United States Department of Agriculture
Economic Research Service
https://www.ers.usda.gov

ERS Staff Paper

Economic Research Service

Resource Economics Division

Number 9804

Patterns of State Productivity Growth in the U.S. Farm Sector

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ABSTRACT

The U.S. Department of Agriculture's (USDA) Economic Research Service (ERS) regularly compiles and publishes total factor productivity indexes for the aggregate farm sector. These statistics make clear that productivity growth is the single, dominant source of economic growth in the sector. However, the consistently high rates of productivity growth reported for the aggregate farm sector conceal significant variations in regional and State trends. Productivity growth within States and regions deviates significantly from the sector average. Moreover, intertemporal shifts in State productivity growth rates express far more volatility than is revealed by examining average nationwide patterns.

Keywords: Economic growth, input growth, total factor productivity

Washington, DC 20036-5831 July 1998

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Introduction

The rise in agricultural productivity has long been recognized as the single most important source of economic growth in the U.S. farm sector. Though their methods differ in important ways, the major sectoral productivity studies by Kendrick and Grossman (1980) and Jorgenson, Gollop, and Fraumeni (1987, table 6.7, pp. 198-200) share this common conclusion. In a recent study, Jorgenson and Gollop (1992, pp. 746 and 750) found that productivity growth in the 1947-85 period accounted for 82 percent of the economic growth in agriculture compared with only 13 percent in the private nonfarm economy. Moreover, the rate of productivity growth over this period in agriculture (1.58 percent) was nearly four times the corresponding rate in the nonfarm economy (0.44 percent).

The U.S. Department of Agriculture (USDA) has been monitoring the industry's productivity performance for decades. In fact, USDA in 1960 was the first to introduce multifactor productivity measurement into the Federal statistical program. Today, the USDA's Economic Research Service (ERS) routinely produces total factor productivity measures for the aggregate farm sector from production accounts that distinguish multiple outputs and inputs, adjust for quality change in each input category, and recognize that some farm production is both an investment good (*i.e.*, breeding livestock) as well as agricultural output (see Jorgenson and Griliches (1967) for discussion of input quality).

A properly constructed measure of aggregate productivity growth for the farm sector is certainly important. It provides a useful summary statistic indicating how economic welfare is being advanced through productivity gains in agriculture, but it may mask important state-specific trends. The purpose of this paper is to contrast patterns of economic growth among States and to decompose economic growth into its source components.

This decomposition requires a consistent set of State accounts that conform to the economic theory of production. The underlying economic principles guiding the development of the State and aggregate farm sector accounts are perfectly symmetrical, but their application leads to one important difference: disaggregated State production accounts must explicitly recognize interstate interfarm transactions in farm goods while aggregate accounts must ignore these transfers. In the context of the aggregate accounts, these intermediate goods transfers are internal and self-canceling transactions.

The USDA has recently developed a set of aggregate and State production accounts consistent with economic principles linking disaggregated and aggregate production accounts. These accounts are described in the next section. The resulting analysis of State productivity trends is presented in the following section. This analysis reveals that the smooth and continuous

trend observed for productivity growth in the aggregate farm sector masks considerable variation in productivity growth across States.

Product Accounts

ERS has constructed State and aggregate accounts consistent with a gross output model of production. Output is defined as gross production leaving the farm, as opposed to real value added. Inputs are not limited to labor and capital but include intermediate inputs as well. Both State and aggregate models view all of agriculture within their respective geographic boundaries as if it were a single farm. Output includes all off-farm deliveries but excludes intermediate goods produced and consumed within the farm. The difference is that output in the aggregate accounts is defined as deliveries to final demand and to intermediate demands in the non-farm sector. State output accounts include these deliveries plus interstate shipments to intermediate farm demand. The text in this section describes the sources and methods used to build annual production accounts over the 1960-93 period for each of the 48 contiguous States and the aggregate farm sector defined over these States.[1]

Output

The development of a measure of output begins with disaggregated state-specific data for physical quantities and market prices of crops and livestock. These data were compiled by ERS's Resource Economics Division.

For purposes of productivity measurement, output includes the quantities of commodities sold off the farm (including unredeemed Commodity Credit Corporation loans), net additions to inventory, and quantities consumed as part of final demand in farm households during the calendar year. As discussed above, off-farm sales for the aggregate farm sector are defined only in terms of output leaving the aggregate farm sector. Off-farm sales in the State accounts include sales to the farm sector in other States as well.

Prices corresponding to each disaggregated output reflect the value of that output to the producer; that is, subsidies are added and indirect taxes are subtracted from market values. Prices received by farmers, as reported in USDA's *Agricultural Prices*, include an allowance for net Commodity Credit Corporation loans and purchases by the Government valued at the average loan rate. However, direct payments under Federal commodity programs are not reflected in the data. To prices for wool, mohair and program crops, we add payments per unit of production; dairy assessments are subtracted from receipts for milk.[2]

We construct Törnqvist indexes of farm output over the 1960-93 period for each State and the aggregate farm sector defined over these States. Note that the arithmetic sum of current dollar output across States will exceed the current dollar value of aggregate output by the value of interstate transfers of intermediate farm output.

Intermediate Inputs

Feed, Seed, and Livestock Purchases. Intermediate inputs consist of goods used in production during the calendar year, whether purchased from outside the farm sector or (in the case of the State production accounts) from farms in other States or withdrawn from beginning inventories. The inclusion and treatment of open-market purchases of feed, seed, and livestock inputs requires little discussion. These inputs should enter both State and aggregate farm sector intermediate goods accounts. However, the treatment of withdrawals from producers' stocks requires elaboration.

Inventories enter the measurement of output, intermediate inputs, and capital input. Beginning inventories of crops and livestock represent capital inputs and are treated as such in the discussion of capital below. Additions to these inventories are the result of production and, therefore, are treated as part of output. Consumption of goods withdrawn from inventory symmetrically are defined as intermediate goods and, therefore, must enter the farm input accounts.

Ideally, on-farm consumption of feed and seed crops taken from current period production should not be considered intermediate input, while on-farm consumption taken from beginning stocks should be considered intermediate input. The former represent wholly internal transfers both in time and space while the latter represent intertemporal transfers. Unfortunately, the available data make it impossible to distinguish the source of on-farm consumption. Consequently, this study assumes that on-farm consumption of feed and seed crops are made possible through withdrawals from beginning inventories. Accordingly, feed and seed crops consumed on farms where produced are included in intermediate input.

Agricultural Chemicals. Pesticides and fertilizers have undergone significant changes in input characteristics or quality over the 1960-93 study period. The price and quantity series used in the study of productivity must be denominated in constant-efficiency units. To account for changes in quality, price indexes for fertilizers and pesticides are constructed using the hedonic regression technique. The basic premise underlying this approach is that price differences across goods are due mainly to quality differences that can be measured in terms of common attributes. Let P_{it} denote the price of chemical i (a specific grade of fertilizer or type of pesticide) in year t and let x_{ij} denote the j th characteristic of the i th chemical. Pooling the data over products and over time, the hedonic model can be written as:

$$P_{it} = \sum_{t=1}^{T} \delta_t D_t + \sum_{j=1}^{M} \beta_j x_{ij} + \epsilon_{it}, \; i = 1,\ldots,N, \qquad (1)$$

where D_t is a dummy variable taking on the unit value for year t and zero otherwise and ϵ_{it} is a stochastic disturbance term. When equation (1) is estimated in linear form, the parameter

β_j can be interpreted as the shadow price of the j th characteristic, and δ_t captures the residual period-to-period price change between periods that is not accounted for by changes in the characteristics x_{ij}. Thus δ_t can be interpreted as a constant-quality price index.

To obtain a price index of fertilizers, we regress the prices of single nutrient and multigrade fertilizer materials on the proportion of nutrients contained in the materials. Price differences across pesticides are assumed due to differences in physical characteristics such as toxicity, persistence in the environment, leaching potential, *etc.* The corresponding quantity indexes are formed implicitly as the ratio of the value of each aggregate to its price index.

The observations on P_{it} in equation (1) consist of average prices for each of the chemicals. When averaged data are used rather than actual observations on prices, the variance of the disturbance term ϵ_{it}^* is no longer σ^2 but instead equals σ^2/S_i where $S_i = Q_i / \sum_{i=1}^{N} Q_i$, the share of chemical i in total consumption. This implies a heteroskedastic disturbance term; chemicals with large-volume sales have smaller disturbance variances than materials with low-volume sales.

Ordinary least squares estimation is inefficient when the errors have non-constant variance. To obtain efficient parameter estimates, it is necessary to use weighted least squares. We note, however, that given the particular error variance, if one first transforms each of the variables (including the vector of ones for the intercept) by multiplying by $S_i^{1/2}$ and then applies ordinary least squares to the transformed data, the results obtained will be numerically equivalent to the weighted least squares estimator.

A second concern is constancy of the estimated parameters. The prices of the characteristics (e.g., plant nutrients) may have changed over time, and this would imply a change in the regression coefficients. We test the constancy of the parameters by employing a sequence of Chow tests. The observations are successively pooled into longer periods until the hypothesis of no structural change is rejected.

Finally, the pesticides model was estimated in double-log form. It is well known that the antilog of the OLS estimate of δ_t is not an unbiased estimate of antilog δ_t, which means that price indexes estimated by the dummy variable method are biased. A standard bias correction is to add one-half of the coefficient's squared standard error to the estimated coefficient (Teekens and Koerts [1972]).

Petroleum Fuels, Natural Gas, and Electricity. Data on consumption of petroleum fuels, natural gas, and electricity in agriculture are available by State from the *Farm Business Economics Report*. Prices of individual petroleum fuels were taken from annual issues of *Agricultural Prices*. The Energy Information Administration was the source for natural gas

and electricity prices. An index of energy consumption was formed as the ratio of total expenditures (less State and Federal excise tax refunds) to the index of fuel prices.

Other Purchased Inputs. There remain several purchased inputs that collectively account for some 15 percent of the input service flow. We compute implicit quantity indexes of purchased services such as contract labor services, custom machine services (less income from machine hire), machine and building maintenance and repairs, irrigation from public sellers of water, and miscellaneous farm production items such as small hand tools and binding materials.

A Törnqvist index of intermediate inputs is calculated for each State and the aggregate farm sector by weighting the growth rates of each category of intermediate inputs described above by their value share in the overall value of intermediate inputs.

Labor Input

The USDA labor accounts for the aggregate farm sector have for some time been based on the demographic cross-classification of the agricultural labor force developed by Jorgenson, Gollop, and Fraumeni (1987).[3] Matrices of hours worked and compensation per hour are developed for laborers cross-classified by sex, age, education, and employment class--employee versus self-employed and unpaid family workers.

The task for this paper was to develop a set of similarly formatted but otherwise demographically distinct matrices of labor input and labor compensation by State. This was accomplished by using the RAS procedure popularized by Jorgenson, Gollop, and Fraumeni (1987) by combining the aggregate farm sector matrices initially produced in that study but updated through 1990 with state-specific demographic information available from the decennial *Census of Population*.[4]

The decennial censuses for 1960, 1970, 1980, and 1990 provide information by State on employed farm laborers cross-classified by sex and employment class, sex and age, and sex and education. In addition, USDA collects employment data by State distinguishing laborers by employment class. These four marginal matrices are input into state-specific RAS models initialized by the final employment matrices for the aggregate farm sector. Employment totals in each marginal are controlled to total employment by class of worker. The process yields a set of 48 State demographically cross-classified employment matrices for the four decennial census years.

Similar marginal data are not available for years intermediate to the censuses. For these years, the final Jorgenson, Gollop, and Fraumeni (1987) employment matrices specific to each year are used to initialize the RAS procedure for each State. Sex-class, sex-age, and sex-education marginals for each State are created by interpolating decennial census year marginals. The USDA employment class totals by State (the fourth marginal matrix in the above paragraph) serves as a marginal and State control total. The result is a complete state-by-year panel of

employment matrices with cells cross-classified by sex, age, education, and employment class, and with each matrix controlled to the USDA's employment totals.

Each State-specific employment matrix is then multiplied by the matrix of annual hours worked per laborer constructed for the aggregate farm. Summing over all cells of the matrix and controlling to USDA's total hours worked by employment class leads to final demographically classified matrices of annual hours worked by State and year.

Compensation matrices for hired workers are constructed similarly. The final annual hours matrices for hired farm workers are multiplied by the matrices of average hourly compensation. For each State and year, summing over all cells, controlling to compensation totals for employed persons available from the Bureau of Economic Analysis' Regional Economic Information System, and then dividing by the corresponding matrices of annual hours yields state- and year-specific matrices of average hourly compensation cross-classified by sex, age, education, and employment class.

Labor compensation (opportunity cost) data for self-employed and unpaid family workers, each self-employed worker in each State is imputed the mean wage earned by hired workers with the same demographic characteristics.

Törnqvist indexes of labor input are constructed for each State and the aggregate farm sector over the 1960-93 period using the demographically cross-classified hours and compensation data. Labor hours having higher marginal productivity (wages) are given higher weights in forming the index than are hours having lower marginal productivities. Doing so explicitly adjusts each aggregate time series of labor input for quality change in hours as originally defined by Jorgenson and Griliches (1967). As a result, the aggregate and state-specific price and quantity series for labor input measure labor in constant efficiency units.[5]

Capital Input

The first step in developing measures of capital input is to construct estimates of capital stock for each asset type. For depreciable assets, we employ the perpetual inventory method to estimate capital stocks from data on investment. Our estimates of capital stocks of land and inventories are implicit quantities derived from balance sheet data.

Next, we construct estimates of rental prices for each type of asset. We derive implicit rental prices based on the correspondence between the purchase price of an asset and the discounted value of future service flows derived from that asset.

For this study, depreciable capital assets include nonresidential structures, motor vehicles, farm tractors, and other equipment. Data on investment were provided by the Rural Economy Division. The Bureau of Labor Statistics producer price indexes for passenger autos, motor trucks, wheel-type farm tractors, and agricultural machinery excluding tractors are employed

as investment deflators. For nonresidential structures, we use the implicit price deflator from the U.S. national income and product accounts.

Capital Stock of Equipment and Structures. The perpetual inventory method is employed to cumulate annual investment into a measure of capital stock. In this method, we represent capital stock at the end of each period, say K_t, as the sum of all past investments, each weighted by its relative efficiency:

$$K_t = \sum_{\tau=0}^{\infty} d_\tau I_{t-\tau}. \tag{2}$$

Investment goods decline in efficiency at each point of time generating the need for replacement of productive capacity. The proportion of investment to be replaced at age τ, say m_τ, is equal to the decline in efficiency from age $\tau-1$ to age τ:

$$m_\tau = -(d_\tau - d_{\tau-1}),\ \tau = 1,\ldots,t. \tag{3}$$

These proportions represent mortality rates for capital goods of different ages. Replacement requirements in period t, say R_t, can be expressed as a weighted sum of past investments:

$$R_t = \sum_{\tau=1}^{\infty} m_\tau I_{t-\tau}, \tag{4}$$

where the weights are the mortality rates.

Taking the first difference of expression (2), we can write:

$$\begin{aligned} K_t - K_{t-1} &= I_t + \sum_{\tau=1}^{\infty} (d_\tau - d_{\tau-1}) I_{t-\tau} \\ &= I_t - \sum_{\tau=1}^{\infty} m_\tau I_{t-\tau} \\ &= I_t - R_t. \end{aligned} \tag{5}$$

The change in capital stock in any period is equal to the acquisition of investment goods less replacement requirements.

To estimate replacement requirements, we must introduce an explicit description of the decline in efficiency. The function relating efficiency to age of the asset is approximated by the

rectangular hyperbola. The family of hyperbolic efficiency functions is given by:

$$d_\tau = (L-\tau)/(L-\beta\tau),\ 0 \le \tau \le L$$
$$d_\tau = 0,\ \tau > L; \tag{6}$$

where L is the service life of the asset and β is a curvature or decay parameter.

The above expression incorporates many of the commonly used forms of capacity depreciation as special cases. The upper limit of β is unity. This corresponds to the one-hoss shay form of depreciation. As the value of β approaches zero, decay occurs at an increasing rate over time. If β is zero, the function corresponds to the formula for straight line depreciation. Finally, if β is negative, decay occurs most rapidly in the early years of service, corresponding to accelerated forms of depreciation such as geometric decay.

The problem now arises as to what value should be chosen for β in order to accurately reflect efficiency loss. Little empirical evidence is available to suggest a precise value. However, two studies provide evidence to suggest that efficiency decay occurs more rapidly in the later years of service. Using data on expenditures for maintenance and repairs of 745 farm tractors covering the period 1958-74, Penson, Hughes, and Nelson (1977) found that efficiency loss was, in fact, very small in the early years of service and rapidly increased as the end of the asset's service life approached.

More recently, Romain, Penson and Lambert (1987) compared the explanatory power of alternative capacity depreciation patterns for farm tractors in a model of investment behavior that also included the price of capital services. They observed that the concave depreciation pattern better reflected actual investment decisions.

Taken together, these studies suggest that possible values of β should be restricted to the zero-one interval. Ultimately, the β values chosen for this study were 0.50 for durable equipment and 0.75 for structures. It was assumed that the efficiency of a structure declines slowly over most of the service life until a point is reached where the cost of repairs exceeds the increased service flows derived from the repairs, at which point the structure is allowed to depreciate rapidly. The decay parameter for durable equipment was chosen assuming that the decline in efficiency was more uniformly distributed over the asset's service life.

Investment as used in this study is composed of bundles of different types of capital goods. Each type of capital good is a homogeneous group of assets for which the actual service life L is a random variable reflecting quality differences, maintenance schedules, *etc.* For each asset type, there exists some mean service life $\bar{L}$ around which there exists some distribution of actual service lives. In order to determine the amount of capital available for production, the

different service lives and their frequency of occurrence must be determined. It was assumed that this distribution could accurately be depicted by the normal distribution.

One problem in using the normal distribution to calculate the frequency of occurrence is that the distribution extends infinitely in either direction from the mean. To eliminate these extremes, the distribution was truncated at a point two standard deviations before and after the mean. The area under the truncated normal curve was then adjusted upward within the allowed range of asset lives. Mean service lives correspond to 85 percent of the U.S. Treasury Department's *Bulletin F* lives.

Once the frequency of occurrence of a particular service life was determined, the efficiency function for that service life was calculated using the assumed value of β. This process was repeated for all possible service lives. An aggregate efficiency function was then constructed as a weighted sum of the individual efficiency functions using as weights the frequency of occurrence. This function not only reflects changes in efficiency, but also the discard distribution around the mean service life of the asset.

Land. To obtain a constant-quality land stock, we compiled data on land area and average value (excluding buildings) per acre in each Agricultural Statistics District in each State. We further disaggregated land input into irrigated and dry cropland, grazing land and other land in 11 Western States. The land area in each district and use category is reported in the Census of Agriculture. The National Agricultural Statistics Service (NASS) updates annually State estimates of total land in farms. Percentages in each district and use category were interpolated between the censuses. Land values per acre used to aggregate across the different land categories were taken from the annual Agricultural Land Values Survey.

The land area diverted from current production under Federal commodity programs and the Conservation Reserve was excluded from the stock of land.

Finally, service flows from public lands were estimated by means of grazing fees paid, using data from the U.S. Department of the Interior's Bureau of Land Management and the USDA's Forest Service.

Inventories. Beginning inventories of crops and livestock are treated as capital inputs, while net additions to inventory during the calendar year are considered a component of output. The number of animals on farms are available from annual surveys, as are the stocks of grains and oilseeds. However, in the case of grains and oilseeds, no distinction is made between producer-owned and commercially held stocks. Producer-owned stocks at yearend 1978 were estimated as quantities stored on farms plus producer stocks stored off the farm. Data on off-farm storage were obtained from *Producer-Owned Grain Stocks* (USDA, National Agricultural Statistics Service). Quantities of commodities used as collateral for outstanding Commodity Credit Corporation loans (including commodities in the farmer-owned grain reserve) were subtracted. Stocks were then moved forward to yearend 1993 by adding, and back to yearend

1947 by subtracting, estimated annual changes in quantities. December average prices were used to aggregate across commodities held in inventory.

Prices of Capital Services

Firms will add to the capital stock so long as the present value of the net revenue generated by an additional unit of capital exceeds the purchase price of the asset. Following Coen (1975), this can be stated algebraically as:

$$\sum_{t=1}^{\infty}\left(\sum_{i=1}^{N} p_i \frac{\partial y_i}{\partial K} - q\frac{\partial R_t}{\partial K}\right)(1+r)^{-t} > q, \tag{7}$$

where p is the price of output, q is the price of an additional unit of capital and r is the real discount rate.

To maximize net present value, firms will add to the capital stock until this equation holds as an equality. This requires that:

$$\begin{aligned}\sum_{i=1}^{N} p_i \frac{\partial y_i}{\partial K} &= rq + r\sum_{t=1}^{\infty} q\frac{\partial R_t}{\partial K}(1+r)^{-t} \\ &= c.\end{aligned} \tag{8}$$

The expression for c is the implicit rental price of capital corresponding to the mortality distribution m. The rental price consists of two components. The first term, rq, represents the opportunity cost of invested funds. The second term, $r\sum_{t=1}^{\infty} q\frac{\partial R_t}{\partial K}(1+r)^{-t}$, is the present value of all future replacements required to maintain the productive capacity of the capital stock.

Let us define F as the present value of the stream of capacity depreciation on one unit of capital according to the mortality distribution m:

$$F = \sum_{t=1}^{\infty} m_t (1+r)^{-t}. \tag{9}$$

Since replacement at time t is equal to capacity depreciation at time t:

$$\sum_{t=1}^{\infty} \frac{\partial R_t}{\partial K}(1+r)^{-t} = \sum_{t=1}^{\infty} F^t = \frac{F}{(1-F)} \tag{10}$$

and

$$c = \frac{qr}{(1-F)}. \tag{11}$$

The real rate of return r in the above expression was calculated as the nominal yield on investment grade corporate bonds[6] less the rate of inflation as measured by the implicit deflator for gross domestic product. An *ex ante* rate was obtained by expressing observed real rates as an autoregressive integrated moving average (ARIMA) process. We then calculated F holding r constant for that particular vintage of capital good.

Törnqvist quantity indexes for capital input in each State and the aggregate farm sector are formed by aggregating over the different capital assets using cost share weights based on asset-specific rental prices. Service prices for capital inputs are formed implicitly as the ratio of the total current dollar value of capital service flows to the Törnqvist quantity index. As is the case for labor input, the resulting measure of capital input for each State and the aggregate farm sector is adjusted for changes in asset quality.

State and Aggregate Farm Productivity

Input growth typically has been the dominant source of economic growth for the aggregate economy and for each of its producing sectors. Jorgenson, Gollop, and Fraumeni (1987, table 9.5, p. 315) find this to be the case for the aggregate economy in every subperiod over the 1948-79 period. Denison (1979, table 8-1, p. 104) draws a similar conclusion for all but one subperiod covering the longer interval 1929-76. In their sectoral analysis, Jorgenson, Gollop, and Fraumeni (1987, table 6.4, pp.192-94) find that output growth relies most heavily on input growth in 42 of 47 private business sectors in the 1947-79 period and, in a more aggregated study through 1985, in eight of nine sectors (Jorgenson and Gollop [1992], table 3, p. 749).

Agriculture turns out to be one of the few exceptions. Productivity growth dominates input growth. This is confirmed in table 1. The source decomposition of output growth in agriculture is reported for the 1948-94 period and nine subperiods. Output growth equals the sum of contributions of labor, capital, and materials inputs and total factor productivity growth. The contributions of each input equals the product of the input's growth rate and its share in total cost.

Table 1—Output, input, and productivity growth in the U.S. farm sector

Product account/ inputs	Average annual rates of growth[1]									
	1948-94	1948-53	1953-57	1957-60	1960-66	1966-69	1969-73	1973-79	1979-89	1989-94
	Percent									
Output	0.0188	0.0151	0.0088	0.0321	0.0131	0.0228	0.0266	0.0252	0.0086	0.0331
Inputs:										
Materials	0.0142	0.0343	0.0225	0.0273	0.0128	0.0061	0.0112	0.0339	-0.0150	0.0229
Labor	-0.0273	-0.0376	-0.0341	-0.0252	-0.0369	-0.0345	-0.0097	-0.0331	-0.0217	-0.0149
Capital	0.0064	0.0678	0.0099	0.0009	-0.0016	0.0113	0.0095	0.0122	-0.0170	-0.0104
Total factor productivity	0.0194	0.0048	0.0075	0.0265	0.0188	0.0275	0.0213	0.0133	0.0256	0.0287

[1]Ball et al. (1997).

The singularly important role of productivity growth in agriculture is made all the more remarkable by the dramatic contraction in labor input in the sector, a pattern that persists through every subperiod. Over the full 1948-94 period, labor input declined at an average 2.7 percent annual rate, a rate of reduction unmatched by any of the 50 nonfarm sectors evaluated by Jorgenson, Gollop, and Fraumeni (1987).[7] When weighted by its share in production costs, the contraction in labor input contributes a negative 0.89 percentage points per year to output growth.

Capital input in the sector exhibits a different history. Its contribution to output growth has alternated between positive and negative over the 1948-94 period. On average, however, capital input increased 0.64 percent per year. The growth in capital input contributed an annual 0.12 percentage points to output growth.

Materials input's contribution to growth in output also alternated between positive and negative over this period but averaged a positive 0.68 percentage points per year. Though large, this positive contribution was not sufficient to outweigh the negative contribution of labor and modest contribution of capital. The net contributions of all three inputs was a negative 0.09 percentage points per year, leaving responsibility for positive growth in farm sector output entirely to productivity growth.

Productivity gains were positive in every subperiod spanning 1948 to 1994. By the late 1970's, however, the capacity of the sector to sustain historical rates of productivity growth came increasingly into question. The subsidized retirement of land in 1972 totaled 60 million acres. In 1973, the figure was less than 20 million acres, and declined to zero in 1974. In the aftermath of a rapid expansion in land use and aggregate agricultural output, such indicators as crop output per acre of land lent some credence to the popular hypothesis of slower productivity growth and pending economic scarcity.

Between 1973 and 1979, the average rate of growth in output exceeded 2.5 percent per year. But nearly half of the growth in output over this period was accounted for by growth in inputs. In contrast, input growth accounted for only 0.54 percentage points of the 2.7 percent annual growth rate achieved during the 1969-73 period. The reduction in labor input persisted, but capital and materials inputs increased. Growth in materials input exceeded 3 percent per year (3.4 percent) over the 1973-79 period. The average annual rate of growth in total factor productivity over this period was well below the long-term trend.

The economic scarcities in the 1970's gave way expectations of chronic surpluses in the 1980's. In 1982, the land area set aside totaled some 10 million acres. This total reached 80 million acres in 1983. Economic growth averaged less than 1 percent per year (0.86 percent) over the 1979-89 period, but total factor input decreased at a 1.7 percent average annual rate. Negative growth rates were observed in all major input categories. The rate of growth in total factor productivity returned to the long-term trend in the 1980's, and indeed appears to have

accelerated from the growth rate of the 1969-73 period.

In spite of the anomalous 1973-79 period, productivity growth was truly extraordinary over the 1948-94 period averaging almost 2 percent per year. Cumulated over the full 47-year period, this annual rate implies that farm sector productivity in 1994 was 249% of its 1948 level. Stated alternatively, in spite of the 3.1 percent decline in total input use from 1948 to 1994, productivity growth permitted agricultural output to grow significantly in every subperiod spanning 1948 to 1994 so that farm output was 137 percent above its 1948 level.

The discussion has focused on the aggregate farm sector. While providing a summary measure of productivity growth in agriculture, it does not identify the gains in the individual states. An examination of productivity growth within and among States is the theme of the remainder of this paper. The appendix contains annual time series of output, capital, labor, and materials inputs and total factor productivity for the period 1960-93 for each of the 48 contiguous States. Growth rates of total factor productivity for the entire 1960-93 period and subperiods compiled from the data in the Appendix are presented in table 2.

