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STAFF PAPER

KANSAS FEED GRAIN PRODUCTION AND CONSUMPTION TRENDS IN KANSAS

Victor E. Eusebio
and
L. Orlo Sorenson*

October 1988
No. 89-2

Department of Agricultural Economics/
Kansas State University.

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Feed Grain Production and Consumption Trends
in Kansas*

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*Sincere appreciation is expressed to Ming H. Chow for assistance in development of empirical analysis and to Paul Gallagher, Allen Featherstone and Ted C. Schroeder for helpful comments on an earlier version of this paper.

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Introduction

This study estimates production and consumption of feed grains in Kansas for a future period based on past trends in production of corn and milo and various classes of livestock. Patterns of supply and disappearance of feed grains state-wide, regionally, and locally influence business decisions by livestock producers, grain producers, and marketing firms. Feed availability affects the decisions of livestock producers regarding the nature, timing, and magnitude of investments. Grain producers can benefit from advance awareness of changes in the local livestock sector in order to incorporate such changes in their future production plans.

Availability of feed grains and livestock is of prime concern in locating marketing and processing firms. Agribusiness firms supplying chemicals, machinery, other inputs, and services to agriculture also need to estimate future patterns of demand for the goods and services they provide. Size and location of many types of handling, storage, and processing facilities depend upon the delicate balance between feed grains and livestock.

The physical movement of commodities (grains and livestock) from producers to consumers involves the use of transportation services. The availability of adequate and reasonably priced transportation -- whether for the domestic or export market -- is essential for an efficient U.S. agriculture. Such efficiency can be partly achieved by effectively gauging current and future demand for transportation services as a function of existing and future grain-livestock relationships.

This study examines the feed grain-livestock situation in Kansas with emphasis on feed grain production and consumption trends at the state, regional

(crop reporting district), and local (county) levels. Specifically, the objectives are:

- (1) to project the production of feed grains and animal populations of Kansas for 1990, 2000, and 2010;
- (2) to estimate total feed grain production and consumption in 1990, 2000, and 2010; and
- (3) to project feed grain balances to the years 1990, 2000, and 2010.

Feed Grain Production and Consumption Data

Feed grain surpluses or deficits in specific areas depend upon amount of feed grain production and magnitude of feed use by livestock and poultry. Production minus utilization of feed is termed the feed grain balance.

Feed Grain Production

Corn and grain sorghum are the major grains that are fed to livestock and poultry. Together, they constitute more than 95 percent of total Kansas feed grains produced annually. Projected feed grain balances in this study do not include oats or barley, which are produced in very small quantities. Feed use of wheat is not included in the feed grain supply. Although significant amounts of wheat have been fed in some circumstances in the past, price relationships normally have prompted very limited use of wheat for feed. Annual historical data on corn and grain sorghum production at the state and county levels are obtained from Farm Facts published annually by the Kansas State Board of Agriculture.

Feed Grain Consumption

Ten animal classes¹ [milk cows, milk cow replacements, cattle on feed, other cattle, hogs fed, stock sheep, two classes of lambs on feed (native and shipped-in), hens and pullets, and other chickens] are included in this study. Two steps are necessary to calculate feed grain consumption in a specific area. The first is to estimate the number of animals in an area during any particular period. The second is to estimate consumption per head during the same time period. The number of animals in each of the 10 classes was obtained from Farm Facts and/or from the U.S. Department of Agriculture publication, Agricultural Statistics.

State data by years were available for all major categories of grain and livestock. County data were available for corn and grain sorghum and for many classes of livestock. In cases where county data were not available, allocations were made based on a closely related series. For example, milk cow replacements were assigned to counties on the basis of reported milk cow numbers by counties. The proxy class for stock sheep, lambs on feed (native), and lambs on feed (shipped-in) was the reported county number series on all sheep and lambs. County data series were available for cattle on feed, hogs fed, and milk cows. Proxy classes used in obtaining county estimates are found in Table 1.

¹Definitions of all animal classes are found in Appendix A.

The feed grain balance is calculated by subtracting feed grain consumption from feed grain production, using the feed unit concept² as the common yardstick of measurement. The feed balance can be positive or negative in any particular year for any specific area. A positive balance indicates a feed grain surplus, whereas a negative balance indicates a deficit. Thus, the feed grain balance is used to gauge both the volume and the direction of transport movement at present and in the future within and/or outside Kansas.³

Procedure

Two types of grain and 10 animal classes are included in this study. Feed grain production and livestock and poultry populations are projected based on historical (1946-87) annual data at the state level. These statewide projections then are allocated among counties and regions by using an allocation procedure described later in this section. Once county- and region-wide allocations are made among the different grain types and animal classes, the feed unit equivalents and the feed grain balances are estimated for 1990, 2000, and 2010.

Projection Methods

Two estimation procedures, the trend method and the forecast method, are used to project feed grain production and livestock and poultry populations at the state level. Their similarities and differences are discussed below.

²The feed unit concept uses total digestible nutrients (TDN) as the yardstick for classifying each feed grain in terms of feed units. One feed unit is defined as the feeding value of a pound of corn containing 78.6 percent TDN. Estimates of feed grain and annual feed grain consumption rations for all animal classes are found in Appendix B.

³A positive balance (surplus) indicates feed grain shipments out of the area, whereas a negative balance (deficit) indicates that feed grain may have been shipped into the area or that existing inventories are reduced or depleted.

1. Trend method. The approach involves the generation of time series forecasts using the trend or irregular components of the time series.⁴ Although the trend component assumes that a univariate data series can be represented by a continuous and differentiable function of time, the irregular component represents what is "left over" in a time series after trend has been accounted for. Accuracy of the forecast will depend on the size of the irregular component.

The annual statewide data series on feed grain production and animal populations have been characterized by large variations (and, therefore, sizeable irregular fluctuations from the trend). Forecasts for a single year based solely on trend give very little information for decision makers because of the possibility of under- and over-estimation given extremely large variances. It is believed that production and consumption levels over a certain period rather than for a specific year will provide better information for management. Trend projections based on production/population over a certain period centered at a given year are more useful for future planning and development.

A primary five-year moving average data series from 1948 to 1985 is calculated based on the current year's production and that of two previous and two following years. Therefore, the annual data series from 1946 to 1987 is used to obtain the 1948 to 1985 average production levels over a five-year period.

⁴The components of a time series are the following: (1) trend; (2) cycle; (3) seasonal variations; and (4) irregular fluctuations. Trend refers to the upward or downward movement that characterizes a time series over a period of time. Thus, trend reflects the long-run growth or decline in the time series. Cycle refers to recurring up and down movements around trend levels. These fluctuations can have a duration of anywhere from two to 10 years or even longer. Seasonal variations are periodic patterns in a time series that complete themselves within the period of a calendar year and then are repeated on a yearly basis. Irregular fluctuations are erratic movements in a time series that follow no recognizable or regular pattern.

By using a moving average data series, the effects of irregular factors have been decreased without changing the trend levels.

In order to account for structural change and to discount the past, three different time periods are generated from the primary five-year moving average data series. These three time periods cover the 1948-85 period, the 1960-85 period, and the 1972-85 period.

Three regression models are employed in this study: (1) the power model; (2) the superbolic model; and (3) the double-logarithmic model. The five-year moving average data are regressed to variable time index, i.e., 1948 = 1 if the 1948-85 period is used. Four power values (1.2, 1.0, 0.8, and 0.6) are tested for each crop or animal class. A summary of the regression models is found in Appendix C.

2. Forecast method. The forecast method like the trend method can be described in terms of trend and irregular components of the time series. The approaches differ in the treatment of the irregular component. The trend method seeks to minimize the irregular fluctuations, whereas the forecast method measures and incorporates these fluctuations into the forecast.

Two procedures are used under the forecast method: (1) the step-wise autoregressive (STEPAR) procedure and (2) the exponential smoothing (EXPO) procedure. The STEPAR procedure fits a time trend model to the series and takes the difference between each value and the estimated trend in a process called detrending. The remaining variation is fit using an autoregressive model with a backwards-stepping method to select parameters. The EXPO procedure fits a trend model across time, such that the most recent data are weighted more heavily than data in the early part of the series. When the forecasting tool is an

exponential smoothing procedure,⁵ a smoothing constant α is used to determine the extent to which past observations influence the forecast. A small α dampens out remote observations in the time series, resulting in a slow response to change in the parameters describing the average level of the time series. A large α gives a larger weight to more recent observations in the time series and results in a faster response to changes.

The Forecast Method can fit three time trend models: constant, linear, and quadratic. For the STEPAR procedure, three models are tested (i.e., STEPAR-CONSTANT, STEPAR-LINEAR, STEPAR-QUADRATIC). For each EXPO model (i.e., EXPO-CONSTANT, EXPO-LINEAR, OR EXPO-QUADRATIC), five weights or smoothing constants (0.2, 0.3, 0.4, 0.5, and 0.6) are tested. All in all, 18 scenarios are tested for each crop or animal class under the Forecast Method.

Model Selection

A set of rules is essential for choosing the appropriate projection models for both methods. Among the factors considered when choosing the models are the following: (1) using only models estimating non-zero and non-negative projections; (2) goodness of fit to the data series used, i.e., an acceptable R^2 value > 0.75 for the Trend Method and low sigma values (low standard deviation of the error term for the series) for the Forecast Method; and (3) reliability of the forecast, i.e., whether the calculated confidence intervals and/or shape of the confidence bands indicate reliable estimates.

A summary of selected models for all crop and animal classes for the Trend and Forecast Methods are shown in Tables 2 and 3, respectively.

⁵Three exponential procedures are used depending on the nature of the trend component of the time series. For a constant process, simple exponential smoothing is used. Double exponential smoothing is used for a linear trend, and triple exponential smoothing is used for a quadratic trend.

State Data Allocation to Regional and County Levels

Projections of feed grain production and livestock population based on statewide data are used because county data series were not available for certain animal classes. Statewide projections of feed grain production and livestock and poultry populations then are allocated among crop reporting districts and counties by using 10-year (1978-87) county production share averages of eight grain and animal classes. These classes have the following characteristics: (1) data for each class are available at the county level and (2) certain classes, i.e., all chickens on farm or all sheep and lambs on farm, are used as substitute classes for animal classes that have state-level data only. The relationships between actual and proxy classes are shown in Table 1.

Results

Projections for Grain Production and Livestock Population

These results are statistical projections from historical data. Kansas' annual outputs of grains and some classes of livestock are highly variable. All are subject to changing market price relationships, unpredictable weather conditions, and changes in government programs. Hence, forecasts of output in a single target year are subject to very wide variations. Forecasts are more in the nature of a centered five-year moving average. Using the five-year moving average concept, a smaller variation in trend remains.

Two methods of projection of statewide production are used here. Results differ by method in each projection target year but, not greatly in most cases. Each method projects moderate increases in feed grain balances in Kansas over the next 20 years. Figures 1 through 10 illustrate projected feed grain balances in 1990, 2000, and 2010 by crop reporting district and county. Recall that

district and county balances result from allocation of statewide projections to districts and counties on a basis of average annual share of the state total over the 10-year period, 1978 through 1987.

Table 4 compares the statewide forecasted values of all crop and animal classes for the Trend and Forecast methods. It is assumed that the previous year's grain production will be fed to livestock and poultry for this year. Therefore, grain production is projected for years 1989, 1999, 2009, whereas animal populations are projected for years 1990, 2000, and 2010.

1. Corn. Corn production shows an increasing trend under both Trend and Forecast methods but the projection levels under the Forecast method are higher, i.e., 168,000 thousand bushels for Forecast and 133,000 thousand bushels for Trend in 1989. Furthermore, the rate of annual increase 1990 to 2020 is lower under Trend than under Forecast. The 1989 projections for Forecast and Trend are 1.0 and 27.0 percent higher, respectively, than the (1980-86) annual average of 132,000 thousand bushels.

2. Grain Sorghum. Grain sorghum production also shows an increasing trend under both methods but is increasing at a decreasing rate under Forecast and is increasing at a constant rate under Trend. The 1989 projections of 255,000 and 250,000 thousand bushels, respectively, for Trend and Forecast are 16.0 and 14.0 percent higher than the (1980-86) annual average of 220,000 thousand bushels.

3. Hogs Fed. Hog projections show a constant pattern for both methods, with some random fluctuations for Forecast. Here, the best estimate of any future hog number is the mean of the series. The 1989 projections of 2,334 and 2,330 thousand head, respectively, for Trend and Forecast are 13.09 and 15.0 percent lower than the (1980-86) annual average of 2,700 thousand head.

4. Milk Cows and Milk Cow Replacements. Both populations decrease at a decreasing rate under Trend and Forecast. By the year 2010, the milk cow populations under Trend and Forecast are projected to be only 65.0 and 61.0 percent, respectively, of the 1980-87 annual average of 119 thousand head. For the same year, the milk cow replacement population for Trend and Forecast will be 94.0 and 64.0 percent, respectively, of the 1980-87 annual average of 50 thousand head.

5. Cattle on feed. Cattle on feed are projected to increase at a decreasing rate for both methods. The 1989 projections of 1,332 and 1,478 thousand head respectively for Trend and Forecast are 3.0 and 14.0 percent higher than the 1980-87 annual average of 1,300 thousand head.

6. Other Cattle. The population of other cattle is projected to increase slightly with both methods. The 2010 projections of 4,234 and 4,407 thousand head, respectively, for Trend and Forecast are 1.0 and 5.0 percent higher than the 1980-87 annual average of 4,210 thousand head.

7. All Sheep. Stock sheep, lambs on feed (native), and lambs on feed (shipped-in) are all projected to decrease under both Trend and Forecast.

8. Poultry. The hen and pullet and other chicken populations are projected to decrease under both Trend and Forecast. However, the projection levels under Trend are higher, i.e., 5,849 thousand chickens under Trend as compared to 4,196 thousand under Forecast for 1989.

Projections of Feed Grain Balances

The total supply and demand for corn and grain sorghum can be converted to corn equivalent feed units using Appendix A. From these data, the feed grain balances (in feed unit tons) for Kansas can be estimated. Historical feed grain balances over the last 12 years (1976-87) have shown Kansas to be a surplus

state (Table 5), with the exception of the 1984 feeding year when a deficit of almost two million feed unit tons was calculated. The 1984 deficit resulted largely from low 1983 grain production caused by weather and government policy (payment in kind) conditions. At the regional level, three crop reporting districts -- the West Central, Central, and Southeast Districts -- have consistently shown deficits, with the West Central District having bigger deficits. Calculated feed grain balances converted to centered 5-year averages are shown in Table 6.

The total feed grain production, total feed requirements, and total feed grain balances for selected projection years via Trend and Forecast Methods are shown in Table 7. As previously stated, these state-wide projections are allocated (on the basis of 10-year production relationships) to each county to obtain district- and county-level projections (see Appendices D to G).

Statewide projections of feed grain surplus show a steady increase under both Trend and Forecast methods. In general, crop reporting district projections also have shown these increases in feed grain surplus. Districts with high surpluses include the Northeast, Southwest, and North Central Districts. The exception has been the West Central District, for which feed deficits are projected for years 1990, 2000, and 2010. These deficits, however, show a decrease under both Trend and Forecast Methods. At the county level, the Trend Method indicates that 30 out of 105 counties will show deficits in 1990. This figure decreases to 25 and 23 by years 2000 and 2010, respectively. For the Forecast Method, the corresponding figures are 29, 26, and 25 for years 1990, 2000, and 2010, respectively. Feed grain deficits for these counties also are projected to decrease under both Trend and Forecast Methods.

The calculated historic feed grain balances from 1978 to 1987 and the projected feed grain balances for years 1990, 2000, and 2010 for the nine crop reporting districts and the state are illustrated in Figures 1-10. Figure 11 shows the location of each crop reporting district in Kansas.

Summary and Conclusions

Statewide projections of two types of grain (corn and grain sorghum) and 10 animal classes (milk cows, milk cow replacements, cattle on feed, other cattle, hogs fed, stock sheep, lambs on feed -- native, lambs on feed -- shipped-in, hens and pullets, and other chickens) were done using the Trend and Forecast methods. Estimates under each method were converted into corn equivalent feed units to obtain total feed grain production, total feed requirements, and total feed grain balances. Statewide projections of grain and livestock production were allocated among counties to determine projected county and regional feed grain balances using 10-year county production share averages for eight grain and animal classes. "Proxy" shares were used where county data were not available.

Kansas has traditionally been a surplus state and projected feed grain balances have shown a steady increase in surplus under both Trend and Forecast Methods. At the regional level, projections of feed grain balances are highest in the Northeast, the Southwest, and the North Central Districts and lowest in the West Central District. The individual counties with the highest projected feed grain surpluses are located in the Northeast, the Southwest, and the North Central Districts. Specific examples are Marshall and Brown Counties in the Northeast District, Stevens and Gray in the Southwest District, and Washington

County in the North Central District. Counties with the largest deficits are Scott and Wichita in the West Central District.

These findings have the following implications. Firstly, the direction and magnitude of the feed grain balance will give a first approximation of areas for possible livestock expansion (in the case of significant feed grain surpluses) and feed grain expansion (in the case of significant deficits). Secondly, relocation and/or expansion plans of agribusiness firms may be based on such feed grain production and consumption trends as well as knowledge of potential livestock/feed grain expansion areas. Lastly, the transportation demands of feed grain can be estimated based on the projected trends. At the statewide level, the surplus feed grain requires transportation services to areas outside Kansas. This involves movements over longer distances, possibly by rail and/or rail-truck combination. At the regional level, shipments from a surplus to a deficit District are over shorter distances, usually by commercial trucks. At the county level, local movements involve even shorter distance and smaller trucks.

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TABLE 1. THE RELATIONSHIPS BETWEEN ACTUAL AND PROXY CLASSES

1 Actual Class	2 Proxy Class
Feedgrains:	
Corn	Corn
Grain Sorghum	Grain Sorghum
Animals:	
Hogs Fed	Hogs and Pigs
Milk Cows	Milk Cows
Milk Cow Replacements	Milk Cows
Cattle on feed	Cattle on feed
Other Cattle	All Cattle
Stock Sheep	All Sheep and Lambs
Lambs on feed (native)	All Sheep and Lambs
Lambs on feed (shipped-in)	All Sheep and Lambs
Hens and Pullets	All Chickens
Other Chickens	All Chickens

¹
Statewide Data, 1945-1987.

²
County Data, 1978-1987.

TABLE 2. SUMMARY OF SELECTED REGRESSION MODELS FOR ALL CROP AND ANIMAL CLASSES, TREND METHOD

Item	Model Selected*	a	b	Power	R ²	Series Used
Corn	Power	37,463	10,015	0.8	0.9656	1947-84
Grain Sorghum	Power	5,775	12,299	0.6	0.9735	1947-84
Milk Cows	Double-log	8,484	-1.19	--	0.9989	1960-85
Milk Cow Replacement	Double-log	154.58	-0.28	--	0.9742	1948-85
Cattle on Feed	Superbolic	1,384	-992.7	--	0.7975	1972-85
Other Cattle	Superbolic	4,250	-1028.2	--	0.9512	1948-85
Hogs Fed	Superbolic	2,339	-224.16	--	0.9601	1948-85
Stock Sheep	Double-log	565.7	-0.36	--	0.9638	1960-85
LOF (native)	Double-log	480.6	-0.36	--	0.9638	1960-85
LOF (shipped-in)	Double-log	601.8	-0.64	--	0.9543	1960-85
Hens and Pullets	Double-log	18,398	-0.51	--	0.9804	1948-85
Other Chickens	Double-log	19,653	-0.49	--	0.9796	1948-85

*

Appendix C contains a brief description of the regression models.

TABLE 3. SUMMARY OF SELECTED FORECAST MODELS FOR ALL CROP AND ANIMAL CLASSES, FORECAST METHOD

Item	Procedure	Model	Weight	Sigma*	Confidence Limits
Corn	STEPAR	Linear	--	22,419	narrow and constant
Grain Sorghum	STEPAR	Quadratic	--	38,767	narrow but slowly expanding
Milk Cows	EXPO	Linear	0.6	18	narrow and constant
Milk Cow Replacement	EXPO	Linear	0.4	7	narrow but expanding
Cattle on Feed	EXPO	Quadratic	0.2	140	narrow but expanding
Other Cattle	EXPO	Linear	0.6	312	narrow but slowly expanding
Hogs Fed	STEPAR	Constant	--	217	wide and constant band
Stock Sheep	EXPO	Linear	0.3	39	narrow but slowly expanding
LOF (native)	EXPO	Linear	0.3	33	narrow but slowly expanding
LOF (shipped-in)	EXPO	Linear	0.6	129	narrow and constant
Hens and Pullets	EXPO	Linear	0.5	581	narrow but greatly expanding
Other Chickens	EXPO	Linear	0.4	672	narrow but slowly expanding

*

The standard deviation of the error term is measured in (000) bushels for corn and grain sorghum and in (000) head for each animal class.

TABLE 4. COMPARISON OF PROJECTED VALUES OF ALL CROP AND ANIMAL CLASSES, TREND AND FORECAST METHODS (in 000 bu and 000 head)

Item	TREND			FORECAST		
	1989/1990	1999/2000	2009/2010	1989/1990	1999/2000	2009/2010
Corn	133,000	146,000	158,000	168,000	192,000	222,000
Grain Sorghum	255,000	300,000	344,000	250,000	276,000	292,000
Hogs Fed	2,334	2,335	2,336	2,300	1,880	2,281
Milk Cows	142	102	78	107	90	73
Milk Cow Replacement	54	51	48	42	37	32
¹ Cattle on Feed	1,332	1,350	1,359	1,478	1,564	1,523
Other Cattle	4,226	4,231	4,234	4,335	4,371	4,407
Stock Sheep	164	149	137	158	152	145
LOF (native)	139	126	116	135	129	123
LOF (shipped-in)	67	56	49	64	64	64
Hens and Pullets	2,702	2,428	2,224	1,817	1,710	1,602
Other Chickens	3,147	2,842	2,104	2,379	2,340	2,301

TABLE 5. ESTIMATED ANNUAL FEED GRAIN BALANCES, 1976-85 (in 000 feed unit tons)

District	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Northwest	381.00	503.00	527.25	375.10	595.00	379.39	709.13	461.00	200.31	576.00	664.00	657.13
West Central	-446.00	-409.00	-186.00	-549.00	-197.00	292.00	-10.49	-240.00	-698.00	-384.44	-426.90	-296.32
Southwest	8.30	292.97	339.81	389.07	682.47	756.82	1379.51	464.14	-426.72	144.33	470.20	721.25
North Central	214.34	283.03	579.07	495.04	670.58	-35.37	493.58	425.30	69.98	438.60	859.54	1141.22
Central	-289.65	-276.59	72.92	-130.76	83.61	-386.71	-77.38	-96.24	-437.28	-203.60	352.99	524.71
South Central	66.32	142.90	472.54	164.35	351.94	228.02	471.38	484.73	149.51	177.33	804.03	1216.18
North East	416.70	527.04	688.77	943.12	1048.14	139.96	851.11	616.27	-71.99	314.22	1046.35	1209.66
East Central	148.87	219.44	642.85	449.67	704.04	-197.78	449.76	207.19	-192.60	192.01	738.57	844.46
South East	-280.01	-278.87	152.83	-168.11	141.97	-511.78	-121.03	-165.18	-314.31	-221.82	322.12	260.45
STATE	240.77	1028.37	3290.02	1968.55	4081.16	80.66	4145.56	2157.08	-1720.73	1033.11	4830.78	6278.74

TABLE 6. CENTERED FIVE-YEAR MOVING AVERAGES OF ESTIMATED ANNUAL FEED GRAIN BALANCES 1978-1985
(in 000 feed unit tons)

District	1978	1979	1980	1981	1982	1983	1984	1985
Northwest	476.20	475.92	517.19	503.88	468.92	465.10	521.99	511.59
West Central	-357.19	-326.45	-246.79	-257.56	-287.30	-324.85	-351.85	-409.02
Southwest	342.52	492.23	709.54	734.40	571.24	463.62	406.30	274.64
North Central	448.41	398.47	440.58	409.83	324.81	278.42	457.40	586.93
Central	-108.09	-127.51	-87.66	-121.50	-182.80	-240.18	-92.24	28.17
South Central	239.61	271.95	337.65	340.08	337.12	302.19	417.40	566.36
Northeast	724.75	669.41	734.22	719.72	516.70	369.95	551.23	622.94
East Central	432.97	363.64	409.71	322.58	194.12	91.72	278.99	357.93
Southeast	-86.44	-132.79	-101.22	-164.83	-194.07	-266.82	-100.04	-23.75
STATE	2121.77	2089.75	2713.19	2486.60	1748.75	1139.14	2089.16	2515.80

TABLE 7. TOTAL FEED GRAIN (FG) PRODUCTION, TOTAL FEED GRAIN REQUIREMENTS, AND TOTAL FEED GRAIN BALANCES FOR PROJECTED YEARS, TREND, AND FORECAST METHODS (in 000 feed unit tons)

Item	TREND			FORECAST		
	1989/1990	1999/2000	2009/2010	1989/1990	1999/2000	2009/2010
Corn	3,724	4,088	4,424	4,704	5,376	6,216
Grain Sorghum	7,140	8,400	9,632	7,000	7,728	8,176
Total FG Production	10,864	12,488	14,056	11,704	13,104	14,392
Hogs Fed	1,704	1,705	1,705	1,679	1,372	1,665
Milk Cows	371	266	204	279	235	190
Milk Cow Replacement	27	25	24	21	18	16
Cattle on Feed	4,619	4,681	4,712	5,125	5,423	5,281
Other Cattle	387	387	387	397	400	403
Stock Sheep	6	5	5	6	6	5
LOF (native)	17	16	14	17	16	15
LOF (shipped-in)	7	6	5	7	7	7
Hens and Pullets	149	134	122	100	94	88
Other Chickens	86	78	58	65	64	63
Total FG Requirements	7,373	7,303	7,236	7,696	7,635	7,733
FG Balance	3,491	5,185	6,820	4,008	5,469	6,659

Figure 1. Feed Grain Balances for Northwest Kansas
(in million FUTs)

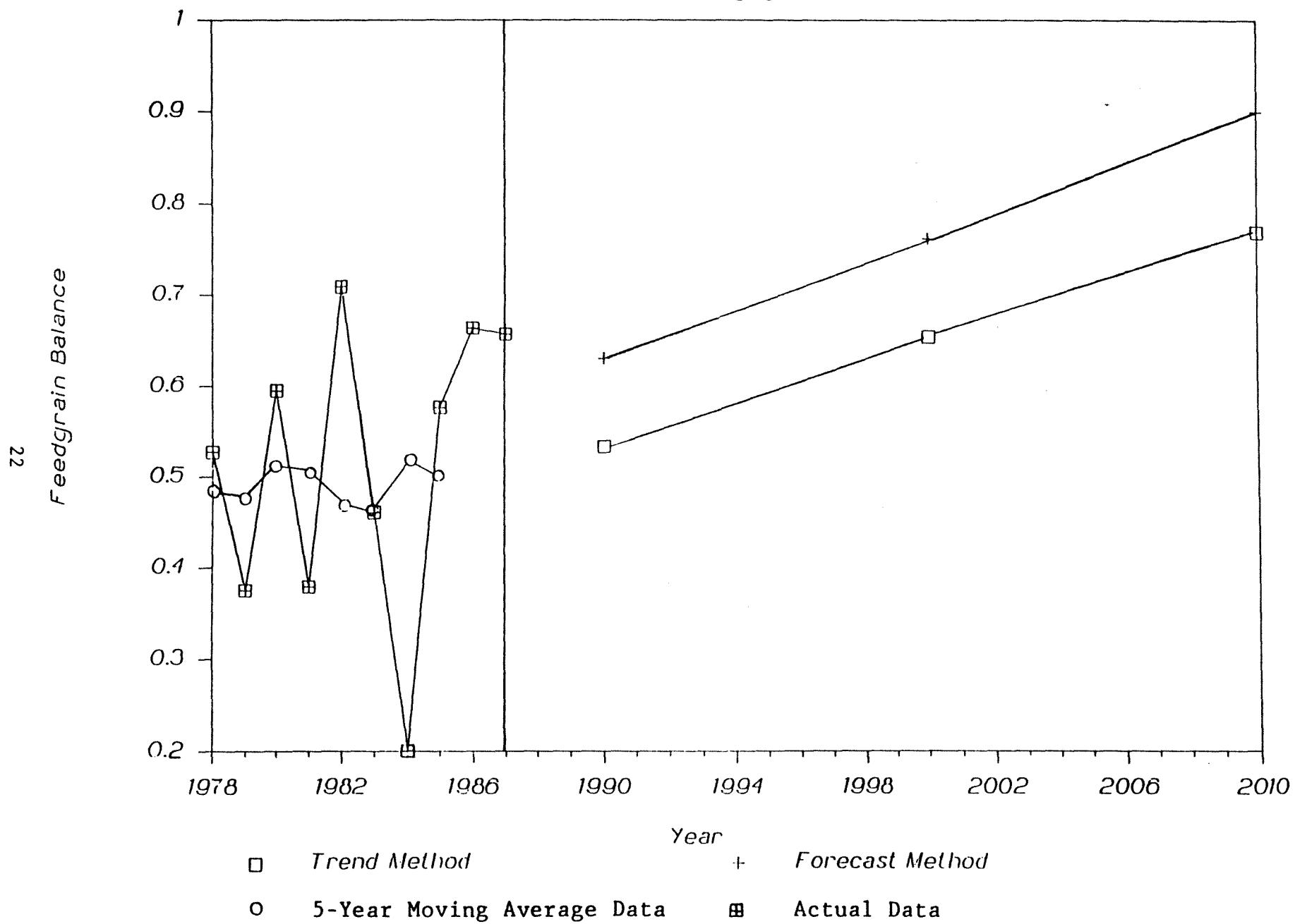


Figure 2. Feed Grain Balances for West Central Kansas
(in million FUTs)

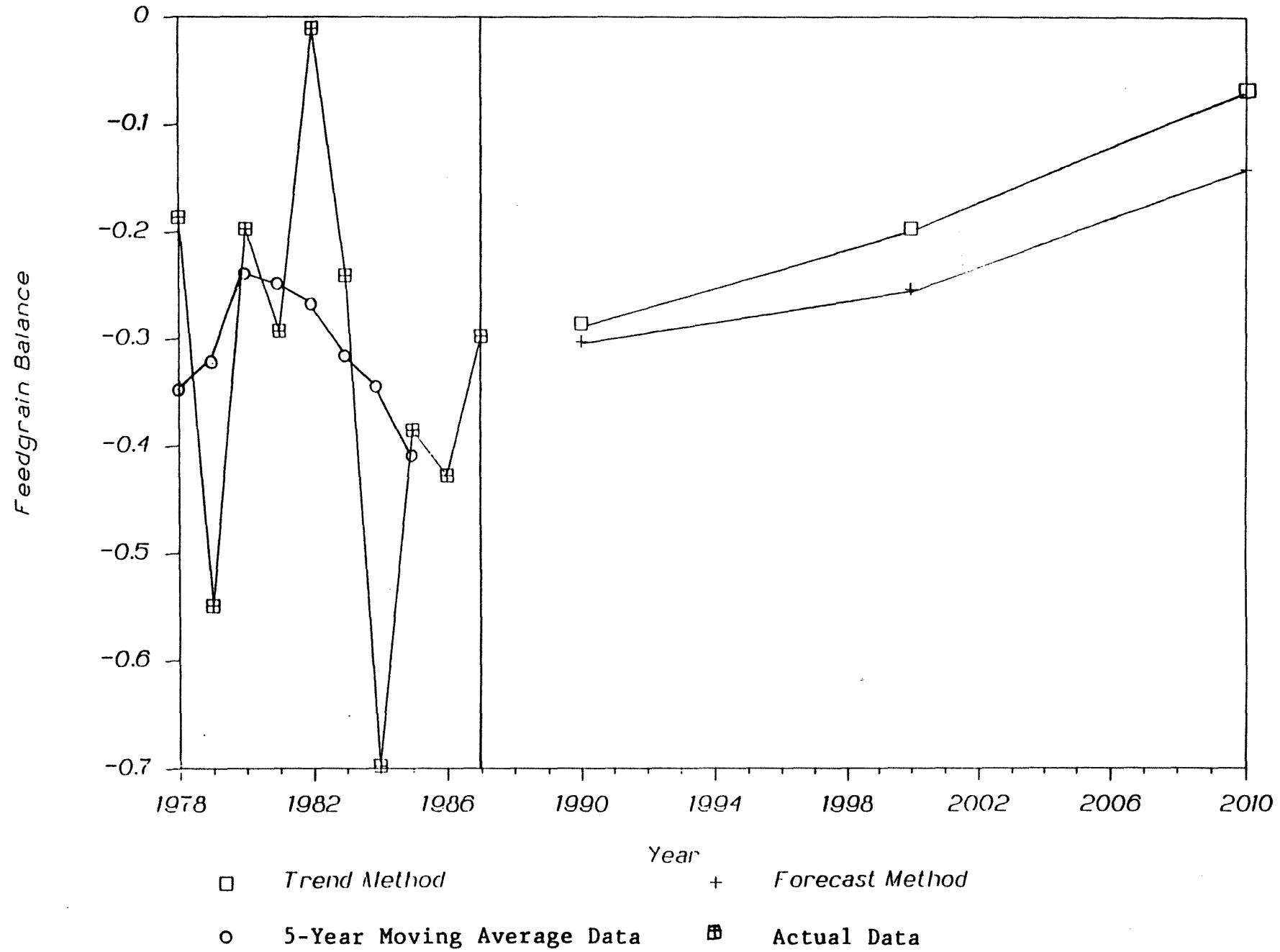


Figure 3. Feed Grain Balances for Southwest Kansas
(in million FUTs)

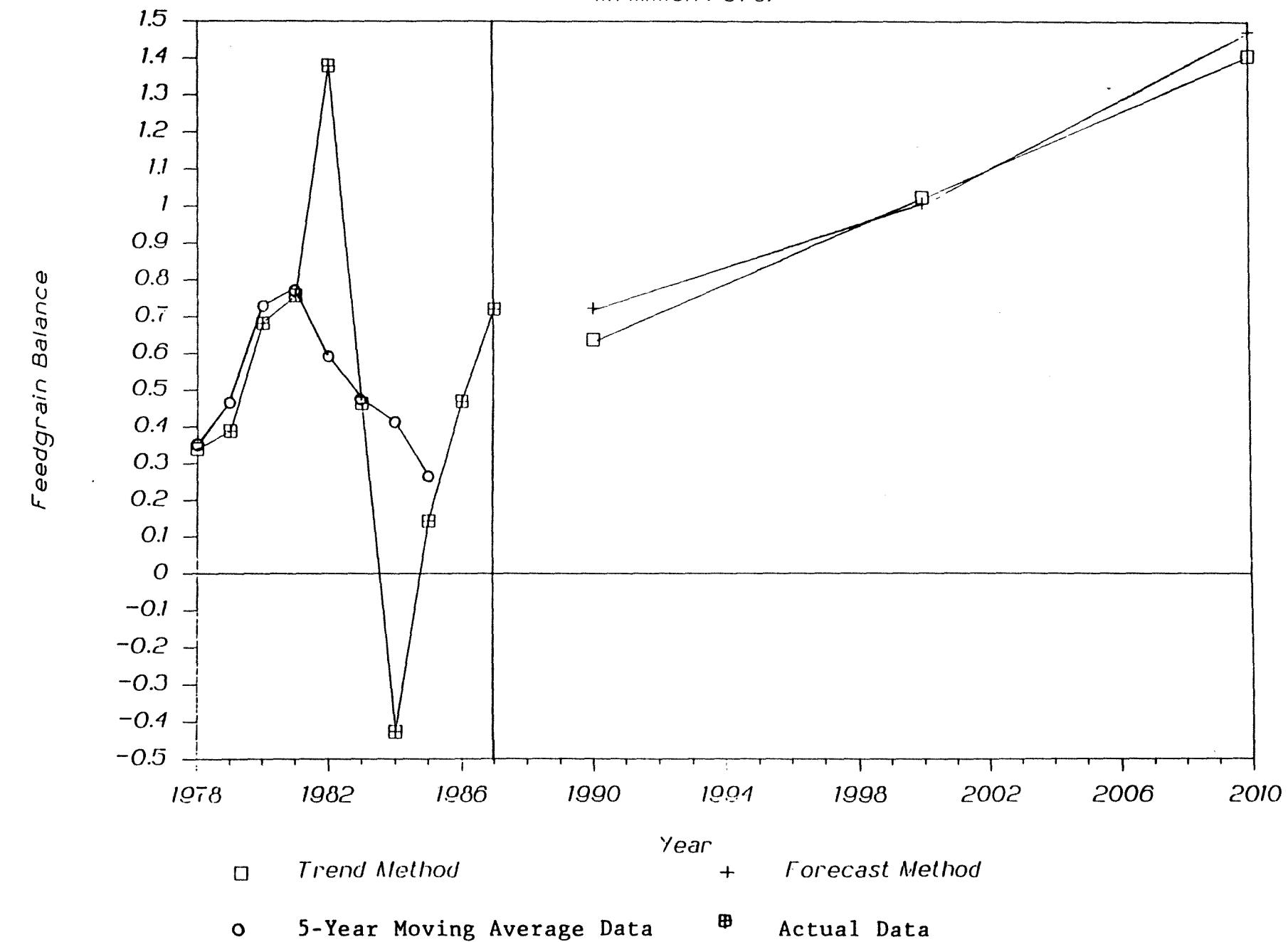


Figure 4. Feed Grain Balances for North Central Kansas
(in million FUTs)

