2.8378 bushel.

WHEAT QUALITY DATA - KANSAS GRAIN INSPECTION CERTIFICATES

IMPORTANCE OF WHEAT QUALITY

The quality of wheat as characterized by protein content, weight per bushel, amount of dockage, grades and grade defects has an important impact on the use of wheat for flour and its price in the market place.

This report on wheat quality, issued by Kansas Agricultural Statistics Service, helps farmers appraise the quality of the wheat crop being marketed and aids buyers in locating wheat with the desired characteristics.

Information on wheat protein content, weight per bushel, varieties, and grade defects helps producers of high quality grain obtain better prices. The grain trade, in turn, is in a better position to know the areas in which the quality of wheat meets their requirements and direct their purchases accordingly. Thus, the reports facilitate pricing and marketing of the crop. Publication of wheat quality data by counties and agricultural statistics districts as soon as the new crop comes on the market provides everyone with current information coinciding with the harvest period, thus maximizing benefits to producers, grain buyers, and the wheat industry in general.

The following table shows the grading standards used by the Kansas Grain Inspection Service, Inc. in grading samples of hard red winter wheat. This bulletin is based on a summary of samples graded by the Kansas Grain Inspection Service, Inc.

GRADES AND GRADE REQUIREMENTS FOR HARD RED WINTER WHEAT

Grade	Minimum Weight per Bushel	Maximum Limits:						
		Defects					Wheat of Other Classes	
		Heat Damaged Kernels	Damaged Kernels (Total)	Foreign Material	Shrunken and Broken Kernels	Total Defects	Con-trasting Classes	Wheat of Other Classes (Total)
	Pounds	- - - - - - - - - - - - - - - - - Percent - - - - - - - - - - - - - - - - -						
1	60.0	0.2	2.0	0.4	3.0	3.0	1.0	3.0
2	58.0	0.2	4.0	0.7	5.0	5.0	2.0	5.0
3	56.0	0.5	7.0	1.3	8.0	8.0	3.0	10.0
4	54.0	1.0	10.0	3.0	12.0	12.0	10.0	10.0
5	51.0	3.0	15.0	5.0	20.0	20.0	10.0	10.0

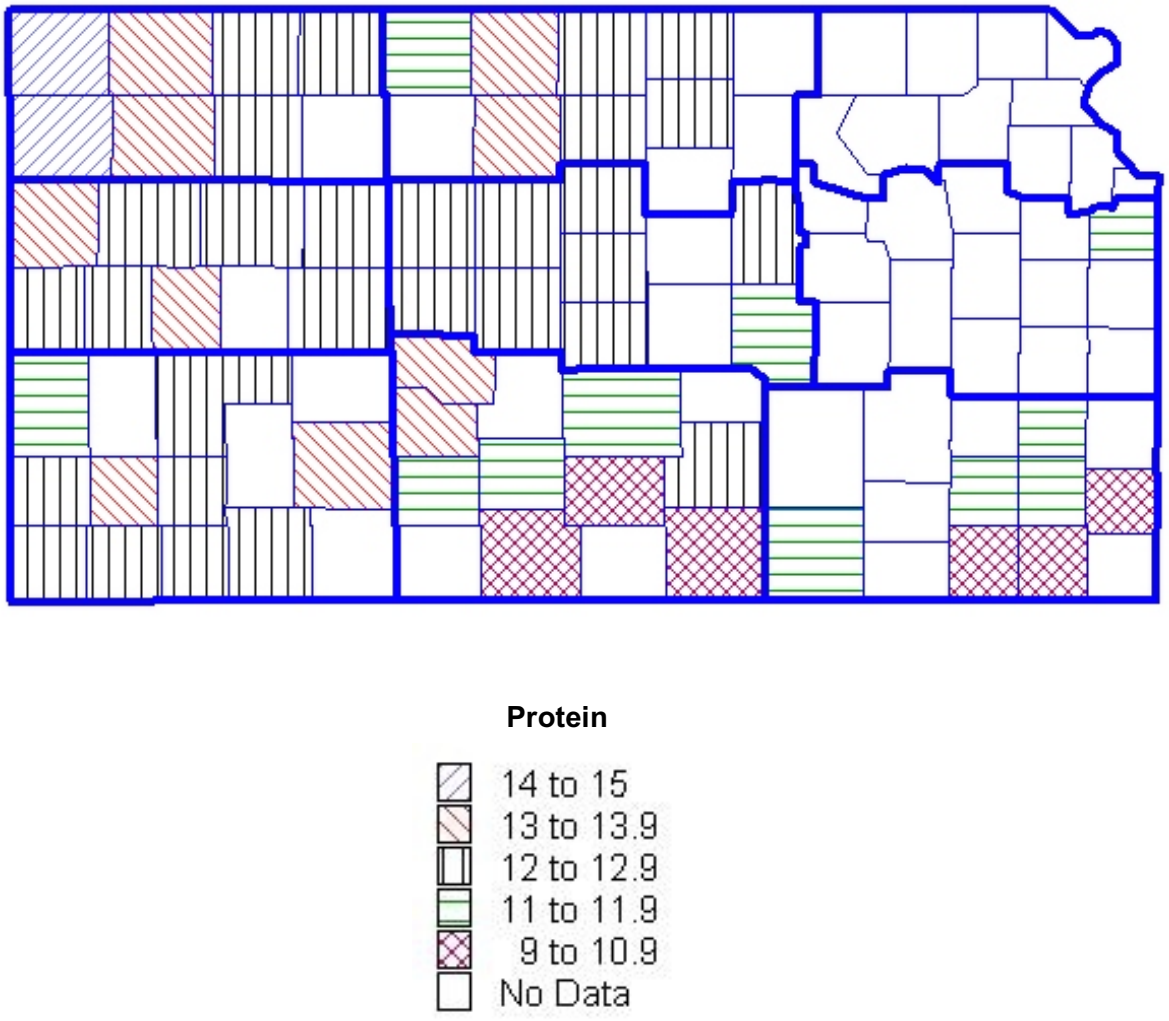
SAMPLE GRADE: Sample grade is wheat that does not meet the requirements for the grades U.S. Nos. 1, 2, 3, 4, or 5; or contains 31 or more insect-damaged kernels per 100 grams of wheat; or contains 4 or more stones or any number of stones which have an aggregate weight in excess of 0.1 percent of the sample weight, 1 or more pieces of glass, 2 or more crotalaria seeds, 1 or more castor beans, 3 or more particles of an unknown foreign substance or a commonly recognized harmful toxic substance, 1 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth per 1,000 grams of wheat; or has a musty, sour, or commercially objectionable foreign odor except smut or garlic odor; or is heating or otherwise of distinctly low quality.

PROTEIN CONTENT

The average protein content of the 2005 Kansas wheat crop was 12.3 percent, down from last year's 12.8, but up from the 10-year average of 12.1 percent. By district, protein content ranged from 10.9 percent in the Southeast District to 13.3 percent in the Northwest District. Cheyenne led all counties, averaging 14.5 percent protein. Second highest was Sherman County, averaging 14.2 percent protein. See the map below for average protein content by county.