One remarkable similarity exists across States. For the full 1960-93 period, every State exhibits a positive and generally substantial average annual rate of productivity growth. There is considerable variance, however. The median rate of productivity growth was 1.88 percent annually. Nearly one-half of the States (20 of 48) have productivity growth rates averaging more than 2 percent per year. Only one State (Iowa) has an average rate of growth less than 1 percent per year. The reported rates of growth range from 0.87% for Iowa to 2.95 percent for Michigan. Cumulated over the 34-year period, productivity growth in Iowa was responsible for a 34-percent increase in production between 1960 and 1993. Over the same period, productivity growth in Michigan contributed to a 272-percent increase in output over the 1960 level.

Some regional homogeneity surfaces over the 1960-93 period. Two of the four States in the Southeast region (Florida and Georgia) exhibit productivity growth rates in excess of 2 percent per year. Of the remaining States, South Carolina registered a 1.87 percent annual growth rate. Productivity growth averaged 1.81 percent per year in Alabama. In the Northeast, seven States achieved growth rates of productivity in excess of 2 percent per year. In contrast, only two of the Mountain States (Idaho and Utah) achieved a productivity growth rate in excess of 2 percent. Productivity growth in six of eight States was less than the 1.88 percent median rate of growth. It is evident even before intertemporal differences are examined that the aggregate farm sector growth rates mask important regional and State differences in productivity performance.

The productivity growth rates reported in table 1 for the aggregate farm sector for the three subperiods 1960-66, 1966-69, and 1969-73 suggest rather stable productivity performance over the 1960-73 period. Yet table 2 reveals substantial regional and State variation over this 14-year period. For example, aggregate farm sector productivity growth increased 0.87

Table 2–State productivity growth in the U.S. farm sector

Region/ State	Average annual rates of growth						
	1960-93	1960-66	1966-69	1969-73	1973-79	1979-89	1989-93
				Percent			
Northeast:							
Connecticut	0.0226	0.0417	0.0148	-0.0139	-0.0005	0.0361	0.0370
Delaware	0.0215	0.0130	0.0902	0.0259	-0.0094	0.0145	0.0422
Maine	0.0168	0.0218	0.0435	0.0177	-0.0068	0.0143	0.0300
Maryland	0.0160	-0.0113	0.1010	0.0025	0.0107	0.0144	0.0186
Massachusetts	0.0250	0.0448	0.0193	0.0059	-0.0071	0.0439	0.0197
New Hampshire	0.0274	0.0448	0.0095	0.0311	-0.0055	0.0208	0.0772
New Jersey	0.0167	0.0228	0.0262	-0.0083	-0.0200	0.0337	0.0383
New York	0.0163	0.0371	0.0030	-0.0032	0.0050	0.0195	0.0233
Pennsylvania	0.0206	0.0250	0.0439	0.0041	0.0147	0.0221	0.0177
Rhode Island	0.0253	0.0549	-0.0028	0.0157	-0.0045	0.0522	-0.0109
Vermont	0.0214	0.0333	0.0318	0.0284	-0.0103	0.0154	0.0512
Lake States:							
Michigan	0.0295	0.0316	0.0388	0.0271	0.0292	0.0277	0.0272
Minnesota	0.0100	0.0156	0.0149	0.0420	0.0002	0.0225	-0.0507
Wisconsin	0.0151	0.0277	0.0058	0.0137	0.0010	0.0259	-0.0012
Corn Belt:							
Illinois	0.0164	0.0149	0.0277	0.0076	0.0159	0.0173	0.0179
Indiana	0.0217	0.0173	0.0661	-0.0018	0.0125	0.0273	0.0181
Iowa	0.0087	0.0210	0.0019	0.0174	0.0036	0.0161	-0.0246
Missouri	0.0125	0.0111	0.0100	0.0348	0.0158	0.0110	-0.0068
Ohio	0.0225	0.0423	0.0119	-0.0059	0.0447	0.0131	0.0192
Northern Plains:							
Kansas	0.0134	-0.0004	0.0626	0.0276	-0.0154	0.0110	0.0322
Nebraska	0.0187	0.0222	0.0136	0.0102	0.0162	0.0248	0.0146
North Dakota	0.0189	0.0271	0.0344	0.0188	0.0035	0.0132	0.0323
South Dakota	0.0168	0.0159	0.0130	0.0212	-0.0001	0.0266	0.0178
Appalachia:							
Kentucky	0.0197	0.0185	0.0459	0.0024	0.0243	0.0228	0.0045
North Carolina	0.0287	0.0248	0.0312	0.0488	-0.0100	0.0395	0.0437
Tennessee	0.0204	0.0158	0.0442	0.0123	0.0313	0.0172	0.0092
Virginia	0.0223	0.0126	0.0420	0.0238	0.0191	0.0373	-0.0118
West Virginia	0.0174	0.0003	0.0360	0.0125	0.0208	0.0203	0.0212
Southeast:							
Alabama	0.0181	0.0197	0.0101	0.0236	0.0212	0.0171	0.0143
Florida	0.0222	0.0274	0.0289	0.0251	0.0005	0.0349	0.0075
Georgia	0.0229	0.0316	0.0280	0.0315	0.0178	0.0197	0.0130
South Carolina	0.0187	0.0307	0.0340	0.0170	0.0145	0.0236	-0.0151
Delta States:							
Arkansas	0.0189	0.0252	0.0099	0.0260	0.0271	0.0146	0.0077
Louisiana	0.0195	0.0381	0.0080	0.0152	0.0319	0.0009	0.0325
Mississippi	0.0258	0.0467	0.0387	0.0285	0.0263	0.0075	0.0275
Southern Plains:							
Oklahoma	0.0111	0.0022	0.0232	0.0417	0.0117	0.0079	-0.0082
Texas	0.0141	0.0129	-0.0050	0.0439	-0.0031	0.0133	0.0284
Mountain:							
Arizona	0.0128	0.0142	0.0138	0.0092	0.0125	0.0209	-0.0066
Colorado	0.0139	0.0099	0.0267	0.0178	-0.0024	0.0117	0.0363
Idaho	0.0294	0.0250	0.0704	0.0122	-0.0062	0.0349	0.0620
Montana	0.0110	0.0289	0.0069	0.0000	-0.0349	0.0252	0.0316
Nevada	0.0132	0.0259	0.0200	0.0027	-0.0090	0.0202	0.0151
New Mexico	0.0180	0.0277	0.0033	0.0294	-0.0142	0.0331	0.0136
Utah	0.0215	0.0289	0.0262	0.0214	-0.0190	0.0323	0.0409
Wyoming	0.0127	0.0232	0.0055	0.0020	-0.0070	0.0072	0.0563
Pacific:							
California	0.0168	0.0263	0.0124	0.0188	0.0102	0.0234	-0.0026
Oregon	0.0254	0.0375	0.0283	0.0344	-0.0048	0.0287	0.0328
Washington	0.0233	0.0416	0.0066	0.0161	0.0180	0.0246	0.0207

percentage points, from 1.88 percent to 2.75 percent, between the 1960-66 and 1966-69 subperiods. This conceals considerable movement in State productivity growth rates. In fact, 20 States showed increased productivity growth between the two periods, while 28 States exhibited decreases.

A similar interpretation applies to the 1966-69 and 1969-73 subperiods. While the rate of productivity growth reported in table 1 for the aggregate farm sector declined by 0.62 percentage points, once again interstate variation was substantial. The Pacific States exhibited increased productivity growth rates moving from the earlier to the later subperiod. This pattern was also observed in the Southern Plains. However, in nine of 11 States in the Northeast region, the opposite pattern in productivity growth was observed. The important conclusion is that stable aggregate farm sector productivity growth rates do not necessarily imply stability across States or regions.

It is true that the low rate of productivity growth for the aggregate farm sector in 1973-79 subperiod mirrors relatively weak productivity performance in the individual States. In fact, 19 of 48 States had negative productivity growth rates during this time interval. Thirty-one of 48 States had lower rates of productivity growth in the 1973-79 subperiod than in the 1969-73 period.

The productivity slowdown that began in most regions after 1973 appears to have begun in the preceding 1969-73 subperiod in both the Northeast and Corn Belt regions. More interestingly, the Delta States seem to have been least hard hit by the 1973-79 slowdown experienced by most States. Among the Delta States, not one had a productivity growth rate fall below 2.6 percent during the 6-year period, a feat accomplished by only five other States. All three States achieved productivity growth rates well above their average for the full 34-year period. The region missed the productivity slowdown. In contrast, the Northeast and Mountain regions seem to have been hardest hit. Seven of eight Mountain States registered negative average growth rates of productivity during this period. Eight of 11 States in the Northeast region recorded negative productivity growth rates.

The robust rebound in aggregate farm sector performance in the 1979-89 period is mirrored in the individual States. All 48 States recorded positive annual productivity growth rates. Thirty-seven States recorded higher productivity growth rates during this period than in the preceding 1973-79 period. Only three States achieved growth rates below 1 percent per year. Ten States had growth rates above 3 percent annually. Seven of the 10 States were in the Northeast and Mountain regions. Productivity growth rates lagged behind in the Delta and Southern Plains, with no single State breaking the 1.5 percent growth barrier, a threshold surpassed by all but eight other States nationwide.

In the final subperiod, growth rates among States were more varied. Productivity growth was negative in a number of Corn Belt and Lake States during the 1989-93 period, the result of extensive flooding in the upper Mississippi and Missouri River basins. Drought affected the

Southeast region. However, six of 11 States in the Northeast region and five of eight States in the Mountain region achieved productivity growth rates in excess of 3 percent. This result makes clear that the level of aggregate farm sector productivity growth within any subperiod and its changing pattern over time masks important interstate and interregional differences.

Conclusions

The results presented in this paper make clear that productivity growth is the single, dominant source of economic growth in the farm sector. However, the consistently high rates of productivity growth reported from subperiod to subperiod in many sectoral studies including Kendrick and Grossman (1980), Jorgenson, Gollop, and Fraumeni (1987), Jorgenson and Gollop (1992), and Ball et al. (1997) conceal significant variation in regional and State trends. Productivity growth within States and regions deviates significantly from the sector average within subperiods. Moreover, intertemporal shifts in State productivity growth rates express far more volatility than is revealed by examining average nationwide patterns.

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Footnotes

1. Alaska and Hawaii are excluded from the analysis because the accounts (in particular the capital accounts) are incomplete.

2. A tax is levied on production sufficient to fund disposal of surplus production of milk.

3. See Ball (1985).

4. For 1960 and 1970, see *Census of the Population*, Volume 1, "Characteristics of the Population"; for 1980, see *Census of the Population*, "Detailed Population Characteristics", Chapter D. The Bureau of the Census did not tabulate state-specific demographic data for agriculture i 1990. Consequently, the 1990 "marginal" matrices described in the text were constructed form 1980 "marginals" adjusted for 1980-90 trends from series updated from those initially reported in Jorgenson, Gollop, and Fraumeni (1987) and controlled to USDA totals by employment class.

5. For a discussion of the theoretical basis for adjusting labor input for compositional shifts in the labor force, see Jorgenson and Gollop (1992).

6. Average yield on Moody's BAA bonds of all maturities.

7. The -2.7% annual rate for labor input in the 1948-94 period compares with the annual -3.2% rate reported for the 1948-79 period by Jorgenson, Gollop, and Fraumeni (1987), table B.1, p. 380, and the -3.6% annual rate reported by Kendrick and Grossman (1980), appendix table, p. 126, for the 1948-78 period.

Appendix Tables

Farm Output, Input Use and Productivity, 1960-93, by State

Alabama -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0146	1.0845	0.9389	0.9721	0.9879	0.9427	0.9762	1.0437
1962	1.0115	1.1378	0.8767	0.9682	1.0095	0.9006	0.9631	1.0447
1963	1.1367	1.1710	1.0972	0.9838	1.0433	0.8936	0.9643	1.1555
1964	1.1640	1.2419	1.0805	0.9972	1.0799	0.8733	0.9740	1.1673
1965	1.2249	1.3462	1.0972	1.0422	1.1632	0.8790	0.9855	1.1753
1966	1.1750	1.4673	0.8505	1.0439	1.2237	0.8018	0.9877	1.1257
1967	1.2005	1.5140	0.8515	1.0738	1.2673	0.8228	0.9998	1.1179
1968	1.2274	1.5671	0.8494	1.0969	1.3091	0.8299	1.0121	1.1190
1969	1.2936	1.6371	0.9122	1.1147	1.3866	0.7934	1.0192	1.1605
1970	1.2845	1.6565	0.8684	1.0915	1.4067	0.7148	1.0207	1.1768
1971	1.4312	1.7198	1.1066	1.0866	1.3916	0.7015	1.0419	1.3171
1972	1.4144	1.7670	1.0195	1.0916	1.3943	0.7041	1.0526	1.2957
1973	1.4184	1.7403	1.0595	1.1122	1.4173	0.7203	1.0747	1.2754
1974	1.4322	1.7042	1.1206	1.0784	1.3856	0.6282	1.1092	1.3281
1975	1.5386	1.7855	1.2458	1.0227	1.2765	0.6247	1.1047	1.5044
1976	1.5701	1.8689	1.2275	1.0866	1.3955	0.6415	1.1140	1.4450
1977	1.5139	1.8689	1.1260	1.0389	1.2975	0.6280	1.1191	1.4572
1978	1.5747	1.8683	1.2436	1.1251	1.4914	0.6286	1.1153	1.3996
1979	1.7043	1.9124	1.4649	1.1770	1.6120	0.6139	1.1315	1.4481
1980	1.5262	1.9008	1.1069	1.1791	1.5967	0.6384	1.1399	1.2944
1981	1.8839	1.9626	1.7792	1.1705	1.5225	0.7616	1.1283	1.6095
1982	1.7909	1.8760	1.6797	1.0645	1.4160	0.5027	1.1225	1.6824
1983	1.5932	1.8694	1.2765	1.0171	1.4538	0.3842	1.0753	1.5665
1984	1.7043	1.8922	1.4815	1.0622	1.5175	0.4838	1.0630	1.6045
1985	1.7962	1.9698	1.5895	1.0390	1.4734	0.4909	1.0384	1.7287
1986	1.6696	2.0938	1.1683	1.0123	1.4892	0.4259	1.0031	1.6494
1987	1.7678	2.2179	1.2357	1.0679	1.6583	0.4780	0.9476	1.6554
1988	1.7821	2.2237	1.2596	1.0473	1.6346	0.4628	0.9257	1.7016
1989	1.8100	2.3025	1.2238	1.0540	1.6306	0.4938	0.9215	1.7173
1990	1.8906	2.5609	1.0725	1.0748	1.6889	0.5094	0.8984	1.7591
1991	2.0699	2.6677	1.3509	1.0526	1.5905	0.5530	0.8896	1.9665
1992	2.0427	2.5878	1.3901	1.0597	1.5521	0.6367	0.8692	1.9276
1993	1.9410	2.5189	1.2438	1.0674	1.6666	0.5385	0.8670	1.8184
Average annual rates of growth								
1960-93	0.0201	0.0280	0.0066	0.0020	0.0155	-0.0188	-0.0043	0.0181
1960-66	0.0269	0.0639	-0.0270	0.0072	0.0336	-0.0368	-0.0021	0.0197
1966-69	0.0320	0.0365	0.0234	0.0219	0.0417	-0.0035	0.0104	0.0101
1969-73	0.0230	0.0153	0.0374	-0.0006	0.0055	-0.0242	0.0133	0.0236
1973-79	0.0306	0.0157	0.0540	0.0094	0.0214	-0.0266	0.0086	0.0212
1979-89	0.0060	0.0186	-0.0180	-0.0110	0.0011	-0.0218	-0.0205	0.0171
1989-93	0.0175	0.0225	0.0041	0.0032	0.0055	0.0217	-0.0153	0.0143

Arizona -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0556	1.0671	1.0488	0.9689	0.9959	0.8468	0.9975	1.0895
1962	1.0968	1.2166	1.0261	1.0566	1.1701	0.7795	1.0005	1.0381
1963	1.1328	1.1675	1.1108	1.0197	1.1084	0.7584	1.0125	1.1109
1964	1.0612	1.1869	0.9917	1.0048	1.0704	0.7727	1.0268	1.0561
1965	1.1350	1.2774	1.0566	1.0466	1.1394	0.7636	1.0522	1.0846
1966	1.1216	1.3040	1.0191	1.0303	1.1058	0.7547	1.0626	1.0886
1967	1.1395	1.3774	1.0030	1.0691	1.1651	0.7865	1.0736	1.0659
1968	1.2258	1.5667	1.0272	1.1186	1.2604	0.7995	1.0836	1.0958
1969	1.3652	1.8332	1.0845	1.2030	1.4440	0.8234	1.0874	1.1348
1970	1.2956	1.7509	1.0209	1.1565	1.3331	0.7933	1.0947	1.1203
1971	1.3071	1.8482	0.9716	1.2037	1.4208	0.8674	1.0968	1.0859
1972	1.4104	2.0183	1.0309	1.2638	1.5550	0.8915	1.0972	1.1160
1973	1.4882	2.1102	1.1033	1.2641	1.5591	0.8626	1.1033	1.1772
1974	1.4336	1.8182	1.2072	1.0648	1.3463	0.3873	1.1092	1.3464
1975	1.3654	1.8057	1.1081	1.1050	1.3471	0.5183	1.0999	1.2357
1976	1.3921	1.6667	1.2228	1.1248	1.4040	0.4918	1.1065	1.2377
1977	1.4053	1.7057	1.2219	1.1572	1.4451	0.5515	1.1056	1.2144
1978	1.5751	2.0465	1.2891	1.3088	1.6909	0.7137	1.1206	1.2035
1979	1.4875	1.5904	1.4699	1.1719	1.4492	0.5896	1.1168	1.2692
1980	1.4964	1.7335	1.3786	1.1900	1.4292	0.6861	1.1115	1.2575
1981	1.5757	1.5734	1.6230	1.1387	1.3287	0.6308	1.1063	1.3838
1982	1.5597	1.5833	1.5891	1.1207	1.3461	0.5751	1.0916	1.3918
1983	1.4684	1.7061	1.3538	1.1431	1.3729	0.6540	1.0792	1.2846
1984	1.5180	1.8175	1.3668	1.1434	1.3626	0.6871	1.0726	1.3276
1985	1.4935	1.7563	1.3635	1.0737	1.2790	0.5298	1.0648	1.3909
1986	1.5318	1.7546	1.4255	1.0594	1.2334	0.5615	1.0423	1.4460
1987	1.5901	1.7974	1.4939	1.0803	1.2663	0.6532	1.0206	1.4719
1988	1.4107	1.6670	1.2852	1.0336	1.1721	0.6234	0.9983	1.3649
1989	1.5697	1.4983	1.6293	1.0035	1.1364	0.5932	0.9774	1.5642
1990	1.4054	1.6264	1.2852	0.9843	1.0735	0.6119	0.9663	1.4278
1991	1.4614	1.6412	1.3670	0.9708	1.0657	0.5851	0.9586	1.5054
1992	1.4834	1.7239	1.3500	0.9811	1.0752	0.6321	0.9515	1.5121
1993	1.4624	1.7085	1.3251	0.9600	1.1326	0.5088	0.9321	1.5233
Average annual rates of growth								
1960-93	0.0115	0.0162	0.0085	-0.0012	0.0038	-0.0205	-0.0021	0.0128
1960-66	0.0191	0.0442	0.0032	0.0050	0.0168	-0.0469	0.0101	0.0142
1966-69	0.0655	0.1135	0.0207	0.0517	0.0889	0.0291	0.0077	0.0138
1969-73	0.0216	0.0352	0.0043	0.0124	0.0192	0.0116	0.0036	0.0092
1973-79	-0.0001	-0.0471	0.0478	-0.0126	-0.0122	-0.0634	0.0020	0.0125
1979-89	0.0054	-0.0060	0.0103	-0.0155	-0.0243	0.0006	-0.0133	0.0209
1989-93	-0.0177	0.0328	-0.0517	-0.0111	-0.0008	-0.0384	-0.0119	-0.0066

Arkansas -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0821	1.1942	1.0267	1.0194	1.0682	0.9553	0.9941	1.0616
1962	1.1211	1.2321	1.0661	1.0397	1.1206	0.9352	0.9935	1.0783
1963	1.1847	1.3310	1.1121	1.0725	1.1928	0.9125	1.0116	1.1047
1964	1.2705	1.4707	1.1730	1.0902	1.2519	0.8577	1.0367	1.1654
1965	1.3742	1.5572	1.2845	1.1185	1.3046	0.8416	1.0716	1.2286
1966	1.3305	1.7531	1.1144	1.1437	1.3873	0.7740	1.0923	1.1633
1967	1.3738	1.8858	1.1126	1.2104	1.4850	0.8219	1.1237	1.1350
1968	1.5046	1.9703	1.2689	1.2488	1.5460	0.8194	1.1664	1.2049
1969	1.5599	2.0718	1.2986	1.3015	1.6286	0.8545	1.1946	1.1985
1970	1.6149	2.1962	1.3159	1.3118	1.6724	0.8081	1.2106	1.2310
1971	1.6735	2.3173	1.3420	1.3235	1.6854	0.8188	1.2208	1.2644
1972	1.6929	2.4685	1.2932	1.3268	1.6717	0.8223	1.2427	1.2759
1973	1.7818	2.3746	1.4743	1.3401	1.6888	0.8173	1.2661	1.3296
1974	1.6558	2.6184	1.2032	1.4028	1.8380	0.7463	1.3181	1.1803
1975	1.9749	2.4251	1.7284	1.3114	1.6549	0.6981	1.3484	1.5059
1976	1.8997	2.7042	1.4725	1.3465	1.7218	0.6943	1.3698	1.4108
1977	2.0734	2.8372	1.6611	1.3233	1.6745	0.6923	1.3651	1.5668
1978	2.1271	2.9726	1.6752	1.4236	1.9105	0.6726	1.3899	1.4941
1979	2.2840	3.0800	1.8566	1.4601	2.0403	0.6219	1.4087	1.5643
1980	1.9566	3.0685	1.3715	1.4871	2.0395	0.6684	1.4418	1.3157
1981	2.4420	3.1932	2.0230	1.4498	1.9448	0.6754	1.4268	1.6844
1982	2.3043	3.0250	1.9029	1.3622	1.7840	0.5761	1.4060	1.6917
1983	1.9626	3.0153	1.4042	1.3773	1.8511	0.7085	1.3188	1.4250
1984	2.3626	3.2702	1.8690	1.3983	1.9923	0.6149	1.3309	1.6896
1985	2.3739	3.3704	1.8319	1.3754	1.9104	0.6539	1.3044	1.7259
1986	2.3123	3.5318	1.6280	1.3658	2.0167	0.5894	1.2530	1.6929
1987	2.5563	3.9580	1.7644	1.4377	2.3179	0.5703	1.2052	1.7780
1988	2.7062	3.9305	2.0145	1.4623	2.3888	0.5900	1.1854	1.8507
1989	2.7803	4.2502	1.9396	1.5366	2.6464	0.5602	1.1720	1.8094
1990	2.9018	4.3827	2.0591	1.6083	2.8664	0.5630	1.1513	1.8043
1991	2.9904	4.5175	2.1214	1.6445	2.9528	0.5840	1.1389	1.8185
1992	3.3589	4.5894	2.6881	1.6274	2.9222	0.5772	1.1281	2.0640
1993	3.1239	4.7816	2.1600	1.6742	3.1042	0.5596	1.1030	1.8659
Average annual rates of growth								
1960-93	0.0345	0.0474	0.0233	0.0156	0.0343	-0.0176	0.0030	0.0189
1960-66	0.0476	0.0936	0.0180	0.0224	0.0546	-0.0427	0.0147	0.0252
1966-69	0.0530	0.0557	0.0510	0.0431	0.0535	0.0330	0.0298	0.0099
1969-73	0.0333	0.0341	0.0317	0.0073	0.0091	-0.0111	0.0145	0.0260
1973-79	0.0414	0.0433	0.0384	0.0143	0.0315	-0.0455	0.0178	0.0271
1979-89	0.0197	0.0322	0.0044	0.0051	0.0260	-0.0105	-0.0184	0.0146
1989-93	0.0291	0.0295	0.0269	0.0214	0.0399	-0.0003	-0.0152	0.0077

California -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0161	1.0627	0.9879	0.9793	0.9787	0.9771	0.9835	1.0376
1962	1.0634	1.1231	1.0273	1.0050	1.0518	0.9526	0.9663	1.0581
1963	1.0825	1.1344	1.0510	1.0054	1.0728	0.9230	0.9582	1.0767
1964	1.1116	1.1271	1.0999	0.9871	1.0508	0.9020	0.9509	1.1261
1965	1.1138	1.1986	1.0647	1.0103	1.0916	0.9174	0.9497	1.1024
1966	1.1635	1.2037	1.1400	0.9936	1.0573	0.9155	0.9493	1.1711
1967	1.1006	1.2361	1.0233	0.9923	1.0906	0.8493	0.9571	1.1092
1968	1.1989	1.2415	1.1720	1.0028	1.0898	0.8857	0.9610	1.1955
1969	1.2186	1.2375	1.2058	1.0027	1.1035	0.8730	0.9540	1.2153
1970	1.2164	1.2804	1.1759	1.0107	1.0972	0.9217	0.9477	1.2035
1971	1.2478	1.2876	1.2219	1.0132	1.1278	0.8775	0.9516	1.2315
1972	1.2763	1.3468	1.2322	1.0138	1.1195	0.9039	0.9416	1.2590
1973	1.3467	1.3290	1.3533	1.0280	1.1376	0.9239	0.9440	1.3100
1974	1.4082	1.3288	1.4486	1.0682	1.1837	0.9739	0.9606	1.3183
1975	1.4836	1.3268	1.5653	1.0840	1.1837	1.0231	0.9664	1.3686
1976	1.5006	1.3645	1.5710	1.1123	1.2534	0.9940	0.9814	1.3491
1977	1.5304	1.3327	1.6342	1.0743	1.1944	0.9488	0.9970	1.4246
1978	1.5059	1.3797	1.5706	1.1275	1.3794	0.8336	1.0103	1.3357
1979	1.6226	1.3504	1.7740	1.1653	1.4016	0.9179	1.0263	1.3925
1980	1.6684	1.3061	1.8755	1.1322	1.3375	0.8802	1.0417	1.4736
1981	1.7004	1.3739	1.8856	1.1406	1.3567	0.8663	1.0534	1.4908
1982	1.7885	1.4304	1.9922	1.1361	1.3505	0.8542	1.0549	1.5743
1983	1.6279	1.4013	1.7542	1.1131	1.3125	0.8826	1.0178	1.4625
1984	1.7628	1.4804	1.9215	1.1281	1.3903	0.8457	1.0093	1.5626
1985	1.7918	1.5174	1.9458	1.0812	1.2963	0.8256	0.9878	1.6573
1986	1.7842	1.5563	1.9132	1.0706	1.3166	0.7957	0.9603	1.6666
1987	1.9082	1.5329	2.1148	1.0563	1.2981	0.8098	0.9282	1.8065
1988	1.7423	1.6140	1.8261	1.0749	1.3319	0.8435	0.9140	1.6209
1989	1.9577	1.6422	2.1362	1.1129	1.4067	0.8715	0.9078	1.7591
1990	1.9910	1.6676	2.1739	1.0953	1.4113	0.8227	0.8984	1.8178
1991	1.9197	1.7012	2.0476	1.1265	1.4670	0.8557	0.8822	1.7041
1992	2.0305	1.6612	2.2355	1.0887	1.4420	0.7846	0.8707	1.8651
1993	2.0112	1.6788	2.1980	1.1555	1.5912	0.7978	0.8707	1.7406
Average annual rates of growth								
1960-93	0.0212	0.0157	0.0239	0.0044	0.0141	-0.0068	-0.0042	0.0168
1960-66	0.0252	0.0309	0.0218	-0.0011	0.0093	-0.0147	-0.0087	0.0263
1966-69	0.0154	0.0092	0.0187	0.0031	0.0142	-0.0158	0.0016	0.0124
1969-73	0.0250	0.0178	0.0289	0.0062	0.0076	0.0142	-0.0027	0.0188
1973-79	0.0311	0.0027	0.0451	0.0209	0.0348	-0.0011	0.0139	0.0102
1979-89	0.0188	0.0196	0.0186	-0.0046	0.0004	-0.0052	-0.0123	0.0234
1989-93	0.0067	0.0055	0.0071	0.0094	0.0308	-0.0221	-0.0104	-0.0026