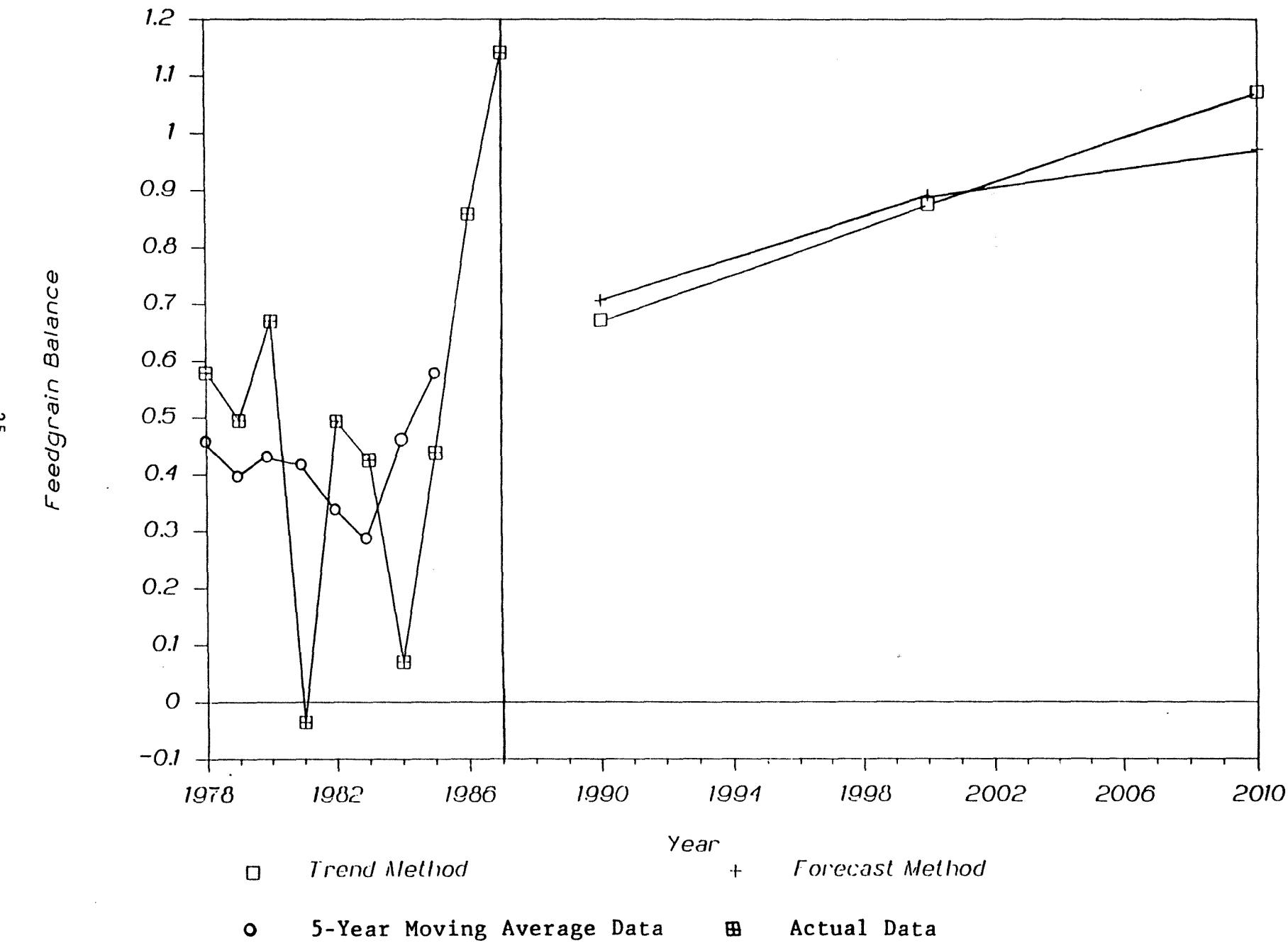


Figure 5. Feed Grain Balances for Central Kansas
(in million FUTs)

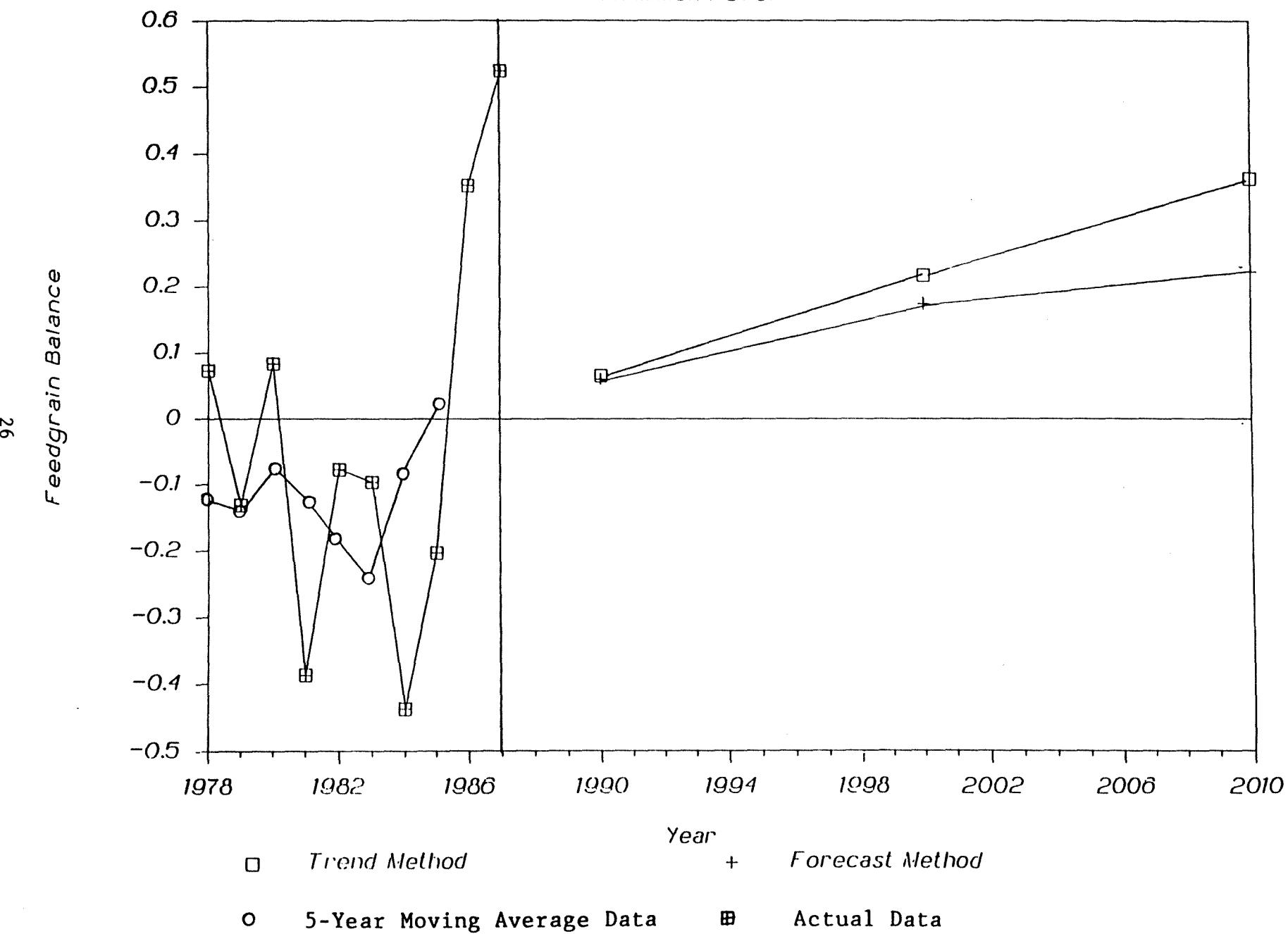


Figure 6. Feed Grain Balances for South Central Kansas
(in million FUTs)

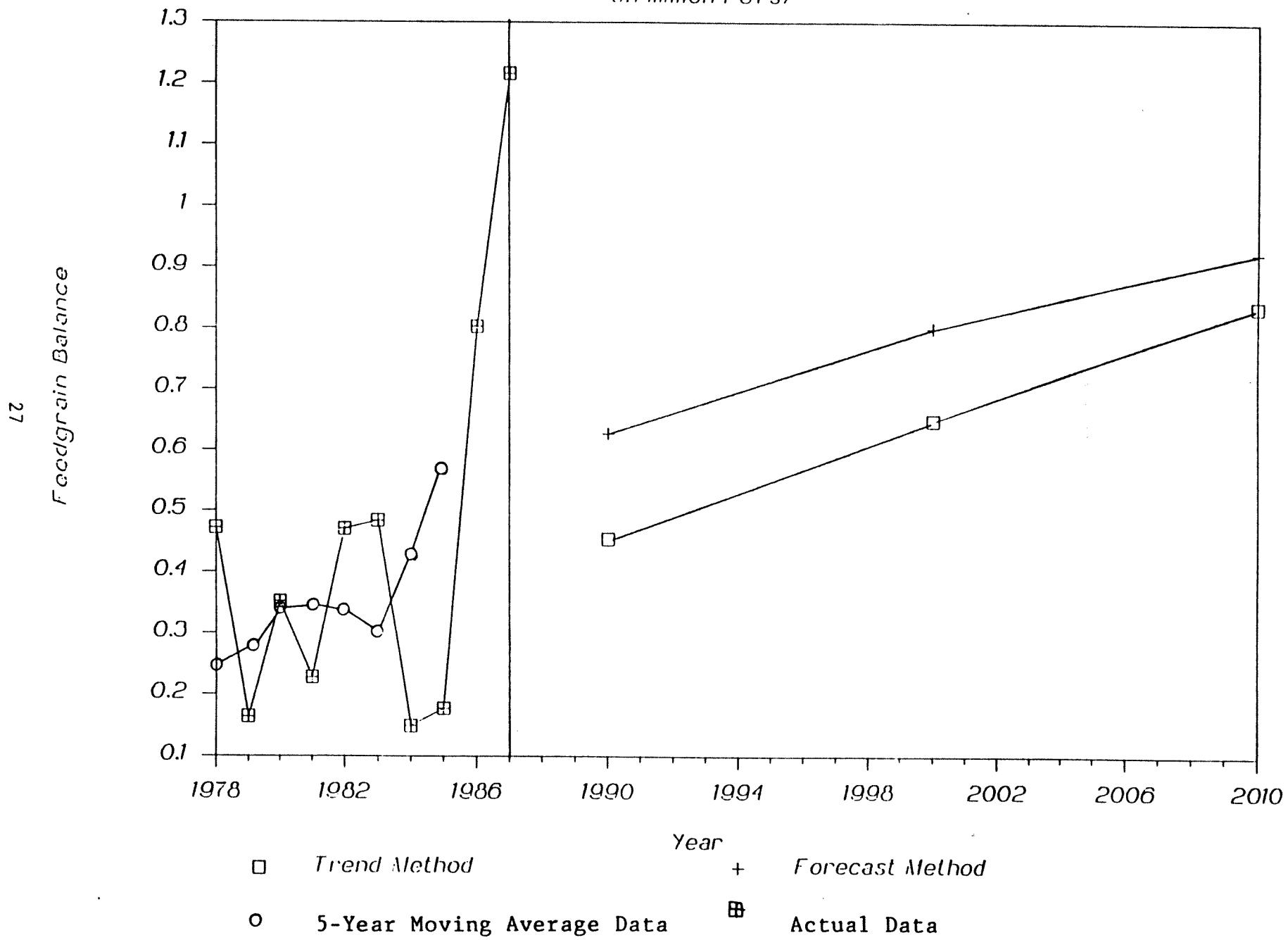


Figure 7. Feed Grain Balances for Northeast Kansas
(in million FUTs)

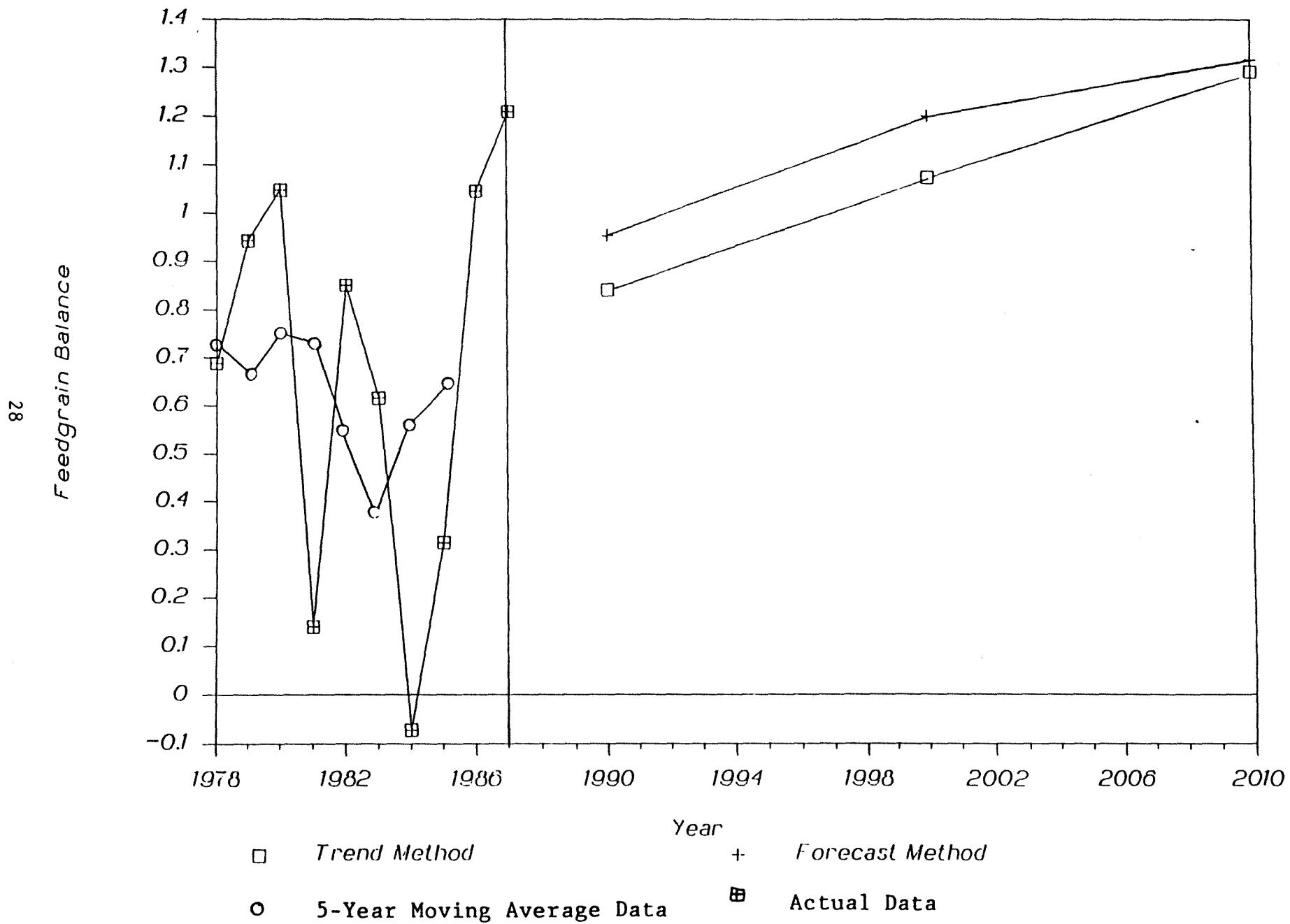


Figure 8. Feed Grain Balances for East Central Kansas
(in million FUTs)

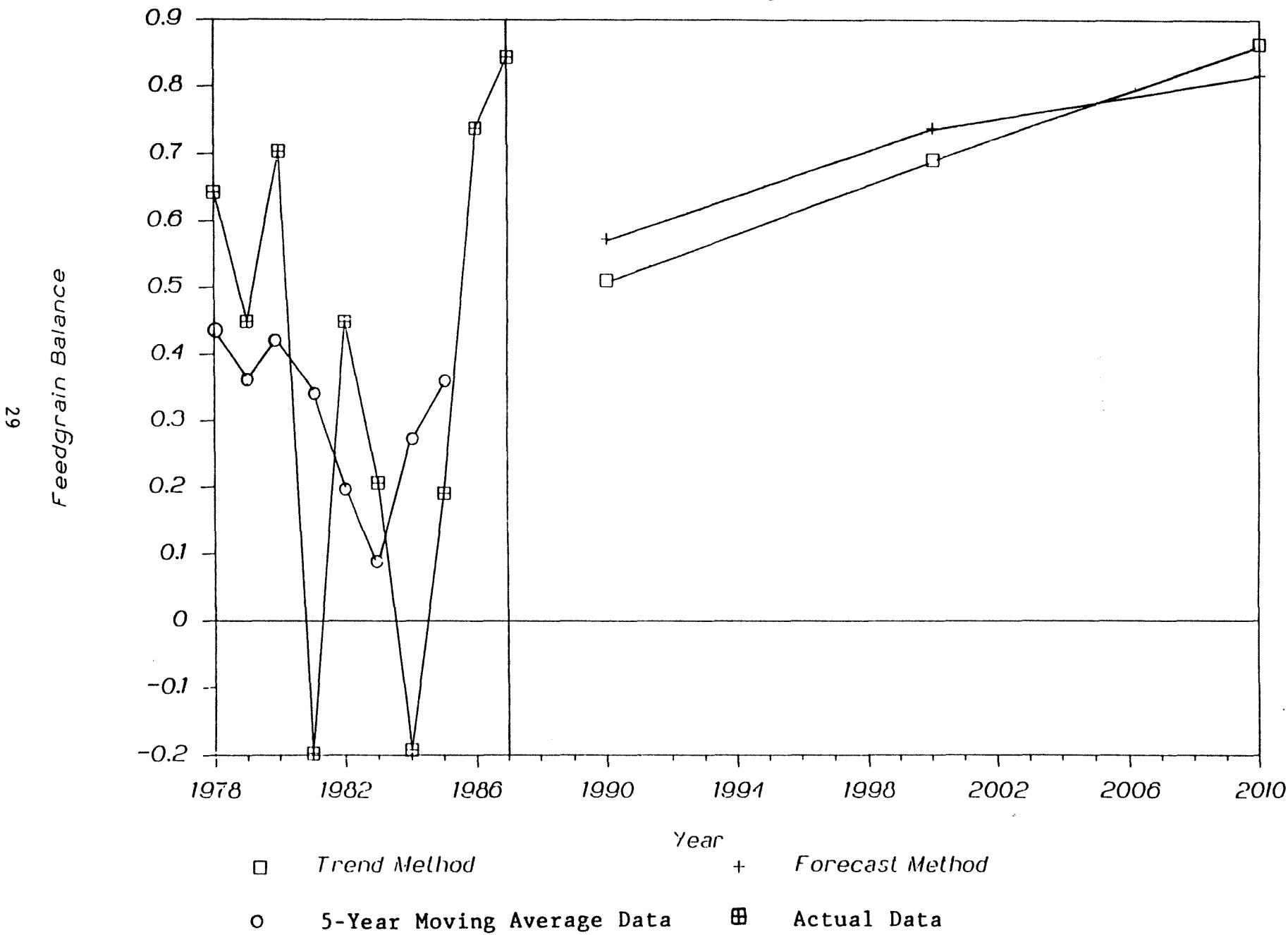


Figure 9. Feed Grain Balances for Southeast Kansas
(in million FUTs)

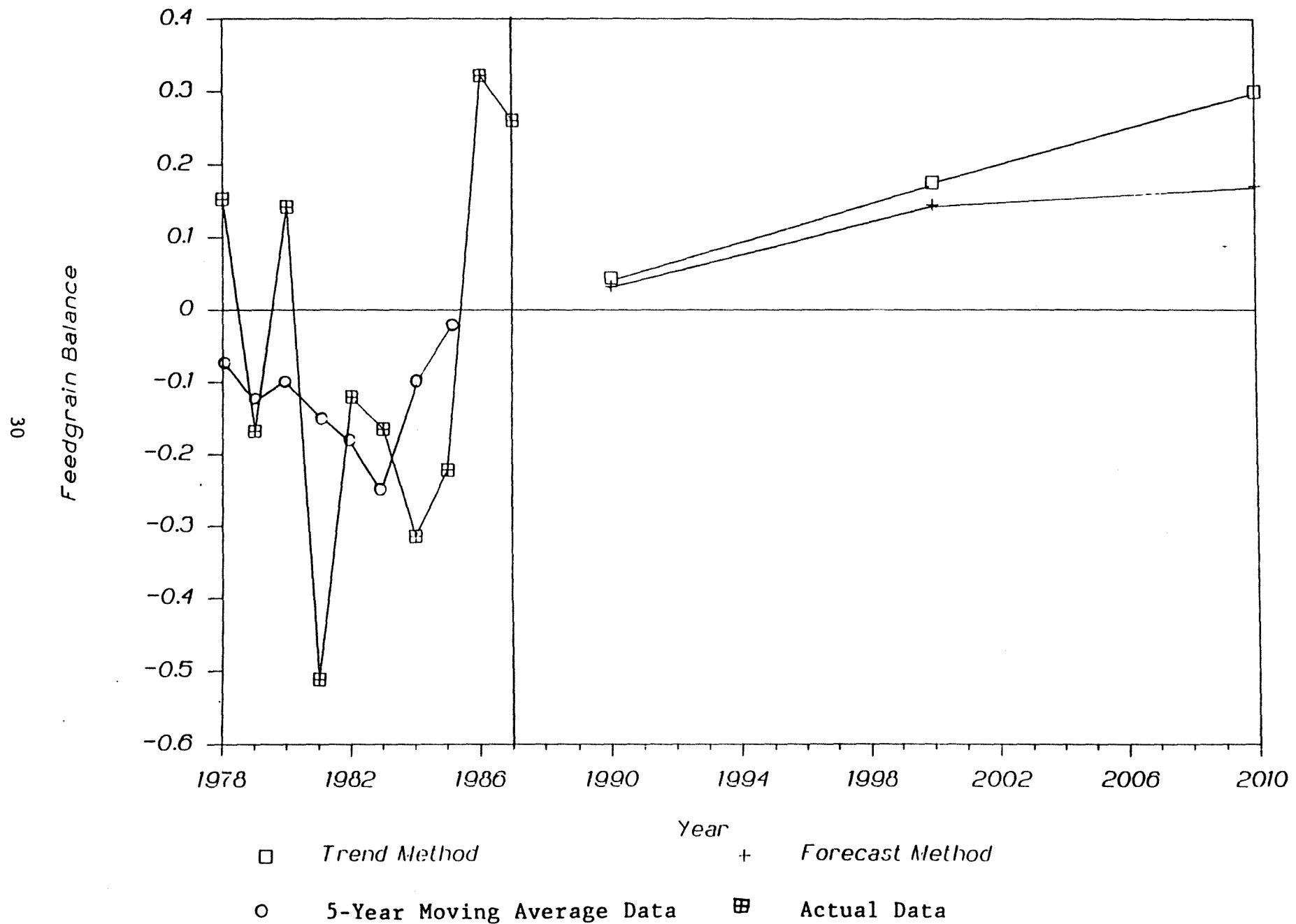
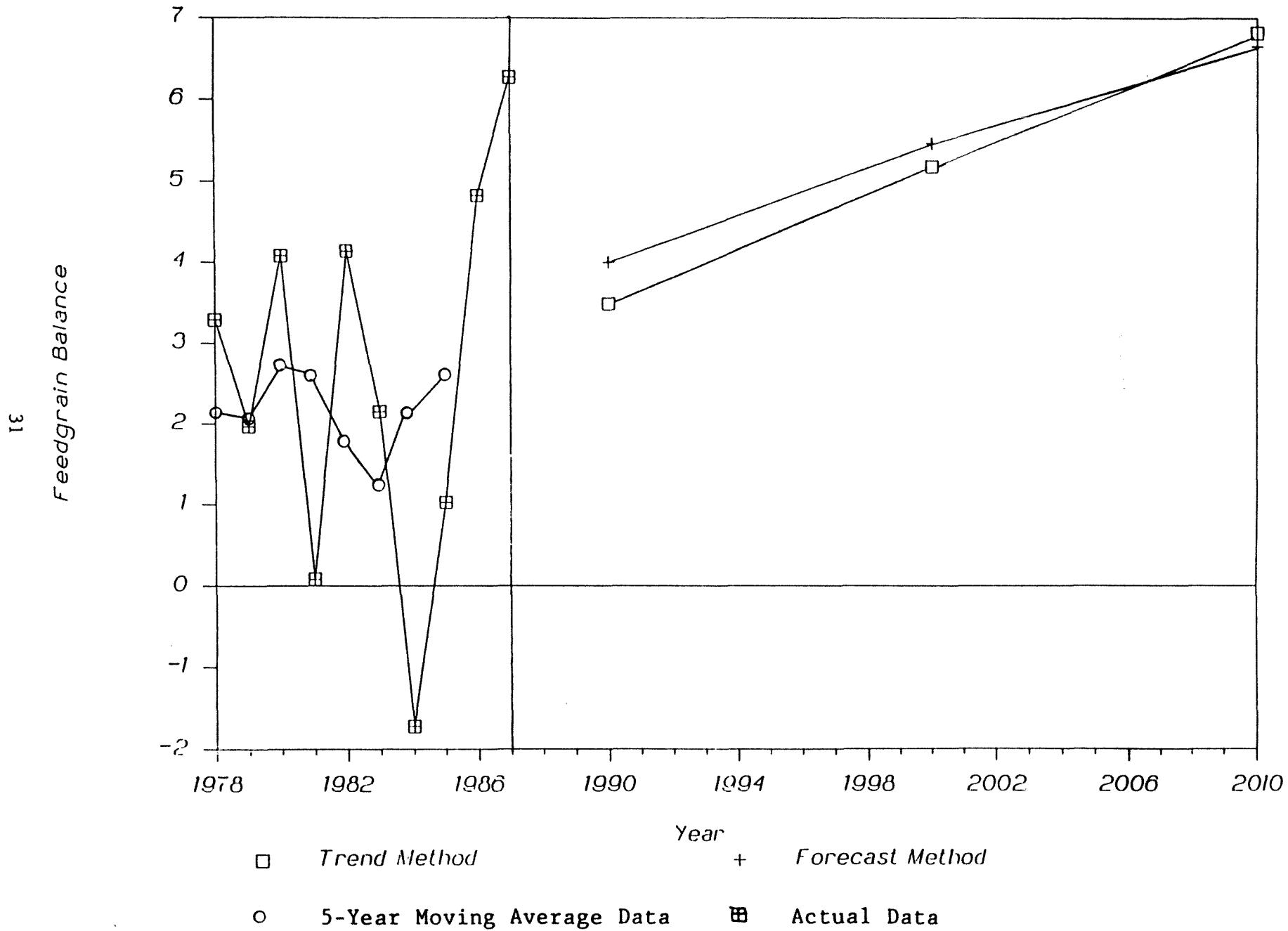


Figure 10. Feed Grain Balances for Kansas
(in million FUTs)



Appendix A
Definition of Livestock and Poultry Classes

1. Milk Cows: Milk cows on farms that have calved, Jan. 1.
2. Milk Cow Replacements: Heifers 500 pounds and over kept for milk cow replacements, Jan. 1.
3. Cattle on Feed: Cattle and calves on feed, Jan. 1.
4. Other Cattle: All cattle on farms other than categories 1, 2, and 3.
5. Hogs Fed: Calculated based on the pig crops (spring and fall) for the current and previous years, Dec. 1. The formula is as follows:

$$\# \text{ Hogs Fed} = FC_{t-1} + 0.24SC_{t-1} + 0.76SC_t \\ \text{during feeding year}$$

where: FC_{t-1} = fall pig crop the previous year
 SC_{t-1} = spring pig crop the previous year; and
 SC_t = spring pig crop the current year.

6. Stock sheep: Stock sheep on farm, Jan. 1.
7. Lambs on feed (native): Lambs on feed born in Kansas estimated at 85 percent of the stock sheep.
8. Lambs on feed (shipped-in): Lambs on feed not born in Kansas, Jan. 1.
9. Hens and Pullets: All hens and pullets on farm of laying age, Jan. 1.
10. Other chickens: All chickens on farm other than category 9.

Appendix B
Conversion Ratios of Crops and Annual Animal Rations
of Livestock and Poultry

I. Feed Grains:

Production projections for feed grains are reported in bushels. It is necessary to convert bushels into feed unit pounds. The official weights per bushel of corn and grain sorghum are as follows:

Corn -- 56 pounds
Grain Sorghum -- 56 pounds

The feeding value based on total digestible nutrients (TDN) is used as the yardstick for estimating conversion ratios. The estimated conversion factors and ratios are:

	Conversion Factor (percentage of TDN)	Conversion Ratio (Feed Unit Pound/bu)
Corn	100%	56.0
Grain Sorghum	95%	53.2

II. Animal Rations:

Estimation of rates of grain consumption by various classes of livestock were developed with the assistance of faculty of the Department of Animal Sciences and Industry at Kansas State University. However, the authors bear full responsibility for the consumption rates reported below. Feed consumption per day per head was multiplied by 365 days to get the annual feed requirement per head. The annual grain requirements in feed unit pounds for all animal classes are:

	Annual Grain Requirements (feed unit pound/head/year)
Milk Cows	5220
Milk Cow Replacement	986
Cattle on feed	6935
Other Cattle	183
Hogs and Pigs	1460
Stock Sheep	73
Lambs on feed (native)	250
Lambs on feed (shipped-in)	219
Hens and Pullets	110
Other Chickens	55

Appendix C
Description of Regression Models, Trend Method

1. Power Model

$$TP = a + bT^c$$

2. Superbolic Model

$$TP = a + b(1/T)$$

3. Double-logarithmic Model

$$TP = aT^b \text{ or } \log(TP) = \log a + b \log T$$

where: TP = total production (000 bu);
T = index of time variable, i.e. 1947 = 1
a, b = estimated coefficients
c = (0.6, 0.8, 1.0, and 1.2) power for the exponential
model; and
log = natural logarithmic function

Appendix D
Crop and Animal Projections by County, Trend Method,
Years 1989/90, 1999/2000, and 2009/2010

Corn Projections (Trend Method) by County for Years 1989, 1999 & 2009.

Crop Reporting District	Projections (000 bu)			Projections (000 FUT)		
	1989	1999	2009	1989	1999	2009
Northwest District						
Cheyenne	2003	2199	2380	56.09	61.57	66.63
Decatur	1040	1142	1236	29.13	31.98	34.61
Graham	428	470	508	11.98	13.15	14.23
Norton	529	581	629	14.81	16.26	17.60
Rawlins	621	682	738	17.40	19.10	20.67
Sheridan	4017	4409	4772	112.46	123.46	133.60
Sherman	4943	5426	5872	138.40	151.93	164.42
Thomas	5393	5920	6407	151.01	165.77	179.39
District Total	18974	20829	22541	531.28	583.21	631.15
West Central District						
Gove	435	477	517	12.18	13.37	14.47
Greeley	1304	1432	1549	36.52	40.09	43.38
Lane	335	368	399	9.39	10.31	11.16
Logan	674	740	801	18.88	20.72	22.43
Ness	38	42	45	1.07	1.17	1.27
Scott	1966	2158	2335	55.05	60.43	65.39
Trego	106	116	125	2.95	3.24	3.51
Wallace	3251	3569	3862	91.04	99.93	108.15
Wichita	3155	3464	3748	88.34	96.98	104.95
District Total	11265	12366	13382	315.41	346.24	374.70
Southwest District						
Clark	31	34	37	0.87	0.96	1.04
Finney	8195	8996	9735	229.45	251.88	272.58
Ford	3864	4242	4590	108.20	118.77	128.53
Grant	4268	4685	5070	119.50	131.18	141.96
Gray	8225	9029	9771	230.30	252.81	273.58
Hamilton	587	644	697	16.43	18.04	19.52
Haskell	10932	12001	12987	306.10	336.02	363.64
Hodgeman	282	310	335	7.90	8.68	9.39
Kearny	2918	3203	3467	81.71	89.70	97.07
Meade	2588	2841	3074	72.46	79.54	86.08
Morton	438	481	521	12.27	13.47	14.58
Seward	1595	1751	1895	44.67	49.04	53.07
Stanton	4540	4983	5393	127.11	139.53	151.00
Stevens	2244	2463	2666	62.84	68.98	74.65
District Total	50708	55664	60239	1419.81	1558.59	1686.69
North Central District						
Clay	1102	1210	1309	30.85	33.87	36.65
Cloud	783	859	930	21.92	24.06	26.04
Jewell	789	866	937	22.09	24.25	26.24
Mitchell	202	221	240	5.65	6.20	6.71
Osborne	176	194	210	4.94	5.42	5.87
Otawa	144	158	171	4.03	4.42	4.78
Phillips	436	479	518	12.21	13.40	14.50
Republic	4153	4559	4933	116.28	127.65	138.14
Rooks	128	141	152	3.59	3.94	4.27
Smith	313	344	372	8.77	9.63	10.42
Washington	991	1088	1177	27.75	30.46	32.97
District Total	9217	10118	10949	258.07	283.29	306.58
Central District						
Barton	1150	1262	1366	32.20	35.34	38.25
Dickinson	190	209	226	5.32	5.84	6.33
Ellis	95	104	113	2.66	2.92	3.16
Ellsworth	27	30	32	0.75	0.83	0.89
Lincoln	27	29	32	0.75	0.82	0.89
McPherson	950	1043	1128	26.59	29.19	31.59
Marion	179	197	213	5.02	5.52	5.97
Rice	755	828	897	21.13	23.20	25.10
Rush	112	123	133	3.14	3.45	3.73
Russell	11	12	13	0.30	0.33	0.35
Saline	119	130	141	3.33	3.65	3.95
District Total	3614	3967	4294	101.20	111.09	120.22
South Central District						
Barber	52	57	62	1.45	1.59	1.72
Comanche	35	38	41	0.97	1.07	1.16
Edwards	0	0	0	0.00	0.00	0.00
Harper	20	21	23	0.55	0.60	0.65
Harvey	701	769	833	19.63	21.54	23.31
Kingman	212	233	252	5.94	6.52	7.06
Kiowa	1035	1136	1230	28.98	31.81	34.43
Pawnee	854	937	1014	23.91	26.25	28.40
Pratt	2313	2539	2747	64.76	71.09	76.93
Reno	450	494	535	12.60	13.83	14.97
Sedgwick	1465	1608	1740	41.02	45.02	48.73
Stafford	2330	2558	2768	65.25	71.62	77.51
Sumner	80	88	95	2.25	2.47	2.67
District Total	9546	10479	11341	267.30	293.42	317.54

Corn Projections (Trend Method) by County for Years 1989, 1999 & 2009.