2005 Kansas Wheat Crop - Protein

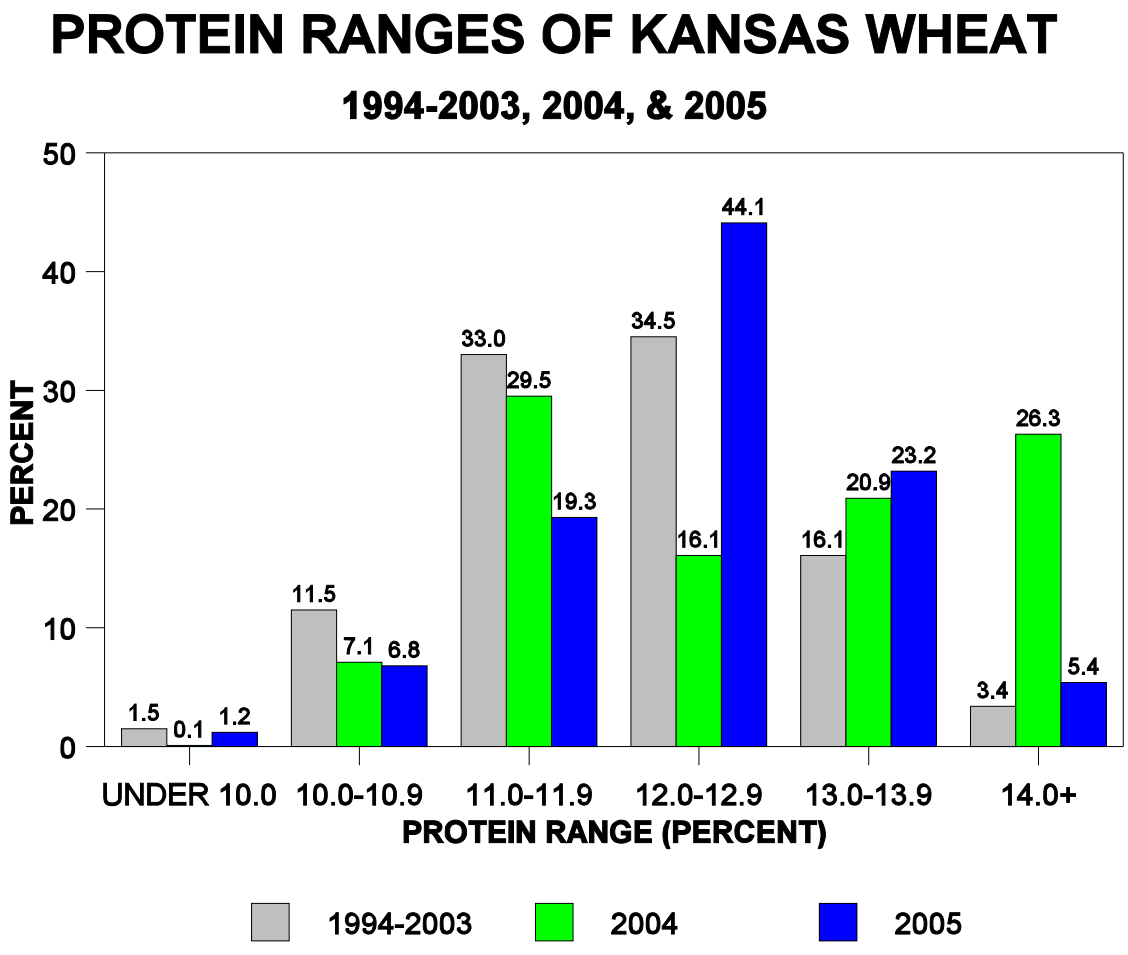
(Percent)



PROTEIN RANGES OF 2005 KANSAS WHEAT 1/

Protein Range	District Production (000 bu.)									
	NW	WC	SW	NC	C	SC	NE	EC	SE	State
	39,330	43,200	56,100	50,960	65,600	87,700	11,380	7,130	13,000	374,400
(Percent)	- Percent -									
Under 10.0	0.1	0.0	0.1	0.0	0.0	4.0	1.9	0.2	6.0	1.2
10.0-10.9	0.2	0.3	0.8	0.8	1.0	22.1	6.4	5.4	25.8	6.8
11.0-11.9	6.5	11.2	8.1	20.8	17.8	25.9	30.8	56.0	59.7	19.3
12.0-12.9	45.7	60.8	55.1	54.7	53.6	23.8	26.3	26.9	7.8	44.1
13.0-13.9	25.6	22.8	32.4	19.2	26.1	21.7	16.9	10.5	0.7	23.2
14.0-Over	21.9	4.9	3.5	4.5	1.5	2.5	17.7	1.0	0.0	5.4
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1/ Protein content adjusted to 12 percent moisture basis.

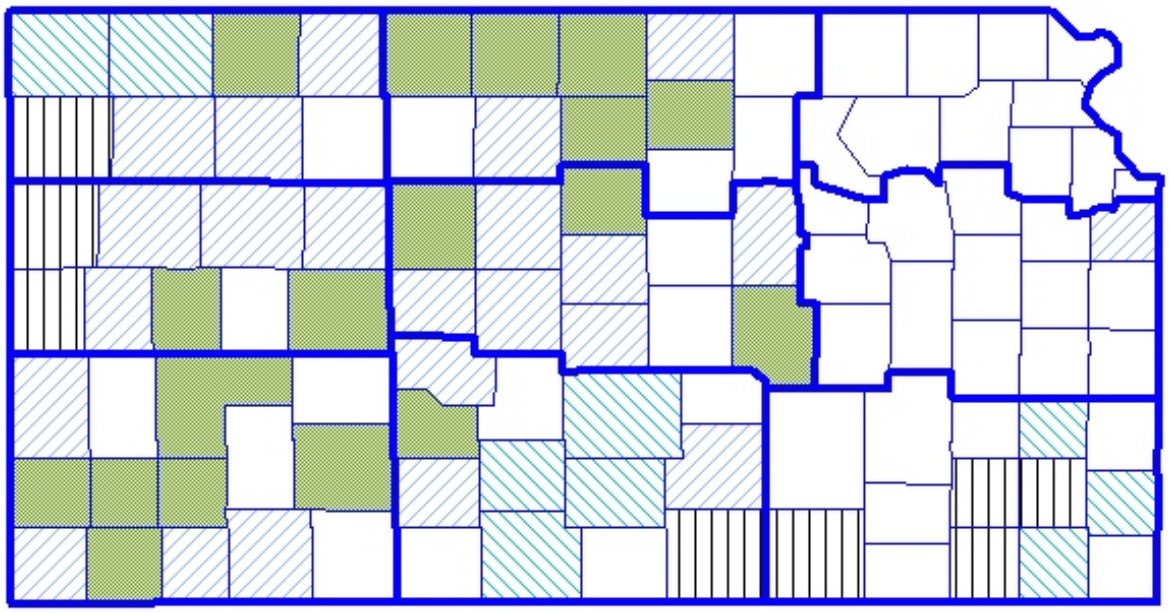


TEST WEIGHT

The 2005 Kansas wheat crop averaged 61.0 pounds per bushel, compared with 59.7 pounds for the 2004 crop. The 10-year average for Kansas is 60.3 pounds per bushel. By district, test weights varied from 59.5 pounds in the Southeast to 62.2 pounds in the North Central District. The Southwest District was second highest in test weight at 61.6 pounds. Lincoln County, with a test weight of 63.1 pounds, was the highest in the State. Jewell County followed at 63.0 pounds. See the map below for average weight per bushel by county.

2005 Kansas Wheat Crop - Test Weight

(Pounds per Bushel)



Test Weight

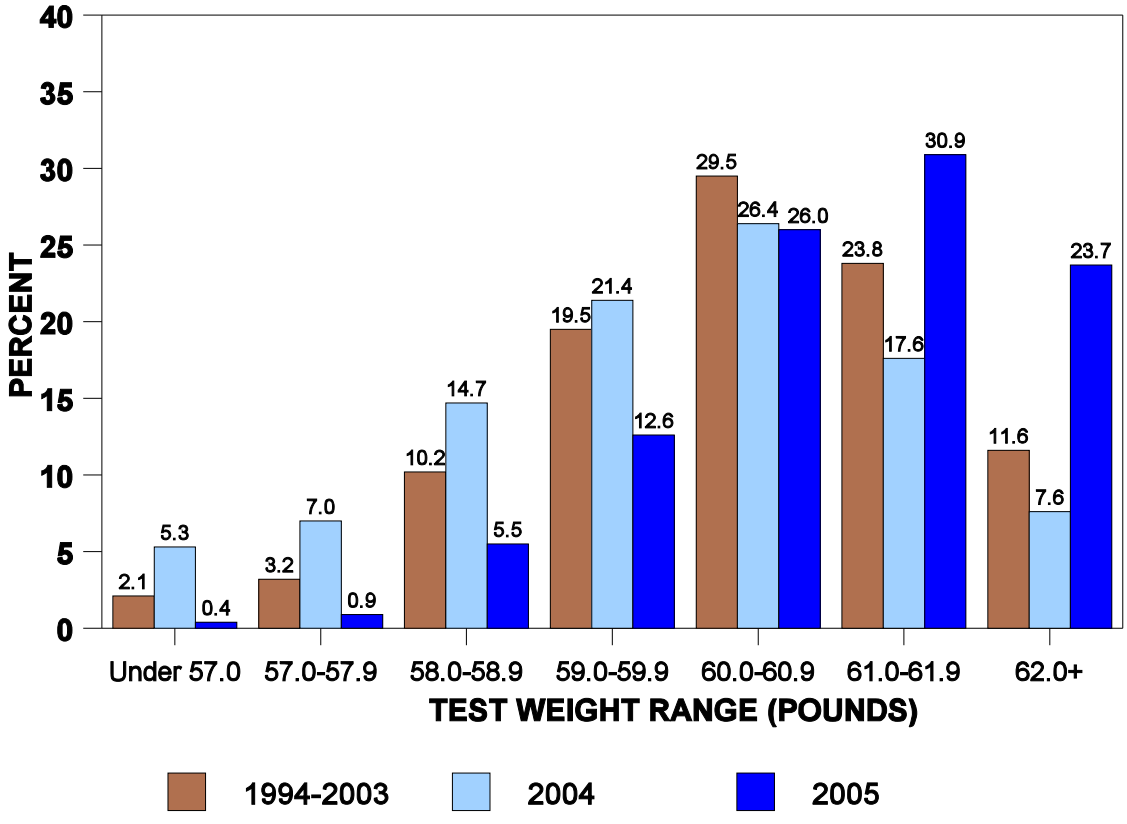
- 61.5 to 63.1
- 60.5 to 61.4
- 59.5 to 60.4
- 58.5 to 59.4
- No Data