Colorado -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0367	1.0870	0.9725	1.0057	1.0332	0.9620	0.9902	1.0308
1962	1.0413	1.1818	0.8604	1.0557	1.1286	0.9662	0.9781	0.9864
1963	1.0185	1.2357	0.7453	1.0421	1.1307	0.9159	0.9733	0.9773
1964	1.0204	1.2299	0.7553	1.0252	1.1186	0.8803	0.9696	0.9954
1965	1.0572	1.3407	0.7135	1.0658	1.2031	0.8676	0.9695	0.9919
1966	1.1748	1.4171	0.8758	1.1072	1.2759	0.8661	0.9872	1.0611
1967	1.2406	1.5945	0.8080	1.1675	1.3800	0.8667	1.0167	1.0626
1968	1.2700	1.5533	0.9229	1.1484	1.3161	0.9028	1.0292	1.1060
1969	1.4343	1.7682	1.0221	1.2478	1.5349	0.8884	1.0228	1.1495
1970	1.5622	1.9344	1.1004	1.3073	1.6592	0.8929	1.0241	1.1950
1971	1.7076	2.1922	1.0796	1.4194	1.8915	0.8738	1.0491	1.2030
1972	1.7368	2.2894	0.9994	1.4636	2.0016	0.8486	1.0392	1.1867
1973	1.6196	2.0270	1.0931	1.3121	1.6718	0.8909	1.0568	1.2344
1974	1.4119	1.7520	0.9705	1.2064	1.3952	1.0419	1.0803	1.1703
1975	1.5242	1.8056	1.1308	1.2428	1.4935	0.9796	1.0764	1.2264
1976	1.5776	1.8597	1.1813	1.2794	1.5984	0.8942	1.0970	1.2331
1977	1.7136	2.0725	1.2186	1.3406	1.7351	0.8580	1.1072	1.2783
1978	1.8053	2.2086	1.2477	1.4905	2.0524	0.8285	1.1177	1.2112
1979	1.7480	1.9891	1.4742	1.4364	1.9530	0.7981	1.1214	1.2169
1980	1.7523	1.9298	1.5922	1.4430	1.9310	0.8533	1.1409	1.2143
1981	1.6334	1.7028	1.6286	1.3431	1.6867	0.9084	1.1345	1.2161
1982	1.6531	1.7902	1.5499	1.3614	1.8326	0.7521	1.1178	1.2143
1983	1.6807	1.8042	1.5994	1.3644	1.8676	0.8025	1.0716	1.2318
1984	1.7554	1.8598	1.7059	1.3457	1.8278	0.7842	1.0735	1.3045
1985	1.8438	1.8818	1.8994	1.3608	1.7935	0.9522	1.0550	1.3549
1986	1.8213	1.9809	1.6905	1.3529	1.8602	0.8574	1.0150	1.3462
1987	1.8500	1.9939	1.7475	1.3395	1.8369	0.9461	0.9687	1.3812
1988	1.8553	2.0346	1.6896	1.3617	1.9315	0.8555	0.9563	1.3625
1989	1.7975	1.9748	1.6317	1.3135	1.8193	0.8793	0.9533	1.3685
1990	1.8578	1.9861	1.7783	1.3210	1.8723	0.8075	0.9383	1.4064
1991	1.8696	2.0002	1.7860	1.2359	1.7300	0.7350	0.9242	1.5127
1992	1.9289	2.1025	1.7680	1.2672	1.8071	0.7127	0.9281	1.5222
1993	2.0475	2.2397	1.8623	1.2939	1.8816	0.6891	0.9210	1.5824
Average annual rates of growth								
1960-93	0.0217	0.0244	0.0188	0.0078	0.0192	-0.0113	-0.0025	0.0139
1960-66	0.0269	0.0581	-0.0221	0.0170	0.0406	-0.0240	-0.0022	0.0099
1966-69	0.0665	0.0738	0.0515	0.0398	0.0616	0.0085	0.0118	0.0267
1969-73	0.0304	0.0341	0.0168	0.0126	0.0214	0.0007	0.0082	0.0178
1973-79	0.0127	-0.0031	0.0499	0.0151	0.0259	-0.0183	0.0099	-0.0024
1979-89	0.0028	-0.0007	0.0102	-0.0089	-0.0071	0.0097	-0.0162	0.0117
1989-93	0.0326	0.0315	0.0330	-0.0038	0.0084	-0.0609	-0.0086	0.0363

Connecticut -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0030	0.9915	1.0224	0.9182	0.9042	0.9188	0.9581	1.0924
1962	0.9759	0.9736	0.9804	0.9036	0.8535	0.9344	0.9426	1.0800
1963	0.9866	0.9678	1.0162	0.8628	0.8491	0.8624	0.9111	1.1435
1964	0.9757	0.9847	0.9668	0.8531	0.8613	0.8396	0.8859	1.1437
1965	0.9690	0.9763	0.9623	0.8170	0.7786	0.8309	0.8832	1.1860
1966	0.9942	0.9694	1.0317	0.7742	0.7843	0.7463	0.8635	1.2842
1967	0.9531	0.9449	0.9676	0.7006	0.7856	0.5974	0.8738	1.3604
1968	0.9026	0.9073	0.8996	0.6875	0.7511	0.5918	0.8820	1.3129
1969	0.8762	0.8838	0.8690	0.6527	0.7282	0.5533	0.8374	1.3425
1970	0.8433	0.8593	0.8243	0.6311	0.7017	0.5275	0.8341	1.3363
1971	0.8548	0.8528	0.8592	0.6062	0.6588	0.5026	0.8350	1.4100
1972	0.8233	0.8669	0.7696	0.6244	0.6340	0.5793	0.7792	1.3184
1973	0.7882	0.8304	0.7363	0.6207	0.6051	0.5941	0.7745	1.2698
1974	0.7717	0.7762	0.7732	0.5870	0.6295	0.4981	0.7778	1.3148
1975	0.8218	0.7755	0.8925	0.5945	0.6067	0.5351	0.7817	1.3823
1976	0.8095	0.8197	0.8057	0.6272	0.6615	0.5595	0.7840	1.2907
1977	0.8490	0.8458	0.8632	0.6311	0.6440	0.5850	0.7871	1.3454
1978	0.8219	0.8425	0.8050	0.6261	0.6944	0.5194	0.7876	1.3128
1979	0.7820	0.8508	0.6986	0.6176	0.7090	0.4763	0.7926	1.2662
1980	0.8120	0.8602	0.7567	0.6320	0.6859	0.5449	0.7995	1.2849
1981	0.8214	0.8936	0.7307	0.6256	0.6556	0.5681	0.7964	1.3130
1982	0.9071	0.9580	0.8421	0.5331	0.6332	0.2997	0.7883	1.7015
1983	0.8391	0.9610	0.6858	0.6057	0.6837	0.4989	0.7710	1.3853
1984	0.8772	0.9854	0.7421	0.5898	0.6506	0.4920	0.7608	1.4874
1985	0.9011	0.9935	0.7855	0.5351	0.6183	0.3676	0.7456	1.6840
1986	0.9521	1.0085	0.8785	0.5252	0.6343	0.3442	0.7233	1.8127
1987	1.0108	0.9355	1.0861	0.4971	0.6161	0.3571	0.6346	2.0333
1988	0.9625	0.8997	1.0244	0.4845	0.5801	0.3650	0.6216	1.9865
1989	0.8992	0.8039	0.9950	0.4949	0.5996	0.3865	0.6114	1.8170
1990	1.0363	0.9494	1.1056	0.5187	0.6758	0.3923	0.6028	1.9976
1991	1.0066	0.9142	1.0825	0.5106	0.6472	0.3988	0.5961	1.9714
1992	1.1565	1.1297	1.1548	0.5249	0.6505	0.4402	0.5874	2.2032
1993	1.1011	1.1297	1.0413	0.5226	0.6468	0.4428	0.5790	2.1070
Average annual rates of growth								
1960-93	0.0029	0.0037	0.0012	-0.0197	-0.0132	-0.0247	-0.0166	0.0226
1960-66	-0.0010	-0.0052	0.0052	-0.0427	-0.0405	-0.0488	-0.0245	0.0417
1966-69	-0.0421	-0.0308	-0.0572	-0.0569	-0.0248	-0.0998	-0.0102	0.0148
1969-73	-0.0265	-0.0156	-0.0414	-0.0125	-0.0463	0.0178	-0.0195	-0.0139
1973-79	-0.0013	0.0040	-0.0088	-0.0008	0.0264	-0.0368	0.0038	-0.0005
1979-89	0.0140	-0.0057	0.0354	-0.0222	-0.0168	-0.0209	-0.0259	0.0361
1989-93	0.0506	0.0851	0.0114	0.0136	0.0190	0.0339	-0.0136	0.0370

Delaware -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9749	0.9773	0.9704	0.9070	0.8773	0.9650	0.9772	1.0749
1962	0.9785	1.0057	0.9295	0.9171	0.8942	0.9655	0.9642	1.0670
1963	1.0407	1.1185	0.9034	0.9482	0.9557	0.9246	0.9652	1.0975
1964	1.0465	1.1565	0.8541	0.9587	0.9941	0.8661	0.9628	1.0915
1965	1.1571	1.1507	1.1676	0.9635	0.9911	0.8917	0.9630	1.2009
1966	1.0652	1.2372	0.7774	0.9853	1.0566	0.8357	0.9327	1.0810
1967	1.2612	1.2814	1.2075	0.9696	1.0780	0.7281	0.9415	1.3007
1968	1.0921	1.1800	0.9294	0.8691	0.9284	0.6768	0.9574	1.2565
1969	1.3109	1.3812	1.1785	0.9252	1.0162	0.7020	0.9467	1.4168
1970	1.2771	1.3638	1.1179	0.9312	1.0172	0.7166	0.9572	1.3715
1971	1.2338	1.3155	1.0829	0.8658	0.9109	0.6821	0.9749	1.4250
1972	1.2951	1.3636	1.1640	0.8416	0.8725	0.6850	0.9591	1.5389
1973	1.4455	1.4713	1.3809	0.9199	0.9862	0.7027	0.9920	1.5715
1974	1.4189	1.5173	1.2576	0.9666	1.0538	0.6971	1.0248	1.4679
1975	1.4105	1.4145	1.3701	0.9095	0.9516	0.7320	1.0491	1.5509
1976	1.5202	1.6147	1.3485	0.9554	1.0183	0.7244	1.0764	1.5912
1977	1.4305	1.6300	1.1163	0.9403	0.9945	0.6984	1.1000	1.5213
1978	1.5845	1.7051	1.3841	1.1291	1.3203	0.6704	1.1110	1.4033
1979	1.7295	1.8765	1.4881	1.1644	1.3775	0.6603	1.1367	1.4854
1980	1.5287	1.7523	1.1746	1.1777	1.3922	0.6574	1.1626	1.2980
1981	1.7042	1.8671	1.4446	1.1663	1.3926	0.5963	1.1667	1.4612
1982	1.8090	1.9839	1.5302	1.1632	1.3506	0.6769	1.1667	1.5553
1983	1.8444	2.1077	1.4248	1.1839	1.4656	0.5921	1.1162	1.5580
1984	1.9716	2.2096	1.5913	1.3337	1.6463	0.8289	1.1387	1.4782
1985	2.0464	2.2649	1.7026	1.1836	1.5267	0.5428	1.1213	1.7289
1986	1.9974	2.3017	1.4799	1.1766	1.5108	0.6332	1.0114	1.6977
1987	2.0854	2.5125	1.3299	1.2738	1.7188	0.6533	0.9742	1.6371
1988	2.2021	2.5721	1.5494	1.2778	1.7515	0.6070	0.9617	1.7233
1989	2.3035	2.6473	1.7033	1.3415	1.8411	0.6802	0.9718	1.7170
1990	2.4266	2.7273	1.9140	1.3187	1.8500	0.5664	0.9657	1.8401
1991	2.5194	2.8128	2.0206	1.3213	1.8788	0.5221	0.9618	1.9068
1992	2.6234	2.9453	2.0752	1.2802	1.7741	0.5770	0.9598	2.0492
1993	2.5497	3.0272	1.7325	1.2542	1.7538	0.5282	0.9460	2.0329
Average annual rates of growth								
1960-93	0.0284	0.0336	0.0167	0.0069	0.0170	-0.0193	-0.0017	0.0215
1960-66	0.0105	0.0355	-0.0420	-0.0025	0.0092	-0.0299	-0.0116	0.0130
1966-69	0.0692	0.0367	0.1387	-0.0210	-0.0130	-0.0581	0.0050	0.0902
1969-73	0.0244	0.0158	0.0396	-0.0015	-0.0075	0.0003	0.0117	0.0259
1973-79	0.0299	0.0405	0.0125	0.0393	0.0557	-0.0104	0.0227	-0.0094
1979-89	0.0287	0.0344	0.0135	0.0142	0.0290	0.0030	-0.0157	0.0145
1989-93	0.0254	0.0335	0.0043	-0.0168	-0.0121	-0.0632	-0.0067	0.0422

Florida -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.1080	1.0168	1.1432	0.9818	0.9920	0.9598	0.9860	1.1285
1962	1.2316	1.0683	1.2954	1.0259	1.0790	0.9732	0.9823	1.2005
1963	1.0577	1.1153	1.0394	1.0155	1.0769	0.9491	0.9723	1.0415
1964	1.0681	1.2006	1.0275	1.0458	1.1219	0.9674	0.9900	1.0213
1965	1.2268	1.2163	1.2290	1.0724	1.1322	1.0287	1.0000	1.1440
1966	1.3063	1.2876	1.3115	1.1083	1.2197	1.0128	1.0118	1.1786
1967	1.5065	1.3969	1.5490	1.2092	1.3804	1.1116	1.0294	1.2459
1968	1.3541	1.5115	1.2972	1.1804	1.3655	1.0290	1.0366	1.1471
1969	1.5410	1.6267	1.5102	1.1988	1.4523	0.9913	1.0369	1.2854
1970	1.5102	1.5796	1.4861	1.2478	1.4564	1.1442	1.0438	1.2103
1971	1.5568	1.6694	1.5157	1.2469	1.4450	1.1417	1.0524	1.2485
1972	1.6544	1.6897	1.6420	1.2591	1.5046	1.0961	1.0607	1.3140
1973	1.8054	1.7436	1.8354	1.2701	1.4931	1.1310	1.0750	1.4214
1974	1.8721	1.8819	1.8710	1.1276	1.5150	0.6781	1.0975	1.6603
1975	1.9706	1.9120	1.9940	1.1812	1.4655	0.8511	1.1186	1.6683
1976	2.0584	1.8706	2.1286	1.2436	1.5516	0.9333	1.1255	1.6552
1977	2.0115	1.9104	2.0499	1.2501	1.5588	0.9351	1.1350	1.6091
1978	2.0939	1.8429	2.1853	1.3828	1.9346	0.9530	1.1324	1.5142
1979	2.1159	1.9313	2.1821	1.4839	2.1755	1.0041	1.1470	1.4259
1980	2.3540	2.0213	2.4803	1.4403	2.0621	0.9436	1.1708	1.6343
1981	2.2311	1.9350	2.3433	1.3830	1.9122	0.8930	1.1713	1.6133
1982	2.1946	2.1224	2.2287	1.3841	1.8946	0.9290	1.1624	1.5856
1983	2.2356	2.1225	2.2834	1.3674	1.9679	0.8852	1.1240	1.6349
1984	2.1325	2.0151	2.1811	1.3907	1.9141	1.0723	1.1044	1.5334
1985	2.1627	2.0560	2.2080	1.2708	1.8349	0.7636	1.0732	1.7018
1986	2.3139	2.1165	2.3883	1.2663	1.8729	0.7687	1.0411	1.8272
1987	2.2914	1.9465	2.4126	1.2855	2.0069	0.7751	1.0058	1.7825
1988	2.4988	2.0124	2.6662	1.2491	1.8424	0.8425	0.9765	2.0006
1989	2.4807	2.0582	2.6276	1.2272	1.8599	0.7968	0.9502	2.0215
1990	2.3994	2.0345	2.5269	1.1784	1.7924	0.7475	0.9245	2.0362
1991	2.4461	1.9620	2.6138	1.2158	1.8964	0.7978	0.8957	2.0119
1992	2.5617	2.0706	2.7324	1.2303	1.8747	0.8650	0.8869	2.0823
1993	2.6804	2.1168	2.8754	1.2870	2.1859	0.8067	0.8664	2.0826
Average annual rates of growth								
1960-93	0.0299	0.0227	0.0320	0.0076	0.0237	-0.0065	-0.0043	0.0222
1960-66	0.0445	0.0421	0.0452	0.0171	0.0331	0.0021	0.0020	0.0274
1966-69	0.0551	0.0779	0.0470	0.0262	0.0582	-0.0072	0.0081	0.0289
1969-73	0.0396	0.0174	0.0488	0.0145	0.0069	0.0330	0.0090	0.0251
1973-79	0.0264	0.0170	0.0288	0.0259	0.0627	-0.0198	0.0108	0.0005
1979-89	0.0159	0.0064	0.0186	-0.0190	-0.0157	-0.0231	-0.0188	0.0349
1989-93	0.0194	0.0070	0.0225	0.0119	0.0404	0.0031	-0.0231	0.0075

Georgia -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0607	1.0811	1.0388	0.9742	0.9961	0.9415	0.9760	1.0888
1962	1.0605	1.1196	0.9993	0.9799	1.0512	0.8918	0.9516	1.0823
1963	1.1867	1.2141	1.1574	0.9937	1.0554	0.9274	0.9403	1.1942
1964	1.2133	1.2777	1.1480	1.0022	1.1417	0.8488	0.9404	1.2107
1965	1.2598	1.3442	1.1743	1.0243	1.1935	0.8460	0.9421	1.2299
1966	1.2381	1.4541	1.0150	1.0243	1.2910	0.7490	0.9450	1.2088
1967	1.4172	1.5456	1.2779	1.0199	1.2801	0.7409	0.9663	1.3896
1968	1.3239	1.5653	1.0795	1.0299	1.2946	0.7495	0.9688	1.2854
1969	1.3586	1.6550	1.0601	1.0334	1.3750	0.6977	0.9625	1.3147
1970	1.4404	1.7209	1.1560	1.0239	1.3499	0.6967	0.9606	1.4068
1971	1.5817	1.7485	1.3957	1.0161	1.2909	0.7121	0.9808	1.5566
1972	1.5408	1.7486	1.3200	1.0228	1.3035	0.7186	0.9779	1.5065
1973	1.5697	1.7028	1.4217	1.0524	1.3416	0.7439	0.9990	1.4914
1974	1.7229	1.7495	1.6771	1.0310	1.3846	0.6187	1.0296	1.6710
1975	1.6923	1.6324	1.7243	0.9818	1.3077	0.5946	0.9948	1.7236
1976	1.6862	1.7168	1.6345	1.0505	1.4400	0.6159	1.0097	1.6051
1977	1.5056	1.7757	1.2469	0.9997	1.3482	0.5683	1.0248	1.5061
1978	1.6658	1.8336	1.4942	1.0529	1.4848	0.5542	1.0244	1.5821
1979	1.9293	2.0453	1.8031	1.1624	1.6907	0.6223	1.0420	1.6598
1980	1.6501	2.0495	1.2749	1.1694	1.6855	0.6298	1.0664	1.4110
1981	1.9443	2.1177	1.7510	1.1557	1.6287	0.7174	1.0452	1.6824
1982	1.9726	2.0542	1.8575	1.0515	1.4236	0.6130	1.0225	1.8760
1983	1.8135	2.0165	1.5995	1.0489	1.4956	0.5762	0.9657	1.7289
1984	1.9443	2.0120	1.8415	1.0532	1.5090	0.5772	0.9634	1.8462
1985	1.9597	2.0764	1.8130	1.0147	1.4408	0.5475	0.9466	1.9313
1986	1.7256	2.0864	1.3670	0.9903	1.4371	0.5141	0.9091	1.7426
1987	1.7935	2.1327	1.4513	0.9920	1.5313	0.4719	0.8535	1.8080
1988	1.8875	2.1966	1.5676	0.9730	1.4881	0.4783	0.8385	1.9399
1989	2.0130	2.2512	1.7552	0.9959	1.5207	0.5289	0.8187	2.0213
1990	1.9239	2.3500	1.4949	0.9645	1.4689	0.5007	0.8107	1.9948
1991	2.1359	2.3850	1.8546	0.9590	1.4469	0.5288	0.7919	2.2273
1992	2.2480	2.5127	1.9495	0.9504	1.4349	0.5215	0.7856	2.3654
1993	2.1615	2.6507	1.6612	1.0150	1.6166	0.5074	0.7745	2.1296
Average annual rates of growth								
1960-93	0.0234	0.0295	0.0154	0.0005	0.0146	-0.0206	-0.0077	0.0229
1960-66	0.0356	0.0624	0.0025	0.0040	0.0426	-0.0482	-0.0094	0.0316
1966-69	0.0310	0.0431	0.0145	0.0030	0.0210	-0.0237	0.0061	0.0280
1969-73	0.0361	0.0071	0.0734	0.0046	-0.0061	0.0161	0.0093	0.0315
1973-79	0.0344	0.0305	0.0396	0.0166	0.0385	-0.0297	0.0070	0.0178
1979-89	0.0042	0.0096	-0.0027	-0.0155	-0.0106	-0.0163	-0.0241	0.0197
1989-93	0.0178	0.0408	-0.0138	0.0048	0.0153	-0.0104	-0.0139	0.0130

Idaho -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0688	1.0259	1.0983	1.0025	1.0144	0.9904	0.9984	1.0661
1962	1.1236	1.0381	1.1854	0.9955	1.0159	0.9728	0.9938	1.1287
1963	1.1782	1.0865	1.2445	1.0026	1.0592	0.9429	1.0073	1.1752
1964	1.1861	1.0707	1.2694	1.0114	1.0817	0.9344	1.0293	1.1727
1965	1.1761	1.0642	1.2570	1.0110	1.0572	0.9451	1.0494	1.1633
1966	1.1565	1.0560	1.2292	0.9954	1.0758	0.8868	1.0727	1.1618
1967	1.2904	1.0658	1.4594	0.9256	1.0794	0.7287	1.1003	1.3941
1968	1.3103	1.1305	1.4408	0.9231	1.1532	0.6660	1.1347	1.4193
1969	1.3248	1.1030	1.4912	0.9231	1.1632	0.6584	1.1391	1.4352
1970	1.3706	1.1936	1.4974	0.9313	1.2278	0.6344	1.1555	1.4716
1971	1.4501	1.2539	1.5927	0.9401	1.2501	0.6323	1.1713	1.5425
1972	1.4448	1.2585	1.5778	0.9561	1.2691	0.6518	1.1749	1.5111
1973	1.4844	1.2454	1.6634	0.9850	1.3698	0.6374	1.2035	1.5070
1974	1.4685	1.1941	1.6680	1.0814	1.4989	0.7472	1.2543	1.3580
1975	1.4512	1.1723	1.6528	1.0388	1.4750	0.6092	1.2972	1.3970
1976	1.5715	1.1646	1.8623	1.0855	1.4312	0.7889	1.3211	1.4478
1977	1.5154	1.1924	1.7432	1.0717	1.4321	0.7181	1.3544	1.4140
1978	1.7229	1.2397	2.0849	1.2126	1.7943	0.7621	1.3678	1.4209
1979	1.8238	1.4675	2.0372	1.2560	1.9477	0.6941	1.3974	1.4521
1980	1.8937	1.4880	2.1516	1.2469	1.8958	0.7010	1.4184	1.5187
1981	1.9633	1.5408	2.2329	1.2736	1.8763	0.8690	1.4229	1.5415
1982	2.0282	1.5485	2.3434	1.1649	1.8398	0.5458	1.4034	1.7411
1983	1.9714	1.5015	2.2809	1.0715	1.8058	0.3962	1.3544	1.8398
1984	1.9779	1.4846	2.3056	1.0642	1.7298	0.4498	1.3352	1.8586
1985	1.9041	1.6043	2.0806	1.0313	1.7013	0.4127	1.2991	1.8464
1986	1.9564	1.5408	2.2245	1.0059	1.6272	0.4471	1.2404	1.9450
1987	2.0347	1.5962	2.3186	0.9637	1.6534	0.3870	1.1566	2.1113
1988	2.0140	1.7637	2.1305	0.9890	1.7474	0.4057	1.1274	2.0364
1989	2.0785	1.6969	2.2997	1.0093	1.7702	0.4426	1.1192	2.0594
1990	2.2195	1.8184	2.4506	0.9745	1.6938	0.4283	1.0979	2.2776
1991	1.9602	1.7457	2.0567	0.8991	1.6113	0.3367	1.0726	2.1802
1992	2.2598	1.8091	2.5302	0.9278	1.7537	0.3203	1.0592	2.4356
1993	2.3649	1.8691	2.6682	0.8962	1.7108	0.2964	1.0336	2.6389
Average annual rates of growth								
1960-93	0.0261	0.0190	0.0297	-0.0033	0.0163	-0.0369	0.0010	0.0294
1960-66	0.0242	0.0091	0.0344	-0.0008	0.0122	-0.0200	0.0117	0.0250
1966-69	0.0453	0.0145	0.0644	-0.0251	0.0260	-0.0992	0.0200	0.0704
1969-73	0.0284	0.0303	0.0273	0.0162	0.0409	-0.0081	0.0137	0.0122
1973-79	0.0343	0.0274	0.0338	0.0405	0.0587	0.0142	0.0249	-0.0062
1979-89	0.0131	0.0145	0.0121	-0.0219	-0.0096	-0.0450	-0.0222	0.0349
1989-93	0.0323	0.0242	0.0372	-0.0297	-0.0085	-0.1003	-0.0199	0.0620

Illinois -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0235	1.0164	1.0302	0.9633	0.9644	0.9613	0.9630	1.0625
1962	1.0456	1.0291	1.0609	0.9732	0.9860	0.9571	0.9626	1.0744
1963	1.0895	1.0276	1.1435	0.9611	0.9730	0.9262	0.9756	1.1336
1964	1.0453	1.0289	1.0638	0.9593	0.9916	0.8806	0.9844	1.0896
1965	1.1275	0.9446	1.2807	0.9441	0.9668	0.8650	0.9908	1.1942
1966	1.0632	0.9332	1.1699	0.9725	1.0541	0.8037	1.0158	1.0932
1967	1.2004	0.9265	1.4366	0.9751	1.0480	0.7926	1.0488	1.2310
1968	1.1345	0.9337	1.3033	0.9751	1.0755	0.7442	1.0620	1.1635
1969	1.1307	0.8693	1.3608	0.9519	1.0391	0.7209	1.0558	1.1879
1970	1.0205	0.8677	1.1434	0.9395	1.0203	0.6944	1.0652	1.0863
1971	1.1861	0.8558	1.4735	0.9172	0.9513	0.6992	1.0693	1.2932
1972	1.1799	0.8327	1.4849	0.9347	0.9858	0.7109	1.0711	1.2624
1973	1.1729	0.8131	1.4911	0.9580	0.9905	0.7215	1.1346	1.2244
1974	1.0073	0.7830	1.2137	0.9938	1.0751	0.6755	1.1773	1.0136
1975	1.3044	0.7226	1.7870	0.9928	1.0559	0.6950	1.1869	1.3140
1976	1.2575	0.7390	1.6866	1.0287	1.1025	0.7105	1.2312	1.2224
1977	1.3228	0.7444	1.8023	1.0395	1.1200	0.7134	1.2415	1.2725
1978	1.2922	0.7246	1.7632	1.0344	1.1358	0.6703	1.2418	1.2492
1979	1.4591	0.7397	2.0702	1.0832	1.2122	0.7226	1.2654	1.3470
1980	1.2652	0.7657	1.6770	1.0843	1.2297	0.6341	1.2957	1.1668
1981	1.4693	0.7297	2.0900	1.0675	1.1758	0.6801	1.2797	1.3765
1982	1.4521	0.6783	2.1086	1.0283	1.1445	0.5477	1.2762	1.4121
1983	0.9823	0.6865	1.1969	0.9571	1.0961	0.5484	1.1461	1.0263
1984	1.2861	0.6558	1.7819	0.9557	0.9905	0.5770	1.1985	1.3458
1985	1.5092	0.6645	2.1863	0.9382	0.9664	0.5575	1.1837	1.6086
1986	1.4072	0.6363	2.0219	0.9191	0.9861	0.5512	1.1272	1.5311
1987	1.3108	0.6459	1.8245	0.8646	0.9452	0.5010	1.0553	1.5161
1988	1.0253	0.6941	1.2362	0.8618	0.9285	0.5526	1.0320	1.1897
1989	1.4394	0.6629	2.0201	0.8986	1.0068	0.5720	1.0283	1.6018
1990	1.4182	0.6489	1.9952	0.8478	0.9258	0.5173	1.0241	1.6728
1991	1.3322	0.6652	1.8120	0.8483	0.9559	0.4848	1.0124	1.5704
1992	1.6304	0.6771	2.3619	0.8460	0.9833	0.4635	0.9905	1.9271
1993	1.4618	0.6634	2.0585	0.8496	1.0252	0.4510	0.9642	1.7206
Average annual rates of growth								
1960-93	0.0115	-0.0124	0.0219	-0.0049	0.0008	-0.0241	-0.0011	0.0164
1960-66	0.0102	-0.0115	0.0262	-0.0046	0.0088	-0.0364	0.0026	0.0149
1966-69	0.0205	-0.0236	0.0504	-0.0072	-0.0048	-0.0362	0.0129	0.0277
1969-73	0.0092	-0.0167	0.0228	0.0016	-0.0120	0.0002	0.0180	0.0076
1973-79	0.0364	-0.0158	0.0547	0.0205	0.0337	0.0003	0.0182	0.0159
1979-89	-0.0014	-0.0110	-0.0025	-0.0187	-0.0186	-0.0234	-0.0207	0.0173
1989-93	0.0039	0.0002	0.0047	-0.0140	0.0045	-0.0594	-0.0161	0.0179