Crop Reporting District	Projections (000 bu)			Projections (000 FUT)		
	1989	1999	2009	1989	1999	2009
Northeast District						
Atchison	1227	1347	1457	34.35	37.71	40.81
Brown	3857	4235	4583	108.01	118.57	128.31
Doniphan	4962	5447	5895	138.94	152.52	165.06
Jackson	781	858	928	21.88	24.02	25.99
Jefferson	1704	1870	2024	47.70	52.36	56.67
Leavenworth	1091	1197	1296	30.54	33.52	36.28
Marshall	489	536	580	13.68	15.02	16.25
Nemaha	932	1023	1107	26.10	28.65	31.00
Pottawatomie	1285	1411	1527	35.99	39.51	42.76
Riley	364	399	432	10.18	11.18	12.09
Wyandotte	447	491	531	12.52	13.75	14.88
District Total	17139	18814	20361	479.89	526.80	570.10
East Central District						
Anderson	937	1029	1113	26.24	28.81	31.18
Chase	124	136	148	3.48	3.82	4.14
Coffey	461	506	548	12.91	14.18	15.34
Douglas	1090	1196	1295	30.52	33.50	36.25
Franklin	970	1065	1152	27.16	29.81	32.26
Geary	102	112	121	2.85	3.13	3.39
Johnson	731	802	868	20.46	22.46	24.31
Linn	324	355	385	9.07	9.95	10.77
Lyon	508	558	604	14.22	15.61	16.90
Miami	803	881	954	22.48	24.67	26.70
Morris	166	182	197	4.64	5.09	5.51
Osage	332	365	395	9.31	10.22	11.06
Shawnee	2285	2508	2714	63.97	70.22	75.99
Wabaunsee	519	569	616	14.52	15.94	17.25
District Total	9351	10265	11109	261.83	287.43	311.05
Southeast District						
Allen	310	340	368	8.68	9.53	10.31
Bourbon	361	396	429	10.11	11.09	12.01
Butler	151	166	180	4.24	4.65	5.04
Chautauqua	61	67	73	1.72	1.89	2.04
Cherokee	213	233	252	5.95	6.53	7.07
Cowley	15	17	18	0.43	0.47	0.51
Crawford	395	433	469	11.05	12.13	13.13
Elk	22	25	27	0.63	0.69	0.75
Greenwood	85	93	101	2.37	2.60	2.82
Labette	214	235	254	5.99	6.57	7.11
Montgomery	314	345	373	8.79	9.65	10.44
Neosho	231	253	274	6.47	7.10	7.68
Wilson	150	164	178	4.19	4.60	4.98
Woodson	89	98	106	2.50	2.75	2.97
District Total	2611	2866	3102	73.11	80.25	86.85
State Total	133000	146000	158000	3724.00	4088.00	4424.00

Grain Sorghum Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 bu)			Projections (000 FMT)		
	1989	1999	2009	1989	1999	2009
Northwest District						
Cheyenne	813	957	1097	22.77	26.79	30.72
Decatur	2089	2457	2818	58.49	68.81	78.90
Graham	1211	1425	1634	33.91	39.90	45.75
Norton	1602	1885	2161	44.86	52.78	60.52
Rawlins	1984	2334	2676	55.55	65.35	74.93
Sheridan	2435	2864	3284	68.17	80.20	91.96
Sherman	764	898	1030	21.38	25.15	28.84
Thomas	2675	3147	3609	74.90	88.12	101.04
District Total	13572	15967	18309	380.02	447.09	512.66
West Central District						
Gove	1948	2292	2628	54.55	64.18	73.59
Greeley	1055	1242	1424	29.55	34.77	39.87
Lane	1349	1587	1820	37.78	44.45	50.97
Logan	1076	1265	1451	30.12	35.43	40.63
Ness	1238	1457	1671	34.67	40.79	46.78
Scott	2377	2796	3206	66.55	78.29	89.77
Trego	1218	1433	1643	34.11	40.13	46.02
Wallace	870	1024	1174	24.36	28.66	32.86
Wichita	2422	2849	3267	67.80	79.77	91.47
District Total	13554	15945	18284	379.50	446.47	511.95
Southwest District						
Clark	374	440	505	10.47	12.32	14.13
Finney	5157	6067	6957	144.40	169.89	194.80
Ford	4001	4707	5398	112.03	131.81	151.14
Grant	4758	5597	6418	133.22	156.73	179.71
Gray	4653	5474	6276	130.27	153.26	175.74
Hamilton	1261	1483	1701	35.30	41.53	47.63
Haskell	4289	5046	5787	120.10	141.30	162.02
Hodgeman	1412	1661	1905	39.54	46.52	53.34
Kearny	1696	1995	2287	47.48	55.86	64.05
Meade	5539	6516	7472	155.08	182.45	209.21
Morton	4586	5395	6187	128.41	151.07	173.22
Seward	4749	5587	6406	132.96	156.43	179.37
Stanton	3526	4148	4756	98.72	116.14	133.18
Stevens	9553	11239	12888	267.50	314.70	360.86
District Total	55553	65357	74943	1555.50	1830.00	2098.40
North Central District						
Clay	2652	3120	3577	74.25	87.35	100.16
Cloud	2664	3134	3593	74.58	87.74	100.61
Jewell	4483	5274	6047	125.51	147.66	169.32
Mitchell	2768	3256	3734	77.49	91.17	104.54
Osborne	1693	1992	2284	47.40	55.77	63.94
Ottawa	900	1059	1214	25.21	29.65	34.00
Phillips	1653	1945	2230	46.29	54.46	62.44
Republic	4642	5462	6263	129.99	152.93	175.36
Rooks	1132	1332	1527	31.69	37.29	42.76
Smith	4274	5029	5766	119.68	140.80	161.45
Washington	7504	8828	10123	210.10	247.18	283.43
District Total	34364	40428	46358	962.19	1131.99	1298.02
Central District						
Barton	3144	3699	4242	88.04	103.57	118.76
Dickinson	3061	3602	4130	85.72	100.84	115.63
Ellis	877	1032	1184	24.56	28.90	33.14
Ellsworth	1103	1297	1488	30.88	36.33	41.65
Lincoln	1335	1571	1802	37.39	43.99	50.44
McPherson	3878	4562	5231	108.57	127.73	146.47
Marion	4552	5356	6141	127.47	149.96	171.96
Rice	4161	4896	5614	116.52	137.08	157.19
Rush	1483	1745	2000	41.52	48.85	56.01
Russell	987	1162	1332	27.64	32.52	37.29
Saline	1223	1439	1650	34.24	40.28	46.19
District Total	25806	30360	34812	722.56	850.07	974.75
South Central District						
Barber	339	399	458	9.51	11.18	12.82
Comanche	461	543	622	12.92	15.20	17.43
Edwards	0	0	0	0.00	0.00	0.00
Harper	320	377	432	8.96	10.55	12.09
Harvey	3728	4386	5029	104.38	122.80	140.81
Kingman	1075	1265	1450	30.11	35.42	40.61
Kiowa	2082	2450	2809	58.31	68.59	78.66
Pawnee	3643	4286	4914	102.00	120.00	137.60
Pratt	2958	3481	3991	82.84	97.45	111.75
Reno	5747	6761	7752	160.91	189.30	217.07
Sedgwick	3936	4631	5310	110.21	129.66	148.67
Stafford	3916	4607	5282	109.64	128.99	147.91
Sumner	1448	1704	1954	40.55	47.70	54.70
District Total	29654	34887	40004	830.32	976.84	1120.11

Grain Sorghum Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 bu)			Projections (000 PUM)		
	1989	1999	2009	1989	1999	2009
Northeast District						
Atchison	2925	3442	3946	81.91	96.37	110.50
Brown	3770	4436	5086	105.57	124.20	142.41
Doniphan	1106	1301	1492	30.96	36.43	41.77
Jackson	2325	2736	3137	65.11	76.60	87.83
Jefferson	2217	2608	2991	62.08	73.03	83.74
Leavenworth	1619	1905	2184	45.34	53.34	61.16
Marshall	7161	8425	9660	200.51	235.89	270.49
Nemaha	6721	7908	9067	188.20	221.41	253.89
Pottawatomie	2873	3380	3876	80.45	94.64	108.52
Riley	2014	2369	2716	56.38	66.33	76.06
Wyandotte	108	126	145	3.01	3.54	4.06
District Total	32840	38635	44301	919.51	1081.78	1240.44
East Central District						
Anderson	1717	2020	2316	48.08	56.56	64.86
Chase	713	839	961	19.96	23.48	26.92
Coffey	1966	2313	2652	55.05	64.76	74.26
Douglas	2025	2382	2731	56.69	66.69	76.47
Franklin	1934	2275	2609	54.15	63.70	73.05
Geary	864	1016	1165	24.19	28.45	32.63
Johnson	1188	1398	1603	33.28	39.15	44.89
Linn	1875	2206	2530	52.51	61.77	70.83
Lyon	2983	3509	4024	83.51	98.25	112.66
Miami	2206	2595	2976	61.76	72.66	83.32
Morris	2139	2516	2885	59.88	70.45	80.79
Osage	3585	4218	4837	100.39	118.10	135.43
Shawnee	2033	2392	2743	56.93	66.97	76.79
Wabaunsee	1893	2227	2553	53.00	62.35	71.50
District Total	27120	31906	36585	759.36	893.37	1024.39
Southeast District						
Allen	1610	1894	2172	45.08	53.04	60.82
Bourbon	1454	1711	1961	40.71	47.90	54.92
Butler	4719	5552	6366	132.13	155.45	178.25
Chautauqua	253	297	341	7.07	8.32	9.54
Cherokee	1334	1570	1800	37.36	43.96	50.40
Cowley	1737	2044	2344	48.64	57.23	65.62
Crawford	2368	2786	3195	66.32	78.02	89.46
Elk	401	472	541	11.23	13.22	15.15
Greenwood	823	969	1111	23.06	27.13	31.11
Labette	1494	1758	2016	41.85	49.23	56.45
Montgomery	1423	1675	1920	39.86	46.89	53.77
Neosho	1746	2054	2355	48.89	57.52	65.95
Wilson	1824	2145	2460	51.06	60.07	68.88
Woodson	1349	1587	1820	37.78	44.45	50.97
District Total	22537	26514	30403	631.04	742.40	851.29 ^a
State Total	255000	300000	344000	7140.00	8400.00	9632.00

Hog Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PFT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	2.60	2.60	2.60	1.89	1.90	1.90
Decatur	11.43	11.43	11.44	8.34	8.35	8.35
Graham	18.15	18.16	18.17	13.25	13.26	13.26
Norton	6.47	6.47	6.48	4.72	4.73	4.73
Rawlins	17.10	17.10	17.11	12.48	12.49	12.49
Sheridan	12.48	12.48	12.49	9.11	9.11	9.12
Sherman	20.00	20.01	20.02	14.60	14.61	14.61
Thomas	8.25	8.25	8.25	6.02	6.02	6.02
District Total	96.47	96.51	96.55	70.42	70.45	70.48
West Central District						
Gove	12.60	12.61	12.61	9.20	9.20	9.21
Greeley	11.68	11.69	11.69	8.53	8.53	8.54
Lane	4.21	4.22	4.22	3.08	3.08	3.08
Logan	4.75	4.75	4.75	3.47	3.47	3.47
Neas	4.03	4.03	4.03	2.94	2.94	2.95
Scott	4.09	4.09	4.10	2.99	2.99	2.99
Trego	22.70	22.71	22.72	16.57	16.58	16.59
Wallace	5.20	5.21	5.21	3.80	3.80	3.80
Wichita	3.69	3.69	3.69	2.69	2.69	2.70
District Total	72.96	73.00	73.03	53.26	53.29	53.31
Southwest District						
Clark	6.09	6.10	6.10	4.45	4.45	4.45
Finney	1.71	1.71	1.71	1.24	1.25	1.25
Ford	6.44	6.44	6.44	4.70	4.70	4.70
Grant	21.36	21.37	21.38	15.59	15.60	15.61
Gray	7.14	7.15	7.15	5.22	5.22	5.22
Hamilton	7.66	7.66	7.67	5.59	5.59	5.60
Haskell	3.03	3.04	3.04	2.22	2.22	2.22
Hodgenman	8.77	8.77	8.78	6.40	6.41	6.41
Kearny	3.43	3.43	3.43	2.50	2.50	2.50
Meade	4.20	4.20	4.20	3.06	3.07	3.07
Morton	12.85	12.86	12.87	9.38	9.39	9.39
Seward	1.01	1.01	1.02	0.74	0.74	0.74
Stanton	27.84	27.85	27.87	20.32	20.33	20.34
Stevens	2.01	2.01	2.01	1.47	1.47	1.47
District Total	113.56	113.60	113.65	82.90	82.93	82.97
North Central District						
Clay	3.76	3.76	3.76	2.74	2.75	2.75
Cloud	58.03	58.05	58.08	42.36	42.38	42.40
Jewell	18.62	18.62	18.63	13.59	13.60	13.60
Mitchell	66.68	66.71	66.73	48.67	48.69	48.72
Osborne	33.11	33.12	33.13	24.17	24.18	24.19
Ottawa	18.70	18.71	18.72	13.65	13.66	13.67
Phillips	16.05	16.06	16.07	11.72	11.73	11.73
Republic	48.65	48.68	43.70	35.52	35.53	35.55
Roos	47.10	47.12	47.14	34.38	34.40	34.41
Smith	11.41	11.42	11.42	8.33	8.33	8.34
Washington	46.14	46.16	46.18	33.69	33.70	33.71
District Total	368.26	368.41	368.57	268.83	268.94	269.06
Central District						
Barton	111.39	111.43	111.48	81.31	81.35	81.38
Dickinson	14.24	14.24	14.25	10.39	10.40	10.40
Ellis	36.80	36.81	36.83	26.86	26.87	26.88
Ellsworth	7.10	7.10	7.11	5.18	5.19	5.19
Lincoln	8.18	8.18	8.18	5.97	5.97	5.97
McPherson	14.86	14.86	14.87	10.85	10.85	10.85
Marion	33.81	33.83	33.84	24.68	24.70	24.71
Rice	47.31	47.33	47.35	34.53	34.55	34.56
Rush	25.51	25.52	25.53	18.62	18.63	18.64
Russell	3.55	3.55	3.55	2.59	2.59	2.59
Saline	5.29	5.29	5.29	3.86	3.86	3.87
District Total	308.02	308.16	308.29	224.86	224.95	225.05
South Central District						
Barber	29.64	29.66	29.67	21.64	21.65	21.66
Comanche	4.97	4.97	4.97	3.63	3.63	3.63
Edwards	0.02	0.02	0.02	0.01	0.01	0.01
Harper	2.72	2.72	2.72	1.99	1.99	1.99
Harvey	8.34	8.35	8.35	6.09	6.09	6.10
Kingman	34.32	34.34	34.35	25.06	25.07	25.08
Kiowa	20.52	20.53	20.54	14.98	14.99	14.99
Pawnee	11.46	11.47	11.47	8.37	8.37	8.38
Pratt	13.12	13.12	13.13	9.58	9.58	9.58
Reno	35.50	35.52	35.53	25.92	25.93	25.94
Sedgwick	36.52	36.53	36.55	26.66	26.67	26.68
Stafford	31.31	31.33	31.34	22.86	22.87	22.88
Sumner	8.64	8.64	8.65	6.31	6.31	6.31
District Total	237.09	237.19	237.29	173.08	173.15	173.23

Hog Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	28.76	28.77	28.79	21.00	21.00	21.01
Brown	33.58	33.59	33.61	24.51	24.52	24.53
Doniphan	56.18	56.21	56.23	41.01	41.03	41.05
Jackson	30.13	30.15	30.16	22.00	22.01	22.02
Jefferson	29.73	29.74	29.76	21.70	21.71	21.72
Leavenworth	29.78	29.80	29.81	21.74	21.75	21.76
Marshall	19.67	19.67	19.68	14.36	14.36	14.37
Nemaha	70.01	70.04	70.07	51.11	51.13	51.15
Pottawatomie	90.13	90.17	90.21	65.79	65.82	65.85
Riley	52.25	52.27	52.29	38.14	38.16	38.17
Wyandotte	35.98	36.00	36.01	26.27	26.28	26.29
District Total	476.21	476.41	476.62	347.63	347.78	347.93
East Central District						
Anderson	1.20	1.20	1.20	0.87	0.87	0.88
Chase	25.57	25.58	25.59	18.67	18.67	18.68
Coffey	11.55	11.56	11.56	8.43	8.44	8.44
Douglas	17.52	17.53	17.54	12.79	12.80	12.80
Franklin	27.53	27.54	27.55	20.10	20.10	20.11
Geary	30.67	30.68	30.69	22.39	22.40	22.41
Johnson	23.41	23.42	23.43	17.09	17.10	17.10
Linn	11.60	11.60	11.61	8.46	8.47	8.47
Lyon	32.18	32.19	32.21	23.49	23.50	23.51
Miami	31.98	31.99	32.01	23.34	23.35	23.36
Morris	22.07	22.08	22.09	16.11	16.12	16.13
Osage	34.69	34.70	34.72	25.32	25.33	25.34
Shawnee	23.94	23.95	23.96	17.48	17.49	17.49
Wabaunsee	13.92	13.93	13.93	10.16	10.17	10.17
District Total	307.82	307.96	308.09	224.71	224.81	224.90
Southeast District						
Allen	27.34	27.35	27.36	19.95	19.96	19.97
Bourbon	15.66	15.67	15.67	11.43	11.44	11.44
Butler	18.57	18.58	18.59	13.56	13.56	13.57
Chautauqua	49.94	49.96	49.98	36.46	36.47	36.49
Cherokee	11.60	11.60	11.61	8.46	8.47	8.47
Cowley	9.17	9.18	9.18	6.70	6.70	6.70
Crawford	51.72	51.75	51.77	37.76	37.77	37.79
Elk	16.02	16.03	16.03	11.69	11.70	11.70
Greenwood	22.46	22.47	22.48	16.39	16.40	16.41
Labette	14.66	14.67	14.68	10.71	10.71	10.71
Montgomery	24.06	24.07	24.08	17.56	17.57	17.58
Neosho	37.12	37.14	37.15	27.10	27.11	27.12
Wilson	33.33	33.35	33.36	24.33	24.34	24.35
Woodson	21.96	21.97	21.98	16.03	16.04	16.04
District Total	353.61	353.76	353.91	258.13	258.25	258.36
State Total	2334.00	2335.00	2336.00	1703.82	1704.55	1705.28

Milk Cow Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUM)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.52	0.37	0.28	1.35	0.97	0.74
Decatur	0.88	0.64	0.49	2.31	1.66	1.27
Graham	0.58	0.42	0.32	1.52	1.09	0.84
Norton	0.99	0.71	0.54	2.59	1.86	1.42
Rawlins	1.57	1.13	0.86	4.09	2.94	2.25
Sheridan	1.41	1.01	0.77	3.67	2.64	2.02
Sherman	0.40	0.29	0.22	1.04	0.74	0.57
Thomas	0.36	0.26	0.20	0.94	0.67	0.51
District Total	6.71	4.82	3.68	17.50	12.57	9.61
West Central District						
Gove	0.93	0.67	0.51	2.43	1.75	1.34
Greeley	0.07	0.05	0.04	0.19	0.14	0.10
Lane	0.13	0.09	0.07	0.34	0.24	0.19
Logan	0.28	0.20	0.15	0.73	0.52	0.40
Ness	0.42	0.30	0.23	1.09	0.78	0.60
Scott	0.06	0.04	0.03	0.15	0.11	0.08
Trego	1.00	0.72	0.55	2.60	1.87	1.43
Wallace	0.25	0.18	0.14	0.65	0.46	0.35
Wichita	0.22	0.16	0.12	0.58	0.42	0.32
District Total	3.35	2.41	1.84	8.75	6.29	4.81
Southwest District						
Clark	0.06	0.04	0.03	0.15	0.11	0.08
Finney	0.11	0.08	0.06	0.29	0.21	0.16
Ford	0.81	0.58	0.44	2.11	1.52	1.16
Grant	0.06	0.04	0.03	0.16	0.12	0.09
Gray	0.10	0.08	0.06	0.27	0.20	0.15
Hamilton	0.06	0.05	0.03	0.17	0.12	0.09
Haskell	0.12	0.08	0.06	0.31	0.22	0.17
Hodgeman	0.63	0.45	0.35	1.65	1.19	0.91
Kearny	0.08	0.05	0.04	0.20	0.14	0.11
Meade	0.41	0.30	0.23	1.08	0.77	0.59
Morton	0.08	0.06	0.04	0.21	0.15	0.11
Seward	0.07	0.05	0.04	0.19	0.14	0.10
Stanton	0.07	0.05	0.04	0.18	0.13	0.10
Stevens	0.14	0.10	0.08	0.38	0.27	0.21
District Total	2.81	2.02	1.54	7.33	5.27	4.03
North Central District						
Clay	1.22	0.88	0.67	3.19	2.29	1.75
Cloud	0.55	0.39	0.30	1.43	1.03	0.79
Jewell	0.94	0.67	0.51	2.44	1.75	1.34
Mitchell	0.78	0.56	0.43	2.04	1.46	1.12
Osborne	0.71	0.51	0.39	1.85	1.33	1.02
Ottawa	1.02	0.73	0.56	2.65	1.90	1.46
Phillips	0.66	0.47	0.36	1.72	1.24	0.94
Republic	1.00	0.72	0.55	2.61	1.87	1.43
Rooks	1.21	0.87	0.66	3.16	2.27	1.74
Smith	1.12	0.80	0.62	2.92	2.10	1.61
Washington	3.07	2.21	1.69	8.03	5.76	4.41
District Total	12.28	8.82	6.74	32.04	23.01	17.60
Central District						
Barton	0.87	0.63	0.48	2.28	1.64	1.25
Dickinson	2.12	1.53	1.17	5.54	3.98	3.04
Ellis	1.53	1.10	0.84	4.00	2.87	2.20
Ellsworth	0.42	0.30	0.23	1.10	0.79	0.60
Lincoln	0.90	0.65	0.49	2.35	1.69	1.29
McPherson	3.58	2.57	1.97	9.35	6.72	5.14
Marion	5.48	3.94	3.01	14.31	10.28	7.86
Rice	1.31	0.94	0.72	3.42	2.46	1.88
Rush	0.20	0.14	0.11	0.52	0.38	0.29
Russell	1.07	0.77	0.59	2.79	2.00	1.53
Saline	2.01	1.44	1.10	5.24	3.76	2.88
District Total	19.50	14.01	10.71	50.90	36.56	27.96
South Central District						
Barber	0.97	0.69	0.53	2.52	1.81	1.39
Comanche	0.44	0.31	0.24	1.14	0.82	0.63
Edwards	0.02	0.01	0.01	0.04	0.03	0.02
Harper	0.97	0.70	0.53	2.53	1.82	1.39
Harvey	2.43	1.75	1.34	6.35	4.56	3.49
Kingman	2.20	1.58	1.21	5.75	4.13	3.16
Kiowa	0.14	0.10	0.08	0.37	0.26	0.20
Pawnee	0.46	0.33	0.25	1.19	0.85	0.65
Pratt	0.62	0.44	0.34	1.61	1.15	0.88
Reno	4.43	3.18	2.43	11.56	8.30	6.35
Sedgwick	8.32	5.97	4.57	21.71	15.59	11.92
Stafford	0.33	0.24	0.18	0.87	0.62	0.48
Sumner	1.45	1.04	0.80	3.78	2.72	2.08
District Total	22.77	16.35	12.51	59.42	42.68	32.64

Milk Cow Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUM)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	2.15	1.54	1.18	5.60	4.02	3.08
Brown	2.93	2.10	1.61	7.65	5.49	4.20
Doniphan	0.87	0.63	0.48	2.27	1.63	1.25
Jackson	2.29	1.64	1.26	5.97	4.29	3.28
Jefferson	2.82	2.02	1.55	7.35	5.28	4.04
Leavenworth	4.36	3.13	2.40	11.39	8.18	6.26
Marshall	3.61	2.59	1.98	9.42	6.76	5.17
Nebraska	7.05	5.07	3.87	18.41	13.23	10.11
Pottawatomie	2.02	1.45	1.11	5.27	3.79	2.90
Riley	1.63	1.17	0.89	4.24	3.05	2.33
Wyandotte	0.30	0.22	0.16	0.78	0.56	0.43
District Total	30.02	21.56	16.49	78.36	56.28	43.04
East Central District						
Anderson	2.46	1.77	1.35	6.42	4.61	3.53
Chase	0.30	0.21	0.16	0.77	0.56	0.43
Coffey	0.78	0.56	0.43	2.04	1.47	1.12
Douglas	3.31	2.38	1.82	8.65	6.21	4.75
Franklin	3.82	2.75	2.10	9.98	7.17	5.48
Geary	1.02	0.73	0.56	2.65	1.90	1.46
Johnson	1.27	0.91	0.70	3.32	2.38	1.82
Linn	1.72	1.24	0.95	4.49	3.23	2.47
Lyon	1.47	1.05	0.81	3.83	2.75	2.10
Miami	2.75	1.98	1.51	7.18	5.16	3.94
Morris	1.90	1.37	1.04	4.96	3.57	2.73
Osage	0.95	0.68	0.52	2.48	1.78	1.36
Shawnee	0.92	0.66	0.50	2.39	1.72	1.31
Wabaunsee	1.25	0.90	0.69	3.26	2.34	1.79
District Total	23.92	17.18	13.14	62.43	44.84	34.29
Southeast District						
Allen	2.69	1.93	1.48	7.02	5.04	3.85
Bourbon	2.51	1.80	1.38	6.55	4.70	3.60
Butler	2.05	1.47	1.13	5.36	3.85	2.94
Chautauqua	0.67	0.48	0.37	1.74	1.25	0.96
Cherokee	0.40	0.29	0.22	1.05	0.75	0.58
Cowley	1.25	0.90	0.69	3.27	2.35	1.79
Crawford	1.51	1.08	0.83	3.94	2.83	2.16
Elk	0.29	0.21	0.16	0.75	0.54	0.41
Greenwood	1.76	1.26	0.97	4.59	3.29	2.52
Labette	2.46	1.77	1.35	6.42	4.61	3.52
Montgomery	1.47	1.05	0.81	3.83	2.75	2.10
Neosho	2.23	1.60	1.23	5.83	4.19	3.20
Wilson	0.71	0.51	0.39	1.84	1.32	1.01
Woodson	0.66	0.47	0.36	1.72	1.24	0.94
District Total	20.65	14.83	11.34	53.89	38.71	29.60
State Total	142.00	102.00	78.00	370.62	266.22	203.58

Milk Cow Replacement Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.20	0.19	0.17	0.10	0.09	0.09
Decatur	0.34	0.32	0.30	0.17	0.16	0.15
Graham	0.22	0.21	0.20	0.11	0.10	0.10
Norton	0.38	0.36	0.34	0.19	0.18	0.17
Rawlins	0.60	0.56	0.53	0.29	0.28	0.26
Sheridan	0.54	0.51	0.48	0.26	0.25	0.23
Sherman	0.15	0.14	0.13	0.07	0.07	0.07
Thomas	0.14	0.13	0.12	0.07	0.06	0.06
District Total	2.55	2.41	2.27	1.26	1.19	1.12
West Central District						
Gove	0.35	0.33	0.31	0.17	0.16	0.16
Greeley	0.03	0.03	0.02	0.01	0.01	0.01
Lane	0.05	0.05	0.04	0.02	0.02	0.02
Logan	0.11	0.10	0.09	0.05	0.05	0.05
Ness	0.16	0.15	0.14	0.08	0.07	0.07
Scott	0.02	0.02	0.02	0.01	0.01	0.01
Trego	0.38	0.36	0.34	0.19	0.18	0.17
Wallace	0.09	0.09	0.08	0.05	0.04	0.04
Wichita	0.08	0.08	0.07	0.04	0.04	0.04
District Total	1.28	1.20	1.13	0.63	0.59	0.56
Southwest District						
Clark	0.02	0.02	0.02	0.01	0.01	0.01
Finney	0.04	0.04	0.04	0.02	0.02	0.02
Ford	0.31	0.29	0.27	0.15	0.14	0.13
Grant	0.02	0.02	0.02	0.01	0.01	0.01
Gray	0.04	0.04	0.04	0.02	0.02	0.02
Hamilton	0.02	0.02	0.02	0.01	0.01	0.01
Haskell	0.04	0.04	0.04	0.02	0.02	0.02
Hodgeman	0.24	0.23	0.21	0.12	0.11	0.11
Kearny	0.03	0.03	0.03	0.01	0.01	0.01
Meade	0.16	0.15	0.14	0.08	0.07	0.07
Morton	0.03	0.03	0.03	0.01	0.01	0.01
Seward	0.03	0.03	0.02	0.01	0.01	0.01
Stanton	0.03	0.02	0.02	0.01	0.01	0.01
Stevens	0.05	0.05	0.05	0.03	0.03	0.02
District Total	1.07	1.01	0.95	0.53	0.50	0.47
North Central District						
Clay	0.46	0.44	0.41	0.23	0.22	0.20
Cloud	0.21	0.20	0.19	0.10	0.10	0.09
Jewell	0.36	0.34	0.32	0.18	0.17	0.16
Mitchell	0.30	0.28	0.26	0.15	0.14	0.13
Osborne	0.27	0.26	0.24	0.13	0.13	0.12
Ottawa	0.39	0.36	0.34	0.19	0.18	0.17
Phillips	0.25	0.24	0.22	0.12	0.12	0.11
Republic	0.38	0.36	0.34	0.19	0.18	0.17
Rooks	0.46	0.43	0.41	0.23	0.21	0.20
Smith	0.43	0.40	0.38	0.21	0.20	0.19
Washington	1.17	1.10	1.04	0.58	0.54	0.51
District Total	4.67	4.41	4.15	2.30	2.17	2.05
Central District						
Barton	0.33	0.31	0.30	0.16	0.15	0.15
Dickinson	0.81	0.76	0.72	0.40	0.38	0.35
Ellis	0.58	0.55	0.52	0.29	0.27	0.26
Ellsworth	0.16	0.15	0.14	0.08	0.07	0.07
Lincoln	0.34	0.32	0.30	0.17	0.16	0.15
McPherson	1.36	1.29	1.21	0.67	0.63	0.60
Marion	2.09	1.97	1.85	1.03	0.97	0.91
Rice	0.50	0.47	0.44	0.25	0.23	0.22
Rush	0.08	0.07	0.07	0.04	0.04	0.03
Russell	0.41	0.38	0.36	0.20	0.19	0.18
Saline	0.76	0.72	0.68	0.38	0.36	0.33
District Total	7.42	7.00	6.59	3.66	3.45	3.25
South Central District						
Barber	0.37	0.35	0.33	0.18	0.17	0.16
Comanche	0.17	0.16	0.15	0.08	0.08	0.07
Edwards	0.01	0.01	0.01	0.00	0.00	0.00
Harper	0.37	0.35	0.33	0.18	0.17	0.16
Harvey	0.93	0.87	0.82	0.46	0.43	0.41
Kingman	0.84	0.79	0.74	0.41	0.39	0.37
Kiowa	0.05	0.05	0.05	0.03	0.02	0.02
Pawnee	0.17	0.16	0.15	0.09	0.08	0.08
Pratt	0.23	0.22	0.21	0.12	0.11	0.10
Reno	1.68	1.59	1.50	0.83	0.78	0.74
Sedgwick	3.16	2.99	2.81	1.56	1.47	1.39
Stafford	0.13	0.12	0.11	0.06	0.06	0.06
Sumner	0.55	0.52	0.49	0.27	0.26	0.24
District Total	8.66	8.18	7.70	4.27	4.03	3.79

Milk Cow Replacement Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.82	0.77	0.73	0.40	0.38	0.36
Brown	1.11	1.05	0.99	0.55	0.52	0.49
Doniphan	0.33	0.31	0.29	0.16	0.15	0.15
Jackson	0.87	0.82	0.77	0.43	0.41	0.38
Jefferson	1.07	1.01	0.95	0.53	0.50	0.47
Leavenworth	1.66	1.57	1.48	0.82	0.77	0.73
Marshall	1.37	1.30	1.22	0.68	0.64	0.60
Nemaha	2.68	2.53	2.38	1.32	1.25	1.18
Pottawatomie	0.77	0.73	0.68	0.38	0.36	0.34
Riley	0.62	0.58	0.55	0.30	0.29	0.27
Wyandotte	0.11	0.11	0.10	0.06	0.05	0.05
District Total	11.42	10.78	10.15	5.63	5.32	5.00
East Central District						
Anderson	0.94	0.88	0.83	0.46	0.44	0.41
Chase	0.11	0.11	0.10	0.06	0.05	0.05
Coffey	0.30	0.28	0.26	0.15	0.14	0.13
Douglas	1.26	1.19	1.12	0.62	0.59	0.55
Franklin	1.45	1.37	1.29	0.72	0.68	0.64
Geary	0.39	0.36	0.34	0.19	0.18	0.17
Johnson	0.48	0.46	0.43	0.24	0.23	0.21
Linn	0.65	0.62	0.58	0.32	0.30	0.29
Lyon	0.56	0.53	0.50	0.28	0.26	0.24
Miami	1.05	0.99	0.93	0.52	0.49	0.46
Morris	0.72	0.68	0.64	0.36	0.34	0.32
Osage	0.36	0.34	0.32	0.18	0.17	0.16
Shawnee	0.35	0.33	0.31	0.17	0.16	0.15
Wabaunsee	0.47	0.45	0.42	0.23	0.22	0.21
District Total	9.10	8.59	8.09	4.48	4.24	3.99
Southeast District						
Allen	1.02	0.97	0.91	0.50	0.48	0.45
Bourbon	0.95	0.90	0.85	0.47	0.44	0.42
Butler	0.78	0.74	0.69	0.38	0.36	0.34
Chautauqua	0.25	0.24	0.23	0.12	0.12	0.11
Cherokee	0.15	0.14	0.14	0.08	0.07	0.07
Cowley	0.48	0.45	0.42	0.23	0.22	0.21
Crawford	0.57	0.54	0.51	0.28	0.27	0.25
Elk	0.11	0.10	0.10	0.05	0.05	0.05
Greenwood	0.67	0.63	0.59	0.33	0.31	0.29
Labette	0.93	0.88	0.83	0.46	0.44	0.41
Montgomery	0.56	0.53	0.50	0.27	0.26	0.24
Neosho	0.85	0.80	0.75	0.42	0.40	0.37
Wilson	0.27	0.25	0.24	0.13	0.13	0.12
Woodson	0.25	0.24	0.22	0.12	0.12	0.11
District Total	7.85	7.42	6.98	3.87	3.66	3.44
State Total	54.00	51.00	48.00	26.62	25.14	23.66