TEST WEIGHT RANGES OF 2005 KANSAS WHEAT

Pounds per Bushel	District Production (000 bu.)									
	NW	WC	SW	NC	C	SC	NE	EC	SE	State
	39,330	43,200	56,100	50,960	65,600	87,700	11,380	7,130	13,000	374,400
	- Percent -									
Under 55.0	0.2	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.1
55.0-55.9	0.1	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.0	0.1
56.0-56.9	1.1	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
57.0-57.9	3.1	1.1	0.3	0.0	0.1	0.8	1.7	0.4	3.9	0.9
58.0-58.9	10.1	10.3	1.3	0.1	0.4	9.2	3.6	1.2	20.5	5.5
59.0-59.9	16.4	11.4	4.1	1.2	5.9	23.2	7.8	9.3	56.2	12.6
60.0-60.9	23.3	26.1	16.3	9.8	31.5	41.0	16.3	28.0	17.6	26.0
61.0-61.9	31.6	45.3	32.0	22.8	52.0	16.3	29.1	28.1	1.8	30.9
62.0-Over	14.1	5.6	46.0	66.1	10.0	9.0	40.4	33.0	0.0	23.7
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TEST WEIGHT RANGES OF KANSAS WHEAT

1994-2003, 2004, & 2005



TEST WEIGHT, PROTEIN CONTENT, AND MOISTURE, BY COUNTY

County and District	Samples Tested 2005 1/	Test Weight			Protein Content 2/			Moisture		
		Average 1994-03	2004	2005	Average 1994-03	2004	2005	Average 1994-03	2004	2005
Cheyenne	66	59.8	58.7	59.7	12.9	14.3	14.5	10.9	11.2	11.1
Decatur	279	59.6	58.0	61.6	12.5	14.8	12.2	11.3	11.9	10.7
Graham	-	59.5	-	-	11.1	-	-	10.7	-	-
Norton	141	60.0	-	61.0	12.2	-	12.5	11.2	-	10.6
Rawlins	110	59.7	-	59.5	12.4	-	13.8	10.9	-	10.9
Sheridan	130	58.2	-	61.3	12.3	-	12.4	11.3	-	10.8
Sherman	317	59.8	58.2	58.8	12.7	14.3	14.2	11.0	11.1	10.1
Thomas	1,046	59.9	60.3	60.9	12.6	12.7	13.0	11.1	10.5	10.7
Northwest	**2,089**	**59.8**	**59.0**	**60.3**	**12.6**	**13.3**	**13.3**	**11.1**	**11.1**	**10.7**
Gove	231	60.1	61.6	61.0	12.3	12.8	12.9	11.2	11.3	10.6
Greeley	141	60.6	56.2	58.9	11.7	13.7	12.0	10.7	11.8	10.0
Lane	-	60.2	57.5	-	12.2	14.3	-	11.2	12.1	-
Logan	289	60.7	-	60.6	11.7	-	12.4	10.9	-	10.7
Ness	40	59.9	60.6	61.5	12.1	14.5	12.8	11.9	10.8	11.8
Scott	16	60.2	59.1	62.2	12.4	14.1	13.9	11.2	10.7	10.7
Trego	748	60.7	58.9	61.4	12.1	14.2	12.5	11.4	11.2	10.9
Wallace	198	60.5	57.1	58.8	12.2	14.7	13.8	11.3	11.8	10.4
Wichita	229	60.7	60.1	60.5	11.9	13.2	12.4	11.2	10.9	10.3
West Central	**1,892**	**60.4**	**58.9**	**60.6**	**12.1**	**13.9**	**12.8**	**11.3**	**11.3**	**10.7**
Clark	-	59.8	-	-	12.6	-	-	11.9	-	-
Finney	983	60.3	57.3	62.2	12.6	13.9	12.8	11.2	11.6	10.7
Ford	326	60.3	60.0	61.7	12.6	13.9	13.1	11.7	11.2	11.4
Grant	191	60.3	-	61.9	13.0	-	13.2	11.0	-	10.7
Gray	-	60.3	59.0	-	12.9	13.8	-	11.3	11.3	-
Hamilton	77	60.3	-	61.4	12.1	-	11.6	11.0	-	9.8
Haskell	82	60.0	57.9	61.8	12.6	13.9	12.8	11.3	11.5	10.9
Hodgeman	-	59.6	-	-	12.5	-	-	12.2	-	-
Kearny	-	61.0	62.8	-	12.2	12.6	-	10.5	10.9	-
Meade	211	60.4	59.7	61.1	13.0	14.2	12.7	11.8	11.2	11.0
Morton	313	60.1	59.2	61.1	12.7	13.7	12.6	10.4	10.2	10.4
Seward	69	60.6	59.7	60.7	12.9	14.0	12.4	11.1	11.1	11.0
Stanton	457	59.9	58.4	61.6	12.6	14.0	12.6	10.4	10.5	10.4
Stevens	80	60.5	58.6	62.1	12.9	14.4	12.6	10.8	10.6	10.5
Southwest	**2,789**	**60.3**	**59.5**	**61.6**	**12.7**	**13.8**	**12.7**	**11.2**	**11.1**	**10.7**
Clay	-	60.4	-	-	11.3	-	-	11.9	-	-
Cloud	478	60.2	61.1	62.4	11.7	11.5	12.1	11.7	13.0	11.6
Jewell	17	60.9	61.0	63.0	12.0	12.4	12.1	11.8	12.4	11.6
Mitchell	285	60.6	60.9	62.4	12.1	12.6	12.5	11.8	12.4	11.5
Osborne	110	60.3	60.2	61.1	12.4	13.5	13.7	11.5	11.8	10.9
Ottawa	-	60.9	-	-	11.8	-	-	11.7	-	-
Phillips	144	60.1	58.4	61.9	12.1	13.7	11.9	11.3	11.5	10.3
Republic	108	60.4	60.5	61.3	12.1	11.8	12.2	11.6	12.5	11.2
Rooks	-	59.5	59.5	-	12.3	13.8	-	11.5	12.0	-
Smith	151	60.5	60.0	61.6	12.3	13.7	13.1	11.5	12.1	11.1
Washington	-	60.3	-	-	11.7	-	-	12.3	-	-
North Central	**1,293**	**60.4**	**60.2**	**62.2**	**12.1**	**12.9**	**12.3**	**11.6**	**12.2**	**11.4**
Barton	490	60.6	61.0	60.7	12.4	13.1	12.9	11.9	11.7	11.2
Dickinson	123	60.3	60.4	61.2	11.3	11.2	12.0	12.4	12.2	11.3
Ellis	305	60.5	60.5	61.5	12.0	14.1	12.9	11.6	11.2	11.2
Ellsworth	123	61.0	60.4	61.0	11.8	12.0	12.6	12.0	12.1	12.0
Lincoln	3	60.6	60.6	63.1	11.8	13.6	12.9	11.6	12.4	12.6
McPherson	-	60.3	-	-	12.0	-	-	12.0	-	-
Marion	72	60.3	60.5	61.7	11.3	11.2	11.9	12.2	12.5	11.8
Rice	299	60.7	61.2	61.0	12.2	11.9	12.0	12.1	12.1	11.2
Rush	289	60.3	60.8	61.2	12.1	14.0	12.5	11.6	11.2	11.2
Russell	169	60.6	60.2	61.3	12.1	13.4	12.5	11.9	11.9	11.3
Saline	-	60.5	-	-	12.0	-	-	11.7	-	-
Central	**1,873**	**60.6**	**60.7**	**61.4**	**11.9**	**12.6**	**12.4**	**12.0**	**11.9**	**11.5**