Indiana -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9918	1.0124	0.9702	0.9510	0.9473	0.9458	0.9699	1.0429
1962	1.0215	1.0096	1.0331	0.9412	0.9502	0.9204	0.9613	1.0853
1963	1.0720	1.0164	1.1254	0.9186	0.9418	0.8698	0.9714	1.1670
1964	0.9944	1.0026	0.9906	0.9055	0.9594	0.8209	0.9782	1.0982
1965	1.0424	0.9182	1.1632	0.8752	0.9157	0.7912	0.9806	1.1910
1966	0.9899	0.8984	1.0776	0.8925	1.0230	0.7404	0.9945	1.1092
1967	1.0335	0.9306	1.1325	0.8387	0.9924	0.6438	1.0255	1.2323
1968	1.0336	0.8889	1.1761	0.8014	0.9425	0.6035	1.0232	1.2897
1969	1.0619	0.8668	1.2611	0.7852	0.9329	0.5811	1.0186	1.3523
1970	1.0164	0.9167	1.1081	0.8012	0.9519	0.5956	1.0316	1.2686
1971	1.1794	0.9407	1.4164	0.8216	0.9255	0.6312	1.0651	1.4354
1972	1.1332	0.9320	1.3298	0.8449	0.9647	0.6560	1.0554	1.3413
1973	1.1821	0.9200	1.4463	0.8805	0.9966	0.6848	1.1124	1.3425
1974	0.9923	0.8644	1.1350	0.8470	1.0323	0.5567	1.1515	1.1715
1975	1.1687	0.8128	1.5010	0.8351	0.9683	0.5980	1.1645	1.3995
1976	1.2786	0.8747	1.6562	0.8854	1.1270	0.5410	1.1897	1.4440
1977	1.2830	0.8407	1.6990	0.8866	1.1028	0.5570	1.2124	1.4470
1978	1.2946	0.8529	1.7096	0.9020	1.1959	0.4910	1.2109	1.4352
1979	1.3490	0.8775	1.7936	0.9325	1.2354	0.5177	1.2433	1.4466
1980	1.3309	0.9262	1.7087	0.9513	1.2723	0.5117	1.2664	1.3991
1981	1.3457	0.8836	1.7787	0.9273	1.1872	0.5357	1.2585	1.4512
1982	1.4566	0.8598	2.0340	0.9013	1.1720	0.4666	1.2469	1.6161
1983	1.0868	0.9402	1.1881	0.8719	1.1890	0.5185	1.1206	1.2464
1984	1.4056	0.8961	1.8534	0.8486	1.0905	0.4640	1.1728	1.6564
1985	1.5150	0.9337	2.0311	0.8373	1.0601	0.4680	1.1627	1.8095
1986	1.4196	0.9485	1.8205	0.8296	1.0906	0.4767	1.1037	1.7112
1987	1.4526	0.9894	1.8401	0.8011	1.0846	0.4633	1.0327	1.8132
1988	1.1431	0.9698	1.2541	0.7884	1.0391	0.4861	1.0204	1.4499
1989	1.4751	0.9319	1.9107	0.7758	1.0180	0.4764	1.0121	1.9014
1990	1.5031	0.9607	1.9353	0.7810	1.0766	0.4372	1.0065	1.9246
1991	1.3406	0.9710	1.5954	0.7713	1.0820	0.4179	0.9884	1.7331
1992	1.6836	1.0150	2.2229	0.7660	1.0927	0.4087	0.9664	2.1979
1993	1.6261	0.9997	2.1261	0.7956	1.1723	0.4251	0.9531	2.0440
Average annual rates of growth								
1960-93	0.0147	-0.0000	0.0229	-0.0069	0.0048	-0.0259	-0.0015	0.0217
1960-66	-0.0017	-0.0179	0.0124	-0.0190	0.0038	-0.0501	-0.0009	0.0173
1966-69	0.0234	-0.0119	0.0524	-0.0427	-0.0307	-0.0808	0.0080	0.0661
1969-73	0.0268	0.0149	0.0342	0.0286	0.0165	0.0410	0.0220	-0.0018
1973-79	0.0220	-0.0079	0.0359	0.0096	0.0358	-0.0466	0.0185	0.0125
1979-89	0.0089	0.0060	0.0063	-0.0184	-0.0194	-0.0083	-0.0206	0.0273
1989-93	0.0244	0.0175	0.0267	0.0063	0.0353	-0.0285	-0.0150	0.0181

Iowa -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0254	1.0302	1.0172	0.9811	0.9938	0.9692	0.9609	1.0451
1962	1.0448	1.0636	1.0138	0.9951	1.0296	0.9493	0.9624	1.0499
1963	1.1155	1.1016	1.1334	1.0008	1.0504	0.9218	0.9778	1.1146
1964	1.1318	1.1756	1.0708	1.0129	1.1010	0.8743	0.9811	1.1174
1965	1.1051	1.1102	1.0979	1.0005	1.0766	0.8668	0.9961	1.1045
1966	1.1825	1.1545	1.2257	1.0426	1.1693	0.8474	1.0059	1.1342
1967	1.2416	1.2146	1.2832	1.0562	1.1972	0.8064	1.0726	1.1755
1968	1.2300	1.1948	1.2845	1.0473	1.2033	0.7706	1.0742	1.1744
1969	1.1943	1.1302	1.2986	1.0469	1.1958	0.7672	1.0907	1.1409
1970	1.1860	1.1498	1.2430	1.0444	1.2088	0.7370	1.1018	1.1357
1971	1.2684	1.1313	1.4928	1.0343	1.1766	0.7271	1.1277	1.2264
1972	1.2784	1.0884	1.6026	1.0395	1.1886	0.7350	1.1164	1.2299
1973	1.2672	1.0226	1.6915	1.0362	1.1550	0.7267	1.1863	1.2230
1974	1.1141	1.0077	1.3437	1.0289	1.1477	0.6857	1.2359	1.0829
1975	1.1672	0.9329	1.5568	1.0545	1.1623	0.7406	1.2440	1.1068
1976	1.2159	1.0334	1.5362	1.0995	1.2392	0.7461	1.2698	1.1058
1977	1.2795	1.0998	1.5985	1.0791	1.2020	0.7198	1.2871	1.1858
1978	1.4007	1.0770	1.9634	1.1181	1.2686	0.7601	1.2822	1.2527
1979	1.4335	1.0213	2.1678	1.1469	1.3022	0.7646	1.3164	1.2500
1980	1.4252	1.0907	2.0213	1.1663	1.3319	0.7444	1.3534	1.2219
1981	1.5086	1.0588	2.2864	1.1067	1.2663	0.5876	1.3489	1.3632
1982	1.3942	0.9910	2.0922	1.1163	1.2393	0.6969	1.3237	1.2490
1983	1.0690	0.9426	1.2952	1.0241	1.1648	0.6788	1.1698	1.0438
1984	1.2804	0.8950	1.8951	0.9993	1.0342	0.6631	1.2538	1.2814
1985	1.3975	0.8919	2.1990	0.9770	1.0133	0.6248	1.2402	1.4305
1986	1.3964	0.8940	2.1922	0.9613	1.0229	0.6206	1.1699	1.4526
1987	1.3158	0.9316	1.8923	0.9483	1.0422	0.6330	1.0834	1.3875
1988	1.1181	0.9306	1.3597	0.9266	1.0020	0.6451	1.0599	1.2067
1989	1.3493	0.9305	1.9479	0.9186	1.0213	0.5959	1.0739	1.4688
1990	1.3997	0.9460	2.0567	0.9502	1.0837	0.6160	1.0593	1.4731
1991	1.3558	0.9321	1.9601	0.9161	1.0349	0.5823	1.0608	1.4800
1992	1.5654	1.0161	2.3781	0.9060	1.0412	0.5616	1.0404	1.7278
1993	1.1596	0.9989	1.3141	0.8712	1.0382	0.4941	1.0067	1.3310
Average annual rates of growth								
1960-93	0.0045	-0.0000	0.0083	-0.0042	0.0011	-0.0214	0.0002	0.0087
1960-66	0.0279	0.0239	0.0339	0.0069	0.0261	-0.0276	0.0010	0.0210
1966-69	0.0033	-0.0071	0.0193	0.0014	0.0075	-0.0331	0.0270	0.0019
1969-73	0.0148	-0.0250	0.0661	-0.0026	-0.0087	-0.0136	0.0210	0.0174
1973-79	0.0206	-0.0002	0.0413	0.0169	0.0200	0.0085	0.0173	0.0036
1979-89	-0.0061	-0.0093	-0.0107	-0.0222	-0.0243	-0.0249	-0.0204	0.0161
1989-93	-0.0379	0.0177	-0.0984	-0.0132	0.0041	-0.0468	-0.0162	-0.0246

Kansas – Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0321	1.2140	0.8970	1.0443	1.1333	0.9465	0.9806	0.9883
1962	0.9791	1.2343	0.7914	1.0106	1.0821	0.9208	0.9710	0.9689
1963	0.9815	1.3434	0.7226	1.0376	1.1598	0.8874	0.9787	0.9459
1964	0.9714	1.3122	0.7253	0.9815	1.0541	0.8618	0.9740	0.9897
1965	1.0300	1.2399	0.8614	0.9921	1.0847	0.8538	0.9763	1.0382
1966	1.0226	1.3670	0.7658	1.0252	1.1729	0.8347	0.9927	0.9974
1967	1.0809	1.3846	0.8490	1.0235	1.1814	0.7915	1.0322	1.0561
1968	1.1512	1.4093	0.9506	1.0267	1.2184	0.7596	1.0367	1.1212
1969	1.2637	1.5046	1.0784	1.0502	1.3620	0.7022	1.0243	1.2033
1970	1.2592	1.6163	0.9718	1.0589	1.3979	0.6936	1.0257	1.1891
1971	1.4338	1.7442	1.1989	1.0878	1.4620	0.6999	1.0414	1.3181
1972	1.5428	1.9476	1.2128	1.1604	1.6882	0.7008	1.0212	1.3295
1973	1.5485	1.7903	1.3774	1.1523	1.6055	0.7197	1.0786	1.3439
1974	1.2817	1.5709	1.0819	1.0784	1.4388	0.6610	1.1228	1.1886
1975	1.3336	1.5095	1.1889	1.0724	1.4293	0.6450	1.1325	1.2436
1976	1.4132	1.6824	1.2113	1.1370	1.5475	0.6840	1.1502	1.2429
1977	1.5639	1.8362	1.3581	1.1815	1.6516	0.6806	1.1641	1.3237
1978	1.4628	1.8152	1.1897	1.3005	1.9844	0.6722	1.1409	1.1248
1979	1.6197	1.7912	1.5440	1.3219	1.9883	0.7353	1.1497	1.2253
1980	1.4731	1.7571	1.2735	1.3240	1.9385	0.7607	1.2010	1.1127
1981	1.5053	1.7354	1.3536	1.2519	1.7368	0.8159	1.1880	1.2024
1982	1.6210	1.7281	1.5790	1.2646	1.8699	0.7535	1.1510	1.2819
1983	1.4908	1.7904	1.2808	1.2484	1.9059	0.7705	1.0748	1.1942
1984	1.5993	1.8056	1.4715	1.2029	1.8536	0.6041	1.0939	1.3296
1985	1.7206	1.8145	1.6966	1.2026	1.8223	0.6564	1.0823	1.4308
1986	1.7308	1.9481	1.5980	1.2074	1.9438	0.5989	1.0339	1.4335
1987	1.7217	1.9598	1.5689	1.1719	1.8993	0.5839	0.9892	1.4692
1988	1.6132	1.9788	1.3261	1.1653	1.9479	0.5412	0.9555	1.3843
1989	1.5425	2.0106	1.1508	1.1279	1.8368	0.5584	0.9521	1.3675
1990	1.8088	2.0904	1.6375	1.1799	1.9649	0.5864	0.9375	1.5330
1991	1.7689	2.0580	1.5851	1.1513	1.9311	0.5447	0.9247	1.5364
1992	1.9738	2.1787	1.9032	1.2141	2.1261	0.5210	0.9159	1.6258
1993	1.8082	2.1064	1.6192	1.1623	1.9936	0.5167	0.9132	1.5557
Average annual rates of growth								
1960-93	0.0179	0.0226	0.0146	0.0046	0.0209	-0.0200	-0.0028	0.0134
1960-66	0.0037	0.0521	-0.0445	0.0042	0.0266	-0.0301	-0.0012	-0.0004
1966-69	0.0706	0.0320	0.1141	0.0080	0.0498	-0.0576	0.0104	0.0626
1969-73	0.0508	0.0435	0.0612	0.0232	0.0411	0.0061	0.0129	0.0276
1973-79	0.0075	0.0001	0.0190	0.0229	0.0356	0.0036	0.0106	-0.0154
1979-89	-0.0049	0.0116	-0.0294	-0.0159	-0.0079	-0.0275	-0.0189	0.0110
1989-93	0.0397	0.0116	0.0854	0.0075	0.0205	-0.0194	-0.0104	0.0322

Kentucky -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0857	1.0398	1.1246	0.9803	0.9746	0.9854	0.9834	1.1075
1962	1.0909	1.0613	1.1159	0.9815	1.0040	0.9554	0.9828	1.1115
1963	1.1626	1.0897	1.2256	0.9985	1.0386	0.9557	0.9954	1.1644
1964	1.2533	1.1191	1.3670	0.9866	1.0247	0.9335	1.0087	1.2704
1965	1.1295	1.0805	1.1742	0.9745	1.0052	0.9184	1.0173	1.1590
1966	1.0910	1.0979	1.0865	0.9765	1.0738	0.8562	1.0367	1.1173
1967	1.2840	1.1310	1.4293	0.9951	1.0843	0.8753	1.0655	1.2903
1968	1.1801	1.2033	1.1676	0.9841	1.1624	0.7890	1.0902	1.1992
1969	1.2344	1.2020	1.2743	0.9628	1.1571	0.7483	1.0872	1.2822
1970	1.2105	1.2328	1.1952	0.9552	1.1725	0.7162	1.0993	1.2673
1971	1.2403	1.2630	1.2249	0.9386	1.0952	0.7097	1.1258	1.3215
1972	1.2712	1.2324	1.3200	0.9678	1.1980	0.7055	1.1360	1.3135
1973	1.2218	1.1932	1.2647	0.9439	1.1411	0.6772	1.1605	1.2945
1974	1.3156	1.2328	1.3997	0.9523	1.2105	0.6275	1.1928	1.3815
1975	1.2331	1.0971	1.3591	0.9360	1.1492	0.6317	1.2066	1.3174
1976	1.3904	1.1441	1.6111	0.9424	1.1813	0.6178	1.2218	1.4754
1977	1.5972	1.3717	1.7966	0.9638	1.2154	0.6239	1.2541	1.6572
1978	1.4441	1.2575	1.6082	1.0134	1.3514	0.6182	1.2875	1.4249
1979	1.4572	1.1896	1.7085	0.9728	1.3274	0.5217	1.3080	1.4981
1980	1.4606	1.3617	1.5307	1.0115	1.3777	0.5606	1.3386	1.4440
1981	1.6937	1.4945	1.8539	0.9885	1.2804	0.5791	1.3333	1.7133
1982	1.7551	1.4619	2.0006	0.9854	1.2529	0.5911	1.3335	1.7810
1983	1.5132	1.6755	1.3463	0.9468	1.2354	0.5360	1.2901	1.5982
1984	1.7266	1.6197	1.7832	0.9176	1.1335	0.5251	1.2905	1.8816
1985	1.8432	1.5925	2.0202	0.8897	1.1258	0.4639	1.2891	2.0717
1986	1.6110	1.5614	1.6069	0.9020	1.2023	0.4694	1.2535	1.7860
1987	1.5194	1.5292	1.4562	0.8523	1.0684	0.4757	1.2053	1.7828
1988	1.4408	1.5017	1.3252	0.9123	1.2884	0.4884	1.1874	1.5793
1989	1.7262	1.5483	1.8497	0.9170	1.2621	0.5258	1.1825	1.8825
1990	1.6946	1.5074	1.8300	0.9770	1.4184	0.5557	1.1869	1.7344
1991	1.7606	1.5941	1.8683	0.9518	1.3957	0.5143	1.1897	1.8499
1992	1.8780	1.5837	2.1191	0.9525	1.4109	0.5105	1.1829	1.9718
1993	1.8346	1.5802	2.0353	0.9573	1.4465	0.5029	1.1762	1.9163
Average annual rates of growth								
1960-93	0.0184	0.0139	0.0215	-0.0013	0.0112	-0.0208	0.0049	0.0197
1960-66	0.0145	0.0156	0.0138	-0.0040	0.0119	-0.0259	0.0060	0.0185
1966-69	0.0412	0.0302	0.0532	-0.0047	0.0249	-0.0449	0.0159	0.0459
1969-73	-0.0026	-0.0018	-0.0019	-0.0050	-0.0035	-0.0250	0.0163	0.0024
1973-79	0.0294	-0.0005	0.0501	0.0050	0.0252	-0.0435	0.0199	0.0243
1979-89	0.0169	0.0264	0.0079	-0.0059	-0.0050	0.0008	-0.0101	0.0228
1989-93	0.0152	0.0051	0.0239	0.0108	0.0341	-0.0112	-0.0013	0.0045

Louisiana -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0509	1.0568	1.0473	0.9950	1.0104	0.9781	0.9892	1.0562
1962	1.0865	1.0727	1.0948	0.9970	1.0354	0.9511	0.9901	1.0898
1963	1.2471	1.1203	1.3232	1.0192	1.0963	0.9272	1.0102	1.2237
1964	1.2304	1.1803	1.2626	1.0149	1.0894	0.9016	1.0429	1.2124
1965	1.2714	1.2324	1.2971	1.0291	1.1237	0.8834	1.0741	1.2354
1966	1.3211	1.2621	1.3594	1.0513	1.1909	0.8601	1.0954	1.2567
1967	1.4458	1.3266	1.5242	1.0822	1.3018	0.8134	1.1251	1.3360
1968	1.5570	1.3221	1.7136	1.1039	1.3513	0.7907	1.1701	1.4105
1969	1.3998	1.3152	1.4466	1.0875	1.3298	0.7422	1.1940	1.2872
1970	1.5221	1.3950	1.6007	1.0748	1.3412	0.6931	1.1986	1.4162
1971	1.5456	1.4642	1.5899	1.0967	1.3829	0.7025	1.2168	1.4093
1972	1.6126	1.5204	1.6641	1.1121	1.4130	0.7120	1.2258	1.4501
1973	1.4919	1.3518	1.5772	1.0908	1.3562	0.6875	1.2391	1.3677
1974	1.5391	1.3558	1.6492	1.1625	1.5373	0.6945	1.2627	1.3240
1975	1.6272	1.3540	1.7781	1.0483	1.3084	0.6322	1.2324	1.5522
1976	1.7854	1.4280	1.9792	1.1252	1.4710	0.6780	1.2369	1.5867
1977	1.7157	1.3818	1.8967	1.0511	1.3217	0.6182	1.2266	1.6323
1978	1.7785	1.2799	2.0568	1.1339	1.5459	0.6236	1.2443	1.5685
1979	1.8903	1.2437	2.2689	1.1416	1.5844	0.6066	1.2501	1.6559
1980	1.6806	1.2687	1.9025	1.1747	1.6406	0.6376	1.2675	1.4306
1981	1.9037	1.2552	2.2742	1.1474	1.4870	0.6997	1.2702	1.6592
1982	2.0626	1.2800	2.5185	1.1243	1.4576	0.6272	1.2697	1.8346
1983	1.7929	1.2979	2.0690	1.0829	1.4480	0.5896	1.2068	1.6557
1984	1.9559	1.2436	2.3661	1.0787	1.4955	0.5099	1.2072	1.8133
1985	1.8065	1.3169	2.0715	1.0534	1.3885	0.5743	1.1799	1.7149
1986	1.7497	1.3370	1.9622	1.0215	1.3991	0.5132	1.1382	1.7128
1987	1.7454	1.2271	2.0350	1.0456	1.5693	0.5380	1.0654	1.6694
1988	2.1010	1.3316	2.5573	1.0440	1.5529	0.5894	1.0358	2.0125
1989	1.7556	1.0887	2.1562	1.0512	1.6286	0.5594	1.0140	1.6701
1990	1.9881	1.2243	2.4494	1.0338	1.6419	0.5230	0.9914	1.9232
1991	1.8901	1.2218	2.2780	1.0501	1.7482	0.4951	0.9754	1.8000
1992	2.2785	1.3513	2.8509	1.0801	1.7460	0.5915	0.9462	2.1095
1993	2.0349	1.4646	2.3310	1.0698	1.7730	0.5662	0.9195	1.9021
Average annual rates of growth								
1960-93	0.0215	0.0116	0.0256	0.0020	0.0174	-0.0172	-0.0025	0.0195
1960-66	0.0464	0.0388	0.0512	0.0083	0.0291	-0.0251	0.0152	0.0381
1966-69	0.0532	0.0137	0.0207	0.0113	0.0368	-0.0491	0.0287	0.0080
1969-73	0.0159	0.0069	0.0216	0.0008	0.0049	-0.0192	0.0093	0.0152
1973-79	0.0395	-0.0139	0.0606	0.0076	0.0259	-0.0209	0.0015	0.0319
1979-89	-0.0074	-0.0133	-0.0051	-0.0083	0.0028	-0.0081	-0.0209	0.0009
1989-93	0.0369	0.0741	0.0195	0.0044	0.0212	0.0031	-0.0245	0.0325

Maine -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0733	1.0570	1.0924	0.9596	0.9472	0.9722	0.9725	1.1185
1962	1.0904	1.0826	1.0956	0.9390	0.9402	0.9339	0.9490	1.1612
1963	1.1271	1.1307	1.1138	0.9585	0.9477	0.9821	0.9347	1.1759
1964	1.1250	1.1644	1.0718	0.9543	0.9572	0.9583	0.9322	1.1789
1965	1.0870	1.1640	1.0035	0.9477	0.9541	0.9387	0.9511	1.1470
1966	1.0884	1.1833	0.9879	0.9550	0.9783	0.9266	0.9521	1.1396
1967	1.0960	1.1882	0.9980	0.8792	0.9712	0.7461	0.9556	1.2466
1968	1.1005	1.1921	1.0037	0.8415	0.9480	0.6837	0.9517	1.3078
1969	1.0976	1.2319	0.9421	0.8454	0.9757	0.6710	0.9377	1.2983
1970	1.1082	1.3078	0.8749	0.8290	0.9712	0.6413	0.9263	1.3368
1971	1.1164	1.3152	0.8839	0.7737	0.9140	0.5698	0.9134	1.4430
1972	1.1338	1.3296	0.9046	0.7674	0.8730	0.6012	0.9019	1.4776
1973	1.1094	1.3654	0.8286	0.7960	0.8980	0.6382	0.9203	1.3937
1974	1.0401	1.4169	0.6897	0.7776	0.9569	0.5009	0.9696	1.3375
1975	1.1247	1.4407	0.8056	0.7750	0.9344	0.5230	0.9745	1.4511
1976	1.1425	1.5253	0.7690	0.8243	1.0024	0.5619	0.9939	1.3861
1977	1.1289	1.5428	0.7344	0.8527	1.0392	0.5863	1.0118	1.3240
1978	1.1661	1.5873	0.7625	0.8894	1.1340	0.5660	1.0192	1.3112
1979	1.1580	1.5717	0.7616	0.8655	1.1173	0.5162	1.0336	1.3378
1980	1.0608	1.4232	0.7135	0.8714	1.0551	0.6097	1.0429	1.2173
1981	1.0226	1.3854	0.6777	0.8536	0.9773	0.6733	1.0438	1.1979
1982	1.0047	1.2205	0.7753	0.6867	0.7992	0.3599	1.0325	1.4632
1983	1.0019	1.2189	0.7714	0.7081	0.8158	0.4313	1.0012	1.4150
1984	0.9560	1.2390	0.6714	0.6832	0.7782	0.4379	0.9585	1.3992
1985	0.9444	1.1483	0.7267	0.6092	0.6617	0.3644	0.9304	1.5503
1986	0.9682	1.0749	0.8390	0.6162	0.6757	0.3991	0.8922	1.5713
1987	0.8938	1.0520	0.7253	0.5905	0.6779	0.3474	0.8537	1.5136
1988	0.9075	0.9732	0.8082	0.5220	0.6217	0.2483	0.8243	1.7384
1989	0.8196	0.8661	0.7399	0.5310	0.6527	0.2541	0.7992	1.5435
1990	0.9030	1.0146	0.7712	0.5588	0.6890	0.2856	0.7825	1.6158
1991	0.8612	0.9959	0.7142	0.5372	0.6906	0.2556	0.7501	1.6031
1992	0.9526	1.0758	0.8101	0.5310	0.6562	0.2787	0.7312	1.7938
1993	0.9240	1.1114	0.7319	0.5309	0.6729	0.2723	0.7146	1.7404
Average annual rates of growth								
1960-93	-0.0024	0.0032	-0.0095	-0.0192	-0.0120	-0.0394	-0.0102	0.0168
1960-66	0.0141	0.0280	-0.0020	-0.0077	-0.0037	-0.0127	-0.0082	0.0218
1966-69	0.0028	0.0134	-0.0158	-0.0406	-0.0009	-0.1076	-0.0051	0.0435
1969-73	0.0027	0.0257	-0.0321	-0.0151	-0.0207	-0.0125	-0.0047	0.0177
1973-79	0.0071	0.0235	-0.0141	0.0140	0.0364	-0.0354	0.0193	-0.0068
1979-89	-0.0346	-0.0596	-0.0029	-0.0489	-0.0538	-0.0709	-0.0257	0.0143
1989-93	0.0300	0.0623	-0.0027	-0.0000	0.0076	0.0173	-0.0280	0.0300