Cattle on Feed Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	7.35	7.44	7.49	25.47	25.82	25.99
Decatur	17.31	17.54	17.66	60.02	60.83	61.24
Graham	1.12	1.14	1.14	3.89	3.94	3.96
Norton	0.97	0.99	0.99	3.38	3.42	3.45
Rawlins	1.10	1.11	1.12	3.80	3.85	3.88
Sheridan	23.79	24.11	24.27	82.50	83.61	84.17
Sherman	11.75	11.91	11.98	40.73	41.28	41.56
Thomas	11.42	11.58	11.65	39.61	40.14	40.41
District Total	74.81	75.82	76.32	259.39	262.89	264.65
West Central District						
Gove	28.78	29.17	29.37	99.81	101.16	101.83
Greeley	23.66	23.98	24.14	82.05	83.16	83.71
Lane	31.38	31.80	32.01	108.79	110.26	111.00
Logan	2.43	2.47	2.48	8.44	8.56	8.61
Ness	1.04	1.05	1.06	3.60	3.65	3.67
Scott	80.92	82.02	82.56	280.60	284.39	286.29
Trego	5.63	5.70	5.74	19.51	19.77	19.90
Wallace	1.60	1.62	1.63	5.53	5.61	5.65
Wichita	76.77	77.80	78.32	266.19	269.79	271.58
District Total	252.21	255.61	257.32	874.52	886.34	892.25
Southwest District						
Clark	11.45	11.61	11.68	39.71	40.24	40.51
Finney	103.31	104.71	105.40	358.23	363.07	365.49
Ford	81.15	82.25	82.80	281.39	285.20	287.10
Grant	58.04	58.82	59.22	201.25	203.97	205.33
Gray	53.77	54.50	54.86	186.46	188.98	190.24
Hamilton	22.28	22.58	22.73	77.24	78.28	78.81
Haskell	114.19	115.73	116.50	395.95	401.30	403.98
Hodgeman	23.65	23.97	24.13	82.02	83.12	83.68
Kearny	52.08	52.78	53.13	180.58	183.02	184.24
Meade	7.12	7.21	7.26	24.68	25.01	25.18
Morton	0.65	0.65	0.66	2.24	2.27	2.28
Seward	52.46	53.16	53.52	181.89	184.35	185.58
Stanton	26.68	27.05	27.23	92.53	93.78	94.41
Stevens	21.76	22.05	22.20	75.44	76.46	76.97
District Total	628.58	637.07	641.32	2179.60	2209.05	2223.78
North Central District						
Clay	2.13	2.16	2.17	7.38	7.48	7.53
Cloud	1.14	1.16	1.17	3.97	4.02	4.05
Jewell	2.66	2.70	2.72	9.23	9.36	9.42
Mitchell	10.98	11.13	11.20	38.07	38.58	38.84
Osborne	2.85	2.89	2.91	9.88	10.01	10.08
Ottawa	6.17	6.25	6.29	21.39	21.67	21.82
Phillips	1.02	1.03	1.04	3.52	3.57	3.59
Republic	12.90	13.08	13.17	44.75	45.35	45.65
Rooks	2.08	2.10	2.12	7.20	7.30	7.35
Smith	4.86	4.93	4.96	16.85	17.08	17.20
Washington	5.03	5.10	5.13	17.45	17.69	17.80
District Total	51.82	52.52	52.87	179.68	182.11	183.33
Central District						
Barton	54.97	55.72	56.09	190.62	193.19	194.48
Dickinson	10.16	10.30	10.37	35.24	35.71	35.95
Ellis	19.74	20.00	20.14	68.44	69.36	69.83
Ellsworth	1.64	1.67	1.68	5.70	5.77	5.81
Lincoln	0.90	0.92	0.92	3.14	3.18	3.20
McPherson	6.85	6.94	6.99	23.76	24.08	24.24
Marion	2.42	2.46	2.47	8.40	8.52	8.57
Rice	6.50	6.59	6.64	22.56	22.86	23.01
Rush	0.97	0.99	0.99	3.37	3.42	3.44
Russell	0.54	0.55	0.55	1.88	1.90	1.92
Saline	6.52	6.61	6.65	22.61	22.92	23.07
District Total	111.23	112.74	113.49	385.70	390.91	393.52
South Central District						
Barber	1.39	1.40	1.41	4.80	4.87	4.90
Comanche	0.96	0.97	0.98	3.33	3.38	3.40
Edwards	0.02	0.02	0.02	0.06	0.06	0.06
Harper	2.10	2.13	2.15	7.29	7.39	7.44
Harvey	3.44	3.49	3.51	11.94	12.10	12.18
Kingman	1.21	1.23	1.24	4.20	4.25	4.28
Kiowa	0.95	0.97	0.97	3.31	3.35	3.37
Pawnee	19.82	20.09	20.22	68.73	69.66	70.12
Pratt	23.42	23.74	23.90	81.22	82.32	82.87
Reno	11.38	11.54	11.61	39.47	40.00	40.27
Sedgwick	4.66	4.73	4.76	16.17	16.39	16.50
Stafford	7.53	7.63	7.68	26.11	26.46	26.64
Sumner	2.43	2.46	2.48	8.42	8.53	8.59
District Total	79.33	80.40	80.93	275.06	278.78	280.64

Cattle on Feed Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PFT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	1.80	1.82	1.83	6.23	6.31	6.35
Brown	4.84	4.90	4.94	16.77	17.00	17.11
Doniphan	2.56	2.60	2.61	8.88	9.00	9.06
Jackson	0.69	0.70	0.70	2.38	2.41	2.43
Jefferson	1.21	1.23	1.23	4.19	4.25	4.28
Leavenworth	0.51	0.52	0.52	1.78	1.80	1.82
Marshall	1.99	2.02	2.03	6.91	7.01	7.05
Nemaha	2.37	2.40	2.42	8.21	8.32	8.38
Pottawatomie	2.18	2.21	2.22	7.55	7.65	7.70
Riley	1.75	1.77	1.79	6.07	6.15	6.19
Wyandotte	0.30	0.31	0.31	1.05	1.07	1.07
District Total	20.20	20.47	20.61	70.03	70.98	71.45
East Central District						
Anderson	0.84	0.85	0.85	2.90	2.94	2.96
Chase	2.64	2.68	2.70	9.16	9.28	9.35
Coffey	1.90	1.93	1.94	6.60	6.69	6.73
Douglas	1.88	1.90	1.92	6.51	6.60	6.65
Franklin	1.57	1.59	1.60	5.45	5.52	5.56
Gary	0.65	0.66	0.66	2.25	2.28	2.29
Johnson	0.78	0.79	0.79	2.69	2.73	2.75
Linn	0.70	0.71	0.72	2.44	2.47	2.49
Lyon	10.01	10.14	10.21	34.70	35.17	35.40
Miami	1.35	1.37	1.38	4.68	4.74	4.77
Morris	5.76	5.84	5.87	19.96	20.23	20.37
Osage	1.67	1.70	1.71	5.80	5.88	5.92
Shawnee	1.21	1.22	1.23	4.18	4.24	4.26
Wabaunsee	4.04	4.09	4.12	14.01	14.19	14.29
District Total	34.99	35.46	35.70	121.32	122.96	123.78
Southeast District						
Allen	1.00	1.01	1.02	3.46	3.50	3.53
Bourbon	0.83	0.84	0.85	2.89	2.93	2.95
Butler	26.69	27.05	27.23	92.55	93.80	94.43
Chautauqua	3.04	3.08	3.10	10.55	10.69	10.77
Cherokee	0.42	0.43	0.43	1.47	1.49	1.50
Cowley	14.10	14.29	14.39	48.89	49.55	49.88
Crawford	2.54	2.57	2.59	8.80	8.92	8.98
Elk	0.52	0.52	0.53	1.79	1.81	1.82
Greenwood	1.62	1.64	1.65	5.62	5.69	5.73
Labette	16.38	16.60	16.71	56.79	57.56	57.94
Montgomery	1.34	1.36	1.37	4.66	4.72	4.75
Neosho	1.03	1.05	1.05	3.58	3.63	3.65
Wilson	0.47	0.48	0.48	1.63	1.65	1.66
Woodson	8.86	8.98	9.04	30.73	31.15	31.36
District Total	78.85	79.91	80.45	273.41	277.10	278.95
State Total	1332.00	1350.00	1359.00	4618.71	4681.13	4712.33

Other Cattle Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	29.19	29.23	29.25	2.67	2.67	2.68
Decatur	41.47	41.52	41.54	3.79	3.80	3.80
Graham	31.16	31.19	31.21	2.85	2.85	2.86
Norton	34.96	35.00	35.03	3.20	3.20	3.21
Rawlins	31.47	31.50	31.53	2.88	2.88	2.88
Sheridan	46.62	46.67	46.71	4.27	4.27	4.27
Sherman	27.71	27.74	27.76	2.54	2.54	2.54
Thomas	26.75	26.78	26.80	2.45	2.45	2.45
District Total	269.32	269.64	269.83	24.64	24.67	24.69
West Central District						
Gove	61.00	61.07	61.12	5.58	5.59	5.59
Greeley	26.43	26.46	26.48	2.42	2.42	2.42
Lane	37.47	37.51	37.54	3.43	3.43	3.43
Logan	25.18	25.21	25.23	2.30	2.31	2.31
Ness	38.59	38.63	38.66	3.53	3.54	3.54
Scott	79.44	79.53	79.59	7.27	7.28	7.28
Trego	34.13	34.17	34.20	3.12	3.13	3.13
Wallace	20.77	20.79	20.81	1.90	1.90	1.90
Wichita	63.73	63.81	63.85	5.83	5.84	5.84
District Total	386.74	387.20	387.47	35.39	35.43	35.45
Southwest District						
Clark	44.47	44.53	44.56	4.07	4.07	4.08
Finney	83.27	83.37	83.43	7.62	7.63	7.63
Ford	86.79	86.89	86.96	7.94	7.95	7.96
Grant	49.35	49.40	49.44	4.52	4.52	4.52
Gray	67.46	67.54	67.59	6.17	6.18	6.18
Hamilton	25.71	25.74	25.75	2.35	2.35	2.36
Haskell	83.58	83.68	83.74	7.65	7.66	7.66
Hodgeman	49.17	49.23	49.27	4.50	4.50	4.51
Kearny	49.57	49.63	49.67	4.54	4.54	4.54
Meade	33.54	33.57	33.60	3.07	3.07	3.07
Morton	15.85	15.87	15.88	1.45	1.45	1.45
Seward	43.99	44.04	44.07	4.02	4.03	4.03
Stanton	28.55	28.59	28.61	2.61	2.62	2.62
Stevens	24.36	24.39	24.41	2.23	2.23	2.23
District Total	685.67	686.48	686.97	62.74	62.81	62.86
North Central District						
Clay	36.05	36.09	36.12	3.30	3.30	3.30
Cloud	27.95	27.98	28.00	2.56	2.56	2.56
Jewell	42.13	42.18	42.21	3.85	3.86	3.86
Mitchell	32.75	32.79	32.82	3.00	3.00	3.00
Osborne	43.20	43.25	43.28	3.95	3.96	3.96
Ottawa	35.84	35.88	35.91	3.28	3.28	3.29
Phillips	49.11	49.17	49.20	4.49	4.50	4.50
Republic	42.26	42.31	42.34	3.87	3.87	3.87
Rooks	35.04	35.08	35.10	3.21	3.21	3.21
Smith	51.64	51.70	51.74	4.72	4.73	4.73
Washington	60.84	60.91	60.95	5.57	5.57	5.58
District Total	456.80	457.34	457.67	41.80	41.85	41.88
Central District						
Barton	65.29	65.37	65.42	5.97	5.98	5.99
Dickinson	54.72	54.79	54.82	5.01	5.01	5.02
Ellis	45.27	45.32	45.36	4.14	4.15	4.15
Ellsworth	31.63	31.67	31.69	2.89	2.90	2.90
Lincoln	38.02	38.07	38.09	3.48	3.48	3.49
McPherson	46.31	46.36	46.40	4.24	4.24	4.25
Marion	55.90	55.96	56.00	5.11	5.12	5.12
Rice	38.81	38.85	38.88	3.55	3.55	3.56
Rush	25.76	25.79	25.81	2.36	2.36	2.36
Russell	29.15	29.19	29.21	2.67	2.67	2.67
Saline	34.49	34.53	34.55	3.16	3.16	3.16
District Total	465.35	465.90	466.23	42.58	42.63	42.66
South Central District						
Barber	59.90	59.98	60.02	5.48	5.49	5.49
Comanche	36.23	36.27	36.30	3.31	3.32	3.32
Edwards	0.01	0.01	0.01	0.00	0.00	0.00
Harper	49.18	49.24	49.28	4.50	4.51	4.51
Harvey	30.47	30.51	30.53	2.79	2.79	2.79
Kingman	42.74	42.79	42.82	3.91	3.92	3.92
Kiowa	26.09	26.12	26.14	2.39	2.39	2.39
Pawnee	36.68	36.72	36.75	3.36	3.36	3.36
Pratt	38.76	38.81	38.83	3.55	3.55	3.55
Reno	56.04	56.11	56.15	5.13	5.13	5.14
Sedgwick	40.56	40.61	40.64	3.71	3.72	3.72
Stafford	40.15	40.20	40.23	3.67	3.68	3.68
Sumner	38.12	38.17	38.19	3.49	3.49	3.49
District Total	494.94	495.53	495.88	45.29	45.34	45.37

Other Cattle Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	26.34	26.37	26.39	2.41	2.41	2.41
Brown	38.54	38.59	38.61	3.53	3.53	3.53
Doniphan	20.04	20.06	20.08	1.83	1.84	1.84
Jackson	42.75	42.80	42.83	3.91	3.92	3.92
Jefferson	33.47	33.51	33.53	3.06	3.07	3.07
Leavenworth	28.35	28.38	28.40	2.59	2.60	2.60
Marshall	44.84	44.89	44.92	4.10	4.11	4.11
Nemaha	47.47	47.52	47.55	4.34	4.35	4.35
Pottawatomie	51.70	51.76	51.79	4.73	4.74	4.74
Riley	28.55	28.58	28.60	2.61	2.61	2.62
Wyandotte	3.04	3.05	3.05	0.28	0.28	0.28
District Total	365.07	365.51	365.77	33.40	33.44	33.47
East Central District						
Anderson	35.42	35.46	35.49	3.24	3.24	3.25
Chase	33.97	34.01	34.04	3.11	3.11	3.11
Coffey	34.25	34.29	34.32	3.13	3.14	3.14
Douglas	29.68	29.72	29.74	2.72	2.72	2.72
Franklin	35.12	35.16	35.18	3.21	3.22	3.22
Geary	16.40	16.42	16.43	1.50	1.50	1.50
Johnson	16.96	16.98	17.00	1.55	1.55	1.56
Linn	33.21	33.24	33.27	3.04	3.04	3.04
Lyon	54.47	54.54	54.58	4.98	4.99	4.99
Miami	37.48	37.52	37.55	3.43	3.43	3.44
Morris	49.27	49.32	49.36	4.51	4.51	4.52
Osage	35.38	35.43	35.45	3.24	3.24	3.24
Shawnee	19.74	19.76	19.77	1.81	1.81	1.81
Wabaunsee	46.66	46.71	46.74	4.27	4.27	4.28
District Total	478.01	478.57	478.91	43.74	43.79	43.82
Southeast District						
Allen	29.35	29.39	29.41	2.69	2.69	2.69
Bourbon	45.24	45.30	45.33	4.14	4.14	4.15
Butler	94.61	94.72	94.79	8.66	8.67	8.67
Chautauqua	37.53	37.57	37.60	3.43	3.44	3.44
Cherokee	23.63	23.66	23.68	2.16	2.16	2.17
Cowley	71.46	71.55	71.60	6.54	6.55	6.55
Crawford	35.86	35.91	35.93	3.28	3.29	3.29
Elk	39.05	39.09	39.12	3.57	3.58	3.58
Greenwood	63.09	63.16	63.21	5.77	5.78	5.78
Labette	53.26	53.33	53.36	4.87	4.88	4.88
Montgomery	32.30	32.34	32.36	2.96	2.96	2.96
Neosho	37.54	37.59	37.61	3.44	3.44	3.44
Wilson	29.22	29.26	29.28	2.67	2.68	2.68
Woodson	31.94	31.98	32.00	2.92	2.93	2.93
District Total	624.10	624.84	625.28	57.10	57.17	57.21
State Total	4226.00	4231.00	4234.00	386.68	387.14	387.41

Stock Sheep Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.34	0.31	0.28	0.01	0.01	0.01
Decatur	0.42	0.38	0.35	0.02	0.01	0.01
Graham	0.26	0.24	0.22	0.01	0.01	0.01
Norton	1.40	1.27	1.17	0.05	0.05	0.04
Rawlins	2.47	2.25	2.07	0.09	0.08	0.08
Sheridan	1.00	0.90	0.83	0.04	0.03	0.03
Sherman	1.85	1.68	1.54	0.07	0.06	0.06
Thomas	1.83	1.67	1.53	0.07	0.06	0.06
District Total	9.57	8.69	7.99	0.35	0.32	0.29
West Central District						
Gove	1.73	1.57	1.44	0.06	0.06	0.05
Greeley	0.33	0.30	0.28	0.01	0.01	0.01
Lane	0.58	0.52	0.48	0.02	0.02	0.02
Logan	1.78	1.62	1.49	0.07	0.06	0.05
Ness	0.87	0.79	0.73	0.03	0.03	0.03
Scott	0.86	0.78	0.72	0.03	0.03	0.03
Trego	1.01	0.92	0.85	0.04	0.03	0.03
Wallace	1.83	1.67	1.53	0.07	0.06	0.06
Wichita	3.23	2.93	2.69	0.12	0.11	0.10
District Total	12.22	11.10	10.21	0.45	0.41	0.37
Southwest District						
Clark	0.65	0.59	0.54	0.02	0.02	0.02
Finney	0.44	0.40	0.37	0.02	0.01	0.01
Ford	0.34	0.31	0.29	0.01	0.01	0.01
Grant	0.23	0.21	0.20	0.01	0.01	0.01
Gray	2.58	2.35	2.16	0.09	0.09	0.08
Hamilton	1.41	1.28	1.18	0.05	0.05	0.04
Haskell	0.15	0.14	0.13	0.01	0.01	0.00
Hodgeman	0.36	0.33	0.30	0.01	0.01	0.01
Kearny	1.36	1.23	1.13	0.05	0.04	0.04
Mead	0.60	0.55	0.50	0.02	0.02	0.02
Morton	0.19	0.17	0.16	0.01	0.01	0.01
Seward	0.20	0.18	0.16	0.01	0.01	0.01
Stanton	0.25	0.23	0.21	0.01	0.01	0.01
Stevens	0.07	0.07	0.06	0.00	0.00	0.00
District Total	8.84	8.03	7.38	0.32	0.29	0.27
North Central District						
Clay	1.00	0.90	0.83	0.04	0.03	0.03
Cloud	1.11	1.01	0.93	0.04	0.04	0.03
Jewell	4.33	3.94	3.62	0.16	0.14	0.13
Mitchell	2.68	2.44	2.24	0.10	0.09	0.08
Osborne	2.53	2.30	2.12	0.09	0.08	0.08
Ottawa	1.02	0.93	0.86	0.04	0.03	0.03
Phillips	0.53	0.48	0.44	0.02	0.02	0.02
Republic	4.34	3.94	3.62	0.16	0.14	0.13
Rooks	0.32	0.29	0.27	0.01	0.01	0.01
Smith	2.43	2.21	2.03	0.09	0.08	0.07
Washington	3.06	2.78	2.56	0.11	0.10	0.09
District Total	23.36	21.22	19.51	0.85	0.77	0.71
Central District						
Barton	1.61	1.46	1.34	0.06	0.05	0.05
Dickinson	2.95	2.68	2.46	0.11	0.10	0.09
Ellis	0.57	0.52	0.48	0.02	0.02	0.02
Ellsworth	0.39	0.35	0.32	0.01	0.01	0.01
Lincoln	2.85	2.59	2.38	0.10	0.09	0.09
McPherson	5.04	4.57	4.21	0.18	0.17	0.15
Marion	2.13	1.94	1.78	0.08	0.07	0.07
Rice	2.06	1.87	1.72	0.08	0.07	0.06
Rush	0.91	0.83	0.76	0.03	0.03	0.03
Russell	0.58	0.52	0.48	0.02	0.02	0.02
Saline	0.78	0.70	0.65	0.03	0.03	0.02
District Total	19.85	18.04	16.59	0.72	0.66	0.61
South Central District						
Barber	1.70	1.54	1.42	0.06	0.06	0.05
Comanche	0.61	0.55	0.51	0.02	0.02	0.02
Edwards	0.01	0.01	0.01	0.00	0.00	0.00
Harper	4.46	4.05	3.73	0.16	0.15	0.14
Harvey	7.22	6.56	6.03	0.26	0.24	0.22
Kingman	2.40	2.18	2.01	0.09	0.08	0.07
Kiowa	0.68	0.62	0.57	0.02	0.02	0.02
Pawnee	0.94	0.85	0.78	0.03	0.03	0.03
Pratt	0.68	0.62	0.57	0.02	0.02	0.02
Reno	12.06	10.95	10.07	0.44	0.40	0.37
Sedgwick	17.44	15.85	14.57	0.64	0.58	0.53
Stafford	1.01	0.91	0.84	0.04	0.03	0.03
Sumner	4.96	4.51	4.15	0.18	0.16	0.15
District Total	54.16	49.20	45.24	1.98	1.80	1.65

Stock Sheep Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.62	0.57	0.52	0.02	0.02	0.02
Brown	1.00	0.91	0.84	0.04	0.03	0.03
Doniphan	0.74	0.67	0.62	0.03	0.02	0.02
Jackson	1.91	1.74	1.60	0.07	0.06	0.06
Jefferson	0.36	0.33	0.30	0.01	0.01	0.01
Leavenworth	0.59	0.54	0.49	0.02	0.02	0.02
Marshall	0.90	0.82	0.75	0.03	0.03	0.03
Nemaha	0.85	0.77	0.71	0.03	0.03	0.03
Pottawatomie	1.11	1.01	0.93	0.04	0.04	0.03
Riley	1.53	1.39	1.28	0.06	0.05	0.05
Wyandotte	0.10	0.09	0.09	0.00	0.00	0.00
District Total	9.72	8.84	8.12	0.35	0.32	0.30
East Central District						
Anderson	0.87	0.79	0.73	0.03	0.03	0.03
Chase	0.71	0.65	0.60	0.03	0.02	0.02
Coffey	0.40	0.36	0.33	0.01	0.01	0.01
Douglas	0.93	0.85	0.78	0.03	0.03	0.03
Franklin	1.63	1.48	1.36	0.06	0.05	0.05
Geary	0.35	0.32	0.29	0.01	0.01	0.01
Johnson	0.55	0.50	0.46	0.02	0.02	0.02
Linn	0.21	0.19	0.18	0.01	0.01	0.01
Lyon	0.41	0.38	0.35	0.02	0.01	0.01
Miami	0.65	0.59	0.54	0.02	0.02	0.02
Morris	0.50	0.46	0.42	0.02	0.02	0.02
Osage	1.02	0.93	0.85	0.04	0.03	0.03
Shawnee	0.85	0.78	0.71	0.03	0.03	0.03
Wabaunsee	4.16	3.78	3.48	0.15	0.14	0.13
District Total	13.26	12.04	11.07	0.48	0.44	0.40
Southeast District						
Allen	0.67	0.61	0.56	0.02	0.02	0.02
Bourbon	0.58	0.53	0.49	0.02	0.02	0.02
Butler	2.10	1.91	1.76	0.08	0.07	0.06
Chautauqua	0.64	0.58	0.53	0.02	0.02	0.02
Cherokee	0.14	0.13	0.12	0.01	0.00	0.00
Cowley	3.40	3.09	2.84	0.12	0.11	0.10
Crawford	0.90	0.82	0.75	0.03	0.03	0.03
Elk	0.64	0.59	0.54	0.02	0.02	0.02
Greenwood	0.52	0.47	0.44	0.02	0.02	0.02
Labette	0.89	0.81	0.75	0.03	0.03	0.03
Montgomery	0.57	0.52	0.48	0.02	0.02	0.02
Neosho	0.55	0.50	0.46	0.02	0.02	0.02
Wilson	0.59	0.54	0.49	0.02	0.02	0.02
Woodson	0.82	0.74	0.68	0.03	0.03	0.02
District Total	13.02	11.83	10.88	0.48	0.43	0.40
State Total	164.00	149.00	137.00	5.99	5.44	5.00

Lambs on Feed (Native) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.29	0.26	0.24	0.04	0.03	0.03
Decatur	0.36	0.32	0.30	0.04	0.04	0.04
Graham	0.22	0.20	0.19	0.03	0.03	0.02
Norton	1.18	1.07	0.99	0.15	0.13	0.12
Rawlins	2.10	1.90	1.75	0.26	0.24	0.22
Sheridan	0.84	0.76	0.70	0.11	0.10	0.09
Sherman	1.57	1.42	1.31	0.20	0.18	0.16
Thomas	1.55	1.41	1.30	0.19	0.18	0.16
District Total	8.11	7.35	6.77	1.01	0.92	0.85
West Central District						
Gove	1.46	1.33	1.22	0.18	0.17	0.15
Greeley	0.28	0.26	0.24	0.04	0.03	0.03
Lane	0.49	0.44	0.41	0.06	0.06	0.05
Logan	1.51	1.37	1.26	0.19	0.17	0.16
Ness	0.74	0.67	0.61	0.09	0.08	0.08
Scott	0.73	0.66	0.61	0.09	0.08	0.08
Trego	0.86	0.78	0.72	0.11	0.10	0.09
Wallace	1.55	1.41	1.30	0.19	0.18	0.16
Wichita	2.73	2.48	2.28	0.34	0.31	0.29
District Total	10.36	9.39	8.65	1.29	1.17	1.08
Southwest District						
Clark	0.55	0.50	0.46	0.07	0.06	0.06
Pinney	0.37	0.34	0.31	0.05	0.04	0.04
Ford	0.29	0.26	0.24	0.04	0.03	0.03
Grant	0.20	0.18	0.17	0.02	0.02	0.02
Gray	2.19	1.98	1.83	0.27	0.25	0.23
Hamilton	1.20	1.08	1.00	0.15	0.14	0.12
Haskell	0.13	0.12	0.11	0.02	0.01	0.01
Hodgeman	0.31	0.28	0.26	0.04	0.03	0.03
Kearny	1.15	1.04	0.96	0.14	0.13	0.12
Meade	0.51	0.46	0.42	0.06	0.06	0.05
Morton	0.16	0.15	0.13	0.02	0.02	0.02
Seward	0.17	0.15	0.14	0.02	0.02	0.02
Stanton	0.22	0.19	0.18	0.03	0.02	0.02
Stevens	0.06	0.06	0.05	0.01	0.01	0.01
District Total	7.49	6.79	6.25	0.94	0.85	0.78
North Central District						
Clay	0.84	0.76	0.70	0.11	0.10	0.09
Cloud	0.94	0.85	0.79	0.12	0.11	0.10
Jewell	3.67	3.33	3.06	0.46	0.42	0.38
Mitchell	2.27	2.06	1.90	0.28	0.26	0.24
Osborne	2.15	1.95	1.79	0.27	0.24	0.22
Ottawa	0.87	0.79	0.72	0.11	0.10	0.09
Phillips	0.45	0.40	0.37	0.06	0.05	0.05
Republic	3.68	3.33	3.07	0.46	0.42	0.38
Rooks	0.27	0.25	0.23	0.03	0.03	0.03
Smith	2.06	1.87	1.72	0.26	0.23	0.21
Washington	2.59	2.35	2.16	0.32	0.29	0.27
District Total	19.80	17.94	16.52	2.47	2.24	2.07
Central District						
Barton	1.36	1.23	1.14	0.17	0.15	0.14
Dickinson	2.50	2.26	2.08	0.31	0.28	0.26
Ellis	0.48	0.44	0.40	0.06	0.05	0.05
Ellsworth	0.33	0.30	0.27	0.04	0.04	0.03
Lincoln	2.42	2.19	2.02	0.30	0.27	0.25
McPherson	4.27	3.87	3.56	0.53	0.48	0.45
Marion	1.81	1.64	1.51	0.23	0.20	0.19
Rice	1.75	1.58	1.46	0.22	0.20	0.18
Rush	0.77	0.70	0.65	0.10	0.09	0.08
Russell	0.49	0.44	0.41	0.06	0.06	0.05
Saline	0.66	0.60	0.55	0.08	0.07	0.07
District Total	16.83	15.25	14.04	2.10	1.91	1.76
South Central District						
Barber	1.44	1.30	1.20	0.18	0.16	0.15
Comanche	0.52	0.47	0.43	0.06	0.06	0.05
Edwards	0.01	0.01	0.01	0.00	0.00	0.00
Harper	3.78	3.43	3.15	0.47	0.43	0.39
Harvey	6.12	5.54	5.10	0.76	0.69	0.64
Kingman	2.03	1.84	1.70	0.25	0.23	0.21
Kiowa	0.57	0.52	0.48	0.07	0.07	0.06
Pawnee	0.79	0.72	0.66	0.10	0.09	0.08
Pratt	0.57	0.52	0.48	0.07	0.07	0.06
Reno	10.22	9.26	8.53	1.28	1.16	1.07
Sedgewick	14.78	13.40	12.34	1.85	1.68	1.54
Stafford	0.85	0.77	0.71	0.11	0.10	0.09
Sumner	4.21	3.81	3.51	0.53	0.48	0.44
District Total	45.90	41.61	38.31	5.74	5.20	4.79

Lambs on Feed (Native) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.53	0.48	0.44	0.07	0.06	0.06
Brown	0.85	0.77	0.71	0.11	0.10	0.09
Doniphan	0.63	0.57	0.52	0.08	0.07	0.07
Jackson	1.62	1.47	1.35	0.20	0.18	0.17
Jefferson	0.31	0.28	0.26	0.04	0.03	0.03
Leavenworth	0.50	0.45	0.42	0.06	0.06	0.05
Marshall	0.77	0.69	0.64	0.10	0.09	0.08
Nemaha	0.72	0.65	0.60	0.09	0.08	0.08
Pottawatomie	0.94	0.85	0.79	0.12	0.11	0.10
Riley	1.29	1.17	1.08	0.16	0.15	0.14
Wyandotte	0.09	0.08	0.07	0.01	0.01	0.01
District Total	8.24	7.47	6.88	1.03	0.93	0.86
East Central District						
Anderson	0.74	0.67	0.62	0.09	0.08	0.08
Chase	0.60	0.55	0.50	0.08	0.07	0.06
Coffey	0.33	0.30	0.28	0.04	0.04	0.03
Douglas	0.79	0.72	0.66	0.10	0.09	0.08
Franklin	1.38	1.25	1.15	0.17	0.16	0.14
Geary	0.30	0.27	0.25	0.04	0.03	0.03
Johnson	0.47	0.42	0.39	0.06	0.05	0.05
Linn	0.18	0.16	0.15	0.02	0.02	0.02
Lyon	0.35	0.32	0.29	0.04	0.04	0.04
Miami	0.55	0.50	0.46	0.07	0.06	0.06
Morris	0.43	0.39	0.36	0.05	0.05	0.04
Osage	0.86	0.78	0.72	0.11	0.10	0.09
Shawnee	0.72	0.66	0.60	0.09	0.08	0.08
Wabaunsee	3.53	3.20	2.94	0.44	0.40	0.37
District Total	11.24	10.19	9.38	1.40	1.27	1.17
Southeast District						
Allen	0.57	0.52	0.48	0.07	0.06	0.06
Bourbon	0.49	0.45	0.41	0.06	0.06	0.05
Butler	1.78	1.62	1.49	0.22	0.20	0.19
Chautauqua	0.54	0.49	0.45	0.07	0.06	0.06
Cherokee	0.12	0.11	0.10	0.01	0.01	0.01
Cowley	2.88	2.61	2.40	0.36	0.33	0.30
Crawford	0.77	0.69	0.64	0.10	0.09	0.08
Elk	0.55	0.49	0.46	0.07	0.06	0.06
Greenwood	0.44	0.40	0.37	0.06	0.05	0.05
Labette	0.76	0.69	0.63	0.09	0.09	0.08
Montgomery	0.48	0.44	0.40	0.06	0.05	0.05
Neosho	0.46	0.42	0.39	0.06	0.05	0.05
Wilson	0.50	0.45	0.42	0.06	0.06	0.05
Woodson	0.69	0.63	0.58	0.09	0.08	0.07
District Total	11.04	10.01	9.21	1.38	1.25	1.15
State Total	139.00	126.00	116.00	17.38	15.75	14.50

Lambs on Feed (Shipped-In) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FWT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.14	0.11	0.10	0.02	0.01	0.01
Decatur	0.17	0.14	0.13	0.02	0.02	0.01
Graham	0.11	0.09	0.08	0.01	0.01	0.01
Norton	0.57	0.48	0.42	0.06	0.05	0.05
Rawlins	1.01	0.84	0.74	0.11	0.09	0.08
Sheridan	0.41	0.34	0.30	0.04	0.04	0.03
Sherman	0.76	0.63	0.55	0.08	0.07	0.06
Thomas	0.75	0.63	0.55	0.08	0.07	0.06
District Total	3.91	3.27	2.86	0.43	0.36	0.31
West Central District						
Gove	0.71	0.59	0.52	0.08	0.06	0.06
Greeley	0.14	0.11	0.10	0.01	0.01	0.01
Lane	0.24	0.20	0.17	0.03	0.02	0.02
Logan	0.73	0.61	0.53	0.08	0.07	0.06
Ness	0.35	0.30	0.26	0.04	0.03	0.03
Scott	0.35	0.29	0.26	0.04	0.03	0.03
Trego	0.41	0.35	0.30	0.05	0.04	0.03
Wallace	0.75	0.63	0.55	0.08	0.07	0.06
Wichita	1.32	1.10	0.96	0.14	0.12	0.11
District Total	4.99	4.17	3.65	0.55	0.46	0.40
Southwest District						
Clark	0.27	0.22	0.19	0.03	0.02	0.02
Finney	0.18	0.15	0.13	0.02	0.02	0.01
Ford	0.14	0.12	0.10	0.02	0.01	0.01
Grant	0.10	0.08	0.07	0.01	0.01	0.01
Gray	1.05	0.88	0.77	0.12	0.10	0.08
Barnett	0.58	0.48	0.42	0.06	0.05	0.05
Baskell	0.06	0.05	0.05	0.01	0.01	0.00
Hodgeman	0.15	0.12	0.11	0.02	0.01	0.01
Kearny	0.55	0.46	0.41	0.06	0.05	0.04
Meade	0.25	0.20	0.18	0.03	0.02	0.02
Morton	0.08	0.06	0.06	0.01	0.01	0.01
Seward	0.08	0.07	0.06	0.01	0.01	0.01
Stanton	0.10	0.09	0.08	0.01	0.01	0.01
Stevens	0.03	0.02	0.02	0.00	0.00	0.00
District Total	3.61	3.02	2.64	0.40	0.33	0.29
North Central District						
Clay	0.41	0.34	0.30	0.04	0.04	0.03
Cloud	0.45	0.38	0.33	0.05	0.04	0.04
Jewell	1.77	1.48	1.29	0.19	0.16	0.14
Mitchell	1.10	0.92	0.80	0.12	0.10	0.09
Osborne	1.03	0.86	0.76	0.11	0.09	0.08
Ottawa	0.42	0.35	0.31	0.05	0.04	0.03
Phillips	0.22	0.18	0.16	0.02	0.02	0.02
Republic	1.77	1.48	1.30	0.19	0.16	0.14
Rooks	0.13	0.11	0.10	0.01	0.01	0.01
Smith	0.99	0.83	0.73	0.11	0.09	0.08
Washington	1.25	1.04	0.91	0.14	0.11	0.10
District Total	9.54	7.98	6.98	1.04	0.87	0.76
Central District						
Barton	0.66	0.55	0.48	0.07	0.06	0.05
Dickinson	1.20	1.01	0.88	0.13	0.11	0.10
Ellis	0.23	0.19	0.17	0.03	0.02	0.02
Ellsworth	0.16	0.13	0.12	0.02	0.01	0.01
Lincoln	1.17	0.97	0.85	0.13	0.11	0.09
McPherson	2.06	1.72	1.50	0.23	0.19	0.16
Marion	0.87	0.73	0.64	0.10	0.08	0.07
Rice	0.84	0.70	0.62	0.09	0.08	0.07
Rush	0.37	0.31	0.27	0.04	0.03	0.03
Russell	0.24	0.20	0.17	0.03	0.02	0.02
Saline	0.32	0.26	0.23	0.03	0.03	0.03
District Total	8.11	6.78	5.93	0.89	0.74	0.65
South Central District						
Barber	0.69	0.58	0.51	0.08	0.06	0.06
Comanche	0.25	0.21	0.18	0.03	0.02	0.02
Edwards	0.00	0.00	0.00	0.00	0.00	0.00
Harper	1.82	1.52	1.33	0.20	0.17	0.15
Harvey	2.95	2.46	2.16	0.32	0.27	0.24
Kingman	0.98	0.82	0.72	0.11	0.09	0.08
Kiowa	0.28	0.23	0.20	0.03	0.03	0.02
Pawnee	0.38	0.32	0.28	0.04	0.04	0.03
Pratt	0.28	0.23	0.20	0.03	0.03	0.02
Reno	4.93	4.12	3.60	0.54	0.45	0.39
Sedgwick	7.13	5.96	5.21	0.78	0.65	0.57
Stafford	0.41	0.34	0.30	0.04	0.04	0.03
Sumner	2.03	1.69	1.48	0.22	0.19	0.16
District Total	22.13	18.49	16.18	2.42	2.02	1.77