TEST WEIGHT, PROTEIN CONTENT, AND MOISTURE, BY COUNTY

County and District	Samples Tested 2005 1/	Test Weight			Protein Content 2/			Moisture		
		Average 1994-03	2004	2005	Average 1994-03	2004	2005	Average 1994-03	2004	2005
Barber	106	60.3	59.8	60.2	11.8	11.4	10.9	11.7	11.6	11.6
Comanche	-	60.0	-	-	12.6	-	-	12.0	-	-
Edwards	45	60.8	61.3	61.5	12.6	13.9	13.1	12.0	11.8	12.3
Harper	-	59.7	-	-	11.8	-	-	11.8	-	-
Harvey	-	60.2	-	-	11.7	-	-	12.2	-	-
Kingman	203	61.0	60.0	59.8	11.5	11.1	10.3	12.0	11.5	11.8
Kiowa	102	60.4	59.5	60.8	12.5	13.7	11.9	12.3	11.8	13.0
Pawnee	791	60.2	61.1	60.5	12.6	13.9	13.2	11.8	11.4	11.2
Pratt	287	60.2	59.6	60.2	12.5	12.3	11.9	12.0	11.7	11.6
Reno	370	60.5	59.9	60.1	12.3	11.6	11.7	11.7	12.0	11.7
Sedgwick	120	60.5	60.6	60.5	11.7	11.3	12.2	11.9	11.8	11.3
Stafford	-	60.8	62.5	-	12.9	11.9	-	11.7	12.1	-
Sumner	190	59.4	58.1	58.9	11.8	11.4	10.2	12.0	11.7	11.6
South Central	**2,214**	**60.4**	**59.9**	**60.0**	**12.0**	**12.0**	**11.4**	**11.9**	**11.7**	**11.7**
Atchison	-	59.7	-	-	11.6	-	-	12.2	-	-
Brown	-	60.1	-	-	11.4	-	-	12.9	-	-
Doniphan	-	-	-	-	-	-	-	-	-	-
Jackson	-	-	-	-	-	-	-	-	-	-
Jefferson	-	-	-	-	-	-	-	-	-	-
Leavenworth	-	-	-	-	-	-	-	-	-	-
Marshall	-	60.8	62.2	-	11.3	11.9	-	12.2	12.4	-
Nemaha	-	59.4	-	-	11.5	-	-	12.9	-	-
Pottawatomie	-	-	-	-	-	-	-	-	-	-
Riley	-	-	-	-	-	-	-	-	-	-
Wyandotte	-	60.0	59.6	-	11.3	11.7	-	12.2	12.6	-
Northeast	**-**	**60.7**	**62.2**	**-**	**11.4**	**11.9**	**-**	**12.3**	**12.4**	**-**
Anderson	-	-	58.6	-	-	10.8	-	-	11.4	-
Chase	-	60.2	-	-	11.9	-	-	10.6	-	-
Coffey	-	60.1	58.6	-	10.7	11.0	-	12.4	12.9	-
Douglas	-	-	-	-	-	-	-	-	-	-
Franklin	-	60.4	59.5	-	10.9	11.2	-	12.1	12.2	-
Geary	-	-	-	-	-	-	-	-	-	-
Johnson	199	61.1	59.3	60.5	11.3	11.5	11.9	11.5	12.4	12.2
Linn	-	60.3	-	-	10.6	-	-	12.7	-	-
Lyon	-	-	-	-	-	-	-	-	-	-
Miami	-	-	-	-	-	-	-	-	-	-
Morris	-	61.1	-	-	10.9	-	-	12.4	-	-
Osage	-	61.7	-	-	11.6	-	-	12.5	-	-
Shawnee	-	60.4	61.4	-	11.6	12.8	-	12.1	11.2	-
Wabaunsee	-	-	-	-	-	-	-	-	-	-
East Central	**199**	**60.4**	**59.0**	**60.5**	**11.2**	**11.1**	**11.9**	**12.3**	**12.1**	**12.2**
Allen	5	59.8	58.0	59.9	10.3	10.8	11.2	12.8	12.7	12.5
Bourbon	-	-	-	-	-	-	-	-	-	-
Butler	-	58.8	-	-	11.5	-	-	12.5	-	-
Chautauqua	-	-	-	-	-	-	-	-	-	-
Cherokee	-	60.0	-	-	10.8	-	-	13.0	-	-
Cowley	115	59.6	59.6	59.2	11.3	12.0	11.4	12.2	12.1	11.8
Crawford	12	60.0	58.4	60.3	10.9	10.8	9.6	12.8	13.3	12.6
Elk	-	-	-	-	-	-	-	-	-	-
Greenwood	-	-	-	-	-	-	-	-	-	-
Labette	37	60.5	58.2	60.0	10.2	10.8	10.1	12.7	13.1	12.3
Montgomery	15	59.5	58.5	58.6	10.8	10.6	10.8	12.8	13.1	11.9
Neosho	27	59.7	58.4	59.4	11.1	10.7	11.0	12.8	12.8	12.0
Wilson	70	59.7	58.1	59.3	11.3	10.8	11.7	12.6	12.9	11.9
Woodson	-	-	-	-	-	-	-	-	-	-
Southeast	**281**	**59.6**	**58.8**	**59.5**	**11.1**	**11.1**	**10.9**	**12.6**	**12.7**	**12.1**
State	12,630	60.3	59.7	61.0	12.1	12.8	12.3	11.6	11.6	11.2

1/Samples tested represent data from inspection certificates of railroad cars. Summarized data include old crop and new crop wheat moving from first point of sale and inspected by the Kansas Grain Inspection Service, Inc.
2/ Adjusted to 12 percent moisture.
- Not published due to insufficient data or no samples taken, but included in district and State totals.

GRADES, DOCKAGE AND GRADE DEFECTS

Ninety-nine percent of the 2005 wheat carlots sampled averaged number 2 or better, compared with 87 percent for 2004. Wheat grading number 1, at 82 percent, was up 31 points from the 51 percent for 2004. Samples grading number 2, at 17 percent, were down 19 points from 36 percent for 2004. The Southwest District of the State had the highest average, with 96 percent of the samples grading number 1. The North Central District was second with 95 percent of the samples grading number 1. The Southeast District had the lowest average grading number 1, with 15 percent. Ninety-four percent of all samples had less than 0.9 percent dockage, compared with 98 percent in 2004. Total defects, at 1.6 percent, were down from the 2.1 percent in 2004.

PERCENTAGE OF KANSAS WHEAT IN EACH GRADE

Year	District									State
	NW	WC	SW	NC	C	SC	NE	EC	SE	
					Grade No. 1					
1996	48	73	64	63	60	49	19	40	36	55
1997	71	80	46	90	90	63	92	77	63	72
1998	90	92	90	81	91	88	73	80	42	88
1999	58	73	74	51	63	46	17	39	1	61
2000	5	34	25	42	88	57	88	99	41	39
2001	26	80	87	71	78	70	100	10	68	67
2002	41	31	40	94	35	32	100	84	30	48
2003	56	71	75	91	77	65	100	80	60	73
2004	44	19	24	88	79	37	99	4	10	51
2005	68	74	96	95	92	59	-	81	15	82
					Grade No. 2					
1996	38	20	32	30	38	46	45	60	51	38
1997	20	15	47	7	8	29	8	13	29	23
1998	9	7	9	18	8	9	27	20	52	11
1999	35	26	25	38	34	47	78	60	54	34
2000	49	63	71	51	12	39	12	1	50	52
2001	68	19	12	26	21	26	0	89	31	31
2002	57	66	57	6	53	64	0	16	68	48
2003	42	28	25	8	22	27	0	20	37	24
2004	29	43	49	11	20	50	1	93	72	36
2005	27	24	4	5	7	39	-	19	80	17
					All Other Grades					
1996	14	7	4	7	2	5	36	0	13	7
1997	9	5	7	3	2	8	0	10	8	5
1998	1	1	1	1	1	3	0	0	6	1
1999	7	1	1	11	3	7	5	1	45	5
2000	46	3	4	7	0	4	0	0	9	9
2001	6	1	1	3	1	4	0	1	1	2
2002	2	3	3	0	12	4	0	0	2	4
2003	2	1	0	1	1	8	0	0	3	3
2004	27	38	27	1	1	13	0	3	18	13
2005	5	2	0	0	1	2	-	0	5	1

- Not published due to insufficient data or no samples taken, but included in district and State totals.