Maryland -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0089	1.0159	0.9986	0.9748	0.9747	0.9727	0.9788	1.0350
1962	1.0179	1.0681	0.9449	0.9898	1.0063	0.9791	0.9570	1.0284
1963	1.0164	1.0898	0.9112	0.9673	0.9785	0.9576	0.9500	1.0507
1964	1.0357	1.0828	0.9664	0.9537	0.9855	0.9124	0.9364	1.0860
1965	1.1229	1.1300	1.1099	0.9701	1.0143	0.9191	0.9355	1.1576
1966	1.0390	1.1499	0.8814	1.1115	1.0709	0.8326	0.9329	0.9347
1967	1.1643	1.1334	1.2143	0.9823	1.0500	0.7841	0.9274	1.1853
1968	1.1346	1.1611	1.0954	0.9753	1.0476	0.7690	0.9271	1.1634
1969	1.2122	1.2285	1.1892	0.9580	1.0449	0.7388	0.9097	1.2654
1970	1.2239	1.2560	1.1765	0.9749	1.0797	0.7444	0.9119	1.2554
1971	1.2175	1.2745	1.1335	0.9672	1.0472	0.7475	0.9261	1.2588
1972	1.1725	1.2316	1.0853	0.9225	0.9524	0.7457	0.9039	1.2710
1973	1.2215	1.2376	1.1968	0.9556	1.0123	0.7561	0.9191	1.2783
1974	1.2667	1.2440	1.2905	0.9870	1.1126	0.6946	0.9422	1.2833
1975	1.3043	1.2479	1.3681	0.9595	1.0464	0.7002	0.9667	1.3594
1976	1.3310	1.3081	1.3515	0.9645	1.0577	0.7017	0.9677	1.3800
1977	1.2678	1.3045	1.2118	0.9453	1.0286	0.6962	0.9534	1.3411
1978	1.4345	1.4118	1.4601	1.0400	1.2424	0.6752	0.9602	1.3794
1979	1.4838	1.4769	1.4860	1.0887	1.3164	0.7037	0.9834	1.3629
1980	1.4198	1.5275	1.2526	1.1578	1.4203	0.7489	1.0203	1.2263
1981	1.5967	1.6064	1.5747	1.1900	1.4585	0.8164	1.0225	1.3418
1982	1.5920	1.5969	1.5770	1.0997	1.3376	0.6046	1.0261	1.4476
1983	1.5287	1.6569	1.3342	1.1431	1.4450	0.7304	0.9770	1.3374
1984	1.6853	1.6654	1.7055	1.1344	1.4460	0.6873	0.9807	1.4856
1985	1.7378	1.7195	1.7552	1.0445	1.3489	0.5390	0.9538	1.6638
1986	1.5822	1.6905	1.3923	1.0066	1.3007	0.5236	0.9147	1.5719
1987	1.5968	1.7204	1.3814	0.9968	1.3051	0.5300	0.8831	1.6019
1988	1.5335	1.6374	1.3491	0.9673	1.2689	0.5121	0.8560	1.5854
1989	1.5918	1.6494	1.4764	1.0109	1.3362	0.5890	0.8376	1.5745
1990	1.6964	1.6679	1.7181	1.0288	1.3762	0.6010	0.8316	1.6489
1991	1.6800	1.7079	1.6156	1.0289	1.3984	0.5783	0.8300	1.6328
1992	1.7853	1.7762	1.7730	1.0159	1.3534	0.6198	0.8043	1.7574
1993	1.6906	1.8297	1.4724	0.9966	1.3555	0.5653	0.7979	1.6963
Average annual rates of growth								
1960-93	0.0159	0.0183	0.0117	-0.0001	0.0092	-0.0173	-0.0068	0.0160
1960-66	0.0064	0.0233	-0.0210	0.0176	0.0114	-0.0305	-0.0116	-0.0113
1966-69	0.0514	0.0220	0.0998	-0.0496	-0.0082	-0.0398	-0.0084	0.1010
1969-73	0.0019	0.0019	0.0016	-0.0006	-0.0079	0.0058	0.0026	0.0025
1973-79	0.0324	0.0295	0.0361	0.0217	0.0438	-0.0120	0.0113	0.0107
1979-89	0.0070	0.0110	-0.0006	-0.0074	0.0015	-0.0178	-0.0160	0.0144
1989-93	0.0151	0.0259	-0.0007	-0.0036	0.0036	-0.0103	-0.0122	0.0186

Massachusetts -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9862	0.9862	0.9862	0.9170	0.9081	0.9075	0.9793	1.0755
1962	0.9735	0.9632	0.9883	0.8782	0.8843	0.8572	0.9419	1.1085
1963	0.9625	0.9567	0.9713	0.8258	0.8573	0.7778	0.9287	1.1655
1964	0.9609	0.9399	0.9893	0.7831	0.8166	0.7299	0.9053	1.2271
1965	0.9315	0.9096	0.9610	0.7540	0.7394	0.7320	0.8818	1.2355
1966	0.9244	0.8767	0.9865	0.7064	0.7323	0.6488	0.8817	1.3086
1967	0.8695	0.8625	0.8789	0.6453	0.7468	0.5295	0.8872	1.3474
1968	0.8351	0.8268	0.8460	0.6194	0.6967	0.5166	0.8626	1.3481
1969	0.7990	0.7700	0.8365	0.5762	0.6719	0.4556	0.8586	1.3868
1970	0.8196	0.7466	0.9152	0.5488	0.6364	0.4275	0.8503	1.4933
1971	0.8177	0.7341	0.9274	0.5370	0.5979	0.4359	0.8123	1.5229
1972	0.7558	0.6895	0.8436	0.5252	0.5750	0.4279	0.8059	1.4392
1973	0.7522	0.6454	0.8913	0.5297	0.5328	0.4592	0.7989	1.4200
1974	0.7375	0.6406	0.8636	0.4812	0.5726	0.3514	0.8009	1.5326
1975	0.7755	0.6578	0.9283	0.4906	0.5686	0.3701	0.8023	1.5808
1976	0.7664	0.6359	0.9358	0.5203	0.6036	0.4027	0.8061	1.4730
1977	0.7685	0.6362	0.9402	0.5159	0.5874	0.4026	0.8135	1.4896
1978	0.7471	0.6082	0.9269	0.5142	0.6069	0.3849	0.8177	1.4530
1979	0.6928	0.6007	0.8120	0.5092	0.6382	0.3494	0.8283	1.3607
1980	0.6927	0.5998	0.8130	0.5158	0.5889	0.3970	0.8440	1.3429
1981	0.7401	0.5942	0.9230	0.5025	0.5694	0.3773	0.8462	1.4727
1982	0.7173	0.6019	0.8668	0.4592	0.5791	0.2837	0.8389	1.5619
1983	0.7146	0.5733	0.8905	0.3937	0.5779	0.1793	0.8276	1.8152
1984	0.7322	0.5448	0.9558	0.4404	0.5661	0.2976	0.8151	1.6626
1985	0.7556	0.5543	0.9942	0.4072	0.5457	0.2347	0.8042	1.8558
1986	0.7573	0.5491	1.0026	0.3951	0.5562	0.2129	0.7831	1.9167
1987	0.7478	0.4963	1.0333	0.3739	0.5315	0.1891	0.7627	1.9998
1988	0.7355	0.4520	1.0498	0.3529	0.4957	0.1685	0.7506	2.0844
1989	0.7358	0.4453	1.0566	0.3485	0.5135	0.1570	0.7437	2.1114
1990	0.7336	0.4764	1.0227	0.3510	0.5190	0.1603	0.7384	2.0898
1991	0.8302	0.4855	1.2071	0.3637	0.5357	0.1751	0.7346	2.2829
1992	0.7848	0.5017	1.1042	0.3699	0.5004	0.2023	0.7284	2.1214
1993	0.8199	0.4883	1.1839	0.3589	0.5092	0.2006	0.6643	2.2846
Average annual rates of growth								
1960-93	-0.0060	-0.0217	0.0051	-0.0311	-0.0205	-0.0487	-0.0124	0.0250
1960-66	-0.0131	-0.0219	-0.0023	-0.0579	-0.0519	-0.0721	-0.0210	0.0448
1966-69	-0.0486	-0.0433	-0.0550	-0.0679	-0.0287	-0.1179	-0.0088	0.0193
1969-73	-0.0151	-0.0441	0.0159	-0.0210	-0.0580	0.0020	-0.0180	0.0059
1973-79	-0.0137	-0.0120	-0.0155	-0.0066	0.0301	-0.0455	0.0060	-0.0071
1979-89	0.0060	-0.0299	0.0263	-0.0379	-0.0218	-0.0800	-0.0108	0.0439
1989-93	0.0271	0.0230	0.0284	0.0074	-0.0021	0.0613	-0.0282	0.0197

Michigan -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0541	1.0201	1.0855	0.9688	0.9795	0.9576	0.9724	1.0880
1962	1.0709	1.0806	1.0626	0.9344	0.9554	0.9074	0.9557	1.1461
1963	1.0755	1.0793	1.0722	0.9291	0.9606	0.8921	0.9552	1.1576
1964	1.1403	1.1229	1.1544	0.9092	0.9869	0.8325	0.9537	1.2543
1965	1.0549	1.0681	1.0435	0.8668	0.9264	0.7885	0.9534	1.2170
1966	1.0400	1.0163	1.0603	0.8604	0.9536	0.7609	0.9518	1.2087
1967	1.0175	0.9759	1.0539	0.8182	0.9285	0.6901	0.9693	1.2436
1968	1.0297	0.9554	1.0967	0.7733	0.8826	0.6314	0.9692	1.3316
1969	1.0260	0.9527	1.0920	0.7555	0.9001	0.5996	0.9510	1.3581
1970	1.0604	0.9702	1.1438	0.7688	0.9364	0.6100	0.9454	1.3793
1971	1.0455	1.0029	1.0807	0.7344	0.9062	0.5552	0.9675	1.4236
1972	1.0893	1.0030	1.1687	0.7021	0.8668	0.5224	0.9488	1.5514
1973	1.0962	0.9725	1.2115	0.7242	0.9179	0.5304	0.9710	1.5138
1974	1.0341	0.9229	1.1380	0.7014	0.9459	0.4596	0.9881	1.4744
1975	1.1654	0.9257	1.3736	0.6536	0.8698	0.4072	1.0020	1.7832
1976	1.1110	0.9758	1.2249	0.7119	0.9971	0.4374	1.0128	1.5607
1977	1.2429	0.9885	1.4664	0.6671	0.8978	0.4037	1.0191	1.8630
1978	1.2518	0.9831	1.4890	0.7099	1.0750	0.3832	1.0197	1.7635
1979	1.3378	0.9600	1.6859	0.7418	1.1287	0.4102	1.0386	1.8034
1980	1.3931	1.0106	1.7438	0.7632	1.1843	0.4067	1.0659	1.8254
1981	1.4567	1.0232	1.8583	0.7624	1.1774	0.4127	1.0635	1.9107
1982	1.5341	1.0729	1.9617	0.7615	1.1783	0.4164	1.0561	2.0146
1983	1.4201	1.1506	1.6511	0.7599	1.2317	0.4335	0.9885	1.8688
1984	1.5537	1.1499	1.9131	0.7755	1.2516	0.4425	1.0129	2.0036
1985	1.6874	1.1561	2.1710	0.7330	1.1586	0.4020	0.9958	2.3020
1986	1.5722	1.1534	1.9438	0.6997	1.2060	0.3294	0.9480	2.2471
1987	1.4967	1.1462	1.7990	0.6799	1.1748	0.3365	0.8935	2.2013
1988	1.3455	1.1369	1.5168	0.6479	1.0494	0.3607	0.8649	2.0768
1989	1.5667	1.1320	1.9368	0.6589	1.1109	0.3527	0.8547	2.3779
1990	1.6649	1.1264	2.1388	0.6805	1.1993	0.3540	0.8477	2.4468
1991	1.6834	1.1557	2.1440	0.7079	1.2352	0.3878	0.8444	2.3781
1992	1.7199	1.2107	2.1595	0.6689	1.2385	0.3224	0.8336	2.5714
1993	1.7542	1.2171	2.2205	0.6617	1.2680	0.3078	0.8119	2.6510
Average annual rates of growth								
1960-93	0.0170	0.0060	0.0242	-0.0125	0.0072	-0.0357	-0.0063	0.0295
1960-66	0.0065	0.0027	0.0098	-0.0251	-0.0079	-0.0455	-0.0082	0.0316
1966-69	-0.0045	-0.0215	0.0098	-0.0433	-0.0193	-0.0794	-0.0003	0.0388
1969-73	0.0166	0.0051	0.0260	-0.0106	0.0049	-0.0307	0.0052	0.0271
1973-79	0.0332	-0.0021	0.0551	0.0040	0.0345	-0.0428	0.0112	0.0292
1979-89	0.0158	0.0165	0.0139	-0.0119	-0.0016	-0.0151	-0.0195	0.0277
1989-93	0.0283	0.0181	0.0342	0.0011	0.0331	-0.0341	-0.0128	0.0272

Minnesota -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0318	1.0349	1.0275	0.9879	1.0067	0.9606	0.9800	1.0444
1962	0.9702	1.0235	0.8983	0.9919	1.0247	0.9454	0.9790	0.9782
1963	1.0571	1.0264	1.0912	0.9702	0.9910	0.9290	0.9789	1.0896
1964	0.9949	1.0605	0.9166	0.9792	1.0255	0.9046	0.9885	1.0161
1965	0.9860	1.0043	0.9612	0.9287	0.9292	0.8875	0.9876	1.0618
1966	1.0446	0.9976	1.1002	0.9513	1.0031	0.8587	0.9909	1.0981
1967	1.0693	1.0094	1.1417	0.9557	1.0261	0.8229	1.0334	1.1188
1968	1.1031	1.0079	1.2236	0.9337	1.0244	0.7669	1.0394	1.1814
1969	1.0682	0.9677	1.1971	0.9302	1.0263	0.7571	1.0393	1.1484
1970	1.0912	0.9961	1.2122	0.9063	1.0139	0.7085	1.0449	1.2041
1971	1.1928	1.0349	1.4015	0.9223	1.0405	0.7110	1.0682	1.2932
1972	1.1711	0.9953	1.4081	0.9300	1.0850	0.6978	1.0553	1.2593
1973	1.3084	1.0181	1.7151	0.9631	1.0946	0.7491	1.0929	1.3585
1974	1.0973	0.9827	1.3025	0.9795	1.0998	0.7601	1.1419	1.1203
1975	1.1406	0.9235	1.4467	0.9655	1.0565	0.7783	1.1606	1.1814
1976	1.0769	0.9559	1.2709	1.0077	1.1063	0.8267	1.1816	1.0687
1977	1.4238	0.9803	2.0289	0.9925	1.0720	0.8155	1.1937	1.4345
1978	1.4212	0.9603	2.0523	1.0666	1.2595	0.7976	1.2128	1.3324
1979	1.4484	1.0074	2.0447	1.0652	1.2887	0.7378	1.2326	1.3598
1980	1.4933	1.1118	1.9937	1.1207	1.3206	0.8441	1.2785	1.3324
1981	1.6001	1.0982	2.2730	1.0992	1.2896	0.7982	1.2827	1.4558
1982	1.6020	1.0830	2.3010	1.0999	1.3106	0.8026	1.2630	1.4565
1983	1.3492	1.1188	1.6389	1.0368	1.3231	0.7067	1.1478	1.3013
1984	1.5743	1.0568	2.2522	1.0548	1.2550	0.7814	1.2096	1.4924
1985	1.6246	1.0950	2.3176	1.0465	1.2436	0.7810	1.1968	1.5525
1986	1.5818	1.0883	2.2220	0.9893	1.2219	0.6949	1.1185	1.5990
1987	1.5414	1.1018	2.0972	0.9587	1.1634	0.7378	1.0422	1.6079
1988	1.2460	1.1090	1.3699	0.9147	1.1424	0.6501	1.0166	1.3623
1989	1.5546	1.0887	2.1194	0.9132	1.1191	0.6605	1.0302	1.7024
1990	1.6019	1.0705	2.2651	0.9487	1.2744	0.6297	1.0151	1.6885
1991	1.5605	1.0469	2.1995	0.9314	1.2738	0.5905	1.0200	1.6753
1992	1.6730	1.1557	2.3029	0.9332	1.3246	0.5673	0.9957	1.7927
1993	1.2786	1.1273	1.3864	0.9197	1.3106	0.5650	0.9614	1.3902
Average annual rates of growth								
1960-93	0.0074	0.0036	0.0099	-0.0025	0.0082	-0.0173	-0.0012	0.0100
1960-66	0.0073	-0.0004	0.0159	-0.0083	0.0005	-0.0254	-0.0015	0.0156
1966-69	0.0074	-0.0101	0.0281	-0.0075	0.0076	-0.0420	0.0159	0.0149
1969-73	0.0507	0.0127	0.0899	0.0087	0.0161	-0.0026	0.0126	0.0420
1973-79	0.0169	-0.0018	0.0293	0.0168	0.0272	-0.0026	0.0200	0.0002
1979-89	0.0071	0.0078	0.0036	-0.0154	-0.0141	-0.0111	-0.0179	0.0225
1989-93	-0.0489	0.0087	-0.1061	0.0018	0.0395	-0.0390	-0.0173	-0.0507

Mississippi -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0787	1.0913	1.0705	0.9765	1.0128	0.9186	0.9887	1.1047
1962	1.1019	1.1374	1.0790	0.9967	1.0716	0.9037	0.9830	1.1056
1963	1.2656	1.2151	1.2976	0.9973	1.1315	0.8350	0.9884	1.2691
1964	1.3205	1.2519	1.3636	1.0038	1.1737	0.8015	1.0022	1.3154
1965	1.2803	1.3343	1.2485	0.9798	1.1567	0.7562	1.0190	1.3067
1966	1.2544	1.4053	1.1524	0.9481	1.1563	0.6863	1.0145	1.3231
1967	1.2449	1.4883	1.0753	0.9315	1.2391	0.5820	1.0337	1.3364
1968	1.3582	1.5000	1.2657	0.9309	1.2163	0.5870	1.0514	1.4590
1969	1.3389	1.5468	1.1892	0.9010	1.2378	0.5214	1.0705	1.4860
1970	1.3961	1.6036	1.2485	0.9224	1.2823	0.5436	1.0563	1.5135
1971	1.4594	1.6219	1.3520	0.9012	1.2847	0.4993	1.0662	1.6194
1972	1.4209	1.6256	1.2786	0.8714	1.2589	0.4592	1.0638	1.6306
1973	1.4640	1.5505	1.4208	0.8790	1.3136	0.4390	1.0731	1.6656
1974	1.3267	1.5561	1.1851	0.8269	1.2634	0.3629	1.0983	1.6045
1975	1.3514	1.4972	1.2594	0.7127	1.0878	0.2662	1.1130	1.8961
1976	1.4337	1.5438	1.3639	0.7957	1.2197	0.3299	1.1221	1.8018
1977	1.4921	1.5528	1.4521	0.7634	1.1544	0.3074	1.1244	1.9546
1978	1.4567	1.4569	1.4564	0.8092	1.3212	0.2894	1.1290	1.8002
1979	1.5552	1.3784	1.6838	0.7976	1.3676	0.2365	1.1292	1.9498
1980	1.3364	1.4482	1.2583	0.8195	1.3337	0.3014	1.1506	1.6309
1981	1.6069	1.4863	1.6918	0.7955	1.2984	0.2739	1.1326	2.0200
1982	1.7357	1.5319	1.8824	0.7663	1.2301	0.2492	1.1219	2.2652
1983	1.4390	1.5467	1.3670	0.7457	1.2392	0.2352	1.0682	1.9296
1984	1.6116	1.5447	1.6609	0.7599	1.4198	0.1769	1.0481	2.1209
1985	1.7014	1.6299	1.7540	0.7161	1.2118	0.2153	1.0147	2.3759
1986	1.3877	1.6064	1.2155	0.6816	1.2270	0.1657	0.9618	2.0361
1987	1.5885	1.6285	1.5559	0.7000	1.3407	0.1825	0.8989	2.2692
1988	1.6348	1.6771	1.6003	0.7178	1.4019	0.2014	0.8723	2.2774
1989	1.5459	1.6900	1.4253	0.7357	1.4971	0.1948	0.8524	2.1013
1990	1.6514	1.7630	1.5598	0.7530	1.6005	0.1847	0.8333	2.1931
1991	1.7582	1.8516	1.6823	0.7854	1.7171	0.1939	0.8092	2.2387
1992	2.0665	2.0002	2.1310	0.7469	1.6216	0.1811	0.7913	2.7666
1993	1.8428	2.1553	1.5723	0.7858	1.7743	0.1820	0.7777	2.3451
Average annual rates of growth								
1960-93	0.0185	0.0233	0.0137	-0.0073	0.0174	-0.0516	-0.0076	0.0258
1960-66	0.0378	0.0567	0.0236	-0.0089	0.0242	-0.0627	0.0024	0.0467
1966-69	0.0217	0.0320	0.0105	-0.0170	0.0227	-0.0916	0.0179	0.0387
1969-73	0.0223	0.0006	0.0445	-0.0062	0.0149	-0.0430	0.0006	0.0285
1973-79	0.0101	-0.0196	0.0283	-0.0162	0.0067	-0.1031	0.0085	0.0263
1979-89	-0.0006	0.0204	-0.0167	-0.0081	0.0090	-0.0194	-0.0281	0.0075
1989-93	0.0439	0.0608	0.0245	0.0165	0.0425	-0.0170	-0.0229	0.0275

Missouri -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0218	1.0522	0.9849	0.9763	0.9918	0.9584	0.9721	1.0466
1962	0.9887	1.0507	0.9148	0.9560	0.9668	0.9354	0.9704	1.0342
1963	1.0577	1.0773	1.0297	0.9537	0.9865	0.9000	0.9829	1.1091
1964	1.0276	1.0962	0.9500	0.9660	1.0268	0.8775	1.0017	1.0638
1965	1.0731	1.0529	1.0912	0.9461	0.9976	0.8533	1.0164	1.1343
1966	1.0566	1.0944	1.0069	0.9884	1.1383	0.7967	1.0418	1.0690
1967	1.1053	1.1554	1.0408	0.9657	1.1115	0.7412	1.0851	1.1445
1968	1.1865	1.1485	1.2306	0.9562	1.1158	0.7008	1.1015	1.2408
1969	1.0844	1.1253	1.0283	0.9845	1.1893	0.6958	1.1131	1.1015
1970	1.1095	1.1878	1.0052	0.9768	1.1484	0.7148	1.1122	1.1358
1971	1.2588	1.2245	1.3027	0.9660	1.1030	0.7006	1.1474	1.3031
1972	1.2353	1.2204	1.2530	0.9871	1.1793	0.6816	1.1491	1.2515
1973	1.2510	1.2153	1.2960	0.9882	1.1389	0.6966	1.1957	1.2659
1974	1.0788	1.1655	1.0021	1.0043	1.1980	0.6429	1.2408	1.0742
1975	1.1331	1.0863	1.1746	0.9531	1.0382	0.6931	1.2541	1.1888
1976	1.0977	1.1129	1.0750	0.9633	1.1029	0.6355	1.2606	1.1395
1977	1.2994	1.1241	1.4830	0.9407	1.0793	0.5880	1.2707	1.3813
1978	1.2578	1.1055	1.4148	0.9547	1.1442	0.5517	1.2781	1.3174
1979	1.3889	1.1217	1.6947	0.9979	1.2095	0.5860	1.3034	1.3918
1980	1.1816	1.0952	1.2597	0.9859	1.2100	0.5303	1.3248	1.1985
1981	1.3935	1.0908	1.7286	0.9284	1.0931	0.4815	1.3117	1.5011
1982	1.3085	1.0070	1.6457	0.9642	1.0967	0.6339	1.3059	1.3570
1983	1.0800	1.0853	1.0358	0.9228	1.1189	0.5520	1.2351	1.1704
1984	1.1816	0.9912	1.3582	0.8980	0.9995	0.5817	1.2374	1.3159
1985	1.3879	0.9808	1.8183	0.8718	0.9751	0.5476	1.2123	1.5920
1986	1.3002	0.9551	1.6552	0.8589	1.0496	0.4613	1.1744	1.5138
1987	1.2832	0.9680	1.5967	0.8709	1.0690	0.5429	1.1137	1.4735
1988	1.1565	0.9700	1.3050	0.8522	1.0359	0.5549	1.0788	1.3571
1989	1.2566	0.9465	1.5565	0.8090	0.9976	0.4774	1.0657	1.5533
1990	1.2351	0.9325	1.5269	0.8403	1.1028	0.4656	1.0596	1.4698
1991	1.2867	0.9743	1.5863	0.8627	1.1398	0.4938	1.0510	1.4914
1992	1.4863	1.0103	2.0074	0.8519	1.1476	0.4683	1.0374	1.7448
1993	1.2864	1.0476	1.4748	0.8509	1.1805	0.4530	1.0201	1.5117
Average annual rates of growth								
1960-93	0.0076	0.0014	0.0118	-0.0049	0.0050	-0.0240	0.0006	0.0125
1960-66	0.0092	0.0150	0.0011	-0.0019	0.0216	-0.0379	0.0068	0.0111
1966-69	0.0087	0.0093	0.0070	-0.0013	0.0146	-0.0451	0.0221	0.0100
1969-73	0.0357	0.0192	0.0578	0.0010	-0.0108	0.0003	0.0179	0.0348
1973-79	0.0174	-0.0134	0.0447	0.0016	0.0100	-0.0288	0.0144	0.0158
1979-89	-0.0100	-0.0170	-0.0085	-0.0210	-0.0193	-0.0205	-0.0201	0.0110
1989-93	0.0059	0.0254	-0.0135	0.0126	0.0421	-0.0131	-0.0109	-0.0068

Montana -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9839	0.9664	0.7634	0.9502	0.9465	0.9180	0.9893	1.0355
1962	0.9958	0.9833	1.1072	0.9387	0.9291	0.9263	0.9645	1.0608
1963	1.1035	1.0765	1.1861	0.9851	1.0633	0.8928	0.9792	1.1202
1964	1.1563	1.1416	1.1901	0.9871	1.0876	0.8616	0.9913	1.1714
1965	1.1528	1.1695	1.2947	0.9660	1.0188	0.8711	0.9988	1.1934
1966	1.2121	1.2129	1.2728	1.0188	1.1269	0.8935	1.0147	1.1897
1967	1.1803	1.1817	1.3596	1.0277	1.1572	0.8660	1.0366	1.1484
1968	1.2588	1.2709	1.3998	1.0047	1.1300	0.8003	1.0561	1.2530
1969	1.2481	1.2493	1.3314	1.0277	1.1901	0.8185	1.0526	1.2145
1970	1.2705	1.2875	1.2474	1.0153	1.2116	0.7714	1.0417	1.2513
1971	1.3191	1.3311	1.3733	1.0281	1.2183	0.8130	1.0384	1.2831
1972	1.2937	1.3145	1.3507	1.0196	1.2266	0.8072	1.0152	1.2688
1973	1.2659	1.2710	1.3102	1.0424	1.2822	0.8126	1.0240	1.2145
1974	1.2047	1.2254	1.3870	1.0799	1.2967	0.8747	1.0660	1.1156
1975	1.1129	1.1171	1.6918	0.9926	1.2052	0.6946	1.0820	1.1212
1976	1.1719	1.1550	1.7521	1.0622	1.3186	0.7602	1.1087	1.1033
1977	1.0879	1.0683	1.5092	1.0696	1.3110	0.7719	1.1257	1.0171
1978	1.2086	1.1819	1.7091	1.1463	1.5826	0.7700	1.1173	1.0543
1979	1.1335	1.1153	1.4158	1.1505	1.5653	0.7877	1.1261	0.9852
1980	1.2098	1.1961	1.4313	1.1154	1.3495	0.8528	1.1500	1.0846
1981	1.3133	1.3038	1.8885	1.0891	1.3497	0.7684	1.1465	1.2059
1982	1.2394	1.2231	2.0525	1.1603	1.3622	1.0586	1.1315	1.0681
1983	1.4075	1.4052	1.6838	1.1144	1.3870	0.7802	1.0986	1.2631
1984	1.2904	1.3077	1.3440	1.0945	1.3074	0.7970	1.0945	1.1791
1985	1.1817	1.1679	0.7942	1.0109	1.1640	0.6422	1.0705	1.1690
1986	1.1737	1.1400	1.7443	0.9391	1.0706	0.5552	1.0290	1.2498
1987	1.1667	1.1151	1.8760	0.9711	1.2544	0.5177	1.0063	1.2015
1988	1.2087	1.1656	0.8902	0.9833	1.3051	0.5373	0.9872	1.2292
1989	1.2152	1.1779	1.7070	0.9583	1.2216	0.5710	0.9630	1.2681
1990	1.2681	1.2186	1.6842	0.9272	1.1968	0.5108	0.9636	1.3676
1991	1.3196	1.2711	1.9620	0.9516	1.2041	0.5819	0.9525	1.3867
1992	1.2815	1.2295	1.6755	0.9326	1.1692	0.5516	0.9597	1.3742
1993	1.3080	1.2710	2.0913	0.9091	1.1955	0.4739	0.9439	1.4389
Average annual rates of growth								
1960-93	0.0081	0.0073	0.0224	-0.0029	0.0054	-0.0226	-0.0018	0.0110
1960-66	0.0321	0.0322	0.0402	0.0031	0.0199	-0.0188	0.0024	0.0289
1966-69	0.0098	0.0099	0.0150	0.0029	0.0182	-0.0292	0.0122	0.0069
1969-73	0.0036	0.0043	-0.0040	0.0036	0.0186	-0.0018	-0.0069	-0.0000
1973-79	-0.0184	-0.0218	0.0129	0.0164	0.0333	-0.0052	0.0158	-0.0349
1979-89	0.0070	0.0055	0.0187	-0.0183	-0.0248	-0.0322	-0.0157	0.0252
1989-93	0.0184	0.0190	0.0508	-0.0132	-0.0054	-0.0466	-0.0050	0.0316