Lambs on Feed (Shipped-In) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.26	0.21	0.19	0.03	0.02	0.02
Brown	0.41	0.34	0.30	0.04	0.04	0.03
Doniphan	0.30	0.25	0.22	0.03	0.03	0.02
Jackson	0.78	0.65	0.57	0.09	0.07	0.06
Jefferson	0.15	0.12	0.11	0.02	0.01	0.01
Leavenworth	0.24	0.20	0.18	0.03	0.02	0.02
Marshall	0.37	0.31	0.27	0.04	0.03	0.03
Nemaha	0.35	0.29	0.25	0.04	0.03	0.03
Pottawatomie	0.45	0.38	0.33	0.05	0.04	0.04
Riley	0.62	0.52	0.46	0.07	0.06	0.05
Wyandotte	0.04	0.03	0.03	0.00	0.00	0.00
District Total	3.97	3.32	2.91	0.44	0.36	0.32
East Central District						
Anderson	0.36	0.30	0.26	0.04	0.03	0.03
Chase	0.29	0.24	0.21	0.03	0.03	0.02
Coffey	0.16	0.13	0.12	0.02	0.01	0.01
Douglas	0.38	0.32	0.28	0.04	0.03	0.03
Franklin	0.67	0.56	0.49	0.07	0.06	0.05
Geary	0.14	0.12	0.10	0.02	0.01	0.01
Johnson	0.23	0.19	0.16	0.02	0.02	0.02
Linn	0.09	0.07	0.06	0.01	0.01	0.01
Lyon	0.17	0.14	0.12	0.02	0.02	0.01
Miami	0.27	0.22	0.19	0.03	0.02	0.02
Morris	0.21	0.17	0.15	0.02	0.02	0.02
Osage	0.42	0.35	0.30	0.05	0.04	0.03
Shawnee	0.35	0.29	0.26	0.04	0.03	0.03
Wabaunsee	1.70	1.42	1.24	0.19	0.16	0.14
District Total	5.42	4.53	3.96	0.59	0.50	0.43
Southeast District						
Allen	0.28	0.23	0.20	0.03	0.03	0.02
Bourbon	0.24	0.20	0.17	0.03	0.02	0.02
Butler	0.86	0.72	0.63	0.09	0.08	0.07
Chautauqua	0.26	0.22	0.19	0.03	0.02	0.02
Cherokee	0.06	0.05	0.04	0.01	0.01	0.00
Cowley	1.39	1.16	1.01	0.15	0.13	0.11
Crawford	0.37	0.31	0.27	0.04	0.03	0.03
Elk	0.26	0.22	0.19	0.03	0.02	0.02
Greenwood	0.21	0.18	0.16	0.02	0.02	0.02
Labette	0.36	0.30	0.27	0.04	0.03	0.03
Montgomery	0.23	0.19	0.17	0.03	0.02	0.02
Neosho	0.22	0.19	0.16	0.02	0.02	0.02
Wilson	0.24	0.20	0.18	0.03	0.02	0.02
Woodson	0.33	0.28	0.24	0.04	0.03	0.03
District Total	5.32	4.45	3.89	0.58	0.49	0.43
State Total	67.00	56.00	49.00	7.34	6.13	5.37

Hens and Pullets Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	1.45	1.31	1.20	0.08	0.07	0.07
Decatur	6.18	5.55	5.08	0.34	0.31	0.28
Graham	2.75	2.47	2.26	0.15	0.14	0.12
Norton	4.67	4.20	3.85	0.26	0.23	0.21
Rawlins	12.57	11.29	10.35	0.69	0.62	0.57
Sheridan	8.07	7.25	6.64	0.44	0.40	0.37
Sherman	1.83	1.65	1.51	0.10	0.09	0.08
Thomas	2.62	2.36	2.16	0.14	0.13	0.12
District Total	40.14	36.07	33.04	2.21	1.98	1.82
West Central District						
Gove	3.04	2.73	2.50	0.17	0.15	0.14
Greeley	7.77	6.99	6.40	0.43	0.38	0.35
Lane	1.50	1.35	1.24	0.08	0.07	0.07
Logan	1.27	1.14	1.04	0.07	0.06	0.06
Ness	23.75	21.34	19.54	1.31	1.17	1.07
Scott	1.60	1.43	1.31	0.09	0.08	0.07
Trego	14.59	13.11	12.01	0.80	0.72	0.66
Wallace	1.24	1.12	1.02	0.07	0.06	0.06
Wichita	1.79	1.61	1.47	0.10	0.09	0.08
District Total	56.55	50.81	46.54	3.11	2.79	2.56
Southwest District						
Clark	1.22	1.09	1.00	0.07	0.06	0.06
Finney	2.36	2.12	1.94	0.13	0.12	0.11
Ford	12.54	11.27	10.32	0.69	0.62	0.57
Grant	2.27	2.04	1.87	0.12	0.11	0.10
Gray	1.75	1.57	1.44	0.10	0.09	0.08
Hamilton	0.82	0.74	0.68	0.05	0.04	0.04
Haskell	0.48	0.44	0.40	0.03	0.02	0.02
Hodgeman	1.83	1.64	1.50	0.10	0.09	0.08
Kearny	1.34	1.21	1.10	0.07	0.07	0.06
Meade	1.58	1.42	1.30	0.09	0.08	0.07
Morton	1.29	1.16	1.06	0.07	0.06	0.06
Seward	0.71	0.64	0.58	0.04	0.03	0.03
Stanton	0.84	0.75	0.69	0.05	0.04	0.04
Stevens	0.93	0.83	0.76	0.05	0.05	0.04
District Total	29.95	26.91	24.65	1.65	1.48	1.36
North Central District						
Clay	135.37	121.65	111.43	7.45	6.69	6.13
Cloud	3.55	3.19	2.92	0.20	0.18	0.16
Jewell	7.40	6.65	6.09	0.41	0.37	0.34
Mitchell	2.87	2.58	2.36	0.16	0.14	0.13
Osborne	4.92	4.42	4.05	0.27	0.24	0.22
Ottawa	4.40	3.96	3.62	0.24	0.22	0.20
Phillips	6.68	6.00	5.50	0.37	0.33	0.30
Republic	15.28	13.73	12.58	0.84	0.76	0.69
Rooks	3.66	3.29	3.02	0.20	0.18	0.17
Smith	6.25	5.62	5.14	0.34	0.31	0.28
Washington	22.53	20.24	18.54	1.24	1.11	1.02
District Total	212.91	191.32	175.25	11.71	10.52	9.64
Central District						
Barton	49.20	44.21	40.50	2.71	2.43	2.23
Dickinson	65.25	58.63	53.71	3.59	3.22	2.95
Ellis	7.75	6.96	6.38	0.43	0.38	0.35
Ellsworth	7.79	7.00	6.41	0.43	0.39	0.35
Lincoln	5.30	4.76	4.36	0.29	0.26	0.24
McPherson	219.84	197.55	180.95	12.09	10.87	9.95
Marion	161.87	145.45	133.23	8.90	8.00	7.33
Rice	4.14	3.72	3.40	0.23	0.20	0.19
Rush	10.07	9.05	8.29	0.55	0.50	0.46
Russell	5.35	4.81	4.41	0.29	0.26	0.24
Saline	9.34	8.40	7.69	0.51	0.46	0.42
District Total	545.90	490.54	449.33	30.02	26.98	24.71
South Central District						
Barber	1.92	1.73	1.58	0.11	0.10	0.09
Comanche	0.71	0.64	0.58	0.04	0.03	0.03
Edwards	0.01	0.01	0.01	0.00	0.00	0.00
Harper	103.18	92.72	84.93	5.68	5.10	4.67
Harvey	149.71	134.53	123.23	8.23	7.40	6.78
Kingman	18.98	17.06	15.62	1.04	0.94	0.86
Kiowa	16.16	14.52	13.30	0.89	0.80	0.73
Pawnee	2.95	2.65	2.43	0.16	0.15	0.13
Pratt	28.20	25.34	23.22	1.55	1.39	1.28
Reno	364.91	327.91	300.36	20.07	18.03	16.52
Sedgwick	161.93	145.51	133.29	8.91	8.00	7.33
Stafford	9.31	8.37	7.66	0.51	0.46	0.42
Sumner	9.21	8.27	7.58	0.51	0.46	0.42
District Total	867.20	779.26	713.79	47.70	42.86	39.26

Bens and Pullets Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	14.26	12.81	11.74	0.78	0.70	0.65
Brown	5.35	4.81	4.41	0.29	0.26	0.24
Doniphan	7.20	6.47	5.93	0.40	0.36	0.33
Jackson	47.82	42.98	39.36	2.63	2.36	2.17
Jefferson	6.96	6.26	5.73	0.38	0.34	0.32
Leavenworth	25.72	23.11	21.17	1.41	1.27	1.16
Marshall	29.89	26.86	24.60	1.64	1.48	1.35
Nemaha	70.73	63.55	58.21	3.89	3.50	3.20
Pottawatomie	13.88	12.47	11.42	0.76	0.69	0.63
Riley	20.79	18.69	17.12	1.14	1.03	0.94
Wyandotte	5.69	5.11	4.68	0.31	0.28	0.26
District Total	248.30	223.12	204.37	13.66	12.27	11.24
East Central District						
Anderson	45.72	41.09	37.64	2.51	2.26	2.07
Chase	41.34	37.15	34.03	2.27	2.04	1.87
Coffey	68.56	61.61	56.43	3.77	3.39	3.10
Douglas	11.20	10.06	9.21	0.62	0.55	0.51
Franklin	8.61	7.74	7.09	0.47	0.43	0.39
Geary	4.59	4.13	3.78	0.25	0.23	0.21
Johnson	12.62	11.34	10.38	0.69	0.62	0.57
Linn	4.86	4.36	4.00	0.27	0.24	0.22
Lyon	118.98	106.92	97.93	6.54	5.88	5.39
Miami	17.36	15.60	14.29	0.95	0.86	0.79
Morris	6.11	5.49	5.03	0.34	0.30	0.28
Osage	7.30	6.56	6.01	0.40	0.36	0.33
Shawnee	30.79	27.66	25.34	1.69	1.52	1.39
Wabaunsee	200.26	179.96	164.84	11.01	9.90	9.07
District Total	578.30	519.66	476.00	31.81	28.58	26.18
Southeast District						
Allen	7.45	6.69	6.13	0.41	0.37	0.34
Bourbon	7.33	6.59	6.03	0.40	0.36	0.33
Butler	43.11	38.74	35.49	2.37	2.13	1.95
Chautauqua	3.62	3.26	2.98	0.20	0.18	0.16
Cherokee	5.08	4.56	4.18	0.28	0.25	0.23
Cowley	8.63	7.76	7.10	0.47	0.43	0.39
Crawford	4.08	3.66	3.36	0.22	0.20	0.18
Elk	7.45	6.70	6.13	0.41	0.37	0.34
Greenwood	2.61	2.35	2.15	0.14	0.13	0.12
Labette	4.91	4.41	4.04	0.27	0.24	0.22
Montgomery	8.26	7.43	6.80	0.45	0.41	0.37
Neosho	9.98	8.97	8.21	0.55	0.49	0.45
Wilson	6.18	5.55	5.08	0.34	0.31	0.28
Woodson	4.06	3.65	3.34	0.22	0.20	0.18
District Total	122.75	110.30	101.04	6.75	6.07	5.56
State Total	2702.00	2428.00	2224.00	148.61	133.54	122.32

Other Chicken Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PCT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	1.69	1.53	1.13	0.05	0.04	0.03
Decatur	7.19	6.50	4.81	0.20	0.18	0.13
Graham	3.20	2.89	2.14	0.09	0.08	0.06
Norton	5.44	4.91	3.64	0.15	0.14	0.10
Rawlins	14.64	13.22	9.79	0.40	0.36	0.27
Sheridan	9.40	8.49	6.28	0.26	0.23	0.17
Sherman	2.13	1.93	1.43	0.06	0.05	0.04
Thomas	3.06	2.76	2.04	0.08	0.08	0.06
District Total	46.75	42.22	31.26	1.29	1.16	0.86
West Central District						
Gove	3.54	3.19	2.36	0.10	0.09	0.07
Greeley	9.05	8.18	6.05	0.25	0.22	0.17
Lane	1.75	1.58	1.17	0.05	0.04	0.03
Logan	1.48	1.34	0.99	0.04	0.04	0.03
Ness	27.66	24.98	18.49	0.76	0.69	0.51
Scott	1.86	1.68	1.24	0.05	0.05	0.03
Trego	16.99	15.35	11.36	0.47	0.42	0.31
Wallace	1.45	1.31	0.97	0.04	0.04	0.03
Wichita	2.08	1.88	1.39	0.06	0.05	0.04
District Total	65.86	59.48	44.03	1.81	1.64	1.21
Southwest District						
Clark	1.42	1.28	0.95	0.04	0.04	0.03
Finney	2.74	2.48	1.83	0.08	0.07	0.05
Ford	14.61	13.19	9.77	0.40	0.36	0.27
Grant	2.64	2.39	1.77	0.07	0.07	0.05
Gray	2.03	1.84	1.36	0.06	0.05	0.04
Hamilton	0.96	0.87	0.64	0.03	0.02	0.02
Haskell	0.56	0.51	0.38	0.02	0.01	0.01
Hodgeman	2.13	1.92	1.42	0.06	0.05	0.04
Kearny	1.56	1.41	1.04	0.04	0.04	0.03
Meade	1.84	1.66	1.23	0.05	0.05	0.03
Morton	1.50	1.36	1.00	0.04	0.04	0.03
Seward	0.82	0.74	0.55	0.02	0.02	0.02
Stanton	0.98	0.88	0.65	0.03	0.02	0.02
Stevens	1.08	0.98	0.72	0.03	0.03	0.02
District Total	34.88	31.50	23.32	0.96	0.87	0.64
North Central District						
Clay	157.67	142.39	105.41	4.34	3.92	2.90
Cloud	4.13	3.73	2.76	0.11	0.10	0.08
Jewell	8.62	7.78	5.76	0.24	0.21	0.16
Mitchell	3.34	3.01	2.23	0.09	0.08	0.06
Osborne	5.73	5.18	3.83	0.16	0.14	0.11
Ottoe	5.13	4.63	3.43	0.14	0.13	0.09
Phillips	7.78	7.03	5.20	0.21	0.19	0.14
Republic	17.79	16.07	11.90	0.49	0.44	0.33
Rooks	4.27	3.85	2.85	0.12	0.11	0.08
Smith	7.28	6.57	4.87	0.20	0.18	0.13
Washington	26.24	23.70	17.54	0.72	0.65	0.48
District Total	247.98	223.94	165.79	6.82	6.16	4.56
Central District						
Barton	57.30	51.75	38.31	1.58	1.42	1.05
Dickinson	76.00	68.63	50.81	2.09	1.89	1.40
Ellis	9.02	8.15	6.03	0.25	0.22	0.17
Ellsworth	9.08	8.20	6.07	0.25	0.23	0.17
Lincoln	6.17	5.57	4.13	0.17	0.15	0.11
McPherson	256.05	231.23	171.19	7.04	6.36	4.71
Marion	188.53	170.25	126.04	5.18	4.68	3.47
Rice	4.82	4.35	3.22	0.13	0.12	0.09
Rush	11.73	10.59	7.84	0.32	0.29	0.22
Russell	6.23	5.63	4.17	0.17	0.15	0.11
Saline	10.88	9.83	7.28	0.30	0.27	0.20
District Total	635.80	574.18	425.08	17.48	15.79	11.69
South Central District						
Barber	2.24	2.02	1.50	0.06	0.06	0.04
Comanche	0.82	0.74	0.55	0.02	0.02	0.02
Edwards	0.02	0.02	0.01	0.00	0.00	0.00
Harper	120.18	108.53	80.35	3.30	2.98	2.21
Harvey	174.37	157.47	116.58	4.80	4.33	3.21
Kingman	22.11	19.97	14.78	0.61	0.55	0.41
Kiowa	18.82	17.00	12.58	0.52	0.47	0.35
Pawnee	3.44	3.10	2.30	0.09	0.09	0.06
Pratt	32.85	29.67	21.96	0.90	0.82	0.60
Reno	425.01	383.82	284.15	11.69	10.56	7.81
Sedgwick	188.60	170.32	126.09	5.19	4.68	3.47
Stafford	10.84	9.79	7.25	0.30	0.27	0.20
Sumner	10.72	9.68	7.17	0.29	0.27	0.20
District Total	1010.02	912.13	675.27	27.78	25.08	18.57

Other Chicken Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PCT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	16.61	15.00	11.10	0.46	0.41	0.31
Brown	6.23	5.63	4.17	0.17	0.15	0.11
Doniphan	8.39	7.58	5.61	0.23	0.21	0.15
Jackson	55.70	50.30	37.24	1.53	1.38	1.02
Jefferson	8.11	7.32	5.42	0.22	0.20	0.15
Leavenworth	29.96	27.05	20.03	0.82	0.74	0.55
Marshall	34.81	31.44	23.27	0.96	0.86	0.64
Nemaha	82.37	74.39	55.07	2.27	2.05	1.51
Pottawatomie	16.16	14.60	10.81	0.44	0.40	0.30
Riley	24.22	21.87	16.19	0.67	0.60	0.45
Wyandotte	6.62	5.98	4.43	0.18	0.16	0.12
District Total	289.19	261.16	193.34	7.95	7.18	5.32
East Central District						
Anderson	53.25	48.09	35.60	1.46	1.32	0.98
Chase	48.15	43.48	32.19	1.32	1.20	0.89
Coffey	79.85	72.11	53.39	2.20	1.98	1.47
Douglas	13.04	11.78	8.72	0.36	0.32	0.24
Franklin	10.03	9.06	6.71	0.28	0.25	0.18
Geary	5.35	4.83	3.58	0.15	0.13	0.10
Johnson	14.69	13.27	9.82	0.40	0.36	0.27
Linn	5.65	5.11	3.78	0.16	0.14	0.10
Lyon	138.58	125.15	92.65	3.81	3.44	2.55
Miami	20.22	18.26	13.52	0.56	0.50	0.37
Morris	7.12	6.43	4.76	0.20	0.18	0.13
Osage	8.50	7.68	5.69	0.23	0.21	0.16
Shawnee	35.86	32.38	23.97	0.99	0.89	0.66
Wabaunsee	233.25	210.64	155.94	6.41	5.79	4.29
District Total	673.54	608.26	450.31	18.52	16.73	12.38
Southeast District						
Allen	8.67	7.83	5.80	0.24	0.22	0.16
Bourbon	8.54	7.71	5.71	0.23	0.21	0.16
Butler	50.21	45.35	33.57	1.38	1.25	0.92
Chautauqua	4.22	3.81	2.82	0.12	0.10	0.08
Cherokee	5.91	5.34	3.95	0.16	0.15	0.11
Cowley	10.05	9.08	6.72	0.28	0.25	0.18
Crawford	4.75	4.29	3.17	0.13	0.12	0.09
Elk	8.68	7.84	5.80	0.24	0.22	0.16
Greenwood	3.04	2.75	2.03	0.08	0.08	0.06
Labette	5.72	5.16	3.82	0.16	0.14	0.11
Montgomery	9.63	8.69	6.44	0.26	0.24	0.18
Neosho	11.62	10.50	7.77	0.32	0.29	0.21
Wilson	7.19	6.50	4.81	0.20	0.18	0.13
Woodson	4.73	4.27	3.16	0.13	0.12	0.09
District Total	142.97	129.11	95.58	3.93	3.55	2.63
State Total	3147.00	2842.00	2104.00	86.54	78.16	57.86

Appendix E
Crop and Animal Projections by County, Forecast Method,
Years 1989/1990, 1999/2000 and 2009/2010

Corn Projections (Forecast Method) by County for Years 1989, 1999 & 2009.

Crop Reporting District	Projections (000 bu)			Projections (000 FUT)		
	1989	1999	2009	1989	1999	2009
Northwest District						
Cheyenne	2486	2842	3286	69.62	79.57	92.00
Decatur	1291	1476	1707	36.16	41.33	47.78
Graham	531	607	702	14.87	17.00	19.65
Norton	657	751	868	18.39	21.02	24.30
Rawlins	771	881	1019	21.60	24.68	28.54
Sheridan	4986	5698	6588	139.60	159.55	184.48
Sherman	6136	7012	8108	171.80	196.34	227.02
Thomas	6694	7651	8846	187.44	214.22	247.69
District Total	23553	26918	31124	659.49	753.70	871.47
West Central District						
Gove	540	617	713	15.12	17.27	19.97
Greeley	1619	1850	2139	45.33	51.81	59.90
Lane	416	476	550	11.66	13.33	15.41
Logan	837	956	1106	23.43	26.78	30.96
Ness	47	54	63	1.33	1.52	1.75
Scott	2440	2789	3225	68.33	78.09	90.29
Trego	131	150	173	3.67	4.19	4.85
Wallace	4036	4612	5333	113.00	129.15	149.33
Wichita	3917	4476	5175	109.66	125.33	144.91
District Total	13983	15981	18478	391.53	447.46	517.38
Southwest District						
Clark	39	44	51	1.08	1.24	1.43
Finney	10172	11625	13442	284.82	325.51	376.37
Ford	4797	5482	6338	134.31	153.49	177.47
Grant	5298	6055	7001	148.34	169.53	196.02
Gray	10210	11668	13491	285.87	326.71	377.75
Hamilton	728	833	963	20.40	23.31	26.95
Haskell	13570	15509	17932	379.97	434.25	502.10
Hodgeman	350	400	463	9.81	11.21	12.97
Kearny	3622	4140	4787	101.43	115.92	134.03
Meade	3212	3671	4245	89.95	102.80	118.86
Morton	544	622	719	15.23	17.41	20.13
Seward	1980	2263	2617	55.45	63.37	73.28
Stanton	5635	6440	7446	157.78	180.32	208.50
Stevens	2786	3184	3681	78.00	89.14	103.07
District Total	62944	71936	83176	1762.43	2014.20	2328.92
North Central District						
Clay	1368	1563	1807	38.30	43.77	50.60
Cloud	972	1111	1284	27.21	31.10	35.95
Jewell	980	1119	1294	27.43	31.34	36.24
Mitchell	250	286	331	7.01	8.01	9.27
Osborne	219	250	289	6.13	7.01	8.10
Ottawa	179	204	236	5.00	5.71	6.61
Phillips	541	618	715	15.15	17.32	20.02
Republic	5155	5891	6812	144.34	164.96	190.73
Rooks	159	182	210	4.46	5.09	5.89
Smith	389	444	514	10.89	12.44	14.39
Washington	1230	1406	1626	34.45	39.37	45.52
District Total	11441	13076	15119	320.35	366.12	423.32
Central District						
Barton	1427	1631	1886	39.97	45.67	52.81
Dickinson	236	270	312	6.61	7.55	8.73
Ellis	118	135	156	3.30	3.77	4.36
Ellsworth	33	38	44	0.93	1.07	1.23
Lincoln	33	38	44	0.93	1.06	1.23
McPherson	1179	1347	1558	33.01	37.73	43.62
Marion	223	255	294	6.24	7.13	8.24
Rice	937	1071	1238	26.23	29.98	34.66
Rush	139	159	184	3.90	4.46	5.15
Russell	13	15	17	0.37	0.42	0.49
Saline	147	169	195	4.13	4.72	5.46
District Total	4486	5127	5928	125.62	143.56	165.99
South Central District						
Barber	64	73	85	1.80	2.06	2.38
Comanche	43	49	57	1.21	1.38	1.60
Edwards	3619	4136	4762	101.32	115.80	133.89
Harper	24	28	32	0.68	0.78	0.90
Harvey	870	994	1150	24.36	27.84	32.19
Kingman	263	301	348	7.37	8.43	9.74
Kiowa	1285	1468	1698	35.98	41.12	47.54
Pawnee	1060	1211	1401	29.68	33.92	39.22
Pratt	2871	3281	3794	80.38	91.87	106.22
Reno	559	638	738	15.64	17.88	20.67
Sedgewick	1818	2078	2403	50.91	58.19	67.28
Stafford	2892	3306	3822	80.99	92.56	107.02
Sumner	100	114	132	2.79	3.19	3.69
District Total	15469	17678	20441	433.12	495.00	572.34

Corn Projections (Forecast Method) by County for Years 1989, 1999 & 2009.

Crop Reporting District	Projections (000 bu)			Projections (000 FUT)		
	1989	1999	2009	1989	1999	2009
Northeast District						
Atchison	1523	1740	2012	42.64	48.73	56.34
Brown	4788	5472	6327	134.07	153.23	177.17
Doniphan	6160	7040	8140	172.47	197.11	227.91
Jackson	970	1109	1282	27.16	31.04	35.89
Jefferson	2115	2417	2795	59.21	67.67	78.25
Leavenworth	1354	1547	1789	37.91	43.32	50.09
Marshall	607	693	801	16.98	19.41	22.44
Nemaha	1157	1322	1529	32.39	37.02	42.80
Pottawatomie	1596	1824	2109	44.68	51.06	59.04
Riley	451	516	596	12.64	14.44	16.70
Wyandotte	555	635	734	15.55	17.77	20.54
District Total	21275	24314	28113	595.70	680.80	787.17
East Central District						
Anderson	1163	1330	1537	32.58	37.23	43.05
Chase	154	176	204	4.32	4.94	5.71
Coffey	572	654	756	16.03	18.32	21.18
Douglas	1353	1546	1788	37.88	43.29	50.06
Franklin	1204	1376	1591	33.71	38.53	44.55
Geary	126	145	167	3.54	4.05	4.68
Johnson	907	1037	1199	25.40	29.03	33.57
Linn	402	459	531	11.25	12.86	14.87
Lyon	631	721	833	17.66	20.18	23.33
Miami	996	1139	1317	27.90	31.88	36.87
Morris	206	235	272	5.76	6.58	7.61
Osage	413	472	545	11.55	13.20	15.27
Shawnee	2836	3241	3748	79.41	90.75	104.93
Wabaunsee	644	736	851	18.03	20.60	23.82
District Total	11608	13266	15339	325.02	371.45	429.49
Southeast District						
Allen	385	440	508	10.77	12.31	14.24
Bourbon	448	512	592	12.54	14.34	16.58
Butler	188	215	248	5.26	6.01	6.95
Chautauqua	76	87	101	2.13	2.44	2.82
Cherokee	264	301	349	7.39	8.44	9.76
Cowley	19	22	25	0.53	0.61	0.70
Crawford	490	560	647	13.71	15.67	18.12
Elk	28	32	37	0.78	0.89	1.03
Greenwood	105	120	139	2.94	3.37	3.89
Labette	265	303	351	7.43	8.49	9.82
Montgomery	390	445	515	10.91	12.47	14.42
Neosho	287	328	379	8.03	9.17	10.61
Wilson	186	212	245	5.20	5.94	6.87
Woodson	111	127	147	3.11	3.55	4.10
District Total	3241	3704	4283	90.75	103.71	119.92
State	168000	192000	222000	4704.00	5376.00	6216.00

Grain Sorghum Projections (Forecast Method) by County for Years 1989, 1999 & 2009.

Crop Reporting District	Projections (000 bu)			Projections (000 FUT)		
	1989	1999	2009	1989	1999	2009
Northwest District						
Cheyenne	789	871	922	22.09	24.39	25.80
Decatur	2027	2237	2367	56.74	62.64	66.28
Graham	1175	1297	1373	32.90	36.33	38.43
Norton	1554	1716	1816	43.52	48.05	50.83
Rawlins	1925	2125	2248	53.89	59.49	62.94
Sheridan	2362	2608	2759	66.14	73.02	77.25
Sherman	741	818	865	20.74	22.90	24.23
Thomas	2595	2865	3031	72.67	80.22	84.87
District Total	13168	14537	15380	368.70	407.04	430.64
West Central District						
Gove	1890	2087	2208	52.93	58.43	61.82
Greeley	1024	1130	1196	28.67	31.65	33.49
Lane	1309	1445	1529	36.65	40.47	42.81
Logan	1044	1152	1219	29.22	32.26	34.13
Ness	1201	1326	1403	33.64	37.14	39.29
Scott	2306	2546	2693	64.56	71.28	75.41
Trego	1182	1305	1381	33.09	36.54	38.65
Wallace	844	932	986	23.64	26.09	27.61
Wichita	2349	2594	2744	65.78	72.63	76.84
District Total	13150	14517	15359	368.19	406.48	430.04
Southwest District						
Clark	363	401	424	10.16	11.22	11.87
Finney	5004	5524	5844	140.10	154.67	163.64
Ford	3882	4286	4534	108.70	120.00	126.96
Grant	4616	5096	5391	129.25	142.69	150.96
Gray	4514	4983	5272	126.39	139.53	147.62
Hamilton	1223	1351	1429	34.25	37.81	40.01
Haskell	4162	4594	4861	116.52	128.64	136.10
Hodgeman	1370	1512	1600	38.36	42.35	44.80
Kearny	1645	1816	1921	46.06	50.85	53.80
Meade	5374	5933	6276	150.46	166.11	175.74
Morton	4449	4912	5197	124.58	137.54	145.51
Seward	4607	5086	5381	129.00	142.42	150.67
Stanton	3421	3776	3995	95.78	105.74	111.87
Stevens	9269	10233	10826	259.52	286.51	303.12
District Total	53898	59503	62953	1509.14	1666.09	1762.67
North Central District						
Clay	2573	2840	3005	72.03	79.53	84.14
Cloud	2584	2853	3018	72.36	79.88	84.51
Jewell	4349	4801	5080	121.77	134.44	142.23
Mitchell	2685	2964	3136	75.18	83.00	87.81
Osborne	1642	1813	1918	45.99	50.77	53.71
Ottawa	873	964	1020	24.45	27.00	28.56
Phillips	1604	1771	1873	44.91	49.58	52.45
Republic	4504	4972	5261	126.11	139.23	147.30
Rooks	1098	1212	1283	30.75	33.95	35.92
Smith	4147	4578	4844	116.11	128.19	135.62
Washington	7280	8037	8503	203.84	225.04	238.09
District Total	33340	36807	38941	933.51	1030.60	1090.34
Central District						
Barton	3050	3368	3563	85.41	94.30	99.76
Dickinson	2970	3279	3469	83.16	91.81	97.13
Ellis	851	940	994	23.83	26.31	27.84
Ellsworth	1070	1181	1250	29.96	33.07	34.99
Lincoln	1296	1430	1513	36.28	40.05	42.37
McPherson	3762	4153	4394	105.34	116.29	123.04
Marion	4417	4876	5159	123.67	136.53	144.45
Rice	4037	4457	4716	113.05	124.80	132.04
Rush	1439	1588	1680	40.28	44.47	47.05
Russell	958	1058	1119	26.82	29.61	31.33
Saline	1186	1310	1386	33.22	36.68	38.80
District Total	25037	27640	29243	701.02	773.93	818.80
South Central District						
Barber	329	364	385	9.22	10.18	10.77
Comanche	448	494	523	12.53	13.84	14.64
Edwards	2600	2871	3037	72.80	80.38	85.04
Harper	311	343	363	8.70	9.60	10.16
Harvey	3617	3993	4224	101.27	111.80	118.28
Kingman	1043	1152	1218	29.21	32.25	34.12
Kiowa	2020	2230	2360	56.57	62.45	66.07
Pawnee	3534	3902	4128	98.96	109.25	115.58
Pratt	2870	3169	3352	80.37	88.73	93.87
Reno	5575	6155	6512	156.11	172.35	182.34
Sedgwick	3819	4216	4460	106.92	118.04	124.89
Stafford	3799	4194	4437	106.37	117.44	124.25
Sumner	1405	1551	1641	39.34	43.43	45.95
District Total	31370	34633	36641	878.37	969.72	1025.94

Grain Sorghum Projections (Forecast Method) by County for Years 1989, 1999 & 2009.