KANSAS WHEAT DOCKAGE PERCENTAGES

Year	Number of Cars Sampled	Percent of Samples with Dockage				Average Dockage of Samples	
		Zero Percent	0.1-0.4 Percent	0.5-0.9 Percent	Over 0.9 Percent	Over 0.9%	All
1995	9,879	0	14	59	27	1.7	0.9
1996	14,735	0	20	47	33	2.0	1.1
1997	19,601	0	51	39	10	4.1	0.8
1998	18,190	1	36	56	7	1.3	0.6
1999	12,735	0	47	43	10	1.4	0.6
2000	16,302	0	28	61	11	1.3	0.6
2001	10,470	0	19	51	30	1.4	0.8
2002	9,481	0	50	44	6	1.2	0.5
2003	16,509	0	44	49	7	1.6	0.6
2004	9,827	0	58	40	2	1.3	0.5
2005	12,630	0	55	39	6	1.4	0.5

GRADE DEFECT PERCENTAGES OF KANSAS WHEAT

Year	District									State
	NW	WC	SW	NC	C	SC	NE	EC	SE	
Damaged Kernels										
1996	0.2	0.2	0.5	0.3	0.3	0.2	1.8	0.5	0.3	0.3
1997	0.1	0.2	0.2	0.0	0.1	0.2	0.2	0.3	0.1	0.1
1998	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.7	0.9	0.2
1999	0.1	0.1	0.3	0.3	0.7	0.6	0.8	0.9	1.8	0.4
2000	0.1	0.1	0.2	0.2	0.2	0.3	0.1	1.3	0.9	0.2
2001	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.4	0.1	0.1
2002	0.1	0.1	0.2	0.2	0.2	0.4	0.1	0.8	0.4	0.2
2003	0.1	0.3	0.3	0.2	0.4	0.3	0.2	0.9	0.7	0.3
2004	1.0	1.1	0.9	0.3	0.5	0.5	0.6	1.2	1.2	0.7
2005	0.4	0.1	0.2	0.4	0.2	0.2	-	0.5	0.4	0.3
Foreign Material										
1996	0.0	0.0	0.1	0.3	0.2	0.2	0.1	0.1	0.2	0.2
1997	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
1998	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
1999	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1
2000	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.2	0.1	0.1
2001	0.0	0.1	0.0	0.3	0.2	0.2	0.0	0.1	0.1	0.1
2002	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.1
2003	0.0	0.0	0.0	0.1	0.1	0.3	0.0	0.1	0.2	0.1
2004	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1
2005	0.0	0.0	0.0	0.1	0.1	0.1	-	0.1	0.1	0.1
Shrunken and Broken Kernels										
1996	1.7	1.7	1.4	1.5	1.4	1.9	1.2	1.4	1.2	1.6
1997	1.3	1.5	1.5	0.9	1.0	1.3	0.9	0.9	1.1	1.2
1998	1.4	1.7	1.9	1.3	1.4	1.6	0.8	1.0	1.2	1.5
1999	1.6	1.2	1.2	0.9	0.8	1.1	0.9	1.1	1.1	1.1
2000	2.0	2.1	2.2	1.5	1.5	1.5	1.0	1.1	0.8	1.8
2001	2.0	2.1	1.5	1.3	1.6	1.7	1.0	1.0	1.0	1.6
2002	1.9	1.8	1.7	1.0	1.2	1.2	0.8	1.1	1.0	1.4
2003	1.3	1.3	1.1	1.2	1.1	1.2	0.7	0.6	1.2	1.2
2004	1.5	1.6	1.4	0.9	1.1	1.5	0.6	0.8	1.1	1.3
2005	1.1	1.1	1.1	1.4	1.1	1.3	-	1.2	1.0	1.2
Total Defects 1/										
1996	1.9	1.9	2.0	2.1	1.9	2.3	3.1	2.0	1.7	2.1
1997	1.4	1.8	1.8	1.0	1.2	1.6	1.1	1.3	1.3	1.4
1998	1.6	2.0	2.1	1.6	1.6	1.8	1.1	1.8	2.2	1.8
1999	1.7	1.3	1.5	1.3	1.7	1.8	1.8	2.1	3.0	1.6
2000	2.2	2.3	2.5	1.8	1.8	1.9	1.1	2.5	1.8	2.1
2001	2.1	2.2	1.7	1.8	1.9	2.2	1.2	1.5	1.2	1.9
2002	2.0	2.0	2.0	1.3	1.5	1.7	0.9	1.9	1.5	1.7
2003	1.5	1.6	1.4	1.4	1.6	1.8	0.9	1.6	2.0	1.6
2004	2.5	2.7	2.4	1.3	1.6	2.2	1.2	2.1	2.3	2.1
2005	1.5	1.3	1.4	1.9	1.4	1.6	-	1.8	1.5	1.6

1/ Percentages by defect type may not add to total defects due to rounding.

- Not published due to insufficient data or no samples taken, but included in district and State totals.

WHEAT GRADES AND DOCKAGE, BY COUNTY

County and District	Grade						Dockage				Average Dockage of Samples	
	1	2	3	4	5	Sample	Zero %	0.1-0.4%	0.5-0.9%	Over 0.9%	Over 0.9%	All
	- - - - - - - Percent of Total 1/- - - - - - -						- - - - - Percent of Total 1/- - -				- - -Percent- -	
Cheyenne	36	64	0	0	0	0	0	29	59	12	1.3	0.6
Decatur	77	15	4	4	0	0	0	23	72	5	1.1	0.6
Graham	-	-	-	-	-	-	-	-	-	-	-	-
Norton	79	19	1	1	0	0	0	25	73	2	1.0	0.6
Rawlins	40	41	19	0	0	0	0	27	68	5	1.1	0.6
Sheridan	81	12	5	2	0	0	0	8	81	11	1.4	0.7
Sherman	7	80	13	0	0	0	0	4	52	44	1.2	1.0
Thomas	87	13	0	0	0	0	0	11	79	10	1.2	0.7
Northwest	**68**	**27**	**4**	**1**	**0**	**0**	**0**	**13**	**73**	**14**	**1.2**	**0.7**
Gove	87	13	0	0	0	0	0	54	44	2	1.3	0.5
Greeley	15	71	13	1	0	0	0	1	51	48	1.3	1.0
Lane	-	-	-	-	-	-	-	-	-	-	-	-
Logan	89	10	0	1	0	0	0	23	70	7	1.6	0.6
Ness	100	0	0	0	0	0	0	78	22	0	0.0	0.4
Scott	94	0	0	6	0	0	0	31	69	0	0.0	0.5
Trego	99	1	0	0	0	0	0	62	38	0	0.0	0.4
Wallace	2	96	2	0	0	0	0	2	83	15	1.1	0.8
Wichita	69	31	0	0	0	0	0	12	74	14	1.2	0.7
West Central	**74**	**24**	**2**	**0**	**0**	**0**	**0**	**36**	**54**	**10**	**1.3**	**0.6**
Clark	-	-	-	-	-	-	-	-	-	-	-	-
Finney	96	3	1	0	0	0	0	7	91	2	1.1	0.6
Ford	93	7	0	0	0	0	0	79	21	0	0.0	0.4
Grant	93	6	1	0	0	0	0	41	50	9	1.2	0.5
Gray	-	-	-	-	-	-	-	-	-	-	-	-
Hamilton	100	0	0	0	0	0	0	18	77	5	1.0	0.6
Haskell	96	4	0	0	0	0	0	77	22	1	1.3	0.4
Hodgeman	-	-	-	-	-	-	-	-	-	-	-	-
Kearny	-	-	-	-	-	-	-	-	-	-	-	-
Meade	93	6	1	0	0	0	0	81	17	2	1.3	0.4
Morton	94	6	0	0	0	0	0	37	52	11	1.1	0.6
Seward	93	4	3	0	0	0	0	28	69	3	1.2	0.6
Stanton	96	4	0	0	0	0	0	20	70	10	1.3	0.6
Stevens	100	0	0	0	0	0	0	34	62	4	1.0	0.5
Southwest	**96**	**4**	**0**	**0**	**0**	**0**	**0**	**31**	**65**	**4**	**1.2**	**0.5**
Clay	-	-	-	-	-	-	-	-	-	-	-	-
Cloud	95	5	0	0	0	0	0	97	3	0	0.0	0.3
Jewell	100	0	0	0	0	0	6	47	29	18	2.1	0.7
Mitchell	99	1	0	0	0	0	0	59	41	0	0.0	0.4
Osborne	95	5	0	0	0	0	0	24	76	0	0.0	0.6
Ottawa	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	97	2	0	1	0	0	0	45	54	1	1.2	0.5
Republic	93	7	0	0	0	0	0	44	52	4	1.1	0.5
Rooks	-	-	-	-	-	-	-	-	-	-	-	-
Smith	93	4	1	1	1	0	0	48	47	5	1.3	0.5
Washington	-	-	-	-	-	-	-	-	-	-	-	-
North Central	**95**	**5**	**0**	**0**	**0**	**0**	**0**	**89**	**11**	**0**	**0.0**	**0.4**
Barton	89	10	1	0	0	0	0	66	32	2	1.2	0.4
Dickinson	99	1	0	0	0	0	0	41	55	4	1.9	0.6
Ellis	99	1	0	0	0	0	0	64	35	1	1.2	0.4
Ellsworth	92	8	0	0	0	0	0	51	44	5	1.5	0.5
Lincoln	100	0	0	0	0	0	0	100	0	0	0.0	0.3
McPherson	-	-	-	-	-	-	-	-	-	-	-	-
Marion	100	0	0	0	0	0	0	57	5	38	1.9	0.9
Rice	88	11	1	0	0	0	0	78	21	1	2.0	0.4
Rush	93	7	0	0	0	0	0	58	41	1	1.1	0.4
Russell	99	1	0	0	0	0	0	52	43	5	1.1	0.5
Saline	-	-	-	-	-	-	-	-	-	-	-	-
Central	**92**	**7**	**1**	**0**	**0**	**0**	**0**	**63**	**34**	**3**	**1.5**	**0.5**