Nebraska -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9729	1.0797	0.8575	1.0175	1.0805	0.9443	0.9770	0.9562
1962	1.0280	1.1380	0.9091	1.0388	1.1451	0.9205	0.9696	0.9896
1963	1.0510	1.2003	0.8943	1.0547	1.2289	0.8470	0.9853	0.9965
1964	1.0332	1.2705	0.8022	1.0248	1.2027	0.8021	0.9790	1.0081
1965	1.0533	1.2369	0.8673	1.0384	1.2414	0.7925	0.9819	1.0143
1966	1.2288	1.3399	1.1066	1.0757	1.3666	0.7475	0.9933	1.1423
1967	1.2348	1.4172	1.0481	1.1077	1.4528	0.7065	1.0574	1.1148
1968	1.2419	1.4746	1.0108	1.1278	1.5353	0.6789	1.0598	1.1012
1969	1.3224	1.4107	1.2382	1.1113	1.5046	0.6631	1.0651	1.1899
1970	1.3308	1.5941	1.0533	1.1476	1.6207	0.6478	1.0812	1.1597
1971	1.4503	1.6285	1.2707	1.1599	1.6268	0.6616	1.0948	1.2504
1972	1.5210	1.6596	1.3956	1.2097	1.7325	0.6992	1.0821	1.2574
1973	1.5492	1.6261	1.5027	1.2497	1.7839	0.7162	1.1371	1.2396
1974	1.3092	1.5246	1.1405	1.2370	1.6496	0.8141	1.1835	1.0584
1975	1.4145	1.4215	1.3996	1.1802	1.5166	0.8180	1.1834	1.1985
1976	1.4629	1.5511	1.3808	1.2149	1.5650	0.8496	1.2065	1.2041
1977	1.6612	1.5731	1.7386	1.2136	1.6326	0.7418	1.2236	1.3688
1978	1.7240	1.6080	1.8332	1.3372	1.8932	0.8170	1.2178	1.2893
1979	1.9381	1.8556	1.9938	1.4186	2.1010	0.7991	1.2225	1.3663
1980	1.8199	1.8844	1.6864	1.4566	2.1255	0.8403	1.2809	1.2494
1981	1.9901	1.8223	2.1085	1.3796	1.9605	0.7826	1.2707	1.4425
1982	1.9800	1.9039	1.9964	1.3627	2.0085	0.7129	1.2384	1.4529
1983	1.7078	1.9029	1.4276	1.2869	1.9617	0.6480	1.1393	1.3270
1984	1.9573	1.8289	2.0104	1.2943	1.8228	0.7602	1.2032	1.5122
1985	2.1835	1.9458	2.3473	1.2954	1.8166	0.7915	1.1926	1.6856
1986	2.1426	1.9669	2.2357	1.2664	1.8866	0.6950	1.1187	1.6919
1987	2.1500	2.1314	2.0357	1.2551	1.9459	0.6660	1.0494	1.7131
1988	2.1497	2.1948	1.9462	1.2466	1.9491	0.6587	1.0258	1.7245
1989	2.2354	2.3110	1.9861	1.2767	2.0016	0.6674	1.0523	1.7510
1990	2.3483	2.3164	2.2367	1.3065	2.0835	0.6895	1.0190	1.7973
1991	2.3525	2.2503	2.3472	1.2445	1.9481	0.6485	1.0307	1.8903
1992	2.4876	2.2931	2.6101	1.2600	2.0726	0.5588	1.0132	1.9743
1993	2.2636	2.3178	2.0335	1.2193	2.0588	0.4667	0.9956	1.8565
Average annual rates of growth								
1960-93	0.0248	0.0255	0.0215	0.0060	0.0219	-0.0231	-0.0001	0.0187
1960-66	0.0343	0.0488	0.0169	0.0122	0.0521	-0.0485	-0.0011	0.0222
1966-69	0.0245	0.0172	0.0375	0.0109	0.0321	-0.0399	0.0233	0.0136
1969-73	0.0396	0.0355	0.0484	0.0293	0.0426	0.0193	0.0163	0.0102
1973-79	0.0373	0.0220	0.0471	0.0211	0.0273	0.0183	0.0121	0.0162
1979-89	0.0143	0.0219	-0.0004	-0.0105	-0.0048	-0.0180	-0.0150	0.0248
1989-93	0.0031	0.0007	0.0059	-0.0115	0.0070	-0.0894	-0.0138	0.0146

Nevada -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9306	0.9170	0.9613	0.9373	0.9353	0.8999	0.9897	0.9928
1962	1.0177	0.9410	1.2190	0.9585	0.9796	0.9271	0.9588	1.0618
1963	1.0774	0.9854	1.3195	0.9410	0.9299	0.9294	0.9737	1.1450
1964	1.0951	1.0275	1.2807	0.9703	0.9839	0.9393	0.9852	1.1287
1965	1.2001	1.0812	1.5044	1.0724	1.1957	0.9678	0.9929	1.1191
1966	1.1677	1.1090	1.3273	0.9995	1.1419	0.8173	0.9970	1.1683
1967	1.2278	1.1047	1.5438	1.1343	1.3127	1.0204	1.0058	1.0825
1968	1.2162	1.1771	1.3128	1.0902	1.2058	0.9942	1.0206	1.1156
1969	1.3605	1.2449	1.6791	1.0967	1.2918	0.8834	1.0437	1.2406
1970	1.3509	1.2489	1.6282	1.1184	1.3124	0.9159	1.0586	1.2079
1971	1.4672	1.3369	1.8292	1.1562	1.4450	0.8734	1.0690	1.2690
1972	1.4637	1.3827	1.6679	1.2358	1.5701	1.0056	1.0733	1.1844
1973	1.5372	1.4166	1.8582	1.2259	1.5474	0.9941	1.0773	1.2540
1974	1.5371	1.3714	1.9609	1.2957	1.6626	1.0578	1.0982	1.1863
1975	1.5931	1.4039	2.0662	1.2942	1.5603	1.1921	1.1121	1.2309
1976	1.6244	1.3066	2.3521	1.3440	1.6170	1.2734	1.1312	1.2087
1977	1.5816	1.2777	2.2786	1.2937	1.5827	1.1025	1.1446	1.2225
1978	1.6482	1.2578	2.5698	1.4475	1.8735	1.2371	1.1629	1.1386
1979	1.7407	1.3216	2.7368	1.4648	1.9555	1.1222	1.1814	1.1883
1980	1.8238	1.4321	2.7391	1.5152	2.0442	1.1657	1.2037	1.2037
1981	1.8082	1.4283	2.6958	1.4726	1.8807	1.2143	1.2136	1.2278
1982	1.8098	1.4517	2.6499	1.3431	1.5853	0.8711	1.2220	1.3474
1983	1.9761	1.5756	2.9132	1.3899	1.8216	0.7177	1.2117	1.4217
1984	1.9901	1.5274	3.0547	1.3454	1.8588	0.4635	1.2117	1.4792
1985	1.8552	1.3633	2.9756	1.2758	1.6523	0.4435	1.2018	1.4542
1986	1.8582	1.3167	3.0870	1.3383	1.7963	0.5232	1.1843	1.3885
1987	1.8479	1.3373	3.0032	1.3043	1.8353	0.4233	1.1576	1.4168
1988	1.7549	1.2194	2.9788	1.2553	1.7984	0.3483	1.1401	1.3979
1989	1.8243	1.2302	3.1873	1.2545	1.7687	0.3874	1.1213	1.4542
1990	1.8485	1.3344	3.0267	1.2947	1.8055	0.4493	1.1215	1.4277
1991	1.7861	1.4125	2.6308	1.2498	1.7190	0.4322	1.1051	1.4291
1992	1.6795	1.3045	2.5388	1.2714	1.7643	0.4667	1.0927	1.3211
1993	1.8973	1.3658	3.1642	1.2285	1.6967	0.4385	1.0722	1.5445
Average annual rates of growth								
1960-93	0.0194	0.0094	0.0349	0.0062	0.0160	-0.0250	0.0021	0.0132
1960-66	0.0258	0.0172	0.0472	-0.0001	0.0221	-0.0336	-0.0005	0.0259
1966-69	0.0509	0.0385	0.0784	0.0309	0.0411	0.0259	0.0153	0.0200
1969-73	0.0305	0.0323	0.0253	0.0278	0.0451	0.0295	0.0079	0.0027
1973-79	0.0207	-0.0116	0.0645	0.0297	0.0390	0.0202	0.0154	-0.0090
1979-89	0.0047	-0.0072	0.0152	-0.0155	-0.0100	-0.1064	-0.0052	0.0202
1989-93	0.0098	0.0261	-0.0018	-0.0052	-0.0104	0.0309	-0.0112	0.0151

New Hampshire -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0289	1.0605	0.9515	0.9119	0.9044	0.9025	0.9734	1.1283
1962	1.0523	1.0733	1.0005	0.8644	0.8769	0.8332	0.9355	1.2173
1963	1.0223	1.0537	0.9469	0.8392	0.8443	0.8131	0.9183	1.2182
1964	0.9752	1.0387	0.8351	0.7926	0.7832	0.7762	0.8898	1.2304
1965	0.9449	0.9925	0.8361	0.7675	0.7106	0.7974	0.8647	1.2311
1966	0.9670	1.0056	0.8758	0.7391	0.7145	0.7306	0.8609	1.3084
1967	0.9464	0.9731	0.8805	0.6960	0.7418	0.6132	0.8433	1.3597
1968	0.9004	0.9252	0.8393	0.6624	0.6788	0.6039	0.8167	1.3594
1969	0.8454	0.8809	0.7594	0.6280	0.6602	0.5447	0.8074	1.3461
1970	0.8330	0.8310	0.8347	0.6249	0.6919	0.5162	0.7953	1.3331
1971	0.8558	0.8495	0.8670	0.5797	0.6789	0.4238	0.7892	1.4764
1972	0.8119	0.8083	0.8176	0.5336	0.6324	0.3747	0.7479	1.5217
1973	0.8022	0.7980	0.8093	0.5263	0.5955	0.3893	0.7489	1.5243
1974	0.7849	0.7573	0.8403	0.5490	0.6382	0.3985	0.7559	1.4295
1975	0.8254	0.7823	0.9122	0.5413	0.6229	0.4094	0.7297	1.5249
1976	0.8017	0.7619	0.8818	0.5606	0.6347	0.4521	0.7371	1.4301
1977	0.8061	0.7569	0.9048	0.5759	0.6499	0.4737	0.7487	1.3997
1978	0.8088	0.7866	0.8525	0.5712	0.6483	0.4575	0.7581	1.4160
1979	0.8040	0.7727	0.8674	0.5450	0.6265	0.4075	0.7672	1.4753
1980	0.7657	0.7188	0.8664	0.5702	0.6193	0.4810	0.7787	1.3429
1981	0.8121	0.7528	0.9407	0.5620	0.5787	0.5064	0.7761	1.4451
1982	0.8142	0.7482	0.9571	0.5530	0.5979	0.4480	0.7759	1.4724
1983	0.8430	0.7655	1.0099	0.5453	0.6252	0.3899	0.7607	1.5459
1984	0.8175	0.7218	1.0211	0.4816	0.5801	0.2421	0.7483	1.6975
1985	0.8151	0.7251	1.0079	0.4717	0.5598	0.2398	0.7366	1.7280
1986	0.8023	0.7278	0.9680	0.4695	0.5623	0.2407	0.7233	1.7089
1987	0.8094	0.6629	1.0939	0.4322	0.5238	0.1992	0.7070	1.8727
1988	0.7906	0.6034	1.1396	0.3875	0.4744	0.1488	0.6976	2.0399
1989	0.7428	0.5719	1.0626	0.4089	0.5000	0.1738	0.6938	1.8163
1990	0.7746	0.5822	1.1322	0.4351	0.4975	0.2195	0.6892	1.7801
1991	0.7966	0.6020	1.1589	0.3990	0.4919	0.1635	0.6872	1.9968
1992	0.8974	0.6334	1.3793	0.4059	0.4804	0.1847	0.6833	2.2107
1993	0.8950	0.6677	1.3203	0.3619	0.4713	0.1400	0.6129	2.4734
Average annual rates of growth								
1960-93	-0.0034	-0.0122	0.0084	-0.0308	-0.0228	-0.0596	-0.0148	0.0274
1960-66	-0.0056	0.0009	-0.0221	-0.0504	-0.0560	-0.0523	-0.0250	0.0448
1966-69	-0.0448	-0.0441	-0.0475	-0.0543	-0.0263	-0.0978	-0.0214	0.0095
1969-73	-0.0131	-0.0247	0.0159	-0.0442	-0.0258	-0.0840	-0.0188	0.0311
1973-79	0.0004	-0.0054	0.0116	0.0058	0.0085	0.0076	0.0040	-0.0055
1979-89	-0.0079	-0.0301	0.0203	-0.0287	-0.0225	-0.0852	-0.0101	0.0208
1989-93	0.0466	0.0387	0.0543	-0.0306	-0.0148	-0.0540	-0.0310	0.0772

New Jersey -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9537	0.9614	0.9452	0.9174	0.8975	0.9232	0.9691	1.0396
1962	0.9425	0.9224	0.9630	0.8976	0.8772	0.9049	0.9468	1.0499
1963	0.8911	0.8831	0.8997	0.8389	0.8054	0.8439	0.9388	1.0622
1964	0.8728	0.8309	0.9127	0.8052	0.7766	0.8007	0.9164	1.0840
1965	0.8696	0.7828	0.9503	0.7544	0.7050	0.7645	0.8888	1.1527
1966	0.7791	0.6935	0.8585	0.6794	0.6806	0.6074	0.8900	1.1467
1967	0.7870	0.6598	0.9042	0.6457	0.6760	0.5347	0.8761	1.2189
1968	0.7382	0.5978	0.8672	0.6116	0.6400	0.4842	0.8838	1.2069
1969	0.7043	0.5702	0.8277	0.5678	0.5960	0.4257	0.8740	1.2404
1970	0.6994	0.5378	0.8501	0.5495	0.5728	0.4039	0.8707	1.2729
1971	0.6872	0.5330	0.8309	0.5469	0.5414	0.4135	0.8879	1.2564
1972	0.5980	0.4960	0.6960	0.5261	0.4995	0.4232	0.8364	1.1367
1973	0.6160	0.4513	0.7684	0.5133	0.4746	0.4062	0.8509	1.2000
1974	0.6573	0.4425	0.8552	0.5537	0.4849	0.5016	0.8651	1.1873
1975	0.6189	0.4019	0.8180	0.5491	0.4741	0.4986	0.8721	1.1272
1976	0.6431	0.3853	0.8796	0.5850	0.5071	0.5608	0.8745	1.0993
1977	0.6260	0.4246	0.8113	0.5764	0.4879	0.5540	0.8818	1.0862
1978	0.6516	0.3945	0.8857	0.5866	0.5130	0.5530	0.8838	1.1109
1979	0.6320	0.3515	0.8887	0.5939	0.5155	0.5620	0.8986	1.0641
1980	0.6205	0.3583	0.8595	0.5915	0.4867	0.5828	0.9130	1.0491
1981	0.6576	0.3537	0.9357	0.5803	0.4387	0.6249	0.9101	1.1332
1982	0.6809	0.3557	0.9789	0.5676	0.4528	0.5350	0.9040	1.1996
1983	0.6329	0.3725	0.8711	0.5590	0.4514	0.5653	0.8647	1.1323
1984	0.6577	0.3606	0.9290	0.5268	0.4487	0.4129	0.8645	1.2486
1985	0.7521	0.4169	1.0584	0.5523	0.4453	0.5604	0.8476	1.3617
1986	0.7261	0.4225	1.0049	0.5131	0.4532	0.4728	0.7753	1.4151
1987	0.7391	0.5079	0.9568	0.5170	0.4501	0.5546	0.7428	1.4298
1988	0.7183	0.5048	0.9199	0.5031	0.4555	0.4909	0.7307	1.4277
1989	0.6952	0.4579	0.9183	0.4664	0.4589	0.3411	0.7264	1.4905
1990	0.7045	0.4403	0.9538	0.4573	0.4650	0.3136	0.7210	1.5405
1991	0.7688	0.4533	1.0681	0.4466	0.4914	0.2674	0.7199	1.7217
1992	0.7881	0.4853	1.0758	0.4678	0.4934	0.3244	0.7136	1.6849
1993	0.7755	0.4481	1.0846	0.4464	0.4745	0.2913	0.7045	1.7374
Average annual rates of growth								
1960-93	-0.0077	-0.0243	0.0025	-0.0244	-0.0226	-0.0374	-0.0106	0.0167
1960-66	-0.0416	-0.0610	-0.0254	-0.0644	-0.0641	-0.0831	-0.0194	0.0228
1966-69	-0.0336	-0.0653	-0.0122	-0.0598	-0.0442	-0.1185	-0.0060	0.0262
1969-73	-0.0335	-0.0584	-0.0186	-0.0252	-0.0569	-0.0117	-0.0067	-0.0083
1973-79	0.0043	-0.0417	0.0242	0.0243	0.0138	0.0541	0.0091	-0.0200
1979-89	0.0095	0.0264	0.0033	-0.0242	-0.0116	-0.0499	-0.0213	0.0337
1989-93	0.0273	-0.0054	0.0416	-0.0110	0.0084	-0.0394	-0.0077	0.0383

New Mexico -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0456	1.0839	0.9926	1.0183	1.1042	0.9048	0.9893	1.0268
1962	1.1090	1.1373	1.0699	1.0286	1.1556	0.8668	0.9847	1.0781
1963	1.1354	1.2051	1.0410	1.0487	1.2498	0.8079	0.9760	1.0827
1964	1.0089	1.0371	0.9642	0.9628	1.0775	0.7590	0.9768	1.0478
1965	1.1066	1.2295	0.9484	1.0107	1.2473	0.7032	0.9772	1.0949
1966	1.2388	1.3596	1.0844	1.0488	1.3990	0.6454	0.9805	1.1811
1967	1.3045	1.5193	1.0181	1.1403	1.6680	0.6162	0.9979	1.1439
1968	1.3354	1.4963	1.1285	1.1201	1.5667	0.6525	1.0016	1.1922
1969	1.3930	1.6321	1.0607	1.1678	1.7880	0.5936	0.9920	1.1929
1970	1.4827	1.8210	0.9868	1.1773	1.8367	0.5657	1.0021	1.2594
1971	1.4283	1.7264	0.9997	1.1619	1.8046	0.5567	0.9963	1.2292
1972	1.6076	1.9993	1.0172	1.2340	2.0660	0.5104	0.9977	1.3027
1973	1.7353	2.1451	1.1237	1.2931	2.1621	0.5769	1.0116	1.3420
1974	1.3440	1.6818	0.8409	1.0925	1.6310	0.5371	1.0218	1.2302
1975	1.5405	1.8198	1.0863	1.2025	1.8763	0.5810	1.0286	1.2811
1976	1.5173	1.8334	1.0219	1.2075	1.8340	0.6337	1.0386	1.2566
1977	1.7682	2.0586	1.2887	1.3151	2.1474	0.6276	1.0441	1.3445
1978	1.6520	1.9599	1.1498	1.3086	2.1260	0.6177	1.0550	1.2624
1979	1.6691	1.9484	1.2180	1.3544	2.1455	0.7520	1.0594	1.2323
1980	1.6172	1.8943	1.1685	1.2495	1.9359	0.5791	1.0741	1.2943
1981	1.5391	1.6457	1.3550	1.1412	1.5835	0.6110	1.0589	1.3487
1982	1.6562	1.7735	1.4545	1.1772	1.6422	0.7499	1.0416	1.4069
1983	1.6410	1.8298	1.3420	1.1553	1.7256	0.5767	1.0266	1.4204
1984	1.7865	1.9854	1.4693	1.2047	1.7767	0.7771	1.0161	1.4829
1985	1.9059	2.0848	1.6107	1.1347	1.7162	0.5621	1.0015	1.6796
1986	1.8025	2.0589	1.4068	1.1213	1.7702	0.5106	0.9800	1.6075
1987	1.8385	2.0689	1.4792	1.1923	1.9205	0.6536	0.9605	1.5420
1988	1.9295	2.2486	1.4340	1.1679	1.9320	0.5911	0.9501	1.6521
1989	1.9953	2.3104	1.5042	1.1633	1.8757	0.6210	0.9468	1.7152
1990	1.9366	2.2097	1.5044	1.1613	1.8833	0.6149	0.9428	1.6676
1991	2.0785	2.3732	1.6123	1.2144	2.0347	0.6498	0.9351	1.7115
1992	2.1288	2.4447	1.6320	1.2024	1.9967	0.6462	0.9349	1.7704
1993	2.1709	2.5439	1.5933	1.1987	2.0033	0.6399	0.9273	1.8111
Average annual rates of growth								
1960-93	0.0235	0.0283	0.0141	0.0055	0.0211	-0.0135	-0.0023	0.0180
1960-66	0.0357	0.0512	0.0135	0.0079	0.0560	-0.0730	-0.0033	0.0277
1966-69	0.0391	0.0609	-0.0074	0.0358	0.0818	-0.0279	0.0039	0.0033
1969-73	0.0549	0.0683	0.0144	0.0255	0.0475	-0.0071	0.0049	0.0294
1973-79	-0.0065	-0.0160	0.0134	0.0077	-0.0013	0.0442	0.0077	-0.0142
1979-89	0.0179	0.0170	0.0211	-0.0152	-0.0134	-0.0191	-0.0112	0.0331
1989-93	0.0211	0.0241	0.0144	0.0075	0.0164	0.0075	-0.0052	0.0136

New York -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0395	1.0192	1.0732	0.9515	0.9483	0.9462	0.9730	1.0924
1962	1.0055	1.0294	0.9678	0.9355	0.9521	0.9042	0.9572	1.0749
1963	1.0374	1.0394	1.0321	0.8895	0.9160	0.8344	0.9413	1.1664
1964	1.0278	1.0691	0.9679	0.8796	0.9529	0.7666	0.9404	1.1686
1965	1.0408	1.0735	0.9928	0.8395	0.8731	0.7589	0.9346	1.2399
1966	1.0291	1.0373	1.0164	0.8236	0.9032	0.6908	0.9362	1.2495
1967	1.0493	1.0274	1.0841	0.8161	0.9255	0.6506	0.9453	1.2858
1968	1.0081	1.0089	1.0048	0.8003	0.9136	0.6242	0.9518	1.2596
1969	0.9953	1.0101	0.9681	0.7894	0.9079	0.6093	0.9430	1.2608
1970	1.0135	1.0068	1.0235	0.7736	0.9004	0.5840	0.9403	1.3101
1971	1.0192	1.0125	1.0289	0.7661	0.8699	0.5871	0.9474	1.3304
1972	0.9279	1.0009	0.8062	0.7496	0.8398	0.5741	0.9496	1.2379
1973	0.9345	0.9475	0.9071	0.7506	0.8027	0.6007	0.9617	1.2450
1974	0.9851	0.9758	0.9905	0.8042	0.9056	0.6129	0.9973	1.2249
1975	1.0017	0.9789	1.0260	0.8016	0.8858	0.6237	1.0067	1.2496
1976	0.9888	0.9756	0.9992	0.8314	0.9152	0.6605	1.0177	1.1893
1977	0.9879	0.9744	0.9988	0.8173	0.9180	0.6172	1.0303	1.2088
1978	1.0228	0.9973	1.0511	0.8306	0.9565	0.6090	1.0316	1.2314
1979	1.0896	1.0564	1.1302	0.8493	0.9927	0.6108	1.0463	1.2829
1980	1.1365	1.1093	1.1652	0.8926	1.0401	0.6660	1.0685	1.2732
1981	1.1301	1.1260	1.1199	0.8853	1.0102	0.6704	1.0830	1.2766
1982	1.1351	1.1294	1.1273	0.8105	0.9039	0.5674	1.0734	1.4004
1983	1.1404	1.1599	1.0926	0.8514	1.0218	0.5800	1.0460	1.3394
1984	1.1487	1.1455	1.1356	0.8682	0.9586	0.7709	1.0285	1.3232
1985	1.1730	1.1700	1.1590	0.7814	0.8842	0.5856	0.9967	1.5011
1986	1.1387	1.1460	1.1101	0.7420	0.8610	0.5211	0.9578	1.5346
1987	1.1163	1.1069	1.1128	0.7087	0.8565	0.4562	0.9124	1.5752
1988	1.0553	1.0902	0.9890	0.6794	0.8160	0.4393	0.8798	1.5531
1989	1.0634	1.0829	1.0188	0.6821	0.8244	0.4573	0.8495	1.5591
1990	1.0655	1.0628	1.0548	0.6700	0.8532	0.4093	0.8364	1.5903
1991	1.0872	1.0784	1.0851	0.6658	0.8761	0.3864	0.8242	1.6330
1992	1.0912	1.1334	1.0169	0.6271	0.7935	0.3773	0.8041	1.7402
1993	1.0862	1.1042	1.0462	0.6347	0.8045	0.3950	0.7832	1.7112
Average annual rates of growth								
1960-93	0.0025	0.0030	0.0014	-0.0138	-0.0066	-0.0281	-0.0074	0.0163
1960-66	0.0048	0.0061	0.0027	-0.0323	-0.0170	-0.0617	-0.0110	0.0371
1966-69	-0.0111	-0.0088	-0.0162	-0.0141	0.0017	-0.0418	0.0024	0.0030
1969-73	-0.0158	-0.0160	-0.0163	-0.0126	-0.0308	-0.0035	0.0049	-0.0032
1973-79	0.0256	0.0181	0.0367	0.0206	0.0354	0.0028	0.0141	0.0050
1979-89	-0.0024	0.0025	-0.0104	-0.0219	-0.0186	-0.0290	-0.0208	0.0195
1989-93	0.0053	0.0049	0.0066	-0.0180	-0.0061	-0.0366	-0.0203	0.0233