Crop Reporting District	Projections (000 bu)			Projections (000 FUT)		
	1989	1999	2009	1989	1999	2009
Northeast District						
Atchison	2838	3133	3315	79.47	87.74	92.82
Brown	3658	4038	4272	102.42	113.07	119.63
Doniphan	1073	1184	1253	30.04	33.16	35.09
Jackson	2256	2491	2635	63.17	69.74	73.78
Jefferson	2151	2375	2512	60.22	66.49	70.34
Leavenworth	1571	1734	1835	43.99	48.56	51.38
Marshall	6948	7670	8115	194.53	214.76	227.22
Nemaha	6521	7199	7617	182.59	201.58	213.27
Pottawatomie	2787	3077	3256	78.05	86.17	91.16
Riley	1954	2157	2282	54.70	60.39	63.89
Wyandotte	104	115	122	2.92	3.22	3.41
District Total	31861	35174	37214	892.11	984.89	1041.98
East Central District						
Anderson	1666	1839	1946	46.64	51.50	54.48
Chase	691	763	808	19.36	21.38	22.61
Coffey	1907	2106	2228	53.41	58.96	62.38
Douglas	1964	2168	2294	55.00	60.72	64.24
Franklin	1876	2071	2191	52.53	58.00	61.36
Geary	838	925	979	23.46	25.91	27.41
Johnson	1153	1273	1347	32.28	35.64	37.71
Linn	1819	2009	2125	50.94	56.24	59.50
Lyon	2894	3195	3380	81.03	89.45	94.64
Miami	2140	2363	2500	59.92	66.15	69.99
Morris	2075	2291	2424	58.10	64.14	67.86
Osage	3478	3840	4063	97.40	107.53	113.76
Shawnee	1972	2178	2304	55.23	60.97	64.51
Wabaunsee	1836	2027	2145	51.42	56.77	60.06
District Total	26312	29048	30732	736.73	813.35	860.50
Southeast District						
Allen	1562	1725	1825	43.74	48.29	51.09
Bourbon	1411	1557	1648	39.50	43.61	46.13
Butler	4578	5054	5347	128.19	141.52	149.73
Chautauqua	245	270	286	6.86	7.57	8.01
Cherokee	1295	1429	1512	36.25	40.02	42.34
Cowley	1685	1861	1969	47.19	52.10	55.12
Crawford	2298	2537	2684	64.34	71.03	75.15
Elk	389	430	455	10.90	12.03	12.73
Greenwood	799	882	933	22.37	24.69	26.12
Labette	1450	1601	1693	40.59	44.81	47.41
Montgomery	1381	1524	1613	38.66	42.68	45.16
Neosho	1694	1870	1978	47.43	52.36	55.39
Wilson	1769	1953	2066	49.53	54.68	57.85
Woodson	1309	1445	1529	36.65	40.46	42.81
District Total	21865	24139	25539	612.23	675.90	715.08
State	250000	276000	292000	7000.00	7728.00	8176.00

Hog Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	2.56	2.09	2.54	1.87	1.53	1.85
Decatur	11.26	9.21	11.17	8.22	6.72	8.15
Graham	17.89	14.62	17.74	13.06	10.67	12.95
Norton	6.38	5.21	6.32	4.65	3.80	4.62
Rawlins	16.85	13.77	16.71	12.30	10.05	12.20
Sheridan	12.30	10.05	12.20	8.98	7.34	8.90
Sherman	19.71	16.11	19.54	14.39	11.76	14.27
Thomas	8.13	6.64	8.06	5.93	4.85	5.88
District Total	95.06	77.70	94.28	69.40	56.72	68.82
West Central District						
Gove	12.42	10.15	12.31	9.06	7.41	8.99
Greeley	11.51	9.41	11.42	8.40	6.87	8.33
Lane	4.15	3.39	4.12	3.03	2.48	3.01
Logan	4.68	3.82	4.64	3.42	2.79	3.39
Ness	3.97	3.25	3.94	2.90	2.37	2.88
Scott	4.03	3.30	4.00	2.94	2.41	2.92
Trego	22.37	18.29	22.19	16.33	13.35	16.20
Wallace	5.13	4.19	5.08	3.74	3.06	3.71
Wichita	3.64	2.97	3.61	2.65	2.17	2.63
District Total	71.90	58.77	71.31	52.49	42.90	52.05
Southwest District						
Clark	6.01	4.91	5.96	4.38	3.58	4.35
Finney	1.68	1.37	1.67	1.23	1.00	1.22
Ford	6.34	5.18	6.29	4.63	3.78	4.59
Grant	21.05	17.21	20.88	15.37	12.56	15.24
Gray	7.04	5.75	6.98	5.14	4.20	5.10
Hamilton	7.55	6.17	7.49	5.51	4.50	5.46
Haskell	2.99	2.44	2.97	2.18	1.78	2.16
Hodgeman	8.64	7.06	8.57	6.31	5.16	6.26
Kearny	3.38	2.76	3.35	2.47	2.02	2.45
Meade	4.14	3.38	4.10	3.02	2.47	2.99
Morton	12.67	10.35	12.56	9.25	7.56	9.17
Seward	1.00	0.82	0.99	0.73	0.60	0.72
Stanton	27.44	22.43	27.21	20.03	16.37	19.86
Stevens	1.98	1.62	1.97	1.45	1.18	1.43
District Total	111.90	91.47	110.98	81.69	66.77	81.01
North Central District						
Clay	3.71	3.03	3.67	2.70	2.21	2.68
Cloud	57.18	46.74	56.71	41.74	34.12	41.40
Jewell	18.35	15.00	18.19	13.39	10.95	13.28
Mitchell	65.71	53.71	65.16	47.96	39.21	47.57
Osborne	32.62	26.57	32.35	23.82	19.47	23.62
Ottawa	18.43	15.07	18.28	13.46	11.00	13.34
Phillips	15.82	12.93	15.69	11.55	9.44	11.45
Republic	47.95	39.19	47.55	35.00	28.61	34.71
Rooks	46.41	37.94	46.03	33.88	27.69	33.60
Smith	11.25	9.19	11.15	8.21	6.71	8.14
Washington	45.47	37.17	45.10	33.19	27.13	32.92
District Total	362.89	296.63	359.89	264.91	216.54	262.72
Central District						
Barton	109.76	89.72	108.86	80.13	65.50	79.47
Dickinson	14.03	11.47	13.91	10.24	8.37	10.16
Ellis	36.26	29.64	35.96	26.47	21.64	26.25
Ellsworth	7.00	5.72	6.94	5.11	4.18	5.07
Lincoln	8.06	6.59	7.99	5.88	4.81	5.83
McPherson	14.64	11.97	14.52	10.69	8.74	10.60
Marion	33.32	27.24	33.05	24.33	19.88	24.12
Rice	46.62	38.11	46.23	34.03	27.82	33.75
Rush	25.14	20.55	24.93	18.35	15.00	18.20
Russell	3.50	2.86	3.47	2.55	2.09	2.53
Saline	5.21	4.26	5.17	3.81	3.11	3.77
District Total	303.54	248.11	301.03	221.58	181.12	219.75
South Central District						
Barber	29.21	23.88	28.97	21.32	17.43	21.15
Comanche	4.89	4.00	4.85	3.57	2.92	3.54
Edwards	0.02	0.02	0.02	0.01	0.01	0.01
Harper	2.68	2.19	2.66	1.96	1.60	1.94
Harvey	8.22	6.72	8.15	6.00	4.91	5.95
Kingman	33.82	27.65	33.54	24.69	20.18	24.49
Kiowa	20.22	16.53	20.06	14.76	12.07	14.64
Pawnee	11.30	9.23	11.20	8.25	6.74	8.18
Pratt	12.93	10.57	12.82	9.44	7.71	9.36
Reno	34.99	28.60	34.70	25.54	20.88	25.33
Sedgewick	35.99	29.41	35.69	26.27	21.47	26.05
Stafford	30.86	25.22	30.60	22.53	18.41	22.34
Sumner	8.51	6.96	8.44	6.21	5.08	6.16
District Total	233.64	190.97	231.71	170.56	139.41	169.15

Hog Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	28.34	23.17	28.11	20.69	16.91	20.52
Brown	33.09	27.05	32.82	24.16	19.74	23.96
Doniphan	55.36	45.25	54.91	40.42	33.04	40.08
Jackson	29.69	24.27	29.45	21.68	17.72	21.50
Jefferson	29.30	23.95	29.06	21.39	17.48	21.21
Leavenworth	29.35	23.99	29.11	21.43	17.51	21.25
Marshall	19.38	15.84	19.22	14.15	11.56	14.03
Nemaha	68.99	56.39	68.42	50.36	41.17	49.95
Pottawatomie	88.82	72.60	88.08	64.84	53.00	64.30
Riley	51.49	42.09	51.06	37.59	30.72	37.28
Wyandotte	35.46	28.98	35.17	25.89	21.16	25.67
District Total	469.27	383.58	465.39	342.57	280.01	339.74
East Central District						
Anderson	1.18	0.96	1.17	0.86	0.70	0.85
Chase	25.20	20.60	24.99	18.39	15.03	18.24
Coffey	11.38	9.30	11.29	8.31	6.79	8.24
Douglas	17.27	14.12	17.13	12.61	10.30	12.50
Franklin	27.13	22.17	26.90	19.80	16.19	19.64
Geary	30.22	24.70	29.97	22.06	18.03	21.88
Johnson	23.07	18.86	22.88	16.84	13.76	16.70
Linn	11.43	9.34	11.33	8.34	6.82	8.27
Lyon	31.71	25.92	31.45	23.15	18.92	22.96
Miami	31.51	25.76	31.25	23.00	18.80	22.81
Morris	21.75	17.78	21.57	15.88	12.98	15.75
Osage	34.18	27.94	33.90	24.95	20.40	24.75
Shawnee	23.59	19.29	23.40	17.22	14.08	17.08
Wabaunsee	13.72	11.21	13.61	10.01	8.19	9.93
District Total	303.34	247.95	300.83	221.44	181.00	219.61
Southeast District						
Allen	26.94	22.02	26.71	19.66	16.07	19.50
Bourbon	15.43	12.61	15.31	11.27	9.21	11.17
Butler	18.30	14.96	18.15	13.36	10.92	13.25
Chautauqua	49.21	40.23	48.81	35.92	29.36	35.63
Cherokee	11.43	9.34	11.33	8.34	6.82	8.27
Cowley	9.04	7.39	8.96	6.60	5.39	6.54
Crawford	50.97	41.66	50.55	37.21	30.41	36.90
Elk	15.79	12.90	15.66	11.52	9.42	11.43
Greenwood	22.13	18.09	21.95	16.15	13.20	16.02
Labette	14.45	11.81	14.33	10.55	8.62	10.46
Montgomery	23.71	19.38	23.51	17.31	14.15	17.16
Neosho	36.58	29.90	36.28	26.70	21.83	26.48
Wilson	32.85	26.85	32.58	23.98	19.60	23.78
Woodson	21.64	17.69	21.46	15.80	12.91	15.66
District Total	348.46	284.83	345.58	254.37	207.92	252.27
State Total	2300.00	1880.00	2281.00	1679.00	1372.40	1665.13

Milk Cow Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.39	0.33	0.26	1.01	0.85	0.69
Decatur	0.66	0.56	0.45	1.73	1.46	1.18
Graham	0.44	0.37	0.30	1.14	0.96	0.78
Norton	0.75	0.63	0.51	1.95	1.64	1.33
Rawlins	1.18	0.99	0.80	3.07	2.58	2.10
Sheridan	1.06	0.89	0.72	2.76	2.32	1.88
Sherman	0.30	0.25	0.20	0.78	0.65	0.53
Thomas	0.27	0.23	0.18	0.70	0.59	0.48
District Total	5.04	4.24	3.44	13.15	11.06	8.97
West Central District						
Gove	0.70	0.59	0.48	1.83	1.54	1.25
Greeley	0.05	0.05	0.04	0.14	0.12	0.10
Lane	0.10	0.08	0.07	0.25	0.21	0.17
Logan	0.21	0.18	0.14	0.55	0.46	0.37
Ness	0.31	0.26	0.21	0.82	0.69	0.56
Scott	0.04	0.04	0.03	0.11	0.09	0.08
Trego	0.75	0.63	0.51	1.96	1.65	1.33
Wallace	0.19	0.16	0.13	0.48	0.41	0.33
Wichita	0.17	0.14	0.11	0.43	0.36	0.30
District Total	2.52	2.12	1.72	6.57	5.53	4.49
Southwest District						
Clark	0.04	0.04	0.03	0.11	0.09	0.07
Finney	0.08	0.07	0.06	0.22	0.18	0.15
Ford	0.61	0.51	0.41	1.59	1.33	1.08
Grant	0.05	0.04	0.03	0.12	0.10	0.08
Gray	0.08	0.07	0.05	0.20	0.17	0.14
Hamilton	0.05	0.04	0.03	0.12	0.11	0.09
Haskell	0.09	0.07	0.06	0.23	0.19	0.16
Hodgeman	0.48	0.40	0.32	1.24	1.04	0.85
Kearny	0.06	0.05	0.04	0.15	0.12	0.10
Meade	0.31	0.26	0.21	0.81	0.68	0.55
Morton	0.06	0.05	0.04	0.16	0.13	0.11
Seward	0.05	0.05	0.04	0.14	0.12	0.10
Stanton	0.05	0.04	0.03	0.13	0.11	0.09
Stevens	0.11	0.09	0.07	0.28	0.24	0.19
District Total	2.11	1.77	1.44	5.50	4.63	3.75
North Central District						
Clay	0.92	0.77	0.63	2.39	2.01	1.63
Cloud	0.41	0.35	0.28	1.08	0.91	0.74
Jewell	0.70	0.59	0.48	1.83	1.54	1.25
Mitchell	0.59	0.49	0.40	1.53	1.29	1.04
Osborne	0.53	0.45	0.36	1.39	1.17	0.95
Ottawa	0.76	0.64	0.52	1.99	1.68	1.36
Phillips	0.50	0.42	0.34	1.29	1.09	0.88
Republic	0.75	0.63	0.51	1.96	1.65	1.34
Rooks	0.91	0.77	0.62	2.37	2.00	1.62
Smith	0.84	0.71	0.57	2.20	1.85	1.50
Washington	2.31	1.94	1.58	6.03	5.08	4.12
District Total	9.23	7.76	6.29	24.08	20.25	16.43
Central District						
Barton	0.66	0.55	0.45	1.71	1.44	1.17
Dickinson	1.60	1.34	1.09	4.17	3.50	2.84
Ellis	1.15	0.97	0.79	3.01	2.53	2.05
Ellsworth	0.32	0.27	0.22	0.83	0.69	0.56
Lincoln	0.68	0.57	0.46	1.77	1.49	1.21
McPherson	2.69	2.26	1.84	7.03	5.91	4.79
Marion	4.12	3.47	2.81	10.76	9.05	7.34
Rice	0.98	0.83	0.67	2.57	2.16	1.75
Rush	0.15	0.13	0.10	0.39	0.33	0.27
Russell	0.80	0.68	0.55	2.10	1.76	1.43
Saline	1.51	1.27	1.03	3.93	3.31	2.68
District Total	14.66	12.33	10.00	38.26	32.18	26.10
South Central District						
Barber	0.73	0.61	0.50	1.90	1.60	1.29
Comanche	0.33	0.28	0.22	0.86	0.72	0.59
Edwards	0.33	0.27	0.22	0.85	0.72	0.58
Harper	0.69	0.58	0.47	1.80	1.51	1.22
Harvey	1.83	1.54	1.25	4.77	4.01	3.26
Kingman	1.66	1.39	1.13	4.32	3.64	2.95
Kiowa	0.11	0.09	0.07	0.28	0.23	0.19
Pawnee	0.34	0.29	0.23	0.89	0.75	0.61
Pratt	0.46	0.39	0.32	1.21	1.02	0.82
Reno	3.33	2.80	2.27	8.69	7.31	5.93
Sedgewick	6.25	5.26	4.27	16.32	13.73	11.13
Stafford	0.25	0.21	0.17	0.65	0.55	0.45
Sumner	1.09	0.92	0.74	2.84	2.39	1.94
District Total	17.39	14.62	11.86	45.38	38.17	30.96

Milk Cow Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FMT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	1.61	1.36	1.10	4.21	3.54	2.87
Brown	2.20	1.85	1.50	5.75	4.84	3.92
Doniphan	0.65	0.55	0.45	1.71	1.44	1.17
Jackson	1.72	1.45	1.17	4.49	3.78	3.06
Jefferson	2.12	1.78	1.44	5.52	4.65	3.77
Leavenworth	3.28	2.76	2.24	8.56	7.20	5.84
Marshall	2.71	2.28	1.85	7.08	5.95	4.83
Nemaha	5.30	4.46	3.62	13.84	11.64	9.44
Pottawatomie	1.52	1.28	1.04	3.96	3.34	2.71
Riley	1.22	1.03	0.83	3.19	2.68	2.18
Wyandotte	0.23	0.19	0.15	0.59	0.49	0.40
District Total	22.57	18.98	15.40	58.90	49.54	40.19
East Central District						
Anderson	1.85	1.56	1.26	4.83	4.06	3.29
Chase	0.22	0.19	0.15	0.58	0.49	0.40
Coffey	0.59	0.50	0.40	1.54	1.29	1.05
Douglas	2.49	2.10	1.70	6.50	5.47	4.44
Franklin	2.87	2.42	1.96	7.50	6.31	5.12
Geary	0.76	0.64	0.52	1.99	1.68	1.36
Johnson	0.96	0.80	0.65	2.50	2.10	1.70
Linn	1.29	1.09	0.88	3.37	2.84	2.30
Lyon	1.10	0.93	0.75	2.88	2.42	1.96
Miami	2.07	1.74	1.41	5.40	4.54	3.68
Morris	1.43	1.20	0.98	3.73	3.14	2.54
Osage	0.71	0.60	0.49	1.86	1.57	1.27
Shawnee	0.69	0.58	0.47	1.80	1.51	1.22
Wabaunsee	0.94	0.79	0.64	2.45	2.06	1.67
District Total	17.98	15.12	12.27	46.92	39.47	32.01
Southeast District						
Allen	2.02	1.70	1.38	5.28	4.44	3.60
Bourbon	1.89	1.59	1.29	4.92	4.14	3.36
Butler	1.54	1.30	1.05	4.03	3.39	2.75
Chautauqua	0.50	0.42	0.34	1.31	1.10	0.89
Cherokee	0.30	0.25	0.21	0.79	0.66	0.54
Cowley	0.94	0.79	0.64	2.46	2.07	1.68
Crawford	1.13	0.95	0.77	2.96	2.49	2.02
Elk	0.22	0.18	0.15	0.56	0.47	0.38
Greenwood	1.32	1.11	0.90	3.45	2.90	2.35
Labette	1.85	1.55	1.26	4.82	4.06	3.29
Montgomery	1.10	0.93	0.75	2.88	2.42	1.96
Neosho	1.68	1.41	1.15	4.38	3.68	2.99
Wilson	0.53	0.45	0.36	1.39	1.17	0.95
Woodson	0.50	0.42	0.34	1.29	1.09	0.88
District Total	15.52	13.05	10.59	40.50	34.07	27.63
State	107.00	90.00	73.00	279.27	234.90	190.53

Milk Cow Replacement Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUM)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.15	0.13	0.12	0.08	0.07	0.06
Decatur	0.26	0.23	0.20	0.13	0.11	0.10
Graham	0.17	0.15	0.13	0.08	0.07	0.06
Norton	0.29	0.26	0.22	0.14	0.13	0.11
Rawlins	0.46	0.41	0.35	0.23	0.20	0.17
Sheridan	0.42	0.37	0.32	0.20	0.18	0.16
Sherman	0.12	0.10	0.09	0.06	0.05	0.04
Thomas	0.11	0.09	0.08	0.05	0.05	0.04
District Total	1.98	1.74	1.51	0.98	0.86	0.74
West Central District						
Gove	0.27	0.24	0.21	0.14	0.12	0.10
Greeley	0.02	0.02	0.02	0.01	0.01	0.01
Lane	0.04	0.03	0.03	0.02	0.02	0.01
Logan	0.08	0.07	0.06	0.04	0.04	0.03
Ness	0.12	0.11	0.09	0.06	0.05	0.05
Scott	0.02	0.01	0.01	0.01	0.01	0.01
Trego	0.29	0.26	0.22	0.15	0.13	0.11
Wallace	0.07	0.06	0.06	0.04	0.03	0.03
Wichita	0.07	0.06	0.05	0.03	0.03	0.02
District Total	0.99	0.87	0.75	0.49	0.43	0.37
Southwest District						
Clark	0.02	0.01	0.01	0.01	0.01	0.01
Finney	0.03	0.03	0.02	0.02	0.01	0.01
Ford	0.24	0.21	0.18	0.12	0.10	0.09
Grant	0.02	0.02	0.01	0.01	0.01	0.01
Gray	0.03	0.03	0.02	0.02	0.01	0.01
Hamilton	0.02	0.02	0.01	0.01	0.01	0.01
Haskell	0.03	0.03	0.03	0.02	0.02	0.01
Hodgeman	0.19	0.16	0.14	0.09	0.08	0.07
Kearny	0.02	0.02	0.02	0.01	0.01	0.01
Meade	0.12	0.11	0.09	0.06	0.05	0.05
Morton	0.02	0.02	0.02	0.01	0.01	0.01
Seward	0.02	0.02	0.02	0.01	0.01	0.01
Stanton	0.02	0.02	0.02	0.01	0.01	0.01
Stevens	0.04	0.04	0.03	0.02	0.02	0.02
District Total	0.83	0.73	0.63	0.41	0.36	0.31
North Central District						
Clay	0.36	0.32	0.27	0.18	0.16	0.14
Cloud	0.16	0.14	0.12	0.08	0.07	0.06
Jewell	0.28	0.24	0.21	0.14	0.12	0.10
Mitchell	0.23	0.20	0.18	0.11	0.10	0.09
Osborne	0.21	0.18	0.16	0.10	0.09	0.08
Ottawa	0.30	0.26	0.23	0.15	0.13	0.11
Phillips	0.19	0.17	0.15	0.10	0.08	0.07
Republic	0.29	0.26	0.22	0.15	0.13	0.11
Rooks	0.36	0.31	0.27	0.18	0.16	0.13
Smith	0.33	0.29	0.25	0.16	0.14	0.12
Washington	0.91	0.80	0.69	0.45	0.39	0.34
District Total	3.62	3.19	2.76	1.79	1.57	1.36
Central District						
Barton	0.26	0.23	0.20	0.13	0.11	0.10
Dickinson	0.63	0.55	0.48	0.31	0.27	0.24
Ellis	0.45	0.40	0.34	0.22	0.20	0.17
Ellsworth	0.12	0.11	0.09	0.06	0.05	0.05
Lincoln	0.27	0.23	0.20	0.13	0.12	0.10
McPherson	1.06	0.93	0.81	0.52	0.46	0.40
Marion	1.62	1.43	1.23	0.80	0.70	0.61
Rice	0.39	0.34	0.29	0.19	0.17	0.15
Rush	0.06	0.05	0.04	0.03	0.03	0.02
Russell	0.32	0.28	0.24	0.16	0.14	0.12
Saline	0.59	0.52	0.45	0.29	0.26	0.22
District Total	5.75	5.07	4.38	2.84	2.50	2.16
South Central District						
Barber	0.29	0.25	0.22	0.14	0.12	0.11
Comanche	0.13	0.11	0.10	0.06	0.06	0.05
Edwards	0.13	0.11	0.10	0.06	0.06	0.05
Harper	0.27	0.24	0.21	0.13	0.12	0.10
Harvey	0.72	0.63	0.55	0.35	0.31	0.27
Kingsman	0.65	0.57	0.50	0.32	0.28	0.24
Kiowa	0.04	0.04	0.03	0.02	0.02	0.02
Pawnee	0.13	0.12	0.10	0.07	0.06	0.05
Pratt	0.18	0.16	0.14	0.09	0.08	0.07
Reno	1.31	1.15	1.00	0.64	0.57	0.49
Sedgwick	2.45	2.16	1.87	1.21	1.07	0.92
Stafford	0.10	0.09	0.07	0.05	0.04	0.04
Sumner	0.43	0.38	0.33	0.21	0.19	0.16
District Total	6.82	6.01	5.20	3.36	2.96	2.56

Milk Cow Replacement Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PCT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.63	0.56	0.48	0.31	0.27	0.24
Brown	0.86	0.76	0.66	0.43	0.38	0.32
Doniphan	0.26	0.23	0.20	0.13	0.11	0.10
Jackson	0.68	0.59	0.51	0.33	0.29	0.25
Jefferson	0.83	0.73	0.63	0.41	0.36	0.31
Leavenworth	1.29	1.13	0.98	0.63	0.56	0.48
Marshall	1.06	0.94	0.81	0.52	0.46	0.40
Nemaha	2.08	1.83	1.59	1.03	0.90	0.78
Pottawatomie	0.60	0.53	0.45	0.29	0.26	0.22
Riley	0.48	0.42	0.37	0.24	0.21	0.18
Wyandotte	0.09	0.08	0.07	0.04	0.04	0.03
District Total	8.86	7.80	6.75	4.37	3.85	3.33
East Central District						
Anderson	0.73	0.64	0.55	0.36	0.32	0.27
Chase	0.09	0.08	0.07	0.04	0.04	0.03
Coffey	0.23	0.20	0.18	0.11	0.10	0.09
Douglas	0.98	0.86	0.74	0.48	0.42	0.37
Franklin	1.13	0.99	0.86	0.56	0.49	0.42
Geary	0.30	0.26	0.23	0.15	0.13	0.11
Johnson	0.38	0.33	0.29	0.19	0.16	0.14
Linn	0.51	0.45	0.39	0.25	0.22	0.19
Lyon	0.43	0.38	0.33	0.21	0.19	0.16
Miami	0.81	0.72	0.62	0.40	0.35	0.30
Morris	0.56	0.49	0.43	0.28	0.24	0.21
Osage	0.28	0.25	0.21	0.14	0.12	0.11
Shawnee	0.27	0.24	0.21	0.13	0.12	0.10
Wabaunsee	0.37	0.32	0.28	0.18	0.16	0.14
District Total	7.06	6.22	5.38	3.48	3.06	2.65
Southeast District						
Allen	0.79	0.70	0.60	0.39	0.34	0.30
Bourbon	0.74	0.65	0.56	0.37	0.32	0.28
Butler	0.61	0.53	0.46	0.30	0.26	0.23
Chautauqua	0.20	0.17	0.15	0.10	0.09	0.07
Cherokee	0.12	0.10	0.09	0.06	0.05	0.04
Cowley	0.37	0.33	0.28	0.18	0.16	0.14
Crawford	0.44	0.39	0.34	0.22	0.19	0.17
Elk	0.08	0.07	0.06	0.04	0.04	0.03
Greenwood	0.52	0.46	0.40	0.26	0.23	0.19
Labette	0.73	0.64	0.55	0.36	0.31	0.27
Montgomery	0.43	0.38	0.33	0.21	0.19	0.16
Neosho	0.66	0.58	0.50	0.32	0.29	0.25
Wilson	0.21	0.18	0.16	0.10	0.09	0.08
Woodson	0.19	0.17	0.15	0.10	0.08	0.07
District Total	6.09	5.37	4.64	3.00	2.65	2.29
State	42.00	37.00	32.00	20.71	18.24	15.78

Cattle on Feed Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	8.06	8.53	8.31	27.96	29.59	28.81
Decatur	19.00	20.11	19.58	65.89	69.73	67.90
Graham	1.23	1.30	1.27	4.26	4.51	4.39
Norton	1.07	1.13	1.10	3.71	3.92	3.82
Rawlins	1.20	1.27	1.24	4.17	4.41	4.30
Sheridan	26.12	27.64	26.92	90.57	95.84	93.33
Sherman	12.90	13.65	13.29	44.71	47.32	46.08
Thomas	12.54	13.27	12.92	43.48	46.01	44.80
District Total	82.12	86.90	84.62	284.76	301.33	293.43
West Central District						
Gove	31.60	33.44	32.56	109.57	115.95	112.91
Greeley	25.98	27.49	26.77	90.07	95.31	92.82
Lane	34.44	36.45	35.49	119.44	126.39	123.07
Logan	2.67	2.83	2.75	9.27	9.80	9.55
Ness	1.14	1.21	1.17	3.95	4.18	4.07
Scott	88.84	94.01	91.55	308.06	325.98	317.43
Trego	6.18	6.54	6.36	21.42	22.66	22.07
Wallace	1.75	1.85	1.80	6.07	6.43	6.26
Wichita	84.28	89.18	86.84	292.23	309.24	301.13
District Total	276.88	292.99	285.31	960.08	1015.94	989.31
Southwest District						
Clark	12.57	13.30	12.95	43.59	46.13	44.92
Finney	113.42	120.02	116.87	393.28	416.16	405.25
Ford	89.09	94.28	91.80	308.93	326.90	318.33
Grant	63.72	67.43	65.66	220.94	233.80	227.67
Gray	59.04	62.47	60.83	204.71	216.62	210.94
Hamilton	24.45	25.88	25.20	84.79	89.73	87.38
Haskell	125.36	132.66	129.18	434.69	459.98	447.93
Hodgeman	25.97	27.48	26.76	90.04	95.28	92.78
Kearny	57.17	60.50	58.91	198.25	209.78	204.28
Meade	7.81	8.27	8.05	27.09	28.66	27.91
Morton	0.71	0.75	0.73	2.46	2.60	2.53
Seward	57.59	60.94	59.34	199.69	211.30	205.77
Stanton	29.30	31.00	30.19	101.58	107.49	104.67
Stevens	23.88	25.27	24.61	82.82	87.64	85.34
District Total	690.08	730.23	711.09	2392.84	2532.08	2465.70
North Central District						
Clay	2.34	2.47	2.41	8.10	8.57	8.35
Cloud	1.25	1.33	1.29	4.35	4.60	4.48
Jewell	2.92	3.09	3.01	10.14	10.72	10.44
Mitchell	12.05	12.75	12.42	41.79	44.22	43.06
Osborne	3.13	3.31	3.22	10.84	11.47	11.17
Otawa	6.77	7.16	6.98	23.47	24.84	24.19
Phillips	1.11	1.18	1.15	3.86	4.09	3.98
Republic	14.17	14.99	14.60	49.12	51.98	50.62
Rooks	2.28	2.41	2.35	7.90	8.36	8.14
Smith	5.34	5.65	5.50	18.50	19.58	19.06
Washington	5.52	5.85	5.69	19.15	20.27	19.74
District Total	56.88	60.19	58.61	197.23	208.71	203.24
Central District						
Barton	60.35	63.86	62.19	209.27	221.45	215.64
Dickinson	11.16	11.81	11.50	38.68	40.93	39.86
Ellis	21.67	22.93	22.33	75.13	79.50	77.42
Ellsworth	1.80	1.91	1.86	6.25	6.62	6.44
Lincoln	0.99	1.05	1.02	3.44	3.64	3.54
McPherson	7.52	7.96	7.75	26.08	27.60	26.87
Marion	2.66	2.81	2.74	9.22	9.76	9.50
Rice	7.14	7.56	7.36	24.76	26.20	25.52
Rush	1.07	1.13	1.10	3.70	3.91	3.81
Russell	0.59	0.63	0.61	2.06	2.18	2.12
Saline	7.16	7.57	7.38	24.82	26.27	25.58
District Total	122.11	129.22	125.83	423.42	448.06	436.31
South Central District						
Barber	1.52	1.61	1.57	5.27	5.58	5.43
Comanche	1.06	1.12	1.09	3.66	3.87	3.77
Edwards	14.53	15.38	14.98	50.40	53.33	51.93
Harper	2.31	2.44	2.38	8.01	8.47	8.25
Harvey	3.78	4.00	3.89	13.10	13.87	13.50
Kingman	1.33	1.41	1.37	4.61	4.87	4.75
Kiowa	1.05	1.11	1.08	3.63	3.84	3.74
Pawnee	21.76	23.03	22.42	75.45	79.85	77.75
Pratt	25.71	27.21	26.50	89.17	94.35	91.88
Reno	12.50	13.22	12.88	43.33	45.85	44.65
Sedgewick	5.12	5.42	5.28	17.76	18.79	18.30
Stafford	8.27	8.75	8.52	28.67	30.33	29.54
Sumner	2.66	2.82	2.75	9.24	9.78	9.52
District Total	101.60	107.51	104.69	352.28	372.78	363.01

Cattle on Feed Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	1.97	2.09	2.03	6.83	7.23	7.04
Brown	5.31	5.62	5.47	18.41	19.48	18.97
Doniphan	2.81	2.98	2.90	9.75	10.32	10.05
Jackson	0.75	0.80	0.78	2.61	2.76	2.69
Jefferson	1.33	1.40	1.37	4.60	4.87	4.74
Leavenworth	0.56	0.60	0.58	1.95	2.07	2.01
Marshall	2.19	2.32	2.25	7.59	8.03	7.82
Nemaha	2.60	2.75	2.68	9.01	9.54	9.29
Pottawatomie	2.39	2.53	2.46	8.29	8.77	8.54
Riley	1.92	2.03	1.98	6.66	7.05	6.86
Wyandotte	0.33	0.35	0.34	1.15	1.22	1.19
District Total	22.17	23.46	22.84	76.86	81.34	79.20
East Central District						
Anderson	0.92	0.97	0.94	3.18	3.36	3.28
Chase	2.90	3.07	2.99	10.06	10.64	10.36
Coffey	2.09	2.21	2.15	7.24	7.66	7.46
Douglas	2.06	2.18	2.12	7.15	7.56	7.37
Franklin	1.72	1.82	1.78	5.98	6.33	6.16
Geary	0.71	0.75	0.73	2.47	2.61	2.54
Johnson	0.85	0.90	0.88	2.95	3.12	3.04
Linn	0.77	0.82	0.79	2.67	2.83	2.75
Lyon	10.99	11.63	11.32	38.09	40.31	39.25
Miami	1.48	1.57	1.53	5.13	5.43	5.29
Morris	6.32	6.69	6.51	21.91	23.19	22.58
Osage	1.84	1.94	1.89	6.37	6.74	6.56
Shawnee	1.32	1.40	1.36	4.58	4.85	4.72
Wabaunsee	4.43	4.69	4.57	15.37	16.27	15.84
District Total	38.40	40.64	39.57	133.16	140.91	137.22
Southeast District						
Allen	1.09	1.16	1.13	3.79	4.01	3.91
Bourbon	0.91	0.97	0.94	3.17	3.36	3.27
Butler	29.30	31.01	30.20	101.61	107.52	104.70
Chautauqua	3.34	3.53	3.44	11.58	12.26	11.93
Cherokee	0.47	0.49	0.48	1.61	1.71	1.66
Cowley	15.48	16.38	15.95	53.67	56.80	55.31
Crawford	2.79	2.95	2.87	9.66	10.22	9.95
Elk	0.56	0.60	0.58	1.96	2.07	2.02
Greenwood	1.78	1.88	1.83	6.16	6.52	6.35
Labette	17.98	19.03	18.53	62.35	65.97	64.24
Montgomery	1.47	1.56	1.52	5.11	5.41	5.27
Neosho	1.13	1.20	1.17	3.93	4.16	4.05
Wilson	0.52	0.55	0.53	1.79	1.89	1.84
Woodson	10.94	11.57	11.27	37.92	40.13	39.08
District Total	87.76	92.87	90.43	304.31	322.02	313.58
State	1478.00	1564.00	1523.00	5124.97	5423.17	5281.00

Other Cattle Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	29.82	30.07	30.31	2.73	2.75	2.77
Decatur	42.35	42.71	43.06	3.88	3.91	3.94
Graham	31.82	32.09	32.35	2.91	2.94	2.96
Norton	35.71	36.01	36.30	3.27	3.29	3.32
Rawlins	32.14	32.41	32.67	2.94	2.97	2.99
Sheridan	47.61	48.01	48.41	4.36	4.39	4.43
Sherman	28.30	28.53	28.77	2.59	2.61	2.63
Thomas	27.32	27.55	27.78	2.50	2.52	2.54
District Total	275.08	277.36	279.65	25.17	25.38	25.59
West Central District						
Gove	62.31	62.82	63.34	5.70	5.75	5.80
Greeley	27.00	27.22	27.45	2.47	2.49	2.51
Lane	38.27	38.59	38.90	3.50	3.53	3.56
Logan	25.72	25.93	26.15	2.35	2.37	2.39
Ness	39.41	39.74	40.07	3.61	3.64	3.67
Scott	81.14	81.81	82.49	7.42	7.49	7.55
Trego	34.86	35.15	35.44	3.19	3.22	3.24
Wallace	21.21	21.39	21.56	1.94	1.96	1.97
Wichita	65.09	65.63	66.17	5.96	6.01	6.05
District Total	395.01	398.29	401.57	36.14	36.44	36.74
Southwest District						
Clark	45.42	45.80	46.18	4.16	4.19	4.23
Finney	85.06	85.76	86.47	7.78	7.85	7.91
Ford	88.65	89.38	90.12	8.11	8.18	8.25
Grant	50.40	50.82	51.24	4.61	4.65	4.69
Gray	68.91	69.48	70.05	6.30	6.36	6.41
Hamilton	26.25	26.47	26.69	2.40	2.42	2.44
Haskell	85.37	86.08	86.79	7.81	7.88	7.94
Hodgeman	50.23	50.64	51.06	4.60	4.63	4.67
Kearny	50.63	51.05	51.47	4.63	4.67	4.71
Meade	34.25	34.54	34.82	3.13	3.16	3.19
Morton	16.19	16.33	16.46	1.48	1.49	1.51
Seward	44.93	45.30	45.67	4.11	4.15	4.18
Stanton	29.16	29.41	29.65	2.67	2.69	2.71
Stevens	24.88	25.09	25.30	2.28	2.30	2.31
District Total	700.34	706.16	711.97	64.08	64.61	65.15
North Central District						
Clay	36.82	37.13	37.43	3.37	3.40	3.43
Cloud	28.55	28.78	29.02	2.61	2.63	2.66
Jewell	28.29	28.52	28.76	2.59	2.61	2.63
Mitchell	33.45	33.73	34.01	3.06	3.09	3.11
Osborne	44.12	44.49	44.86	4.04	4.07	4.10
Ottawa	36.61	36.91	37.21	3.35	3.38	3.41
Phillips	50.16	50.58	50.99	4.59	4.63	4.67
Republic	43.17	43.53	43.88	3.95	3.98	4.02
Rooks	35.79	36.08	36.38	3.27	3.30	3.33
Smith	52.74	53.18	53.62	4.83	4.87	4.91
Washington	62.14	62.66	63.17	5.69	5.73	5.78
District Total	451.84	455.59	459.34	41.34	41.69	42.03
Central District						
Barton	66.69	67.24	67.80	6.10	6.15	6.20
Dickinson	55.89	56.36	56.82	5.11	5.16	5.20
Ellis	46.24	46.62	47.01	4.23	4.27	4.30
Ellsworth	32.30	32.57	32.84	2.96	2.98	3.00
Lincoln	38.84	39.16	39.48	3.55	3.58	3.61
McPherson	47.30	47.69	48.08	4.33	4.36	4.40
Marion	57.09	57.57	58.04	5.22	5.27	5.31
Rice	39.64	39.97	40.29	3.63	3.66	3.69
Rush	26.31	26.53	26.75	2.41	2.43	2.45
Russell	29.78	30.02	30.27	2.72	2.75	2.77
Saline	35.22	35.52	35.81	3.22	3.25	3.28
District Total	475.30	479.25	483.20	43.49	43.85	44.21
South Central District						
Barber	61.19	61.69	62.20	5.60	5.65	5.69
Comanche	37.00	37.31	37.62	3.39	3.41	3.44
Edwards	33.81	34.09	34.38	3.09	3.12	3.15
Harper	50.24	50.65	51.07	4.60	4.63	4.67
Harvey	31.12	31.38	31.64	2.85	2.87	2.90
Kingman	43.65	44.01	44.38	3.99	4.03	4.06
Kiowa	26.65	26.87	27.09	2.44	2.46	2.48
Pawnee	37.46	37.77	38.09	3.43	3.46	3.48
Pratt	39.59	39.92	40.25	3.62	3.65	3.68
Reno	57.24	57.72	58.19	5.24	5.28	5.32
Sedgwick	41.43	41.77	42.12	3.79	3.82	3.85
Stafford	41.01	41.35	41.69	3.75	3.78	3.82
Sumner	38.94	39.26	39.58	3.56	3.59	3.62
District Total	539.33	543.81	548.29	49.35	49.76	50.17