WHEAT GRADES AND DOCKAGE, BY COUNTY

County and District	Grade						Dockage				Average Dockage of Samples	
	1	2	3	4	5	Sample	Zero %	0.1-0.4%	0.5-0.9%	Over 0.9%	Over 0.9%	All
	- - - - - - - Percent of Total 1/- - - - - - -						- - - - - Percent of Total 1/- - -				- - -Percent- -	
Barber	59	37	3	1	0	0	1	58	39	2	1.3	0.5
Comanche	-	-	-	-	-	-	-	-	-	-	-	-
Edwards	100	0	0	0	0	0	0	98	2	0	0.0	0.2
Harper	-	-	-	-	-	-	-	-	-	-	-	-
Harvey	-	-	-	-	-	-	-	-	-	-	-	-
Kingman	46	52	1	1	0	0	0	60	40	0	0.0	0.4
Kiowa	100	0	0	0	0	0	0	33	66	1	1.3	0.5
Pawnee	83	16	1	0	0	0	0	81	18	1	1.2	0.4
Pratt	68	31	0	1	0	0	0	57	38	5	1.6	0.5
Reno	65	34	1	0	0	0	0	66	33	1	1.4	0.4
Sedgwick	76	9	5	1	0	0	0	44	37	19	1.8	0.7
Stafford	-	-	-	-	-	-	-	-	-	-	-	-
Sumner	3	95	2	0	0	0	0	46	11	43	2.2	1.1
South Central	**59**	**39**	**1**	**1**	**0**	**0**	**0**	**63**	**27**	**10**	**1.7**	**0.6**
Atchison	-	-	-	-	-	-	-	-	-	-	-	-
Brown	-	-	-	-	-	-	-	-	-	-	-	-
Doniphan	-	-	-	-	-	-	-	-	-	-	-	-
Jackson	-	-	-	-	-	-	-	-	-	-	-	-
Jefferson	-	-	-	-	-	-	-	-	-	-	-	-
Leavenworth	-	-	-	-	-	-	-	-	-	-	-	-
Marshall	-	-	-	-	-	-	-	-	-	-	-	-
Nemaha	-	-	-	-	-	-	-	-	-	-	-	-
Pottawatomie	-	-	-	-	-	-	-	-	-	-	-	-
Riley	-	-	-	-	-	-	-	-	-	-	-	-
Wyandotte	-	-	-	-	-	-	-	-	-	-	-	-
Northeast	-	-	-	-	-	-	-	-	-	-	-	-
Anderson	-	-	-	-	-	-	-	-	-	-	-	-
Chase	-	-	-	-	-	-	-	-	-	-	-	-
Coffey	-	-	-	-	-	-	-	-	-	-	-	-
Douglas	-	-	-	-	-	-	-	-	-	-	-	-
Franklin	-	-	-	-	-	-	-	-	-	-	-	-
Geary	-	-	-	-	-	-	-	-	-	-	-	-
Johnson	81	19	0	0	0	0	0	36	61	3	1.2	0.5
Linn	-	-	-	-	-	-	-	-	-	-	-	-
Lyon	-	-	-	-	-	-	-	-	-	-	-	-
Miami	-	-	-	-	-	-	-	-	-	-	-	-
Morris	-	-	-	-	-	-	-	-	-	-	-	-
Osage	-	-	-	-	-	-	-	-	-	-	-	-
Shawnee	-	-	-	-	-	-	-	-	-	-	-	-
Wabaunsee	-	-	-	-	-	-	-	-	-	-	-	-
East Central	**81**	**19**	**0**	**0**	**0**	**0**	**0**	**36**	**61**	**3**	**1.3**	**0.5**
Allen	60	40	0	0	0	0	0	0	100	0	0.0	0.6
Bourbon	-	-	-	-	-	-	-	-	-	-	-	-
Butler	-	-	-	-	-	-	-	-	-	-	-	-
Chautauqua	-	-	-	-	-	-	-	-	-	-	-	-
Cherokee	-	-	-	-	-	-	-	-	-	-	-	-
Cowley	5	88	7	0	0	0	0	34	17	49	2.2	1.3
Crawford	75	25	0	0	0	0	0	83	17	0	0.0	0.3
Elk	-	-	-	-	-	-	-	-	-	-	-	-
Greenwood	-	-	-	-	-	-	-	-	-	-	-	-
Labette	51	49	0	0	0	0	0	89	11	0	0.0	0.3
Montgomery	0	87	13	0	0	0	0	33	60	7	1.5	0.6
Neosho	22	78	0	0	0	0	0	67	18	15	2.7	0.7
Wilson	15	84	1	0	0	0	0	71	26	3	1.8	0.4
Woodson	-	-	-	-	-	-	-	-	-	-	-	-
Southeast	**15**	**80**	**5**	**0**	**0**	**0**	**0**	**50**	**20**	**30**	**2.1**	**0.7**
State	82	17	1	0	0	0	0	55	39	6	1.4	0.5

1/ May not add due to rounding.

- Not published due to insufficient data or no samples taken, but included in district and State totals.