North Carolina -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0202	1.1049	0.9887	0.9776	0.9946	0.9564	0.9951	1.0436
1962	1.0714	1.1540	1.0406	0.9640	1.0230	0.9147	0.9646	1.1114
1963	1.0980	1.1935	1.0625	0.9656	1.0239	0.9133	0.9778	1.1372
1964	1.1498	1.2446	1.1144	0.9289	1.0363	0.8298	0.9879	1.2377
1965	1.0358	1.2953	0.9408	0.9408	1.1005	0.8061	1.0072	1.1010
1966	1.0497	1.3917	0.9234	0.9055	1.1167	0.7274	1.0230	1.1592
1967	1.1626	1.4979	1.0390	0.9190	1.1874	0.7044	1.0531	1.2651
1968	1.0581	1.5755	0.8677	0.9033	1.2159	0.6580	1.0729	1.1713
1969	1.1286	1.6703	0.9293	0.8865	1.2568	0.6129	1.0740	1.2731
1970	1.1919	1.7777	0.9762	0.8993	1.3127	0.6105	1.0780	1.3254
1971	1.1867	1.7882	0.9655	0.8654	1.2233	0.5826	1.0978	1.3714
1972	1.1780	1.8173	0.9444	0.8186	1.1997	0.5181	1.0821	1.4390
1973	1.2850	1.8108	1.0940	0.8304	1.2572	0.5076	1.0965	1.5475
1974	1.2675	1.8376	1.0603	0.8068	1.2434	0.4591	1.1198	1.5710
1975	1.3049	1.7476	1.1419	0.7755	1.3086	0.3549	1.1055	1.6827
1976	1.3549	1.8964	1.1552	0.8474	1.4710	0.3928	1.1163	1.5990
1977	1.2343	1.9610	0.9704	0.8206	1.4264	0.3637	1.1285	1.5042
1978	1.3807	2.0469	1.1360	0.8896	1.6901	0.3550	1.1356	1.5520
1979	1.3520	2.2472	1.0287	0.9279	1.7265	0.4020	1.1582	1.4570
1980	1.3815	2.3651	1.0289	0.9208	1.7099	0.3852	1.1794	1.5003
1981	1.5286	2.4529	1.1882	0.9349	1.6727	0.4510	1.1712	1.6350
1982	1.4971	2.4501	1.1491	0.9127	1.5569	0.5000	1.1534	1.6403
1983	1.3141	2.6062	0.8726	0.8571	1.5770	0.3400	1.0931	1.5331
1984	1.4679	2.6171	1.0643	0.8478	1.6178	0.2749	1.1038	1.7315
1985	1.4554	2.7963	0.9890	0.7924	1.5103	0.2330	1.0748	1.8368
1986	1.3819	2.9265	0.8451	0.7487	1.4900	0.1889	1.0323	1.8457
1987	1.4324	3.1540	0.8351	0.7392	1.5578	0.1736	0.9777	1.9377
1988	1.5399	3.2883	0.9291	0.7373	1.5571	0.1887	0.9269	2.0886
1989	1.6215	3.4649	0.9776	0.7500	1.5877	0.2012	0.9103	2.1621
1990	1.7105	3.6262	1.0409	0.7341	1.5084	0.2133	0.8870	2.3300
1991	1.8285	3.8786	1.1120	0.7438	1.5144	0.2290	0.8713	2.4583
1992	1.9440	4.2877	1.1303	0.7654	1.6256	0.2244	0.8548	2.5400
1993	1.9659	4.5881	1.0631	0.7636	1.7350	0.1917	0.8314	2.5746
Average annual rates of growth								
1960-93	0.0205	0.0462	0.0019	-0.0082	0.0167	-0.0501	-0.0056	0.0287
1960-66	0.0081	0.0551	-0.0133	-0.0166	0.0184	-0.0531	0.0038	0.0246
1966-69	0.0242	0.0608	0.0021	-0.0071	0.0394	-0.0571	0.0162	0.0312
1969-73	0.0324	0.0202	0.0408	-0.0163	0.0001	-0.0471	0.0052	0.0488
1973-79	0.0085	0.0360	-0.0103	0.0185	0.0529	-0.0389	0.0091	-0.0100
1979-89	0.0182	0.0433	-0.0051	-0.0213	-0.0084	-0.0692	-0.0241	0.0395
1989-93	0.0482	0.0702	0.0210	0.0045	0.0222	-0.0121	-0.0227	0.0437

North Dakota -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.7589	1.1489	0.6086	0.9790	0.9760	0.9636	0.9944	0.7752
1962	1.2317	1.1526	1.2537	0.9998	1.0645	0.9495	0.9563	1.2320
1963	1.1303	1.2813	1.0673	1.0112	1.0949	0.9108	0.9887	1.1178
1964	1.1970	1.3458	1.1343	1.0283	1.1646	0.8748	0.9908	1.1642
1965	1.3158	1.2677	1.3229	1.0212	1.1320	0.8777	1.0064	1.2884
1966	1.2060	1.2534	1.1773	1.0249	1.1410	0.8569	1.0283	1.1767
1967	1.2165	1.2114	1.2084	1.0471	1.2163	0.8197	1.0519	1.1618
1968	1.3574	1.1539	1.4322	1.0506	1.2326	0.7980	1.0669	1.2920
1969	1.3738	1.1060	1.4784	1.0531	1.2649	0.7887	1.0575	1.3045
1970	1.1820	1.1448	1.1815	1.0370	1.2507	0.7418	1.0640	1.1399
1971	1.6093	1.2458	1.7748	1.0564	1.2882	0.7490	1.0803	1.5233
1972	1.4517	1.2616	1.5151	1.0429	1.2481	0.7656	1.0628	1.3920
1973	1.5221	1.3258	1.5855	1.0824	1.3573	0.7514	1.0884	1.4062
1974	1.3422	1.3667	1.3378	1.1181	1.3379	0.8316	1.1357	1.2004
1975	1.5772	1.2767	1.6494	1.1061	1.3660	0.7452	1.1587	1.4260
1976	1.6261	1.2582	1.7182	1.1181	1.3816	0.7303	1.1967	1.4543
1977	1.5832	1.1766	1.6911	1.1639	1.3457	0.8882	1.2214	1.3603
1978	1.8827	1.0508	2.1708	1.2013	1.5086	0.8591	1.2081	1.5673
1979	1.8165	1.1372	2.0238	1.2646	1.6362	0.9189	1.2249	1.4365
1980	1.4921	1.2315	1.4922	1.1981	1.5173	0.7254	1.2691	1.2454
1981	2.1768	1.2292	2.4545	1.1667	1.4450	0.7510	1.2328	1.8658
1982	2.1587	1.1976	2.4447	1.1601	1.4079	0.8185	1.2024	1.8608
1983	1.9037	1.2990	2.0353	1.1186	1.4667	0.7428	1.1238	1.7019
1984	2.1006	1.3055	2.3069	1.1299	1.4021	0.8559	1.1345	1.8591
1985	2.2231	1.3206	2.4714	1.0971	1.3727	0.7866	1.1144	2.0263
1986	2.2212	1.2162	2.5210	1.0572	1.3434	0.7489	1.0694	2.1010
1987	2.0746	1.2316	2.3032	1.0597	1.4300	0.7492	1.0228	1.9577
1988	1.1132	0.9561	1.0760	1.0404	1.3649	0.7855	0.9980	1.0700
1989	1.6048	0.9947	1.7524	0.9791	1.2286	0.7348	0.9851	1.6390
1990	2.0439	0.9817	2.4036	1.0263	1.3796	0.7447	0.9817	1.9915
1991	2.0270	0.9489	2.4003	1.0209	1.3613	0.7595	0.9687	1.9856
1992	2.5159	1.1643	2.9882	1.0446	1.4696	0.7268	0.9654	2.4083
1993	1.9174	0.9909	2.2129	1.0278	1.4344	0.7109	0.9626	1.8655
Average annual rates of growth								
1960-93	0.0197	-0.0003	0.0241	0.0008	0.0109	-0.0103	-0.0012	0.0189
1960-66	0.0312	0.0376	0.0272	0.0041	0.0220	-0.0257	0.0047	0.0271
1966-69	0.0434	-0.0417	0.0759	0.0091	0.0343	-0.0277	0.0093	0.0344
1969-73	0.0256	0.0453	0.0175	0.0068	0.0176	-0.0121	0.0072	0.0188
1973-79	0.0295	-0.0256	0.0407	0.0259	0.0312	0.0336	0.0197	0.0035
1979-89	-0.0124	-0.0134	-0.0144	-0.0256	-0.0287	-0.0224	-0.0218	0.0132
1989-93	0.0445	-0.0009	0.0583	0.0121	0.0387	-0.0083	-0.0058	0.0323

Ohio -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9971	1.0530	0.9437	0.9510	0.9623	0.9311	0.9749	1.0486
1962	1.0034	1.0788	0.9317	0.9232	0.9384	0.8951	0.9618	1.0868
1963	1.0317	1.0775	0.9857	0.8951	0.9289	0.8432	0.9626	1.1526
1964	1.0134	1.1067	0.9283	0.8683	0.9242	0.7925	0.9643	1.1671
1965	1.0207	1.0394	0.9989	0.8461	0.9104	0.7607	0.9588	1.2064
1966	1.0744	1.0414	1.0987	0.8336	0.9528	0.7121	0.9659	1.2888
1967	1.0370	1.0272	1.0400	0.8213	0.9596	0.6767	1.0018	1.2627
1968	1.0687	1.0013	1.1277	0.7830	0.9564	0.6117	1.0047	1.3650
1969	1.0213	0.9933	1.0397	0.7645	0.9692	0.5773	1.0034	1.3359
1970	1.0487	1.0057	1.0825	0.7445	0.9739	0.5436	1.0034	1.4085
1971	1.1640	1.0335	1.2855	0.7635	0.9812	0.5638	1.0297	1.5244
1972	1.1049	1.0043	1.1961	0.7561	0.9712	0.5556	1.0292	1.4613
1973	1.0089	0.8895	1.1203	0.7733	0.9535	0.5829	1.0627	1.3047
1974	1.0733	0.8837	1.2423	0.7396	0.9902	0.4912	1.0885	1.4512
1975	1.1957	0.9008	1.4490	0.7447	0.9966	0.4921	1.1049	1.6057
1976	1.2590	0.9327	1.5395	0.7853	1.0955	0.5038	1.1203	1.6032
1977	1.2877	0.8908	1.6322	0.8016	1.0666	0.5529	1.1379	1.6064
1978	1.2484	0.8384	1.6070	0.8053	1.0928	0.5391	1.1394	1.5504
1979	1.3629	0.9029	1.7672	0.7987	1.1436	0.4489	1.1630	1.7064
1980	1.3603	0.8807	1.7837	0.8447	1.2098	0.5222	1.1866	1.6104
1981	1.2038	0.8798	1.4853	0.7761	1.1275	0.3507	1.1744	1.5510
1982	1.3540	0.9119	1.7491	0.7925	1.0654	0.4860	1.1599	1.7085
1983	1.1397	0.9686	1.2749	0.7909	1.0954	0.5599	1.0725	1.4410
1984	1.4157	0.9588	1.8082	0.7367	1.0546	0.3486	1.1014	1.9216
1985	1.5597	0.9878	2.0599	0.7348	1.0220	0.3819	1.0923	2.1226
1986	1.4883	0.9979	1.9072	0.7466	1.0524	0.4340	1.0482	1.9935
1987	1.4173	1.0184	1.7416	0.7156	1.0599	0.3759	0.9944	1.9807
1988	1.1934	1.0145	1.3185	0.6831	0.9918	0.3574	0.9704	1.7469
1989	1.3656	0.9652	1.6778	0.7017	0.9918	0.4177	0.9632	1.9461
1990	1.5226	1.0636	1.8832	0.6919	0.9778	0.4062	0.9590	2.2005
1991	1.3233	0.9597	1.5997	0.6785	0.9431	0.4021	0.9531	1.9504
1992	1.5367	0.9593	2.0132	0.6648	1.0172	0.3454	0.9283	2.3116
1993	1.4224	0.9901	1.7614	0.6769	1.0505	0.3585	0.9110	2.1013
Average annual rates of growth								
1960-93	0.0107	-0.0003	0.0172	-0.0118	0.0015	-0.0311	-0.0028	0.0225
1960-66	0.0120	0.0068	0.0157	-0.0303	-0.0081	-0.0566	-0.0058	0.0423
1966-69	-0.0169	-0.0157	-0.0184	-0.0288	0.0057	-0.0700	0.0127	0.0119
1969-73	-0.0030	-0.0276	0.0187	0.0029	-0.0041	0.0024	0.0144	-0.0059
1973-79	0.0501	0.0025	0.0760	0.0054	0.0303	-0.0435	0.0150	0.0447
1979-89	0.0002	0.0067	-0.0052	-0.0129	-0.0142	-0.0072	-0.0188	0.0131
1989-93	0.0102	0.0064	0.0122	-0.0090	0.0144	-0.0382	-0.0139	0.0192

Oklahoma -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9781	1.0686	0.8974	0.9916	1.0120	0.9685	0.9875	0.9864
1962	0.8728	1.0780	0.6922	0.9840	1.0353	0.9324	0.9675	0.8870
1963	0.9078	1.1290	0.7136	0.9961	1.0838	0.9106	0.9684	0.9114
1964	0.9736	1.1821	0.7876	0.9811	1.1038	0.8472	0.9696	0.9924
1965	1.1417	1.2593	1.0288	1.0006	1.1704	0.8321	0.9734	1.1410
1966	1.0510	1.3025	0.8173	1.0373	1.2591	0.8458	0.9763	1.0132
1967	1.0581	1.3373	0.7998	1.0535	1.2318	0.8930	0.9978	1.0044
1968	1.1570	1.3931	0.9403	1.0686	1.3167	0.8597	1.0050	1.0827
1969	1.2023	1.4605	0.9630	1.1068	1.4683	0.8608	0.9928	1.0863
1970	1.2449	1.6219	0.8764	1.1192	1.5071	0.8738	0.9860	1.1124
1971	1.2376	1.7024	0.7696	1.1445	1.5964	0.8697	0.9947	1.0814
1972	1.3710	1.8917	0.8453	1.1819	1.7353	0.8867	0.9764	1.1600
1973	1.6053	2.0004	1.2481	1.2508	1.9067	0.8948	1.0178	1.2834
1974	1.4860	2.0245	1.0120	1.1765	1.8554	0.6848	1.0487	1.2631
1975	1.5265	1.8899	1.1649	1.1300	1.6745	0.7301	1.0457	1.3509
1976	1.4058	1.7668	1.0540	1.1047	1.6433	0.6880	1.0498	1.2726
1977	1.6123	1.9924	1.2357	1.1357	1.8338	0.6161	1.0475	1.4197
1978	1.3961	1.6976	1.0955	1.1698	1.8945	0.6717	1.0393	1.1934
1979	1.7011	1.9085	1.5140	1.2357	2.1628	0.6122	1.0359	1.3767
1980	1.6143	2.0396	1.1760	1.2427	2.1687	0.5689	1.0689	1.2990
1981	1.5911	1.9748	1.1948	1.1651	1.8565	0.6586	1.0472	1.3657
1982	1.7367	2.0168	1.4384	1.0929	1.7304	0.5407	1.0226	1.5890
1983	1.5118	1.9319	1.0865	1.0624	1.7681	0.5362	0.9499	1.4231
1984	1.5633	1.9035	1.2051	1.0751	1.7220	0.6648	0.9607	1.4541
1985	1.5962	1.9400	1.2334	1.0623	1.7345	0.5936	0.9557	1.5026
1986	1.6299	2.0857	1.1728	1.0588	1.8018	0.5611	0.9295	1.5394
1987	1.5795	2.0524	1.1095	1.0623	1.9464	0.4974	0.9038	1.4868
1988	1.6582	2.0225	1.2983	1.1265	2.0463	0.5995	0.8868	1.4720
1989	1.6820	2.0916	1.2729	1.1288	2.0535	0.5885	0.9009	1.4900
1990	1.6860	2.0024	1.3843	1.1534	2.0383	0.6550	0.9080	1.4618
1991	1.6292	2.0448	1.2029	1.1882	2.1377	0.6760	0.8974	1.3711
1992	1.6782	1.9786	1.3960	1.1522	2.0118	0.6655	0.9124	1.4565
1993	1.6596	2.0218	1.3001	1.1511	2.0261	0.6538	0.9074	1.4418
Average annual rates of growth								
1960-93	0.0154	0.0213	0.0080	0.0043	0.0214	-0.0129	-0.0029	0.0111
1960-66	0.0083	0.0441	-0.0336	0.0061	0.0384	-0.0279	-0.0040	0.0022
1966-69	0.0448	0.0382	0.0547	0.0216	0.0513	0.0059	0.0056	0.0232
1969-73	0.0723	0.0786	0.0648	0.0306	0.0653	0.0097	0.0062	0.0417
1973-79	0.0097	-0.0078	0.0322	-0.0020	0.0210	-0.0632	0.0029	0.0117
1979-89	-0.0011	0.0092	-0.0173	-0.0090	-0.0052	-0.0039	-0.0140	0.0079
1989-93	-0.0034	-0.0085	0.0053	0.0049	-0.0034	0.0263	0.0018	-0.0082

Oregon -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0225	1.0537	0.9992	0.9838	1.0007	0.9646	0.9886	1.0394
1962	1.0733	1.0629	1.0817	1.0077	1.0591	0.9788	0.9707	1.0651
1963	1.0871	1.0723	1.0988	1.0002	1.0954	0.9286	0.9757	1.0869
1964	1.1108	1.0898	1.1268	0.9870	1.0599	0.9254	0.9787	1.1254
1965	1.1421	1.0696	1.1940	0.9728	1.0772	0.8793	0.9834	1.1740
1966	1.1407	1.0937	1.1741	0.9110	1.0738	0.7502	0.9841	1.2521
1967	1.1616	1.0917	1.2116	0.9117	1.1524	0.7008	0.9924	1.2740
1968	1.1088	1.0976	1.1161	0.8674	1.0885	0.6486	0.9903	1.2784
1969	1.1893	1.0571	1.2929	0.8726	1.1230	0.6494	0.9760	1.3629
1970	1.1839	1.0763	1.2663	0.8577	1.1359	0.6212	0.9627	1.3803
1971	1.2214	1.0707	1.3416	0.8495	1.1496	0.5986	0.9603	1.4378
1972	1.2221	1.1194	1.3004	0.8047	1.1229	0.5246	0.9467	1.5188
1973	1.2893	1.0879	1.4503	0.8243	1.1666	0.5404	0.9535	1.5641
1974	1.3107	1.0437	1.5159	0.7826	1.0232	0.5394	0.9656	1.6747
1975	1.3577	1.0396	1.5958	0.7864	1.0218	0.5515	0.9595	1.7265
1976	1.4241	1.0794	1.6813	0.8345	1.2043	0.5151	0.9782	1.7066
1977	1.3628	1.0566	1.5922	0.8710	1.2328	0.5715	0.9924	1.5647
1978	1.4074	1.0672	1.6632	0.9347	1.4439	0.5803	0.9974	1.5057
1979	1.5539	1.2255	1.7926	1.0223	1.7171	0.6016	1.0176	1.5201
1980	1.6412	1.1908	1.9915	0.9650	1.4624	0.6105	1.0398	1.7008
1981	1.7559	1.2624	2.1409	1.0371	1.5300	0.7626	1.0601	1.6932
1982	1.6614	1.2613	1.9687	0.9931	1.4425	0.6741	1.0638	1.6729
1983	1.6617	1.2665	1.9651	0.9677	1.4520	0.6311	1.0270	1.7172
1984	1.7498	1.2692	2.1199	0.9542	1.4917	0.5624	1.0170	1.8339
1985	1.7105	1.3111	2.0180	0.9292	1.4723	0.5230	0.9972	1.8408
1986	1.7835	1.3152	2.1409	0.9074	1.4762	0.4940	0.9655	1.9656
1987	1.8359	1.2812	2.2586	0.8967	1.4636	0.5030	0.9315	2.0474
1988	1.9566	1.2953	2.4661	0.9213	1.4994	0.5498	0.9193	2.1237
1989	1.9926	1.3282	2.5038	0.9836	1.6101	0.6239	0.9243	2.0258
1990	2.0836	1.3621	2.6410	0.9657	1.5426	0.6291	0.9242	2.1576
1991	2.0746	1.3562	2.6296	0.9463	1.5325	0.5863	0.9318	2.1924
1992	1.9760	1.3322	2.4737	0.9414	1.6198	0.5282	0.9239	2.0990
1993	2.1074	1.3258	2.7106	0.9124	1.5839	0.4924	0.9209	2.3097
Average annual rates of growth								
1960-93	0.0226	0.0085	0.0302	-0.0028	0.0139	-0.0215	-0.0025	0.0254
1960-66	0.0219	0.0149	0.0267	-0.0155	0.0119	-0.0479	-0.0027	0.0375
1966-69	0.0139	-0.0113	0.0321	-0.0144	0.0149	-0.0481	-0.0027	0.0283
1969-73	0.0202	0.0072	0.0287	-0.0142	0.0095	-0.0460	-0.0058	0.0344
1973-79	0.0311	0.0198	0.0353	0.0359	0.0644	0.0179	0.0108	-0.0048
1979-89	0.0249	0.0080	0.0334	-0.0039	-0.0064	0.0036	-0.0096	0.0287
1989-93	0.0140	-0.0004	0.0198	-0.0188	-0.0041	-0.0592	-0.0009	0.0328

Pennsylvania -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0158	1.0076	1.0295	0.9503	0.9498	0.9426	0.9781	1.0689
1962	0.9515	1.0142	0.8495	0.9053	0.9109	0.8856	0.9584	1.0511
1963	0.9753	1.0129	0.9106	0.8637	0.8654	0.8413	0.9407	1.1292
1964	0.9965	1.0186	0.9541	0.8477	0.8712	0.8062	0.9352	1.1756
1965	1.0085	1.0223	0.9783	0.8300	0.8730	0.7727	0.9293	1.2150
1966	0.9431	1.0068	0.8394	0.8116	0.8804	0.7334	0.9289	1.1620
1967	1.0235	1.0072	1.0505	0.7959	0.8481	0.7228	0.9323	1.2859
1968	0.9975	0.9975	0.9967	0.7961	0.9015	0.6919	0.9457	1.2530
1969	1.0266	1.0183	1.0402	0.7745	0.8933	0.6618	0.9344	1.3255
1970	1.0482	1.0218	1.0959	0.7666	0.8868	0.6522	0.9316	1.3673
1971	1.0649	1.0451	1.1012	0.7638	0.8996	0.6371	0.9472	1.3943
1972	1.0025	1.0178	0.9777	0.7410	0.8408	0.6276	0.9390	1.3528
1973	1.0262	0.9850	1.0997	0.7615	0.8374	0.6640	0.9484	1.3475
1974	1.0792	1.0175	1.1861	0.8037	0.9006	0.6957	0.9792	1.3428
1975	1.1061	1.0474	1.2088	0.8262	0.9168	0.7262	0.9965	1.3388
1976	1.1438	1.1017	1.2203	0.8316	0.9817	0.6748	1.0039	1.3754
1977	1.1765	1.1470	1.2340	0.8514	1.0024	0.6994	1.0161	1.3818
1978	1.2300	1.1872	1.3085	0.8552	1.0498	0.6584	1.0262	1.4383
1979	1.2729	1.2449	1.3273	0.8646	1.0898	0.6300	1.0520	1.4722
1980	1.3049	1.3426	1.2463	0.9199	1.1619	0.6961	1.0803	1.4185
1981	1.4322	1.4241	1.4498	0.9049	1.1415	0.6675	1.0835	1.5828
1982	1.4343	1.4238	1.4557	0.8977	1.0927	0.6975	1.0836	1.5977
1983	1.3938	1.4778	1.2654	0.9222	1.2137	0.6808	1.0470	1.5114
1984	1.4942	1.4338	1.5896	0.8828	1.1212	0.6528	1.0433	1.6926
1985	1.5746	1.5273	1.6489	0.8581	1.1228	0.5819	1.0347	1.8350
1986	1.5675	1.5757	1.5499	0.8457	1.1328	0.5679	0.9974	1.8536
1987	1.5511	1.5940	1.4769	0.8402	1.1349	0.5826	0.9613	1.8461
1988	1.4916	1.6004	1.3179	0.8239	1.0996	0.5852	0.9409	1.8104
1989	1.5593	1.5975	1.4910	0.8490	1.1602	0.6124	0.9238	1.8366
1990	1.5797	1.5897	1.5563	0.8619	1.2240	0.5989	0.9136	1.8328
1991	1.5181	1.6078	1.3703	0.8562	1.1820	0.6221	0.9078	1.7731
1992	1.6649	1.6344	1.6970	0.8117	1.1006	0.5845	0.8934	2.0511
1993	1.6226	1.6286	1.5986	0.8230	1.1479	0.5832	0.8812	1.9715
Average annual rates of growth								
1960-93	0.0147	0.0148	0.0142	-0.0059	0.0042	-0.0163	-0.0038	0.0206
1960-66	-0.0098	0.0011	-0.0292	-0.0348	-0.0212	-0.0517	-0.0123	0.0250
1966-69	0.0283	0.0038	0.0715	-0.0156	0.0048	-0.0343	0.0020	0.0439
1969-73	-0.0001	-0.0083	0.0139	-0.0042	-0.0162	0.0008	0.0037	0.0041
1973-79	0.0359	0.0390	0.0314	0.0212	0.0439	-0.0087	0.0173	0.0147
1979-89	0.0203	0.0249	0.0116	-0.0018	0.0063	-0.0028	-0.0130	0.0221
1989-93	0.0099	0.0048	0.0174	-0.0078	-0.0027	-0.0122	-0.0118	0.0177

Rhode Island -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9851	0.9715	1.0052	0.9077	0.8957	0.8969	0.9828	1.0853
1962	0.9887	0.9639	1.0252	0.8337	0.8555	0.7777	0.9656	1.1859
1963	0.9841	0.9717	1.0032	0.7446	0.8459	0.6038	0.9557	1.3216
1964	0.9497	0.9401	0.9656	0.6721	0.7736	0.5183	0.9464	1.4131
1965	0.9095	0.8975	0.9280	0.6692	0.7067	0.5668	0.9416	1.3590
1966	0.8950	0.8552	0.9466	0.6440	0.6969	0.5255	0.9392	1.3898
1967	0.8400	0.8221	0.8644	0.6295	0.6725	0.5155	0.9377	1.3344
1968	0.7980	0.7479	0.8624	0.6206	0.6174	0.5369	0.9339	1.2859
1969	0.7628	0.7291	0.8064	0.5535	0.5978	0.4249	0.9208	1.3782
1970	0.7790	0.7061	0.8720	0.5221	0.5496	0.3984	0.9065	1.4921
1971	0.7430	0.6412	0.8715	0.4871	0.4837	0.3750	0.8958	1.5254
1972	0.6559	0.5640	0.7719	0.4780	0.4413	0.3886	0.8813	1.3721
1973	0.6775	0.5281	0.8670	0.4616	0.4428	0.3593	0.8698	1.4675
1974	0.6601	0.5542	0.7902	0.4725	0.4677	0.3625	0.8665	1.3970
1975	0.7748	0.5477	1.0662	0.4594	0.4430	0.3577	0.8682	1.6867
1976	0.7165	0.5096	0.9817	0.5016	0.4670	0.4480	0.8673	1.4285
1977	0.6765	0.5065	0.8943	0.4971	0.4713	0.4247	0.8726	1.3609
1978	0.6985	0.4958	0.9586	0.4856	0.4863	0.3771	0.8732	1.4386
1979	0.6731	0.4731	0.9298	0.4711	0.4846	0.3434	0.8786	1.4287
1980	0.6950	0.5256	0.9119	0.4840	0.4646	0.3936	0.8847	1.4360
1981	0.6632	0.5072	0.8631	0.4575	0.4109	0.3715	0.8821	1.4497
1982	0.8258	0.4927	1.2488	0.3945	0.4441	0.1924	0.8730	2.0935
1983	0.8473	0.4488	1.3478	0.4436	0.4555	0.2911	0.8560	1.9102
1984	0.8727	0.4623	1.3884	0.4547	0.4384	0.3390	0.8418	1.9195
1985	1.0458	0.4957	1.7283	0.4297	0.4485	0.2745	0.8252	2.4336
1986	0.9848	0.4356	1.6592	0.4049	0.4435	0.2378	0.7993	2.4325
1987	0.9876	0.4662	1.6349	0.3836	0.4399	0.2027	0.7865	2.5742
1988	0.9849	0.4527	1.6425	0.3502	0.4265	0.1464	0.7772	2.8123
1989	0.8346	0.4077	1.3675	0.3465	0.4229	0.1446	0.7688	2.4085
1990	0.7810	0.4193	1.2399	0.3400	0.4216	0.1376	0.7638	2.2972
1991	0.8151	0.4202	1.3118	0.3688	0.4254	0.1783	0.7593	2.2099
1992	0.8952	0.4802	1.4225	0.3753	0.4148	0.1981	0.7528	2.3853
1993	0.8605	0.4603	1.3686	0.3732	0.4116	0.1984	0.7461	2.3058
Average annual rates of growth								
1960-93	-0.0046	-0.0235	0.0095	-0.0299	-0.0269	-0.0490	-0.0089	0.0253
1960-66	-0.0185	-0.0261	-0.0091	-0.0733	-0.0602	-0.1072	-0.0105	0.0549
1966-69	-0.0533	-0.0532	-0.0534	-0.0505	-0.0511	-0.0708	-0.0066	-0.0028
1969-73	-0.0297	-0.0806	0.0181	-0.0454	-0.0750	-0.0419	-0.0142	0.0157
1973-79	-0.0011	-0.0183	0.0116	0.0034	0.0150	-0.0076	0.0017	-0.0045
1979-89	0.0215	-0.0149	0.0386	-0.0307	-0.0136	-0.0865	-0.0133	0.0522
1989-93	0.0076	0.0303	0.0002	0.0185	-0.0067	0.0790	-0.0075	-0.0109