Other Cattle Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PCT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	26.90	27.13	27.35	2.46	2.48	2.50
Brown	39.36	39.69	40.02	3.60	3.63	3.66
Doniphan	20.47	20.64	20.81	1.87	1.89	1.90
Jackson	43.66	44.03	44.39	4.00	4.03	4.06
Jefferson	34.19	34.47	34.75	3.13	3.15	3.18
Leavenworth	28.96	29.20	29.44	2.65	2.67	2.69
Marshall	45.79	46.17	46.55	4.19	4.22	4.26
Nemaha	48.48	48.88	49.29	4.44	4.47	4.51
Pottawatomie	52.80	53.24	53.68	4.83	4.87	4.91
Riley	29.16	29.40	29.64	2.67	2.69	2.71
Wyandotte	3.11	3.13	3.16	0.28	0.29	0.29
District Total	372.88	375.98	379.08	34.12	34.40	34.69
East Central District						
Anderson	36.18	36.48	36.78	3.31	3.34	3.37
Chase	34.70	34.99	35.28	3.18	3.20	3.23
Coffey	34.98	35.27	35.57	3.20	3.23	3.25
Douglas	30.32	30.57	30.82	2.77	2.80	2.82
Franklin	35.87	36.17	36.46	3.28	3.31	3.34
Geary	16.75	16.89	17.03	1.53	1.55	1.56
Johnson	17.33	17.47	17.61	1.59	1.60	1.61
Linn	33.92	34.20	34.48	3.10	3.13	3.15
Lyon	55.64	56.10	56.56	5.09	5.13	5.18
Miami	38.28	38.60	38.91	3.50	3.53	3.56
Morris	50.32	50.74	51.16	4.60	4.64	4.68
Osage	36.14	36.44	36.74	3.31	3.33	3.36
Shawnee	20.16	20.33	20.49	1.84	1.86	1.88
Wabaunsee	47.65	48.05	48.45	4.36	4.40	4.43
District Total	488.23	492.29	496.34	44.67	45.04	45.42
Southeast District						
Allen	29.98	30.23	30.48	2.74	2.77	2.79
Bourbon	46.21	46.59	46.98	4.23	4.26	4.30
Butler	96.64	97.44	98.24	8.84	8.92	8.99
Chautauqua	38.33	38.65	38.97	3.51	3.54	3.57
Cherokee	24.14	24.34	24.54	2.21	2.23	2.25
Cowley	72.99	73.60	74.20	6.68	6.73	6.79
Crawford	36.63	36.93	37.24	3.35	3.38	3.41
Elk	39.88	40.21	40.54	3.65	3.68	3.71
Greenwood	64.44	64.97	65.51	5.90	5.95	5.99
Labette	53.94	54.39	54.83	4.94	4.98	5.02
Montgomery	32.99	33.27	33.54	3.02	3.04	3.07
Neosho	38.35	38.66	38.98	3.51	3.54	3.57
Wilson	29.85	30.10	30.34	2.73	2.75	2.78
Woodson	32.62	32.89	33.16	2.98	3.01	3.03
District Total	636.98	642.27	647.56	58.28	58.77	59.25
State	4335.00	4371.00	4407.00	396.65	399.95	403.24

Stock Sheep Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.32	0.31	0.30	0.01	0.01	0.01
Decatur	0.40	0.39	0.37	0.01	0.01	0.01
Graham	0.25	0.24	0.23	0.01	0.01	0.01
Norton	1.34	1.29	1.23	0.05	0.05	0.04
Rawlins	2.37	2.28	2.17	0.09	0.08	0.08
Sheridan	0.95	0.92	0.87	0.03	0.03	0.03
Sherman	1.77	1.70	1.62	0.06	0.06	0.06
Thomas	1.76	1.69	1.61	0.06	0.06	0.06
District Total	9.16	8.81	8.41	0.33	0.32	0.31
West Central District						
Gove	1.65	1.59	1.52	0.06	0.06	0.06
Greeley	0.32	0.31	0.29	0.01	0.01	0.01
Lane	0.55	0.53	0.51	0.02	0.02	0.02
Logan	1.71	1.64	1.56	0.06	0.06	0.06
Ness	0.83	0.80	0.76	0.03	0.03	0.03
Scott	0.82	0.79	0.76	0.03	0.03	0.03
Trego	0.97	0.93	0.89	0.04	0.03	0.03
Wallace	1.76	1.69	1.61	0.06	0.06	0.06
Wichita	3.09	2.97	2.83	0.11	0.11	0.10
District Total	11.70	11.26	10.74	0.43	0.41	0.39
Southwest District						
Clark	0.62	0.60	0.57	0.02	0.02	0.02
Finney	0.42	0.40	0.39	0.02	0.01	0.01
Ford	0.33	0.31	0.30	0.01	0.01	0.01
Grant	0.22	0.22	0.21	0.01	0.01	0.01
Gray	2.47	2.38	2.27	0.09	0.09	0.08
Hamilton	1.35	1.30	1.24	0.05	0.05	0.05
Haskell	0.14	0.14	0.13	0.01	0.01	0.00
Hodgeman	0.35	0.33	0.32	0.01	0.01	0.01
Kearny	1.30	1.25	1.19	0.05	0.05	0.04
Meade	0.57	0.55	0.53	0.02	0.02	0.02
Morton	0.18	0.18	0.17	0.01	0.01	0.01
Seward	0.19	0.18	0.17	0.01	0.01	0.01
Stanton	0.24	0.23	0.22	0.01	0.01	0.01
Stevens	0.07	0.07	0.06	0.00	0.00	0.00
District Total	8.46	8.14	7.76	0.31	0.30	0.28
North Central District						
Clay	0.95	0.92	0.87	0.03	0.03	0.03
Cloud	1.07	1.02	0.98	0.04	0.04	0.04
Jewell	4.15	3.99	3.81	0.15	0.15	0.14
Mitchell	2.57	2.47	2.36	0.09	0.09	0.09
Osborne	2.42	2.33	2.23	0.09	0.09	0.08
Ottawa	0.98	0.94	0.90	0.04	0.03	0.03
Phillips	0.50	0.49	0.46	0.02	0.02	0.02
Republic	4.15	4.00	3.81	0.15	0.15	0.14
Rocks	0.31	0.30	0.28	0.01	0.01	0.01
Smith	2.33	2.24	2.14	0.08	0.08	0.08
Washington	2.93	2.82	2.69	0.11	0.10	0.10
District Total	22.36	21.51	20.52	0.82	0.79	0.75
Central District						
Barton	1.54	1.48	1.41	0.06	0.05	0.05
Dickinson	2.82	2.71	2.59	0.10	0.10	0.09
Ellis	0.55	0.53	0.50	0.02	0.02	0.02
Ellsworth	0.37	0.35	0.34	0.01	0.01	0.01
Lincoln	2.73	2.63	2.51	0.10	0.10	0.09
McPherson	4.82	4.64	4.42	0.18	0.17	0.16
Marion	2.04	1.96	1.87	0.07	0.07	0.07
Rice	1.97	1.90	1.81	0.07	0.07	0.07
Rush	0.87	0.84	0.80	0.03	0.03	0.03
Russell	0.55	0.53	0.51	0.02	0.02	0.02
Saline	0.74	0.71	0.68	0.03	0.03	0.02
District Total	19.01	18.29	17.44	0.69	0.67	0.64
South Central District						
Barber	1.63	1.56	1.49	0.06	0.06	0.05
Comanche	0.58	0.56	0.54	0.02	0.02	0.02
Edwards	1.00	0.96	0.91	0.04	0.03	0.03
Harper	4.27	4.11	3.92	0.16	0.15	0.14
Harvey	6.92	6.65	6.35	0.25	0.24	0.23
Kingman	2.30	2.21	2.11	0.08	0.08	0.08
Kiowa	0.65	0.62	0.60	0.02	0.02	0.02
Pawnee	0.90	0.86	0.82	0.03	0.03	0.03
Pratt	0.65	0.62	0.60	0.02	0.02	0.02
Reno	11.54	11.11	10.59	0.42	0.41	0.39
Sedgwick	16.70	16.07	15.33	0.61	0.59	0.56
Stafford	0.96	0.93	0.88	0.04	0.03	0.03
Sumner	4.75	4.57	4.36	0.17	0.17	0.16
District Total	52.85	50.84	48.50	1.93	1.86	1.77

Stock Sheep Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.60	0.58	0.55	0.02	0.02	0.02
Brown	0.96	0.92	0.88	0.03	0.03	0.03
Doniphan	0.71	0.68	0.65	0.03	0.02	0.02
Jackson	1.83	1.76	1.68	0.07	0.06	0.06
Jefferson	0.35	0.33	0.32	0.01	0.01	0.01
Leavenworth	0.56	0.54	0.52	0.02	0.02	0.02
Marshall	0.86	0.83	0.79	0.03	0.03	0.03
Nemaha	0.81	0.78	0.75	0.03	0.03	0.03
Pottawatomie	1.07	1.02	0.98	0.04	0.04	0.04
Riley	1.46	1.41	1.34	0.05	0.05	0.05
Wyandotte	0.10	0.09	0.09	0.00	0.00	0.00
District Total	9.31	8.96	8.54	0.34	0.33	0.31
East Central District						
Anderson	0.84	0.80	0.77	0.03	0.03	0.03
Chase	0.68	0.66	0.63	0.02	0.02	0.02
Coffey	0.38	0.36	0.35	0.01	0.01	0.01
Douglas	0.89	0.86	0.82	0.03	0.03	0.03
Franklin	1.56	1.50	1.43	0.06	0.05	0.05
Geary	0.34	0.32	0.31	0.01	0.01	0.01
Johnson	0.53	0.51	0.48	0.02	0.02	0.02
Linn	0.20	0.19	0.18	0.01	0.01	0.01
Lyon	0.40	0.38	0.36	0.01	0.01	0.01
Miami	0.62	0.60	0.57	0.02	0.02	0.02
Morris	0.48	0.46	0.44	0.02	0.02	0.02
Osage	0.98	0.94	0.90	0.04	0.03	0.03
Shawnee	0.82	0.79	0.75	0.03	0.03	0.03
Wabaunsee	3.98	3.83	3.66	0.15	0.14	0.13
District Total	12.69	12.21	11.65	0.46	0.45	0.43
Southeast District						
Allen	0.64	0.62	0.59	0.02	0.02	0.02
Bourbon	0.56	0.53	0.51	0.02	0.02	0.02
Butler	2.01	1.94	1.85	0.07	0.07	0.07
Chautauqua	0.61	0.59	0.56	0.02	0.02	0.02
Cherokee	0.14	0.13	0.12	0.00	0.00	0.00
Cowley	3.25	3.13	2.98	0.12	0.11	0.11
Crawford	0.86	0.83	0.79	0.03	0.03	0.03
Elk	0.62	0.59	0.57	0.02	0.02	0.02
Greenwood	0.50	0.48	0.46	0.02	0.02	0.02
Labette	0.85	0.82	0.78	0.03	0.03	0.03
Montgomery	0.55	0.53	0.50	0.02	0.02	0.02
Neosho	0.52	0.50	0.48	0.02	0.02	0.02
Wilson	0.56	0.54	0.52	0.02	0.02	0.02
Woodson	0.78	0.76	0.72	0.03	0.03	0.03
District Total	12.47	11.99	11.44	0.46	0.44	0.42
State	158.00	152.00	145.00	5.77	5.55	5.29

Lambs on Feed (Native) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUM)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.28	0.26	0.25	0.03	0.03	0.03
Decatur	0.34	0.33	0.31	0.04	0.04	0.04
Graham	0.22	0.21	0.20	0.03	0.03	0.02
Norton	1.14	1.09	1.04	0.14	0.14	0.13
Rawling	2.02	1.93	1.84	0.25	0.24	0.23
Sheridan	0.81	0.78	0.74	0.10	0.10	0.09
Sherman	1.51	1.45	1.38	0.19	0.18	0.17
Thomas	1.50	1.43	1.37	0.19	0.18	0.17
District Total	7.83	7.48	7.13	0.98	0.93	0.89
West Central District						
Gove	1.41	1.35	1.29	0.18	0.17	0.16
Greeley	0.27	0.26	0.25	0.03	0.03	0.03
Lane	0.47	0.45	0.43	0.06	0.06	0.05
Logan	1.46	1.39	1.33	0.18	0.17	0.17
Ness	0.71	0.68	0.65	0.09	0.08	0.08
Scott	0.70	0.67	0.64	0.09	0.08	0.08
Trego	0.83	0.79	0.76	0.10	0.10	0.09
Wallace	1.50	1.43	1.37	0.19	0.18	0.17
Wichita	2.64	2.52	2.40	0.33	0.32	0.30
District Total	10.00	9.55	9.11	1.25	1.19	1.14
Southwest District						
Clark	0.53	0.51	0.48	0.07	0.06	0.06
Finney	0.36	0.34	0.33	0.04	0.04	0.04
Ford	0.28	0.27	0.25	0.03	0.03	0.03
Grant	0.19	0.18	0.17	0.02	0.02	0.02
Gray	2.11	2.02	1.92	0.26	0.25	0.24
Hamilton	1.15	1.10	1.05	0.14	0.14	0.13
Raskell	0.12	0.12	0.11	0.02	0.01	0.01
Hodgeman	0.30	0.28	0.27	0.04	0.04	0.03
Kearny	1.11	1.06	1.01	0.14	0.13	0.13
Meade	0.49	0.47	0.45	0.06	0.06	0.06
Morton	0.16	0.15	0.14	0.02	0.02	0.02
Seward	0.16	0.15	0.15	0.02	0.02	0.02
Stanton	0.21	0.20	0.19	0.03	0.02	0.02
Stevens	0.06	0.06	0.05	0.01	0.01	0.01
District Total	7.23	6.91	6.58	0.90	0.86	0.82
North Central District						
Clay	0.81	0.78	0.74	0.10	0.10	0.09
Cloud	0.91	0.87	0.83	0.11	0.11	0.10
Jewell	3.54	3.39	3.23	0.44	0.42	0.40
Mitchell	2.20	2.10	2.00	0.27	0.26	0.25
Osborne	2.07	1.98	1.89	0.26	0.25	0.24
Ottawa	0.84	0.80	0.76	0.10	0.10	0.10
Phillips	0.43	0.41	0.39	0.05	0.05	0.05
Republic	3.55	3.39	3.23	0.44	0.42	0.40
Rock	0.26	0.25	0.24	0.03	0.03	0.03
Smith	1.99	1.90	1.81	0.25	0.24	0.23
Washington	2.50	2.39	2.28	0.31	0.30	0.28
District Total	19.11	18.26	17.41	2.39	2.28	2.18
Central District						
Barton	1.31	1.25	1.20	0.16	0.16	0.15
Dickinson	2.41	2.30	2.20	0.30	0.29	0.27
Ellis	0.47	0.45	0.43	0.06	0.06	0.05
Ellsworth	0.31	0.30	0.29	0.04	0.04	0.04
Lincoln	2.34	2.23	2.13	0.29	0.28	0.27
McPherson	4.12	3.94	3.75	0.51	0.49	0.47
Marion	1.74	1.67	1.59	0.22	0.21	0.20
Rice	1.68	1.61	1.53	0.21	0.20	0.19
Rush	0.75	0.71	0.68	0.09	0.09	0.08
Russell	0.47	0.45	0.43	0.06	0.06	0.05
Saline	0.63	0.61	0.58	0.08	0.08	0.07
District Total	16.24	15.52	14.80	2.03	1.94	1.85
South Central District						
Barber	1.39	1.33	1.27	0.17	0.17	0.16
Comanche	0.50	0.48	0.45	0.06	0.06	0.06
Edwards	0.85	0.81	0.77	0.11	0.10	0.10
Harper	3.65	3.49	3.32	0.46	0.44	0.42
Harvey	5.91	5.65	5.38	0.74	0.71	0.67
Kingman	1.96	1.88	1.79	0.25	0.23	0.22
Kiowa	0.55	0.53	0.51	0.07	0.07	0.06
Pawnee	0.77	0.73	0.70	0.10	0.09	0.09
Pratt	0.55	0.53	0.51	0.07	0.07	0.06
Reno	9.86	9.43	8.99	1.23	1.18	1.12
Sedgwick	14.27	13.64	13.00	1.78	1.70	1.63
Stafford	0.82	0.79	0.75	0.10	0.10	0.09
Sumner	4.06	3.88	3.70	0.51	0.48	0.46
District Total	45.15	43.15	41.14	5.64	5.39	5.14

Lambs on Feed (Native) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.51	0.49	0.47	0.06	0.06	0.06
Brown	0.82	0.78	0.75	0.10	0.10	0.09
Doniphan	0.61	0.58	0.55	0.08	0.07	0.07
Jackson	1.56	1.50	1.43	0.20	0.19	0.18
Jefferson	0.30	0.28	0.27	0.04	0.04	0.03
Leavenworth	0.48	0.46	0.44	0.06	0.06	0.05
Marshall	0.74	0.71	0.67	0.09	0.09	0.08
Nemaha	0.69	0.66	0.63	0.09	0.08	0.08
Pottawatomie	0.91	0.87	0.83	0.11	0.11	0.10
Riley	1.25	1.19	1.14	0.16	0.15	0.14
Wyandotte	0.08	0.08	0.08	0.01	0.01	0.01
District Total	7.95	7.60	7.25	0.99	0.95	0.91
East Central District						
Anderson	0.71	0.68	0.65	0.09	0.09	0.08
Chase	0.58	0.56	0.53	0.07	0.07	0.07
Coffey	0.32	0.31	0.29	0.04	0.04	0.04
Douglas	0.76	0.73	0.69	0.10	0.09	0.09
Franklin	1.33	1.27	1.21	0.17	0.16	0.15
Geary	0.29	0.27	0.26	0.04	0.03	0.03
Johnson	0.45	0.43	0.41	0.06	0.05	0.05
Linn	0.17	0.16	0.16	0.02	0.02	0.02
Lyon	0.34	0.32	0.31	0.04	0.04	0.04
Miami	0.53	0.51	0.48	0.07	0.06	0.06
Morris	0.41	0.39	0.37	0.05	0.05	0.05
Osage	0.83	0.80	0.76	0.10	0.10	0.09
Shawnee	0.70	0.67	0.64	0.09	0.08	0.08
Wabaunsee	3.40	3.25	3.10	0.43	0.41	0.39
District Total	10.84	10.36	9.88	1.36	1.30	1.23
Southeast District						
Allen	0.55	0.53	0.50	0.07	0.07	0.06
Bourbon	0.47	0.45	0.43	0.06	0.06	0.05
Butler	1.72	1.64	1.57	0.22	0.21	0.20
Chautauqua	0.52	0.50	0.48	0.07	0.06	0.06
Cherokee	0.12	0.11	0.11	0.01	0.01	0.01
Cowley	2.78	2.65	2.53	0.35	0.33	0.32
Crawford	0.74	0.71	0.67	0.09	0.09	0.08
Elk	0.53	0.50	0.48	0.07	0.06	0.06
Greenwood	0.43	0.41	0.39	0.05	0.05	0.05
Labette	0.73	0.70	0.67	0.09	0.09	0.08
Montgomery	0.47	0.45	0.43	0.06	0.06	0.05
Neosho	0.45	0.43	0.41	0.06	0.05	0.05
Wilson	0.48	0.46	0.44	0.06	0.06	0.05
Woodson	0.67	0.64	0.61	0.08	0.08	0.08
District Total	10.65	10.18	9.71	1.33	1.27	1.21
State	135.00	129.00	123.00	16.88	16.13	15.38

Lambs on Feed (Shipped-In) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.13	0.13	0.13	0.01	0.01	0.01
Decatur	0.16	0.16	0.16	0.02	0.02	0.02
Graham	0.10	0.10	0.10	0.01	0.01	0.01
Norton	0.54	0.54	0.54	0.06	0.06	0.06
Rawlins	0.96	0.96	0.96	0.11	0.11	0.11
Sheridan	0.39	0.39	0.39	0.04	0.04	0.04
Sherman	0.72	0.72	0.72	0.08	0.08	0.08
Thomas	0.71	0.71	0.71	0.08	0.08	0.08
District Total	3.71	3.71	3.71	0.41	0.41	0.41
West Central District						
Gove	0.67	0.67	0.67	0.07	0.07	0.07
Greeley	0.13	0.13	0.13	0.01	0.01	0.01
Lane	0.22	0.22	0.22	0.02	0.02	0.02
Logan	0.69	0.69	0.69	0.08	0.08	0.08
Ness	0.34	0.34	0.34	0.04	0.04	0.04
Scott	0.33	0.33	0.33	0.04	0.04	0.04
Trego	0.39	0.39	0.39	0.04	0.04	0.04
Wallace	0.71	0.71	0.71	0.08	0.08	0.08
Wichita	1.25	1.25	1.25	0.14	0.14	0.14
District Total	4.74	4.74	4.74	0.52	0.52	0.52
Southwest District						
Clark	0.25	0.25	0.25	0.03	0.03	0.03
Finney	0.17	0.17	0.17	0.02	0.02	0.02
Ford	0.13	0.13	0.13	0.01	0.01	0.01
Grant	0.09	0.09	0.09	0.01	0.01	0.01
Gray	1.00	1.00	1.00	0.11	0.11	0.11
Hamilton	0.55	0.55	0.55	0.06	0.06	0.06
Haskell	0.06	0.06	0.06	0.01	0.01	0.01
Hodgeman	0.14	0.14	0.14	0.02	0.02	0.02
Kearny	0.53	0.53	0.53	0.06	0.06	0.06
Meade	0.23	0.23	0.23	0.03	0.03	0.03
Morton	0.07	0.07	0.07	0.01	0.01	0.01
Seward	0.08	0.08	0.08	0.01	0.01	0.01
Stanton	0.10	0.10	0.10	0.01	0.01	0.01
Stevens	0.03	0.03	0.03	0.00	0.00	0.00
District Total	3.43	3.43	3.43	0.38	0.38	0.38
North Central District						
Clay	0.39	0.39	0.39	0.04	0.04	0.04
Cloud	0.43	0.43	0.43	0.05	0.05	0.05
Jewell	1.68	1.68	1.68	0.18	0.18	0.18
Mitchell	1.04	1.04	1.04	0.11	0.11	0.11
Osborne	0.98	0.98	0.98	0.11	0.11	0.11
Ottawa	0.40	0.40	0.40	0.04	0.04	0.04
Phillips	0.20	0.20	0.20	0.02	0.02	0.02
Republic	1.68	1.68	1.68	0.18	0.18	0.18
Rooks	0.12	0.12	0.12	0.01	0.01	0.01
Smith	0.94	0.94	0.94	0.10	0.10	0.10
Washington	1.19	1.19	1.19	0.13	0.13	0.13
District Total	9.06	9.06	9.06	0.99	0.99	0.99
Central District						
Barton	0.62	0.62	0.62	0.07	0.07	0.07
Dickinson	1.14	1.14	1.14	0.13	0.13	0.13
Ellis	0.22	0.22	0.22	0.02	0.02	0.02
Ellsworth	0.15	0.15	0.15	0.02	0.02	0.02
Lincoln	1.11	1.11	1.11	0.12	0.12	0.12
McPherson	1.95	1.95	1.95	0.21	0.21	0.21
Marion	0.83	0.83	0.83	0.09	0.09	0.09
Rice	0.80	0.80	0.80	0.09	0.09	0.09
Rush	0.35	0.35	0.35	0.04	0.04	0.04
Russell	0.22	0.22	0.22	0.02	0.02	0.02
Saline	0.30	0.30	0.30	0.03	0.03	0.03
District Total	7.70	7.70	7.70	0.84	0.84	0.84
South Central District						
Barber	0.66	0.66	0.66	0.07	0.07	0.07
Comanche	0.24	0.24	0.24	0.03	0.03	0.03
Edwards	0.40	0.40	0.40	0.04	0.04	0.04
Harper	1.73	1.73	1.73	0.19	0.19	0.19
Harvey	2.80	2.80	2.80	0.31	0.31	0.31
Kingman	0.93	0.93	0.93	0.10	0.10	0.10
Kiowa	0.26	0.26	0.26	0.03	0.03	0.03
Pawnee	0.36	0.36	0.36	0.04	0.04	0.04
Pratt	0.26	0.26	0.26	0.03	0.03	0.03
Reno	4.68	4.68	4.68	0.51	0.51	0.51
Sedgwick	6.77	6.77	6.77	0.74	0.74	0.74
Stafford	0.39	0.39	0.39	0.04	0.04	0.04
Sumner	1.92	1.92	1.92	0.21	0.21	0.21
District Total	21.41	21.41	21.41	2.34	2.34	2.34

Lambs on Feed (Shipped-In) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 PUF)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	0.24	0.24	0.24	0.03	0.03	0.03
Brown	0.39	0.39	0.39	0.04	0.04	0.04
Doniphan	0.29	0.29	0.29	0.03	0.03	0.03
Jackson	0.74	0.74	0.74	0.08	0.08	0.08
Jefferson	0.14	0.14	0.14	0.02	0.02	0.02
Leavenworth	0.23	0.23	0.23	0.03	0.03	0.03
Marshall	0.35	0.35	0.35	0.04	0.04	0.04
Nemaha	0.33	0.33	0.33	0.04	0.04	0.04
Pottawatomie	0.43	0.43	0.43	0.05	0.05	0.05
Riley	0.59	0.59	0.59	0.06	0.06	0.06
Wyandotte	0.04	0.04	0.04	0.00	0.00	0.00
District Total	3.77	3.77	3.77	0.41	0.41	0.41
East Central District						
Anderson	0.34	0.34	0.34	0.04	0.04	0.04
Chase	0.28	0.28	0.28	0.03	0.03	0.03
Coffey	0.15	0.15	0.15	0.02	0.02	0.02
Douglas	0.36	0.36	0.36	0.04	0.04	0.04
Franklin	0.63	0.63	0.63	0.07	0.07	0.07
Geary	0.14	0.14	0.14	0.01	0.01	0.01
Johnson	0.21	0.21	0.21	0.02	0.02	0.02
Linn	0.08	0.08	0.08	0.01	0.01	0.01
Lyon	0.16	0.16	0.16	0.02	0.02	0.02
Miami	0.25	0.25	0.25	0.03	0.03	0.03
Morris	0.19	0.19	0.19	0.02	0.02	0.02
Osage	0.40	0.40	0.40	0.04	0.04	0.04
Shawnee	0.33	0.33	0.33	0.04	0.04	0.04
Wabaunsee	1.61	1.61	1.61	0.18	0.18	0.18
District Total	5.14	5.14	5.14	0.56	0.56	0.56
Southeast District						
Allen	0.26	0.26	0.26	0.03	0.03	0.03
Bourbon	0.23	0.23	0.23	0.02	0.02	0.02
Butler	0.82	0.82	0.82	0.09	0.09	0.09
Chautauqua	0.25	0.25	0.25	0.03	0.03	0.03
Cherokee	0.05	0.05	0.05	0.01	0.01	0.01
Cowley	1.32	1.32	1.32	0.14	0.14	0.14
Crawford	0.35	0.35	0.35	0.04	0.04	0.04
Elk	0.25	0.25	0.25	0.03	0.03	0.03
Greenwood	0.20	0.20	0.20	0.02	0.02	0.02
Labette	0.35	0.35	0.35	0.04	0.04	0.04
Montgomery	0.22	0.22	0.22	0.02	0.02	0.02
Neosho	0.21	0.21	0.21	0.02	0.02	0.02
Wilson	0.23	0.23	0.23	0.03	0.03	0.03
Woodson	0.32	0.32	0.32	0.03	0.03	0.03
District Total	5.05	5.05	5.05	0.55	0.55	0.55
State	64.00	64.00	64.00	7.01	7.01	7.01

Hens and Pullets Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	0.98	0.92	0.86	0.05	0.05	0.05
Decatur	4.15	3.91	3.66	0.23	0.21	0.20
Graham	1.85	1.74	1.63	0.10	0.10	0.09
Norton	3.14	2.95	2.77	0.17	0.16	0.15
Rawlins	8.45	7.95	7.45	0.46	0.44	0.41
Sheridan	5.42	5.10	4.78	0.30	0.28	0.26
Sherman	1.23	1.16	1.09	0.07	0.06	0.06
Thomas	1.76	1.66	1.55	0.10	0.09	0.09
District Total	26.98	25.39	23.78	1.48	1.40	1.31
West Central District						
Gove	2.04	1.92	1.80	0.11	0.11	0.10
Greeley	5.22	4.92	4.61	0.29	0.27	0.25
Lane	1.01	0.95	0.89	0.06	0.05	0.05
Logan	0.85	0.80	0.75	0.05	0.04	0.04
Ness	15.96	15.02	14.07	0.88	0.83	0.77
Scott	1.07	1.01	0.95	0.06	0.06	0.05
Trego	9.81	9.23	8.65	0.54	0.51	0.48
Wallace	0.84	0.79	0.74	0.05	0.04	0.04
Wichita	1.20	1.13	1.06	0.07	0.06	0.06
District Total	38.00	35.76	33.50	2.09	1.97	1.84
Southwest District						
Clark	0.82	0.77	0.72	0.04	0.04	0.04
Finney	1.58	1.49	1.40	0.09	0.08	0.08
Ford	8.43	7.93	7.43	0.46	0.44	0.41
Grant	1.53	1.44	1.35	0.08	0.08	0.07
Gray	1.17	1.10	1.04	0.06	0.06	0.06
Hamilton	0.55	0.52	0.49	0.03	0.03	0.03
Haskell	0.33	0.31	0.29	0.02	0.02	0.02
Hodgeman	1.23	1.15	1.08	0.07	0.06	0.06
Kearny	0.90	0.85	0.79	0.05	0.05	0.04
Meade	1.06	1.00	0.93	0.06	0.05	0.05
Morton	0.87	0.82	0.76	0.05	0.04	0.04
Seward	0.47	0.45	0.42	0.03	0.02	0.02
Stanton	0.56	0.53	0.50	0.03	0.03	0.03
Stevens	0.62	0.59	0.55	0.03	0.03	0.03
District Total	20.12	18.94	17.74	1.11	1.04	0.98
North Central District						
Clay	90.97	85.62	80.21	5.00	4.71	4.41
Cloud	2.38	2.24	2.10	0.13	0.12	0.12
Jewell	4.97	4.68	4.38	0.27	0.26	0.24
Mitchell	1.93	1.81	1.70	0.11	0.10	0.09
Osborne	3.31	3.11	2.92	0.18	0.17	0.16
Ottawa	2.96	2.78	2.61	0.16	0.15	0.14
Phillips	4.49	4.22	3.96	0.25	0.23	0.22
Republic	10.27	9.66	9.05	0.56	0.53	0.50
Rooks	2.46	2.32	2.17	0.14	0.13	0.12
Smith	4.20	3.95	3.70	0.23	0.22	0.20
Washington	15.14	14.25	13.35	0.83	0.78	0.73
District Total	143.08	134.65	126.15	7.87	7.41	6.94
Central District						
Barton	33.06	31.12	29.15	1.82	1.71	1.60
Dickinson	43.85	41.27	38.66	2.41	2.27	2.13
Ellis	5.21	4.90	4.59	0.29	0.27	0.25
Ellsworth	5.24	4.93	4.62	0.29	0.27	0.25
Lincoln	3.56	3.35	3.14	0.20	0.18	0.17
McPherson	147.74	139.04	130.26	8.13	7.65	7.16
Marion	108.78	102.37	95.91	5.98	5.63	5.27
Rice	2.78	2.62	2.45	0.15	0.14	0.13
Rush	6.77	6.37	5.97	0.37	0.35	0.33
Russell	3.60	3.38	3.17	0.20	0.19	0.17
Saline	6.28	5.91	5.54	0.35	0.33	0.30
District Total	366.85	345.25	323.44	20.18	18.99	17.79
South Central District						
Barber	1.29	1.22	1.14	0.07	0.07	0.06
Comanche	0.47	0.45	0.42	0.03	0.02	0.02
Edwards	1.24	1.16	1.09	0.07	0.06	0.06
Harper	69.34	65.26	61.14	3.81	3.59	3.36
Harvey	100.61	94.68	88.70	5.53	5.21	4.88
Kingman	12.76	12.01	11.25	0.70	0.66	0.62
Kiowa	10.86	10.22	9.58	0.60	0.56	0.53
Pawnee	1.98	1.87	1.75	0.11	0.10	0.10
Pratt	18.95	17.84	16.71	1.04	0.98	0.92
Reno	245.23	230.79	216.21	13.49	12.69	11.89
Sedgwick	108.82	102.41	95.95	5.99	5.63	5.28
Stafford	6.26	5.89	5.52	0.34	0.32	0.30
Sumner	6.19	5.82	5.45	0.34	0.32	0.30
District Total	584.00	549.61	514.90	32.12	30.23	28.32