GRADE DEFECT PERCENTAGES, BY COUNTY

County and District	Samples Tested 2005 1/	Total Damaged Kernels			Foreign Material			Shrunken and Broken Kernels			Total Defects 2/		
		Average 1994-03	2004	2005	Average 1994-03	2004	2005	Average 1994-03	2004	2005	Average 1994-03	2004	2005
Cheyenne	66	0.1	3.0	0.5	0.0	0.0	0.0	2.1	1.5	1.0	2.3	4.5	1.6
Decatur	279	0.1	0.3	0.1	0.1	0.0	0.2	1.5	1.3	1.1	1.7	1.6	1.4
Graham	-	0.1	-	-	0.1	-	-	2.2	-	-	2.4	-	-
Norton	141	0.2	-	0.2	0.1	-	0.1	1.5	-	1.3	1.7	-	1.6
Rawlins	110	0.1	-	0.9	0.0	-	0.0	1.9	-	1.2	2.0	-	2.1
Sheridan	130	0.1	-	0.2	0.0	-	0.1	1.3	-	1.3	1.4	-	1.6
Sherman	317	0.1	1.4	0.2	0.0	0.0	0.0	1.9	1.2	1.2	1.9	2.7	1.4
Thomas	1,046	0.2	0.4	0.3	0.0	0.0	0.0	1.8	1.7	0.9	2.0	2.1	1.2
Northwest	**2,089**	**0.1**	**1.0**	**0.4**	**0.0**	**0.0**	**0.0**	**1.8**	**1.5**	**1.1**	**1.9**	**2.5**	**1.5**
Gove	231	0.1	0.6	0.2	0.0	0.1	0.0	1.7	1.4	0.9	1.8	2.1	1.1
Greeley	141	0.2	1.9	0.2	0.0	0.0	0.0	1.9	1.7	1.4	2.1	3.5	1.7
Lane	-	0.2	1.8	-	0.0	0.0	-	1.8	1.4	-	2.1	3.2	-
Logan	289	0.1	-	0.2	0.0	-	0.1	1.9	-	1.0	2.0	-	1.2
Ness	40	0.1	0.5	0.1	0.1	0.1	0.0	1.8	1.3	1.1	2.0	1.8	1.2
Scott	16	0.2	1.4	0.0	0.0	0.0	0.1	1.8	2.0	1.0	2.0	3.3	1.2
Trego	748	0.2	0.3	0.2	0.2	0.0	0.1	1.8	1.2	1.0	2.2	1.5	1.2
Wallace	198	0.2	1.5	0.2	0.0	0.0	0.0	1.8	1.4	1.2	2.0	2.9	1.4
Wichita	229	0.2	0.7	0.2	0.0	0.0	0.1	1.9	1.9	1.4	2.2	2.6	1.7
West Central	**1,892**	**0.2**	**1.1**	**0.1**	**0.0**	**0.0**	**0.0**	**1.9**	**1.6**	**1.1**	**2.1**	**2.7**	**1.3**
Clark	-	0.5	-	-	0.1	-	-	1.9	-	-	2.4	-	-
Finney	983	0.2	1.6	0.2	0.1	0.0	0.0	1.7	1.5	1.2	2.0	3.2	1.3
Ford	326	0.3	0.3	0.8	0.1	0.0	0.1	1.8	1.7	1.1	2.2	2.0	1.9
Grant	191	0.2	-	0.1	0.0	-	0.0	1.9	-	1.2	2.1	-	1.3
Gray	-	0.2	0.7	-	0.0	0.1	-	1.5	1.7	-	1.8	2.4	-
Hamilton	77	0.3	-	0.1	0.0	-	0.0	2.1	-	1.4	2.4	-	1.5
Haskell	82	0.3	0.7	0.1	0.0	0.0	0.0	1.6	1.7	1.1	1.9	2.3	1.3
Hodgeman	-	0.1	-	-	0.0	-	-	2.0	-	-	2.1	-	-
Kearny	-	0.1	2.3	-	0.1	0.0	-	1.3	0.7	-	1.5	3.0	-
Meade	211	0.3	0.5	0.2	0.1	0.1	0.0	1.5	1.4	1.2	1.9	2.0	1.4
Morton	313	0.3	0.3	0.2	0.0	0.0	0.0	2.0	1.7	1.2	2.3	2.0	1.4
Seward	69	0.2	0.3	0.3	0.1	0.0	0.1	1.7	1.4	1.2	2.0	1.7	1.5
Stanton	457	0.2	0.6	0.1	0.0	0.0	0.0	2.2	1.6	1.1	2.4	2.2	1.2
Stevens	80	0.2	1.2	0.1	0.0	0.1	0.0	1.8	1.6	0.7	2.1	2.8	0.8
Southwest	**2,789**	**0.3**	**0.9**	**0.2**	**0.1**	**0.0**	**0.0**	**1.8**	**1.4**	**1.1**	**2.1**	**2.4**	**1.4**
Clay	-	0.1	-	-	0.2	-	-	1.3	-	-	1.6	-	-
Cloud	478	0.3	0.7	0.6	0.2	0.1	0.2	1.7	0.9	1.4	2.2	1.7	2.2
Jewell	17	0.1	0.1	0.0	0.1	0.0	0.1	1.3	1.0	1.2	1.5	1.1	1.2
Mitchell	285	0.2	0.2	0.1	0.2	0.0	0.1	1.4	0.9	1.1	1.8	1.2	1.3
Osborne	110	0.2	0.2	0.3	0.1	0.2	0.1	1.5	1.0	1.6	1.8	1.3	1.9
Ottawa	-	0.1	-	-	0.4	-	-	1.4	-	-	1.9	-	-
Phillips	144	0.2	0.1	0.1	0.1	0.0	0.0	1.5	1.2	1.6	1.7	1.3	1.7
Republic	108	0.6	0.3	0.2	0.2	0.0	0.1	1.4	0.8	1.4	2.1	1.2	1.7
Rooks	-	0.1	0.2	-	0.1	0.0	-	1.5	0.9	-	1.7	1.1	-
Smith	151	0.1	0.7	0.2	0.1	0.0	0.1	1.3	0.8	1.2	1.5	1.5	1.5
Washington	-	0.7	-	-	0.1	-	-	1.4	-	-	2.1	-	-
North Central	**1,293**	**0.2**	**0.3**	**0.4**	**0.2**	**0.0**	**0.1**	**1.4**	**0.9**	**1.4**	**1.8**	**1.3**	**1.9**
Barton	490	0.3	0.4	0.2	0.2	0.1	0.1	1.4	1.0	1.1	1.8	1.5	1.4
Dickinson	123	0.4	0.4	0.4	0.2	0.1	0.1	1.4	1.2	1.5	1.9	1.7	2.0
Ellis	305	0.2	0.5	0.2	0.1	0.0	0.0	1.6	1.0	1.2	2.0	1.5	1.4
Ellsworth	123	0.2	0.6	0.2	0.1	0.1	0.0	1.3	1.2	1.3	1.7	1.9	1.5
Lincoln	3	0.2	0.5	0.0	0.1	0.1	0.0	1.5	0.8	1.0	1.8	1.4	1.0
McPherson	-	0.3	-	-	0.2	-	-	1.4	-	-	2.0	-	-
Marion	72	0.3	0.5	0.2	0.2	0.1	0.1	1.5	1.2	1.0	1.9	1.7	1.4
Rice	299	0.2	0.4	0.2	0.1	0.1	0.1	1.3	1.1	0.9	1.6	1.6	1.2
Rush	289	0.2	0.5	0.2	0.1	0.0	0.0	1.6	1.1	1.1	1.9	1.6	1.3
Russell	169	0.2	0.4	0.2	0.1	0.1	0.0	1.4	1.0	1.2	1.8	1.5	1.5
Saline	-	0.5	-	-	0.3	-	-	1.9	-	-	2.6	-	-
Central	**1,873**	**0.3**	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**1.5**	**1.1**	**1.1**	**1.9**	**1.6**	**1.4**

GRADE DEFECT PERCENTAGES, BY COUNTY

County and District	Samples Tested 2005 1/	Total Damaged Kernels			Foreign Material			Shrunken and Broken Kernels			Total Defects 2/		
		Average 1994-03	2004	2005	Average 1994-03	2004	2005	Average 1994-03	2004	2005	Average 1994-03	2004	2005
Barber	106	0.1	0.1	0.1	0.1	0.1	0.2	1.6	1.6	1.5	1.9	1.8	1.8
Comanche	-	0.2	-	-	0.2	-	-	1.8	-	-	2.3	-	-
Edwards	45	0.2	0.2	0.1	0.0	0.0	0.0	1.4	1.0	0.8	1.6	1.3	0.9
Harper	-	0.1	-	-	0.4	-	-	2.0	-	-	2.4	-	-
Harvey	-	0.2	-	-	0.2	-	-	1.4	-	-	1.8	-	-
Kingman	203	0.1	0.2	0.1	0.2	0.1	0.2	1.5	1.6	1.5	1.9	2.0	1.9
Kiowa	102	0.3	0.2	0.1	0.1	0.0	0.1	1.4	1.2	1.1	1.8	1.5	1.3
Pawnee	791	0.2	0.4	0.2	0.1	0.1	0.1	1.6	1.0	1.0	2.0	1.6	1.2
Pratt	287	0.2	0.3	0.1	0.2	0.2	0.1	1.6	1.6	1.3	2.0	2.1	1.5
Reno	370	0.5	1.8	0.5	0.3	0.2	0.2	1.7	1.3	1.2	2.4	3.3	1.9
Sedgwick	120	0.8	0.5	0.1	0.2	0.1	0.1	1.8	1.7	1.4	2.7	2.3	1.6
Stafford	-	0.2	0.3	-	0.2	0.2	-	1.6	0.9	-	1.9	1.4	-
Sumner	190	0.2	0.4	0.1	0.3	0.1	0.1	1.8	1.9	1.3	2.3	2.4	1.6
South Central	**2,214**	**0.3**	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**1.6**	**1.5**	**1.3**	**2.1**	**2.2**	**1.6**
Atchison	-	1.0	-	-	0.1	-	-	1.3	-	-	2.3	-	-
Brown	-	1.0	-	-	0.0	-	-	0.8	-	-	1.8	-	-
Doniphan	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Jackson	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Jefferson	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Leavenworth	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Marshall	-	0.5	0.6	-	0.0	0.0	-	1.1	0.7	-	1.6	1.2	-
Nemaha	-	1.3	-	-	0.1	-	-	1.4	-	-	2.8	-	-
Pottawatomie	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Riley	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Wyandotte	-	1.1	1.2	-	0.1	0.1	-	1.3	1.0	-	2.5	2.3	-
Northeast	**-**	**0.7**	**0.6**	**-**	**0.0**	**0.0**	**-**	**1.1**	**0.6**	**-**	**1.8**	**1.2**	**-**
Anderson	-	0.0	1.0	-	0.0	0.2	-	0.0	0.9	-	0.0	2.2	-
Chase	-	0.3	-	-	0.0	-	-	2.4	-	-	2.7	-	-
Coffey	-	0.3	1.3	-	0.0	0.0	-	0.9	0.7	-	1.3	2.0	-
Douglas	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Franklin	-	0.6	1.2	-	0.0	0.1	-	0.8	0.8	-	1.4	2.1	-
Geary	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Johnson	199	0.9	1.5	0.5	0.1	0.1	0.1	2.0	0.8	1.2	3.1	2.4	1.8
Linn	-	0.8	-	-	0.1	-	-	0.8	-	-	1.7	-	-
Lyon	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Miami	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Morris	-	0.3	-	-	0.2	-	-	1.4	-	-	1.8	-	-
Osage	-	0.1	-	-	0.0	-	-	0.7	-	-	0.9	-	-
Shawnee	-	0.5	0.6	-	0.2	0.0	-	1.4	1.3	-	2.1	1.9	-
Wabaunsee	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
East Central	**199**	**0.7**	**1.2**	**0.5**	**0.1**	**0.1**	**0.1**	**1.2**	**0.8**	**1.2**	**2.0**	**2.1**	**1.8**
Allen	5	0.5	1.4	0.4	0.1	0.1	0.1	0.8	0.9	1.2	1.3	2.4	1.7
Bourbon	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Butler	-	0.2	-	-	0.2	-	-	1.6	-	-	1.9	-	-
Chautauqua	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Cherokee	-	0.9	-	-	0.1	-	-	1.0	-	-	2.0	-	-
Cowley	115	0.4	0.3	0.2	0.2	0.1	0.1	1.5	1.4	1.2	2.1	1.7	1.4
Crawford	12	1.3	1.2	0.2	0.1	0.1	0.0	1.0	0.9	0.5	2.3	2.2	0.7
Elk	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Greenwood	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Labette	37	0.5	1.5	0.6	0.1	0.1	0.0	1.1	1.1	0.7	1.6	2.7	1.4
Montgomery	15	0.7	1.3	0.5	0.1	0.0	0.1	1.3	1.1	1.5	2.0	2.4	2.0
Neosho	27	0.6	1.9	0.7	0.1	0.1	0.1	1.2	0.9	0.9	1.8	2.8	1.7
Wilson	70	0.7	3.0	0.8	0.1	0.1	0.1	1.3	1.1	0.8	2.1	4.1	1.6
Woodson	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
Southeast	**281**	**0.6**	**1.2**	**0.4**	**0.1**	**0.1**	**0.1**	**1.3**	**1.1**	**1.0**	**2.0**	**2.3**	**1.5**
State	12,630	0.2	0.7	0.3	0.1	0.1	0.1	1.6	1.3	1.2	2.0	2.1	1.6

1/ Samples tested represent data from inspection certificates of railroad cars. Summarized data include old crop and new crop wheat moving from first point of sale and inspected by the Kansas Grain Inspection Service, Inc.

2/ Percentages by defect may not add to total due to rounding.

- Not published due to insufficient data or no samples taken, but included in district and State totals.

2005 KANSAS WHEAT VARIETIES

Jagger was the leading variety of wheat seeded in Kansas for the 2005 crop. Accounting for 28.2 percent of the State's wheat, Jagger decreased 12.7 points from a year ago but was the most popular variety in six of the nine districts. Jagalene moved up to second place, with 21.2 percent of the acreage. Jagalene increased 18.2 points and ranked in the top 5 for all nine districts. The KSU-maintained variety 2137 came in third, down 2.9 points from last year. TAM 110 moved down to fourth place with 3.3 percent of the acreage. The OSU-maintained variety 2174 moved up to fifth place with 3.0 percent of the State's acreage. Trego, a hard white wheat, fell to sixth place, with 2.9 percent. The KSU-maintained variety 2145 and Overley were both new to the top ten and tied for seventh place with 2.2 percent. Cutter and Thunderbolt also were both new to the top ten and tied for ninth place with 1.7 percent. Acres planted with blended varieties were not included in the rankings by variety. Blends accounted for 11.3 percent of the State's planted acres and were used more extensively in the north central, northeast, and central areas of the State. Out of the total acres planted with blends, 73.5 percent included Jagger in the blend and 41.2 percent had 2137 in the blend. Hard White varieties accounted for 3.9 percent of the State's acreage. Trego was the leading Hard White variety, accounting for 74 percent of the State's white wheat. The majority of the white wheat was planted in the western third of the State. This Wheat Variety project is funded by the Kansas Wheat Commission.

Distribution of Kansas Winter Wheat Varieties, 1996-2005

Variety	By Crop Year									
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
	Percent of Seeded Acreage									
Jagger	1.0	6.4	20.2	29.2	34.0	35.8	42.8	45.2	40.9	28.2
Jagalene	--	--	--	--	--	--	--	--	3.0	21.2
2137	--	1.0	13.5	22.0	23.1	22.3	15.5	13.3	8.6	5.7
TAM 110	--	--	--	0.5	1.3	2.8	3.0	3.8	4.2	3.3
2174	--	--	--	--	1.1	3.0	3.1	3.1	2.8	3.0
Trego1/	--	--	--	--	--	0.3	0.8	1.8	3.5	2.9
2145	--	--	--	--	--	--	--	--	1.5	2.2
Overley	--	--	--	--	--	--	--	--	0.1	2.2
Cutter	--	--	--	--	--	--	--	--	0.7	1.7
Thunderbolt	--	--	--	--	--	0.2	0.6	0.8	1.4	1.7
T81	--	--	--	--	0.2	0.2	0.8	0.6	1.8	1.6
Karl/Karl 92	20.9	22.1	10.8	5.9	3.5	3.3	3.6	3.2	2.3	1.5
Stanton	--	--	--	--	--	--	0.1	0.6	1.4	1.4
Ike	7.2	10.5	7.0	5.5	4.1	3.6	2.6	2.1	2.0	1.4
Dominator	--	--	0.2	0.8	1.4	1.5	2.0	2.2	1.5	1.1
TAM 107	17.1	17.0	12.6	8.3	6.3	5.3	2.9	2.3	1.3	1.0
Akron	--	--	0.4	0.8	1.0	0.4	0.4	0.2	0.9	0.5
Coronado	--	--	0.8	1.3	1.0	1.1	0.7	0.8	0.5	0.4
NuHills1/	--	--	--	--	--	--	--	--	--	0.3
Larned	4.8	3.6	2.4	1.9	1.2	1.0	0.9	0.8	0.4	0.3
Custer	--	--	0.1	0.1	0.1	0.1	--	--	--	0.3
Vista	0.8	1.2	1.1	0.9	0.9	1.0	0.9	0.3	0.2	0.3
TAM 111	--	--	--	--	--	--	--	--	--	0.2
Dumas	--	--	--	--	--	--	--	--	0.1	0.2
NuFrontier1/	--	--	--	--	--	--	0.1	0.3	0.6	0.2
Longhorn	0.5	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2
2163	19.8	15.4	10.4	3.4	2.3	2.0	1.3	0.8	0.3	0.2
Venango	--	--	--	--	--	--	0.1	0.1	0.2	0.2
Blends	--	--	2.6	6.1	7.5	7.0	11.5	12.8	15.2	11.3
Other Hard White varieties	--	--	--	--	0.2	0.5	0.2	0.6	0.8	0.5
Other Hard Varieties	27.7	22.2	17.7	13.2	10.6	8.5	5.8	4.1	3.7	4.8
Other Soft Varieties	0.2	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: -- = Data not available for variety or blends, or acreage is included in Other Hard Varieties.

1/ Hard White Winter variety. 2/ 0 = less than .1 percent.