Hens and Pullets Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	9.58	9.02	8.45	0.53	0.50	0.46
Brown	3.60	3.38	3.17	0.20	0.19	0.17
Doniphan	4.84	4.56	4.27	0.27	0.25	0.23
Jackson	32.14	30.25	28.34	1.77	1.66	1.56
Jefferson	4.68	4.40	4.12	0.26	0.24	0.23
Leavenworth	17.28	16.27	15.24	0.95	0.89	0.84
Marshall	20.09	18.90	17.71	1.10	1.04	0.97
Nemaha	47.53	44.73	41.91	2.61	2.46	2.30
Pottawatomie	9.33	8.78	8.22	0.51	0.48	0.45
Riley	13.97	13.15	12.32	0.77	0.72	0.68
Wyandotte	3.82	3.60	3.37	0.21	0.20	0.19
District Total	166.86	157.03	147.11	9.18	8.64	8.09
East Central District						
Anderson	30.73	28.92	27.09	1.69	1.59	1.49
Chase	27.78	26.15	24.49	1.53	1.44	1.35
Coffey	46.07	43.36	40.62	2.53	2.38	2.23
Douglas	7.52	7.08	6.63	0.41	0.39	0.36
Franklin	5.79	5.45	5.10	0.32	0.30	0.28
Geary	3.09	2.91	2.72	0.17	0.16	0.15
Johnson	8.48	7.98	7.47	0.47	0.44	0.41
Linn	3.26	3.07	2.88	0.18	0.17	0.16
Lyon	79.96	75.25	70.50	4.40	4.14	3.88
Miami	11.67	10.98	10.29	0.64	0.60	0.57
Morris	4.11	3.86	3.62	0.23	0.21	0.20
Osage	4.91	4.62	4.33	0.27	0.25	0.24
Shawnee	20.69	19.47	18.24	1.14	1.07	1.00
Wabaunsee	134.58	126.66	118.66	7.40	6.97	6.53
District Total	388.63	365.74	342.64	21.37	20.12	18.85
Southeast District						
Allen	5.00	4.71	4.41	0.28	0.26	0.24
Bourbon	4.92	4.63	4.34	0.27	0.25	0.24
Butler	28.97	27.27	25.54	1.59	1.50	1.40
Chautauqua	2.44	2.29	2.15	0.13	0.13	0.12
Cherokee	3.41	3.21	3.01	0.19	0.18	0.17
Cowley	5.80	5.46	5.11	0.32	0.30	0.28
Crawford	2.74	2.58	2.42	0.15	0.14	0.13
Elk	5.01	4.71	4.42	0.28	0.26	0.24
Greenwood	1.75	1.65	1.55	0.10	0.09	0.09
Labette	3.30	3.10	2.91	0.18	0.17	0.16
Montgomery	5.55	5.23	4.90	0.31	0.29	0.27
Neosho	6.71	6.31	5.91	0.37	0.35	0.33
Wilson	4.15	3.91	3.66	0.23	0.21	0.20
Woodson	2.73	2.57	2.41	0.15	0.14	0.13
District Total	82.49	77.63	72.73	4.54	4.27	4.00
State	1817.00	1710.00	1602.00	99.94	94.05	88.11

Other Chicken Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northwest District						
Cheyenne	1.28	1.26	1.24	0.04	0.03	0.03
Decatur	5.44	5.35	5.26	0.15	0.15	0.14
Graham	2.42	2.38	2.34	0.07	0.07	0.06
Norton	4.11	4.05	3.98	0.11	0.11	0.11
Rawlins	11.07	10.89	10.70	0.30	0.30	0.29
Sheridan	7.10	6.99	6.87	0.20	0.19	0.19
Sherman	1.61	1.59	1.56	0.04	0.04	0.04
Thomas	2.31	2.27	2.23	0.06	0.06	0.06
District Total	35.34	34.76	34.19	0.97	0.96	0.94
West Central District						
Gove	2.67	2.63	2.59	0.07	0.07	0.07
Greeley	6.84	6.73	6.62	0.19	0.19	0.18
Lane	1.33	1.30	1.28	0.04	0.04	0.04
Logan	1.12	1.10	1.08	0.03	0.03	0.03
Ness	20.91	20.56	20.22	0.57	0.57	0.56
Scott	1.41	1.38	1.36	0.04	0.04	0.04
Trego	12.85	12.64	12.43	0.35	0.35	0.34
Wallace	1.09	1.08	1.06	0.03	0.03	0.03
Wichita	1.57	1.55	1.52	0.04	0.04	0.04
District Total	49.79	48.97	48.15	1.37	1.35	1.32
Southwest District						
Clark	1.07	1.05	1.04	0.03	0.03	0.03
Finney	2.07	2.04	2.01	0.06	0.06	0.06
Ford	11.04	10.86	10.68	0.30	0.30	0.29
Grant	2.00	1.97	1.93	0.05	0.05	0.05
Gray	1.54	1.51	1.49	0.04	0.04	0.04
Hamilton	0.73	0.71	0.70	0.02	0.02	0.02
Haskell	0.43	0.42	0.41	0.01	0.01	0.01
Hodgeman	1.61	1.58	1.55	0.04	0.04	0.04
Kearny	1.18	1.16	1.14	0.03	0.03	0.03
Meade	1.39	1.37	1.34	0.04	0.04	0.04
Morton	1.13	1.12	1.10	0.03	0.03	0.03
Seward	0.62	0.61	0.60	0.02	0.02	0.02
Stanton	0.74	0.73	0.71	0.02	0.02	0.02
Stevens	0.82	0.80	0.79	0.02	0.02	0.02
District Total	26.37	25.94	25.50	0.73	0.71	0.70
North Central District						
Clay	119.19	117.24	115.28	3.28	3.22	3.17
Cloud	3.12	3.07	3.02	0.09	0.08	0.08
Jewell	6.52	6.41	6.30	0.18	0.18	0.17
Mitchell	2.52	2.48	2.44	0.07	0.07	0.07
Osborne	4.33	4.26	4.19	0.12	0.12	0.12
Ottawa	3.88	3.81	3.75	0.11	0.10	0.10
Phillips	5.88	5.79	5.69	0.16	0.16	0.16
Republic	13.45	13.23	13.01	0.37	0.36	0.36
Rooks	3.23	3.17	3.12	0.09	0.09	0.09
Smith	5.50	5.41	5.32	0.15	0.15	0.15
Washington	19.84	19.51	19.19	0.55	0.54	0.53
District Total	187.46	184.39	181.31	5.16	5.07	4.99
Central District						
Barton	43.32	42.61	41.90	1.19	1.17	1.15
Dickinson	57.45	56.51	55.57	1.58	1.55	1.53
Ellis	6.82	6.71	6.60	0.19	0.18	0.18
Ellsworth	6.86	6.75	6.64	0.19	0.19	0.18
Lincoln	4.67	4.59	4.51	0.13	0.13	0.12
McPherson	193.56	190.39	187.21	5.32	5.24	5.15
Marion	142.52	140.18	137.84	3.92	3.85	3.79
Rice	3.64	3.58	3.52	0.10	0.10	0.10
Rush	8.87	8.72	8.58	0.24	0.24	0.24
Russell	4.71	4.64	4.56	0.13	0.13	0.13
Saline	8.23	8.09	7.96	0.23	0.22	0.22
District Total	480.64	472.76	464.88	13.22	13.00	12.78
South Central District						
Barber	1.69	1.67	1.64	0.05	0.05	0.05
Comanche	0.62	0.61	0.60	0.02	0.02	0.02
Edwards	0.01	0.01	0.01	0.00	0.00	0.00
Harper	90.85	89.36	87.87	2.50	2.46	2.42
Harvey	131.81	129.65	127.49	3.62	3.57	3.51
Kingman	16.71	16.44	16.16	0.46	0.45	0.44
Kiowa	14.23	14.00	13.76	0.39	0.38	0.38
Pawnee	2.60	2.56	2.51	0.07	0.07	0.07
Pratt	24.83	24.43	24.02	0.68	0.67	0.66
Reno	321.29	316.02	310.76	8.84	8.69	8.55
Sedgwick	142.58	140.24	137.90	3.92	3.86	3.79
Stafford	8.20	8.06	7.93	0.23	0.22	0.22
Sumner	8.11	7.97	7.84	0.22	0.22	0.22
District Total	763.53	751.02	738.50	21.00	20.65	20.31

Other Chicken Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Projections (000 heads)			Projections (000 FUT)		
	1990	2000	2010	1990	2000	2010
Northeast District						
Atchison	12.55	12.35	12.14	0.35	0.34	0.33
Brown	4.71	4.64	4.56	0.13	0.13	0.13
Doniphan	6.34	6.24	6.13	0.17	0.17	0.17
Jackson	42.11	41.42	40.73	1.16	1.14	1.12
Jefferson	6.13	6.03	5.93	0.17	0.17	0.16
Leavenworth	22.65	22.28	21.90	0.62	0.61	0.60
Marshall	26.32	25.89	25.45	0.72	0.71	0.70
Nemaha	62.27	61.25	60.23	1.71	1.68	1.66
Pottawatomie	12.22	12.02	11.82	0.34	0.33	0.33
Riley	18.31	18.01	17.71	0.50	0.50	0.49
Wyandotte	5.01	4.92	4.84	0.14	0.14	0.13
District Total	218.62	215.03	211.45	6.01	5.91	5.81
East Central District						
Anderson	40.26	39.60	38.94	1.11	1.09	1.07
Chase	36.40	35.80	35.21	1.00	0.98	0.97
Coffey	60.36	59.38	58.39	1.66	1.63	1.61
Douglas	9.86	9.70	9.53	0.27	0.27	0.26
Franklin	7.58	7.46	7.33	0.21	0.21	0.20
Geary	4.04	3.98	3.91	0.11	0.11	0.11
Johnson	11.11	10.93	10.74	0.31	0.30	0.30
Linn	4.27	4.20	4.13	0.12	0.12	0.11
Lyon	104.76	103.04	101.32	2.88	2.83	2.79
Miami	15.28	15.03	14.78	0.42	0.41	0.41
Morris	5.38	5.29	5.20	0.15	0.15	0.14
Osage	6.43	6.32	6.22	0.18	0.17	0.17
Shawnee	27.11	26.66	26.22	0.75	0.73	0.72
Wabaunsee	176.32	173.43	170.54	4.85	4.77	4.69
District Total	509.17	500.82	492.48	14.00	13.77	13.54
Southeast District						
Allen	6.56	6.45	6.34	0.18	0.18	0.17
Bourbon	6.45	6.35	6.24	0.18	0.17	0.17
Butler	37.96	37.34	36.72	1.04	1.03	1.01
Chautauqua	3.19	3.14	3.09	0.09	0.09	0.08
Cherokee	4.47	4.40	4.32	0.12	0.12	0.12
Cowley	7.60	7.47	7.35	0.21	0.21	0.20
Crawford	3.59	3.53	3.47	0.10	0.10	0.10
Elk	6.56	6.45	6.35	0.18	0.18	0.17
Greenwood	2.30	2.26	2.22	0.06	0.06	0.06
Labette	4.32	4.25	4.18	0.12	0.12	0.11
Montgomery	7.28	7.16	7.04	0.20	0.20	0.19
Neosho	8.79	8.64	8.50	0.24	0.24	0.23
Wilson	5.44	5.35	5.26	0.15	0.15	0.14
Woodson	3.58	3.52	3.46	0.10	0.10	0.10
District Total	108.08	106.31	104.53	2.97	2.92	2.87
State Total	2379.00	2340.00	2301.00	65.42	64.35	63.28

Appendix F
Feed Grain Balances by County, Trend Method,
Years 1990, 2000, and 2010

Feedgrain Surplus (Deficit) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Production (000 FUM)			Consumption (000 FUM)			Balance (000 FUM)		
	1989	1999	2009	1990	2000	2010	1990	2000	2010
Northwest District									
Cheyenne	78.86	88.36	97.35	31.67	31.61	31.53	47.19	56.74	65.81
Decatur	87.62	100.79	113.51	75.25	75.35	75.27	12.37	25.44	38.23
Graham	45.90	53.05	59.99	21.91	21.51	21.23	23.99	31.55	38.76
Norton	59.67	69.04	78.11	14.74	13.99	13.48	44.93	55.05	64.63
Rawlins	72.94	84.45	95.60	25.10	23.83	22.96	47.85	60.62	72.64
Sheridan	180.64	203.66	225.57	100.70	100.68	100.50	79.94	102.97	125.07
Sherman	159.78	177.08	193.26	59.48	59.69	59.73	100.30	117.39	133.52
Thomas	225.90	253.88	280.43	49.65	49.86	49.91	176.26	204.02	230.52
District Total	911.31	1030.30	1143.81	378.50	376.52	374.62	532.81	653.78	769.19
West Central District									
Cheyenne	66.73	77.55	88.06	117.78	118.39	118.58	-51.05	-40.84	-30.52
Greeley	66.07	74.85	83.25	93.94	94.92	95.35	-27.87	-20.07	-12.10
Lane	47.17	54.76	62.13	115.90	117.25	117.91	-68.73	-62.50	-55.78
Logan	48.99	56.15	63.05	15.44	15.30	15.19	33.56	40.86	47.87
Mesa	35.74	41.96	48.04	13.47	12.99	12.54	22.27	28.97	35.51
Scott	121.59	138.72	155.16	291.32	295.04	296.89	-169.72	-156.33	-141.72
Trego	37.07	43.37	49.53	43.45	42.84	42.33	-6.39	0.54	7.20
Wallace	115.40	128.59	141.01	12.38	12.22	12.10	103.02	116.37	128.91
Wichita	156.15	176.75	196.42	276.09	279.45	281.08	-119.94	-102.70	-84.66
District Total	694.91	792.71	886.65	979.76	988.40	991.96	-284.85	-195.69	-105.30
Southwest District									
Clark	11.34	13.28	15.16	48.61	49.09	49.31	-37.27	-35.81	-34.15
Finney	373.86	421.77	467.39	367.68	372.42	374.76	6.17	49.35	92.62
Ford	220.23	250.58	279.67	297.45	300.55	301.93	-77.22	-49.97	-22.26
Grant	252.72	287.91	321.68	221.78	224.44	225.73	30.94	63.47	95.94
Gray	360.57	406.07	449.32	198.78	201.16	202.32	161.79	204.90	247.00
Hamilton	51.74	59.57	67.15	85.70	86.66	87.12	-33.96	-27.09	-19.98
Haskell	426.21	477.32	525.66	406.21	411.48	414.10	20.00	65.84	111.57
Hodgeman	47.44	55.19	62.73	94.92	95.54	95.78	-47.47	-40.34	-33.05
Kearny	129.19	145.55	161.12	188.20	190.55	191.70	-59.01	-45.00	-30.59
Meade	227.55	262.00	295.29	32.21	32.22	32.17	195.33	229.78	263.12
Morton	140.68	164.54	187.80	13.44	13.40	13.36	127.23	151.13	174.44
Severn	177.64	205.47	232.44	186.95	189.35	190.54	-9.32	16.12	41.90
Stanton	225.83	255.67	284.18	115.78	116.98	117.55	110.05	138.70	166.62
Stevens	330.33	383.68	435.50	79.64	80.54	80.98	250.69	303.13	354.52
District Total	2975.31	3388.59	3785.09	2337.35	2364.38	2377.37	637.95	1024.21	1407.72
North Central District									
Clay	105.10	121.22	136.81	28.81	26.81	24.71	76.29	94.41	112.10
Cloud	96.50	111.80	126.65	50.94	50.55	50.25	45.56	61.25	76.40
Jewell	147.60	171.91	195.56	30.75	30.04	29.52	116.85	141.87	166.04
Mitchell	83.14	97.37	111.25	92.67	92.55	92.36	-9.53	4.82	18.89
Osborne	52.34	61.19	69.81	40.89	40.41	40.05	11.45	20.78	29.76
Otowa	29.23	34.08	38.79	41.74	41.22	40.83	-12.50	-7.14	-2.05
Phillips	58.50	67.86	76.95	22.26	21.75	21.39	36.24	46.10	55.55
Republic	246.27	280.57	313.49	89.07	88.73	88.32	157.20	191.85	225.17

Feedgrain Surplus (Deficit) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Production (000 PWT)			Consumption (000 PWT)			Balance (000 PWT)		
	1989	1999	2009	1990	2000	2010	1990	2000	2010
Beets	35.28	41.23	47.02	48.55	47.73	47.17	-13.27	-6.50	-0.15
Smith	128.45	150.43	171.87	34.04	33.34	32.84	94.41	117.09	139.03
Washington	237.85	277.64	316.40	67.84	65.54	63.95	170.02	212.10	252.45
District Total	1220.26	1415.28	1604.59	547.55	538.66	531.41	672.71	876.62	1073.18
Central District									
Barton	120.23	138.92	157.01	284.93	286.44	286.70	-164.69	-147.52	-129.69
Dickinson	91.04	106.69	121.96	62.80	61.08	59.55	28.24	45.61	62.40
Ellis	27.23	31.82	36.30	104.51	104.23	103.89	-77.28	-72.41	-67.59
Ellsworth	31.63	37.15	42.55	15.70	15.40	15.15	15.93	21.76	27.40
Lincoln	30.14	44.81	51.33	16.10	15.37	14.88	22.04	29.44	36.45
McPherson	135.17	156.93	178.06	68.93	64.58	60.48	66.23	92.35	117.58
Marion	132.49	155.48	177.93	68.03	62.62	58.27	64.46	92.06	119.65
Rice	137.65	160.28	182.29	65.05	64.32	63.79	72.60	95.96	118.50
Rush	44.66	52.30	59.74	25.96	25.76	25.55	18.70	26.54	34.19
Russell	27.94	32.85	37.65	10.70	9.88	9.34	17.24	22.97	28.31
Saline	37.57	43.94	50.14	36.20	34.92	34.04	1.37	9.02	16.10
District Total	823.76	961.16	1094.97	758.92	744.59	731.66	64.84	216.57	363.31
South Central District									
Barber	10.96	12.78	14.55	35.11	34.42	33.96	-24.16	-21.65	-19.42
Comanche	13.89	16.27	18.58	11.67	11.38	11.19	2.22	4.89	7.40
Edwards	0.00	0.00	0.00	0.12	0.11	0.10	-0.12	-0.11	-0.10
Harper	9.51	11.15	12.74	26.31	24.70	23.04	-16.80	-13.55	-10.30
Harvey	124.00	144.34	164.12	42.00	38.91	36.04	82.00	105.43	128.08
Kingman	36.05	41.94	47.67	41.43	39.64	38.41	-5.38	2.30	9.26
Kiowa	87.29	100.41	113.08	22.60	22.40	22.15	64.68	78.01	90.93
Pawnee	125.91	146.24	166.00	82.16	82.71	82.92	43.74	63.53	83.08
Pratt	147.59	168.54	188.68	98.65	99.03	98.96	48.95	69.51	89.71
Reno	173.51	203.14	232.04	116.92	110.75	104.57	56.59	92.39	127.46
Sedgwick	151.22	174.68	197.40	87.17	79.44	73.63	64.05	95.24	123.77
Stafford	174.89	200.61	225.42	54.57	54.59	54.49	120.31	146.02	170.93
Sumner	42.00	50.17	57.37	24.00	22.86	22.08	18.80	27.32	35.29
District Total	1097.61	1270.27	1437.65	642.72	620.95	601.56	454.89	649.32	836.09
Northeast District									
Atchison	116.26	134.07	151.31	36.99	35.35	34.24	79.27	98.72	117.07
Brown	213.58	242.76	270.72	53.66	51.65	50.36	159.91	191.11	220.37
Donphan	169.91	188.95	206.83	54.93	54.34	53.90	114.97	134.61	152.93
Jackson	86.99	100.61	113.82	39.21	37.10	35.49	47.78	63.52	78.34
Jefferson	109.78	125.39	140.41	37.51	35.41	34.08	72.27	89.98	106.33
Lawrence	75.88	86.86	97.44	40.67	37.22	34.95	35.20	49.64	62.49
Marshall	214.19	250.91	286.74	38.23	35.37	33.42	175.96	215.54	253.32
Nemaha	214.30	250.06	284.89	89.71	83.96	79.97	124.59	166.10	204.92
Pottawatomie	116.44	134.15	151.28	85.14	83.63	82.56	31.30	50.53	68.72
Riley	66.56	77.51	88.15	53.46	52.14	51.17	13.10	25.37	36.98
Wyandotte	15.53	17.29	18.94	28.95	28.70	28.50	-13.42	-11.41	-9.56
District Total	1399.41	1608.58	1810.54	558.48	534.87	518.62	840.93	1073.71	1291.92

Feedgrain Surplus (Deficit) Projections (Trend Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Production (000 FMT)			Consumption (000 FMT)			Balance (000 FMT)		
	1989	1999	2009	1990	2000	2010	1990	2000	2010
East Central District									
Anderson	74.32	85.37	96.03	18.04	15.83	14.20	56.28	69.54	81.84
Chase	23.44	27.30	31.06	35.49	35.03	34.46	-12.06	-7.74	-3.41
Coffey	67.96	78.94	89.60	26.39	25.30	24.19	41.57	53.63	65.41
Douglas	87.20	100.19	112.72	32.44	29.95	28.35	54.76	70.24	84.37
Franklin	81.31	93.52	105.31	40.50	37.63	35.81	40.80	55.88	69.50
Geary	27.04	31.59	36.02	29.44	28.68	28.17	-2.40	2.91	7.85
Johnson	53.74	61.61	69.20	26.09	25.07	24.35	27.65	36.54	44.85
Linn	61.57	71.73	81.61	19.22	17.93	17.11	42.36	53.80	64.50
Lyon	97.74	113.87	129.56	77.71	76.06	74.23	20.03	37.81	55.33
Miami	84.24	97.34	110.02	40.78	38.64	37.21	43.46	58.70	72.81
Morris	64.52	75.54	86.30	46.53	45.33	44.52	17.99	30.22	41.77
Osage	109.70	120.32	146.48	37.85	37.15	36.65	71.85	91.17	109.83
Shawnee	120.90	137.19	152.79	28.86	27.96	27.20	92.03	109.23	125.59
Wabaunsee	67.52	78.29	88.75	50.14	47.58	44.71	17.38	30.71	44.03
District Total	1021.19	1180.79	1335.44	509.49	488.15	471.16	511.70	692.64	864.28
Southeast District									
Allen	53.76	62.57	71.13	34.39	32.37	31.07	19.37	30.20	40.06
Bourbon	50.82	58.99	66.93	26.23	24.33	23.12	24.59	34.66	43.80
Butler	136.37	160.10	183.28	124.65	123.97	123.14	11.72	36.13	60.14
Chautauqua	8.79	10.21	11.58	52.74	52.36	52.07	-43.95	-42.16	-40.49
Cherokee	43.31	50.49	57.47	13.69	13.37	13.14	29.62	37.12	44.34
Cowley	49.07	57.70	66.13	67.02	66.61	66.23	-17.94	-8.91	-0.09
Crawford	77.37	90.15	102.59	54.58	53.54	52.85	22.78	36.61	49.74
Elk	11.86	13.91	15.90	18.63	18.37	18.15	-6.77	-4.46	-2.25
Greenwood	25.43	29.73	33.92	33.02	31.77	30.97	-7.59	-2.04	2.95
Labette	47.83	55.80	63.56	79.84	78.72	77.93	-32.01	-22.92	-14.36
Montgomery	48.64	56.54	64.21	30.10	29.00	28.26	18.54	27.54	35.95
Neosho	55.35	64.61	73.63	41.33	39.63	38.51	14.02	24.98	35.12
Wilson	55.25	64.67	73.86	31.26	30.70	30.31	23.99	33.97	43.55
Woodson	40.28	47.19	53.94	52.03	51.92	51.76	-11.75	-4.72	2.18
District Total	704.15	822.65	938.14	659.53	646.67	637.50	44.62	175.98	300.64
State Total	10864.00	12488.00	14056.00	7372.30	7303.19	7235.85	3491.70	5184.81	6820.15

Appendix G
Feed Grain Balances by County, Forecast Method
Years 1990, 2000, 2010

Feedgrain Surplus (Deficit) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Production (000 PUF)			Consumption (000 PUF)			Balance (000 PUF)		
	1989	1999	2009	1990	2000	2010	1990	2000	2010
Northwest District									
Cheyenne	91.71	103.96	117.80	33.80	34.93	34.33	57.92	69.03	83.48
Decatur	92.90	103.97	114.06	80.31	82.36	81.69	12.60	21.61	32.37
Graham	47.78	53.32	58.09	21.68	19.36	21.35	26.10	33.96	36.74
Norton	61.91	69.06	75.13	14.26	13.30	13.69	47.66	55.76	61.44
Rawlins	75.49	84.18	91.48	23.92	21.38	22.07	51.56	62.79	68.61
Sheridan	205.74	232.56	261.73	107.54	110.72	109.32	98.20	121.84	152.41
Sherman	192.54	219.24	251.25	62.97	62.82	63.96	129.57	156.42	187.28
Thomas	260.11	294.45	332.57	53.16	54.49	54.20	206.95	239.96	278.37
District Total	1028.19	1160.74	1302.11	397.63	399.37	401.41	630.56	761.37	900.70
West Central District									
Gove	68.04	75.71	81.79	126.80	131.24	129.51	-58.76	-55.54	-47.71
Greeley	74.00	83.46	93.39	101.64	105.32	104.26	-27.63	-21.86	-10.87
Lane	48.31	53.79	58.22	126.44	132.01	130.01	-78.13	-79.02	-71.79
Logan	52.65	59.04	65.09	16.02	15.85	16.10	36.63	43.19	48.99
Ness	34.97	38.65	41.04	12.95	12.47	12.70	22.02	26.18	28.35
Scott	132.89	149.37	165.70	318.80	336.22	328.22	-185.90	-186.85	-162.52
Trego	36.76	40.73	43.50	44.11	42.03	43.94	-7.35	-1.30	-0.44
Wallace	136.64	155.24	176.93	12.68	12.27	12.68	123.96	142.97	164.25
Wichita	175.45	197.95	221.75	302.00	318.47	310.78	-126.55	-120.52	-89.03
District Total	759.72	853.94	947.42	1061.43	1106.69	1088.18	-301.71	-252.75	-140.76
Southwest District									
Clark	11.24	12.45	13.30	52.44	54.18	53.75	-41.20	-41.73	-40.45
Finney	424.92	480.18	540.01	402.74	425.42	414.74	22.18	54.76	125.27
Ford	243.00	273.49	304.43	324.20	341.10	333.10	-81.20	-67.60	-28.67
Grant	277.58	312.22	346.98	241.23	251.29	247.85	36.35	60.92	99.12
Gray	412.26	466.24	525.38	216.94	227.91	223.13	195.32	238.33	302.25
Hamilton	54.65	61.13	66.96	93.15	97.06	95.66	-38.50	-35.94	-28.70
Haskell	496.49	562.89	638.20	444.99	469.91	458.26	51.50	92.99	179.95
Hodgeman	48.17	53.56	57.77	102.46	106.37	104.79	-54.28	-52.80	-47.02
Kearny	147.49	166.77	187.83	205.03	216.92	211.05	-58.34	-50.15	-24.02
Meade	240.41	268.91	294.60	34.32	35.22	34.88	206.09	233.68	259.72
Morton	139.81	154.94	165.63	13.46	11.90	13.43	126.35	143.04	152.21
Seward	184.45	205.79	223.95	204.75	216.25	210.84	-20.30	-10.46	13.11
Stanton	253.56	286.06	320.36	124.52	126.77	127.44	129.04	159.29	192.93
Stevens	337.52	375.65	406.19	86.92	91.44	89.36	250.60	284.21	316.83
District Total	3271.57	3680.29	4091.60	2547.94	2671.74	2619.08	723.62	1008.55	1472.52
North Central District									
Clay	110.33	123.29	134.74	25.21	24.46	23.97	85.12	98.83	110.77
Cloud	99.57	110.98	120.47	50.28	42.74	49.72	49.29	68.24	70.75
Jewell	149.20	165.78	178.47	29.32	27.13	28.85	119.08	138.65	149.62
Mitchell	82.19	91.01	97.08	95.12	88.54	95.48	-12.92	2.48	1.59
Osborne	52.12	57.78	61.81	40.95	37.00	40.62	11.17	20.78	21.19
Ottoe	29.45	32.71	35.17	42.87	41.46	42.83	-13.42	-8.75	-7.66
Phillips	60.06	66.90	72.48	21.89	19.81	21.52	38.17	47.09	50.96
Republic	270.45	304.19	338.03	91.89	88.00	92.38	178.56	216.19	245.66

Feedgrain Surplus (Deficit) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Production (000 PUF)			Consumption (000 PUF)			Balance (000 PUF)		
	1989	1999	2009	1990	2000	2010	1990	2000	2010
Rooks	35.21	39.04	41.01	47.89	41.78	47.08	-12.68	-2.74	-5.28
Smith	127.00	140.63	150.01	34.72	33.93	34.49	92.28	106.70	115.51
Washington	218.29	264.41	283.60	66.44	60.46	64.67	171.84	203.95	218.93
District Total	1253.87	1396.72	1513.67	546.58	505.30	541.62	707.29	891.42	972.04
Central District									
Barton	125.38	139.97	152.57	300.64	297.81	305.60	-175.26	-157.84	-153.03
Dickinson	89.77	99.36	105.87	63.03	62.57	62.44	26.74	36.79	43.42
Ellis	27.13	30.09	32.20	109.64	108.69	110.72	-82.50	-78.60	-78.52
Ellsworth	30.89	34.14	36.23	15.75	15.04	15.63	15.14	19.10	20.60
Lincoln	37.21	41.11	43.60	15.61	14.44	15.07	21.60	26.68	28.53
McPherson	138.35	154.02	166.66	63.00	60.82	60.22	75.35	93.20	106.44
Marion	129.91	143.56	152.69	60.61	54.52	56.31	69.29	89.14	96.38
Rice	139.28	154.78	166.70	65.81	60.61	65.43	73.47	94.17	101.27
Rush	44.18	48.93	52.20	25.66	22.44	25.46	18.53	26.49	26.74
Russell	27.19	30.03	31.82	10.02	9.33	9.37	17.17	20.70	22.44
Saline	37.35	41.40	44.26	36.79	36.87	36.19	0.56	4.52	8.07
District Total	826.64	917.49	984.79	766.55	743.15	762.44	60.09	174.34	222.35
South Central District									
Barber	11.02	12.24	13.15	34.65	30.78	34.06	-23.63	-18.54	-20.91
Comanche	13.74	15.22	16.24	11.69	11.13	11.53	2.05	4.09	4.70
Edwards	174.13	196.17	218.93	54.67	57.48	55.95	119.45	138.70	162.97
Harper	9.38	10.38	11.06	23.60	23.15	22.72	-14.22	-12.78	-11.66
Harvey	125.63	139.64	150.47	37.54	36.00	35.47	88.09	103.64	115.00
Kingman	36.58	40.67	43.86	39.53	34.53	37.95	-2.94	6.14	5.91
Kiowa	92.54	103.57	113.61	22.24	19.68	22.08	70.30	83.88	91.53
Pawnee	128.64	143.17	154.80	88.44	91.19	90.40	40.20	51.98	64.40
Pratt	160.75	180.59	200.09	105.37	108.58	107.51	55.38	72.01	92.58
Reno	171.75	190.22	203.01	107.93	103.36	104.18	63.83	86.86	98.83
Sedgewick	157.84	176.23	192.16	78.39	71.40	72.25	79.45	104.83	119.91
Stafford	187.36	210.00	231.27	56.40	53.84	56.87	130.97	156.16	174.40
Sumner	42.13	46.62	49.64	23.53	22.43	22.76	18.60	24.19	26.88
District Total	1311.49	1464.72	1598.28	683.96	663.56	673.73	627.53	801.16	924.55
Northeast District									
Atchison	122.11	136.46	149.16	35.49	31.38	34.08	86.62	105.08	115.09
Brown	236.49	266.30	296.79	52.85	48.56	51.31	183.64	217.74	245.49
Doniphan	202.51	230.28	263.00	54.45	47.34	53.82	148.06	182.93	209.17
Jackson	90.33	100.78	109.67	36.37	31.71	34.56	53.95	69.06	75.10
Jefferson	119.44	134.16	148.59	35.54	30.98	33.66	83.90	103.18	114.93
Leavenworth	81.89	91.88	101.47	36.90	31.62	33.82	44.99	60.26	67.65
Marshall	211.52	234.17	249.66	35.52	32.14	33.16	176.00	202.03	216.49
Nemaha	214.98	238.60	256.07	83.16	72.01	78.07	131.83	166.59	178.00
Pottawatomie	122.73	137.23	150.20	83.26	71.24	81.64	39.47	65.99	68.56
Riley	67.34	74.83	80.59	51.88	44.83	50.63	15.45	30.00	29.96
Wyandotte	18.47	20.99	23.96	28.32	23.55	27.92	-9.86	-2.56	-3.97
District Total	1487.81	1665.68	1829.15	533.75	465.38	512.68	954.05	1200.30	1316.48

Pedigrain Surplus (Deficit) Projections (Forecast Method) by County for Years 1990, 2000 & 2010.

Crop Reporting District	Production (000 PDM)			Consumption (000 PDM)			Balance (000 PDM)		
	1989	1999	2009	1990	2000	2010	1990	2000	2010
East Central District									
Anderson	79.22	88.73	97.53	15.49	14.61	13.77	63.73	74.11	83.76
Chase	23.68	26.31	28.32	34.91	31.95	34.70	-11.22	-5.64	-6.37
Coffey	69.44	77.28	83.56	24.67	23.16	24.00	44.77	54.12	59.56
Douglas	92.88	104.01	114.29	30.36	27.38	28.27	62.51	76.63	86.02
Franklin	86.25	96.53	105.91	37.94	33.41	35.43	48.31	63.12	70.48
Geary	27.01	29.95	32.09	28.55	24.33	27.77	-1.54	5.63	4.32
Johnson	57.69	64.67	71.28	24.93	21.59	24.00	32.76	43.09	47.28
Linn	62.20	69.10	74.37	18.08	16.16	16.98	44.12	52.95	57.39
Lyon	98.68	109.63	117.97	76.78	74.02	76.25	21.90	35.61	41.72
Miami	87.82	98.04	106.86	38.62	33.79	36.73	49.21	64.25	70.12
Morris	63.86	70.72	75.47	46.87	44.64	46.19	16.99	26.09	29.28
Osage	108.95	120.73	129.03	37.26	32.77	36.63	71.69	87.96	92.39
Shawnee	134.64	151.72	169.44	27.62	24.37	26.87	107.02	127.35	142.56
Wabaunsee	69.44	77.37	83.88	45.37	43.53	43.93	24.07	33.84	39.95
District Total	1061.74	1184.79	1289.98	487.43	445.68	471.52	574.31	739.11	810.47
Southeast District									
Allen	54.51	60.60	65.32	32.44	28.18	30.62	22.07	32.42	34.70
Bourbon	52.04	57.94	62.71	24.51	21.82	22.88	27.54	36.12	39.83
Butler	133.46	147.54	156.68	131.15	133.90	132.68	2.30	13.64	24.00
Chautauqua	8.99	10.01	10.83	52.75	46.66	52.40	-43.76	-36.65	-41.57
Cherokee	43.64	48.46	52.10	13.35	11.79	13.07	30.29	36.67	39.03
Cowley	47.73	52.71	55.83	70.73	72.25	71.51	-23.00	-19.54	-15.68
Crawford	78.06	86.71	93.27	53.81	47.09	52.83	24.25	39.62	40.45
Elk	11.68	12.92	13.76	18.31	16.23	18.10	-6.63	-3.31	-4.34
Greenwood	25.31	28.06	30.01	32.17	29.04	31.14	-6.86	-0.98	-1.13
Labette	48.03	53.31	57.23	83.47	84.39	83.71	-35.44	-31.08	-26.48
Montgomery	49.57	55.15	59.57	29.13	25.79	28.18	20.44	29.36	31.39
Neosho	55.45	61.53	66.00	39.55	34.17	37.98	15.90	27.36	28.02
Wilson	54.73	60.63	64.73	30.47	25.96	29.87	24.26	34.66	34.86
Woodson	39.76	44.01	46.91	58.49	57.60	59.10	-18.73	-13.59	-12.18
District Total	702.98	779.61	835.00	670.33	634.88	664.08	32.65	144.73	170.92
State	11704.00	13104.00	14392.00	7695.60	7635.74	7734.74	4008.40	5468.26	6657.26