South Carolina -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0301	1.0490	1.0226	0.9820	0.9928	0.9731	0.9787	1.0490
1962	1.0815	1.0642	1.0882	0.9581	0.9726	0.9432	0.9620	1.1288
1963	1.0822	1.0942	1.0775	0.9249	0.9600	0.8841	0.9548	1.1700
1964	1.0813	1.0804	1.0811	0.9092	0.9914	0.8261	0.9599	1.1893
1965	1.0950	1.1160	1.0869	0.8778	0.9761	0.7734	0.9637	1.2475
1966	1.0074	1.1892	0.9347	0.8381	1.0013	0.6788	0.9667	1.2020
1967	1.1211	1.3032	1.0480	0.8379	1.0290	0.6578	0.9799	1.3379
1968	0.9827	1.2855	0.8629	0.8279	1.0064	0.6484	0.9893	1.1871
1969	1.0837	1.3734	0.9703	0.8143	1.0147	0.6234	0.9769	1.3310
1970	1.0719	1.4250	0.9317	0.8184	1.0103	0.6348	0.9734	1.3097
1971	1.1922	1.5456	1.0515	0.8125	1.0243	0.6112	0.9865	1.4674
1972	1.1156	1.5502	0.9445	0.8174	1.0425	0.6148	0.9782	1.3648
1973	1.1377	1.4684	1.0091	0.7987	1.0570	0.5666	0.9843	1.4245
1974	1.2056	1.4498	1.1050	0.8649	1.2636	0.5395	1.0058	1.3939
1975	1.2900	1.4614	1.2115	0.7548	0.9941	0.5300	0.9724	1.7090
1976	1.1741	1.4922	1.0464	0.8003	1.1437	0.4979	0.9802	1.4672
1977	1.1228	1.4849	0.9818	0.7706	1.0763	0.4756	0.9867	1.4570
1978	1.2242	1.5539	1.0925	0.8150	1.2074	0.4729	0.9906	1.5021
1979	1.2917	1.5941	1.1700	0.8311	1.2648	0.4516	1.0089	1.5543
1980	1.1224	1.6864	0.9052	0.8331	1.2635	0.4376	1.0329	1.3473
1981	1.3576	1.7252	1.2075	0.8146	1.1758	0.5063	1.0131	1.6666
1982	1.3417	1.6339	1.2188	0.7396	1.0328	0.3967	0.9884	1.8141
1983	1.0654	1.6656	0.8430	0.7144	1.0301	0.3852	0.9262	1.4913
1984	1.3109	1.7655	1.1333	0.7238	1.0392	0.4504	0.9100	1.8111
1985	1.2578	1.7945	1.0518	0.6909	0.9915	0.4015	0.8839	1.8205
1986	1.0679	1.8578	0.7721	0.6533	0.9582	0.3376	0.8442	1.6346
1987	1.1682	1.8950	0.8945	0.6358	0.9804	0.3182	0.7866	1.8374
1988	1.2327	1.9926	0.9465	0.6369	0.9549	0.3762	0.7626	1.9356
1989	1.3148	1.9962	1.0554	0.6682	1.0435	0.3934	0.7543	1.9677
1990	1.2051	2.0876	0.8693	0.6581	1.0048	0.4192	0.7383	1.8313
1991	1.2742	2.0407	0.9805	0.6538	1.0144	0.4060	0.7251	1.9488
1992	1.3464	2.2197	1.0133	0.6282	0.9906	0.3579	0.7112	2.1432
1993	1.2086	2.2324	0.8226	0.6525	1.0889	0.3486	0.6961	1.8524
Average annual rates of growth								
1960-93	0.0057	0.0243	-0.0059	-0.0129	0.0026	-0.0319	-0.0110	0.0187
1960-66	0.0012	0.0289	-0.0113	-0.0294	0.0002	-0.0646	-0.0056	0.0307
1966-69	0.0244	0.0480	0.0125	-0.0096	0.0044	-0.0284	0.0035	0.0340
1969-73	0.0122	0.0167	0.0098	-0.0048	0.0102	-0.0239	0.0019	0.0170
1973-79	0.0212	0.0137	0.0246	0.0066	0.0299	-0.0378	0.0041	0.0145
1979-89	0.0018	0.0225	-0.0103	-0.0218	-0.0192	-0.0138	-0.0291	0.0236
1989-93	-0.0211	0.0280	-0.0623	-0.0060	0.0106	-0.0302	-0.0201	-0.0151

South Dakota -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9570	1.0958	0.7865	0.9952	1.0315	0.9395	0.9909	0.9616
1962	1.0516	1.1353	0.9487	1.0038	1.0684	0.9238	0.9766	1.0476
1963	1.1010	1.2014	0.9782	1.0414	1.1676	0.8981	0.9856	1.0572
1964	1.0449	1.2915	0.7653	1.0178	1.1453	0.8528	0.9922	1.0267
1965	1.1024	1.2451	0.9304	1.0027	1.1332	0.8318	0.9814	1.0994
1966	1.1191	1.2920	0.9132	1.0171	1.1675	0.8285	0.9872	1.1003
1967	1.2310	1.3724	1.0603	1.0429	1.2382	0.8011	1.0149	1.1804
1968	1.2456	1.3650	1.1012	1.0310	1.2206	0.7834	1.0185	1.2081
1969	1.1915	1.2804	1.0862	1.0416	1.2629	0.7703	1.0208	1.1439
1970	1.1636	1.3158	0.9735	1.0260	1.2654	0.7290	1.0179	1.1340
1971	1.3037	1.3947	1.2055	1.0389	1.2979	0.7216	1.0328	1.2550
1972	1.3203	1.3688	1.2938	1.0120	1.2688	0.6913	1.0155	1.3046
1973	1.3678	1.4633	1.2700	1.0983	1.4241	0.7504	1.0452	1.2454
1974	1.2371	1.5096	0.9553	1.0765	1.2795	0.8455	1.0797	1.1492
1975	1.1911	1.2856	1.0605	1.0384	1.2238	0.7960	1.0785	1.1470
1976	0.9204	1.2919	0.5482	0.9651	1.0808	0.7650	1.0851	0.9536
1977	1.3114	1.3095	1.3537	1.0062	1.1536	0.8370	1.0674	1.3033
1978	1.3614	1.2720	1.5284	1.0889	1.3930	0.7663	1.0767	1.2502
1979	1.3844	1.2552	1.6219	1.1125	1.4303	0.8059	1.0773	1.2444
1980	1.3171	1.3670	1.2574	1.1193	1.3847	0.8457	1.1173	1.1768
1981	1.4404	1.3425	1.5724	1.1051	1.3025	0.9315	1.1022	1.3034
1982	1.5361	1.2542	1.9134	1.0777	1.4421	0.7460	1.0781	1.4253
1983	1.4159	1.3241	1.5204	1.1191	1.4633	0.9368	1.0136	1.2652
1984	1.6342	1.3262	2.0339	1.0671	1.3830	0.7633	1.0454	1.5315
1985	1.6393	1.3335	2.0358	1.0743	1.3909	0.7971	1.0359	1.5260
1986	1.5970	1.1904	2.1416	0.9893	1.3118	0.6687	0.9791	1.6143
1987	1.6490	1.3404	2.0313	1.0083	1.3654	0.7226	0.9386	1.6355
1988	1.3210	1.3877	1.1350	0.9847	1.3217	0.7121	0.9225	1.3415
1989	1.5196	1.3814	1.6093	0.9357	1.1594	0.7445	0.9107	1.6240
1990	1.7252	1.3922	2.1127	0.9592	1.3172	0.6625	0.8984	1.7987
1991	1.7336	1.3829	2.1527	0.9551	1.2587	0.7111	0.9001	1.8150
1992	1.7957	1.3819	2.3211	0.9071	1.2418	0.5888	0.9022	1.9797
1993	1.5184	1.2234	1.8685	0.8708	1.1770	0.5629	0.8873	1.7437
Average annual rates of growth								
1960-93	0.0127	0.0061	0.0189	-0.0042	0.0049	-0.0174	-0.0036	0.0168
1960-66	0.0188	0.0427	-0.0151	0.0028	-0.0258	-0.0314	-0.0022	0.0159
1966-69	0.0209	-0.0030	0.0578	0.0079	0.0262	-0.0243	0.0112	0.0130
1969-73	0.0345	0.0334	0.0391	0.0133	0.0300	-0.0065	0.0059	0.0212
1973-79	0.0020	-0.0256	0.0408	0.0021	0.0007	0.0119	0.0050	-0.0001
1979-89	0.0093	0.0096	-0.0008	-0.0173	-0.0210	-0.0079	-0.0168	0.0266
1989-93	-0.0002	-0.0304	0.0373	-0.0180	0.0037	-0.0699	-0.0065	0.0178

Tennessee -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0382	1.0217	1.0523	0.9483	0.9434	0.9346	0.9818	1.0948
1962	1.0141	1.0455	0.9880	0.9365	0.9763	0.8735	0.9721	1.0829
1963	1.0742	1.0622	1.0845	0.9521	1.0113	0.8760	0.9748	1.1282
1964	1.1350	1.0662	1.1911	0.9521	1.0387	0.8474	0.9862	1.1921
1965	1.1093	1.0758	1.1363	0.9272	1.0402	0.7893	0.9948	1.1964
1966	1.0414	1.1088	0.9751	0.9475	1.0962	0.7881	1.0040	1.0991
1967	1.0670	1.1509	0.9849	0.9183	1.1730	0.6713	1.0251	1.1620
1968	1.0559	1.1581	0.9558	0.8859	1.1066	0.6405	1.0379	1.1919
1969	1.0854	1.1561	1.0190	0.8650	1.1063	0.5928	1.0518	1.2549
1970	1.0986	1.2052	0.9930	0.8772	1.1475	0.5993	1.0458	1.2523
1971	1.1558	1.2131	1.1015	0.8755	1.1016	0.5978	1.0853	1.3202
1972	1.1573	1.2499	1.0660	0.9007	1.1668	0.6195	1.0742	1.2850
1973	1.1742	1.2407	1.1118	0.8909	1.1459	0.6035	1.0912	1.3180
1974	1.1034	1.2017	1.0119	0.8222	1.1286	0.4655	1.1146	1.3421
1975	1.2161	1.2558	1.1700	0.7905	1.0925	0.4284	1.1098	1.5385
1976	1.2877	1.3078	1.2578	0.8754	1.2613	0.4858	1.1194	1.4710
1977	1.3055	1.2865	1.3081	0.8386	1.2305	0.4223	1.1378	1.5567
1978	1.3288	1.2733	1.3632	0.8658	1.2948	0.4346	1.1493	1.5347
1979	1.3758	1.2921	1.4376	0.8649	1.3469	0.3889	1.1667	1.5908
1980	1.2505	1.2879	1.1949	0.8604	1.2815	0.4136	1.1841	1.4534
1981	1.4956	1.2999	1.6579	0.8361	1.2374	0.3828	1.1790	1.7888
1982	1.5268	1.3232	1.6962	0.8568	1.2459	0.4358	1.1764	1.7819
1983	1.2448	1.3688	1.1083	0.9160	1.2916	0.6596	1.1464	1.3589
1984	1.5471	1.4253	1.6264	0.8762	1.2737	0.4937	1.1434	1.7657
1985	1.6246	1.4637	1.7394	0.8024	1.2671	0.3114	1.1324	2.0247
1986	1.4509	1.4795	1.3850	0.7542	1.2454	0.2606	1.0896	1.9238
1987	1.4607	1.4581	1.4271	0.7141	1.2757	0.2127	1.0360	2.0456
1988	1.3898	1.3664	1.3801	0.7243	1.2224	0.2490	1.0246	1.9189
1989	1.3729	1.2459	1.4737	0.7269	1.1096	0.2967	1.0287	1.8887
1990	1.3663	1.1842	1.5311	0.7294	1.0969	0.3069	1.0288	1.8733
1991	1.4320	1.2066	1.6458	0.7463	1.1164	0.3265	1.0327	1.9188
1992	1.4971	1.2781	1.7017	0.7608	1.1064	0.3610	1.0368	1.9677
1993	1.4513	1.2291	1.6608	0.7407	1.1220	0.3230	1.0144	1.9594
Average annual rates of growth								
1960-93	0.0113	0.0063	0.0154	-0.0091	0.0035	-0.0342	0.0004	0.0204
1960-66	0.0068	0.0172	-0.0042	-0.0090	0.0153	-0.0397	0.0007	0.0158
1966-69	0.0138	0.0139	0.0147	-0.0304	0.0031	-0.0949	0.0155	0.0442
1969-73	0.0197	0.0177	0.0218	0.0074	0.0088	0.0045	0.0092	0.0123
1973-79	0.0264	0.0068	0.0428	-0.0049	0.0269	-0.0732	0.0112	0.0313
1979-89	-0.0002	-0.0036	0.0025	-0.0174	-0.0194	-0.0271	-0.0126	0.0172
1989-93	0.0139	-0.0034	0.0299	0.0047	0.0028	0.0213	-0.0035	0.0092

Texas -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0084	1.0458	0.9807	1.0013	1.0410	0.9677	0.9753	1.0072
1962	0.9970	1.1002	0.9218	1.0221	1.1065	0.9562	0.9613	0.9755
1963	1.0663	1.1121	1.0317	1.0240	1.1302	0.9288	0.9634	1.0413
1964	1.0183	1.1077	0.9547	0.9934	1.0952	0.8819	0.9601	1.0251
1965	1.0921	1.1152	1.0739	1.0124	1.1671	0.8519	0.9602	1.0787
1966	1.1116	1.1591	1.0735	1.0285	1.2599	0.7949	0.9540	1.0807
1967	1.0798	1.1915	0.9841	1.0421	1.2691	0.8006	0.9796	1.0361
1968	1.1594	1.2166	1.1156	1.0525	1.3030	0.7895	0.9839	1.1016
1969	1.1751	1.3299	1.0305	1.1038	1.4388	0.8045	0.9878	1.0645
1970	1.2122	1.3995	1.0336	1.0821	1.3723	0.7967	0.9911	1.1203
1971	1.2025	1.5036	0.9047	1.1225	1.5230	0.7588	0.9992	1.0713
1972	1.3806	1.7220	1.0434	1.2021	1.7456	0.7933	0.9930	1.1485
1973	1.5563	1.7615	1.3721	1.2264	1.7980	0.7735	1.0262	1.2690
1974	1.3582	1.7095	1.0609	1.1392	1.6027	0.6871	1.0534	1.1922
1975	1.4912	1.6932	1.2829	1.1424	1.6033	0.6847	1.0608	1.3053
1976	1.5036	1.7177	1.2855	1.1907	1.7254	0.6744	1.0689	1.2628
1977	1.5695	1.7638	1.3630	1.1769	1.6713	0.6849	1.0794	1.3336
1978	1.4975	1.7661	1.2320	1.2674	1.9106	0.7055	1.0765	1.1816
1979	1.6219	1.7114	1.5511	1.3021	2.0110	0.6932	1.0812	1.2456
1980	1.4362	1.6321	1.2437	1.2668	1.8902	0.6945	1.0948	1.1337
1981	1.6244	1.6787	1.5809	1.2371	1.8195	0.6759	1.0873	1.3131
1982	1.7231	1.9241	1.5248	1.2560	1.9062	0.6863	1.0738	1.3719
1983	1.4789	1.7067	1.2530	1.2044	1.7848	0.6729	1.0443	1.2279
1984	1.5112	1.7976	1.2301	1.2335	1.8555	0.7118	1.0523	1.2252
1985	1.6340	1.7995	1.4677	1.1907	1.7421	0.6825	1.0377	1.3723
1986	1.5775	1.8785	1.2765	1.1891	1.8177	0.6494	1.0127	1.3266
1987	1.5568	1.9138	1.1981	1.1905	1.8679	0.6661	0.9828	1.3077
1988	1.6122	1.9422	1.2833	1.2012	1.9144	0.6847	0.9689	1.3422
1989	1.6456	1.8819	1.4201	1.1569	1.8033	0.6512	0.9679	1.4224
1990	1.6891	2.0519	1.3250	1.2085	1.9559	0.6658	0.9651	1.3978
1991	1.8850	2.1912	1.5864	1.2604	2.0936	0.6974	0.9595	1.4955
1992	1.9639	2.1879	1.7639	1.2514	2.0738	0.6940	0.9554	1.5693
1993	1.9985	2.3057	1.6948	1.2540	2.0789	0.6965	0.9554	1.5936
Average annual rates of growth								
1960-93	0.0210	0.0253	0.0160	0.0069	0.0222	-0.0110	-0.0014	0.0141
1960-66	0.0176	0.0246	0.0118	0.0047	0.0385	-0.0383	-0.0078	0.0129
1966-69	0.0185	0.0458	-0.0136	0.0235	0.0443	0.0040	0.0116	-0.0050
1969-73	0.0702	0.0703	0.0716	0.0263	0.0557	-0.0098	0.0095	0.0439
1973-79	0.0069	-0.0048	0.0204	0.0100	0.0187	-0.0183	0.0087	-0.0031
1979-89	0.0015	0.0095	-0.0088	-0.0118	-0.0109	-0.0063	-0.0111	0.0133
1989-93	0.0486	0.0508	0.0442	0.0202	0.0356	0.0168	-0.0033	0.0284

Utah -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0005	1.0321	0.9417	0.9687	0.9748	0.9462	0.9897	1.0328
1962	1.0506	1.0239	1.1049	0.9555	0.9628	0.9294	0.9797	1.0996
1963	1.0538	1.0387	1.0838	0.9385	0.9831	0.8557	0.9811	1.1228
1964	1.0531	1.0439	1.0713	0.9134	0.9590	0.8166	0.9840	1.1530
1965	1.0674	1.0178	1.1630	0.8739	0.8951	0.7834	0.9937	1.2214
1966	1.0878	1.0861	1.0897	0.9146	1.0410	0.7213	1.0090	1.1894
1967	1.1453	1.0775	1.2781	0.8709	0.9703	0.6792	1.0214	1.3151
1968	1.1221	1.0764	1.2081	0.8642	0.9695	0.6534	1.0443	1.2985
1969	1.1217	1.0813	1.1954	0.8718	1.0148	0.6330	1.0471	1.2867
1970	1.1536	1.1204	1.2096	0.8498	1.0197	0.5857	1.0404	1.3575
1971	1.1544	1.1113	1.2337	0.8409	0.9917	0.5816	1.0423	1.3728
1972	1.1181	1.1128	1.1111	0.8224	0.9799	0.5395	1.0424	1.3596
1973	1.1303	1.0737	1.2371	0.8062	0.9162	0.5460	1.0441	1.4020
1974	1.1550	1.0761	1.3009	0.8616	0.9850	0.6199	1.0570	1.3406
1975	1.1768	1.1139	1.2980	0.8824	1.0142	0.6429	1.0632	1.3337
1976	1.1900	1.0948	1.3658	0.8898	1.0155	0.6524	1.0792	1.3374
1977	1.1510	1.0666	1.3074	0.9051	1.0416	0.6531	1.0984	1.2717
1978	1.2258	1.1147	1.4359	1.0050	1.2793	0.7219	1.1109	1.2197
1979	1.2244	1.0750	1.5317	0.9789	1.2337	0.6877	1.1063	1.2508
1980	1.2489	1.1121	1.5251	0.9920	1.2525	0.6957	1.1196	1.2590
1981	1.4017	1.2704	1.6629	0.9386	1.2811	0.4462	1.1110	1.4933
1982	1.3941	1.2610	1.6594	0.9750	1.2120	0.7993	1.1044	1.4298
1983	1.3486	1.2226	1.5995	0.9230	1.2527	0.4518	1.0869	1.4612
1984	1.3071	1.1354	1.6512	0.9173	1.1893	0.5485	1.0661	1.4250
1985	1.3381	1.1836	1.6439	0.8971	1.1609	0.5288	1.0470	1.4916
1986	1.4041	1.2641	1.6761	0.8493	1.1774	0.3710	1.0216	1.6533
1987	1.4542	1.2990	1.7601	0.8347	1.2493	0.2963	0.9995	1.7422
1988	1.5105	1.4141	1.6756	0.8611	1.2544	0.3735	0.9937	1.7542
1989	1.4649	1.3865	1.5910	0.8481	1.1620	0.4459	0.9865	1.7273
1990	1.4978	1.4029	1.6595	0.8238	1.1398	0.4031	0.9781	1.8182
1991	1.5084	1.3906	1.7235	0.8270	1.1143	0.4310	0.9800	1.8239
1992	1.6292	1.5096	1.8414	0.8544	1.1826	0.4523	0.9777	1.9067
1993	1.6218	1.4848	1.8809	0.7971	1.1261	0.3507	0.9723	2.0345
Average annual rates of growth								
1960-93	0.0147	0.0120	0.0191	-0.0069	0.0036	-0.0318	-0.0009	0.0215
1960-66	0.0140	0.0138	0.0143	-0.0149	0.0067	-0.0545	0.0015	0.0289
1966-69	0.0102	-0.0015	0.0309	-0.0160	-0.0085	-0.0435	0.0124	0.0262
1969-73	0.0019	-0.0018	0.0086	-0.0195	-0.0256	-0.0370	-0.0007	0.0214
1973-79	0.0133	0.0002	0.0356	0.0323	0.0496	0.0385	0.0096	-0.0190
1979-89	0.0179	0.0254	0.0038	-0.0143	-0.0060	-0.0433	-0.0115	0.0323
1989-93	0.0254	0.0171	0.0418	-0.0155	-0.0078	-0.0601	-0.0036	0.0409

Vermont -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0428	1.0513	1.0210	0.9338	0.9402	0.9098	0.9828	1.1167
1962	1.0312	1.0587	0.9613	0.9125	0.9562	0.8466	0.9643	1.1300
1963	1.0315	1.0604	0.9586	0.8777	0.9360	0.7908	0.9473	1.1751
1964	1.0232	1.0659	0.9205	0.8579	0.9139	0.7715	0.9352	1.1927
1965	0.9964	1.0818	0.8039	0.8431	0.8813	0.7752	0.9192	1.1819
1966	0.9784	1.0053	0.9129	0.8014	0.8432	0.7226	0.9082	1.2209
1967	0.9474	0.9744	0.8806	0.7477	0.8774	0.5862	0.9064	1.2671
1968	0.9270	0.9762	0.7917	0.7057	0.8349	0.5356	0.9027	1.3135
1969	0.9383	1.0085	0.7363	0.6986	0.8565	0.5096	0.8937	1.3431
1970	0.9610	1.0396	0.7346	0.6738	0.8521	0.4708	0.8726	1.4262
1971	0.9893	1.0564	0.7931	0.6704	0.8668	0.4574	0.8642	1.4755
1972	0.9718	1.0639	0.7150	0.6616	0.8619	0.4419	0.8658	1.4690
1973	0.9485	1.0203	0.7419	0.6304	0.7686	0.4530	0.8507	1.5045
1974	0.9439	1.0233	0.7184	0.6453	0.8734	0.3840	0.8672	1.4626
1975	0.9693	1.0718	0.6910	0.6479	0.8627	0.3967	0.8859	1.4960
1976	1.0216	1.1261	0.7355	0.6905	0.9221	0.4376	0.9038	1.4794
1977	1.0007	1.1352	0.6493	0.7013	0.9432	0.4310	0.9258	1.4270
1978	1.0414	1.1491	0.7520	0.7147	0.9585	0.4461	0.9369	1.4571
1979	1.0285	1.1379	0.7346	0.7273	1.0207	0.4104	0.9404	1.4141
1980	1.0307	1.1395	0.7386	0.7578	1.0216	0.4910	0.9622	1.3601
1981	1.0649	1.1583	0.8205	0.7574	1.0093	0.4860	0.9853	1.4060
1982	1.1217	1.2358	0.8201	0.6689	1.0368	0.2597	0.9738	1.6770
1983	1.1488	1.2631	0.8465	0.7385	1.0884	0.3887	0.9637	1.5556
1984	1.0842	1.1851	0.8152	0.7478	1.0057	0.5181	0.9458	1.4498
1985	1.1007	1.2028	0.8286	0.7039	0.9415	0.4729	0.9096	1.5639
1986	1.0936	1.2120	0.7852	0.6922	0.9945	0.3855	0.8918	1.5798
1987	1.0790	1.2248	0.7107	0.6626	0.9390	0.3909	0.8487	1.6284
1988	1.0489	1.1926	0.6864	0.6142	0.8168	0.3814	0.8338	1.7077
1989	1.0407	1.1565	0.7383	0.6307	0.8784	0.3708	0.8253	1.6501
1990	1.0605	1.1703	0.7708	0.6424	0.9489	0.3396	0.8222	1.6510
1991	1.0590	1.1806	0.7442	0.5936	0.9491	0.2247	0.8172	1.7841
1992	1.1383	1.2027	0.9378	0.5592	0.8913	0.1924	0.8090	2.0357
1993	1.1151	1.2510	0.7666	0.5506	0.8805	0.1914	0.7886	2.0252
Average annual rates of growth								
1960-93	0.0033	0.0068	-0.0081	-0.0181	-0.0039	-0.0501	-0.0072	0.0214
1960-66	-0.0036	0.0009	-0.0152	-0.0369	-0.0284	-0.0541	-0.0161	0.0333
1966-69	-0.0140	0.0011	-0.0717	-0.0458	0.0052	-0.1164	-0.0053	0.0318
1969-73	0.0027	0.0029	0.0019	-0.0257	-0.0271	-0.0294	-0.0123	0.0284
1973-79	0.0135	0.0182	-0.0017	0.0238	0.0473	-0.0165	0.0167	-0.0103
1979-89	0.0012	0.0016	0.0005	-0.0143	-0.0150	-0.0101	-0.0131	0.0154
1989-93	0.0173	0.0196	0.0094	-0.0339	0.0006	-0.1654	-0.0114	0.0512

Virginia -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0250	1.0083	1.0396	0.9640	0.9546	0.9670	0.9811	1.0632
1962	1.0349	0.9964	1.0679	0.9511	0.9824	0.9085	0.9675	1.0881
1963	0.9066	1.0219	0.8098	0.9130	0.9418	0.8575	0.9663	0.9929
1964	0.9922	0.9881	0.9895	0.8639	0.8617	0.8269	0.9504	1.1485
1965	0.9860	0.9927	0.9751	0.8667	0.9075	0.7887	0.9529	1.1377
1966	0.9234	1.0033	0.8517	0.8562	0.9626	0.7139	0.9554	1.0784
1967	0.9945	1.0173	0.9709	0.8332	0.9358	0.6832	0.9574	1.1935
1968	0.9931	1.0398	0.9491	0.8394	0.9725	0.6650	0.9684	1.1831
1969	1.0277	1.0702	0.9873	0.8402	1.0179	0.6401	0.9605	1.2232
1970	1.0326	1.1065	0.9638	0.8219	1.0099	0.6071	0.9577	1.2564
1971	1.0380	1.1363	0.9477	0.8073	0.9843	0.5900	0.9601	1.2858
1972	1.0518	1.1471	0.9639	0.7966	0.9868	0.5713	0.9494	1.3204
1973	1.0818	1.1027	1.0631	0.8042	1.0282	0.5589	0.9550	1.3451
1974	1.1132	1.1591	1.0732	0.7872	1.0620	0.4843	0.9697	1.4142
1975	1.1205	1.1571	1.0879	0.7527	0.9993	0.4571	0.9680	1.4887
1976	1.0930	1.1694	1.0281	0.7618	1.0706	0.4159	0.9777	1.4349
1977	1.0388	1.2262	0.8885	0.7077	1.0223	0.3269	0.9846	1.4679
1978	1.1708	1.2721	1.0873	0.7942	1.1731	0.4048	0.9893	1.4743
1979	1.2443	1.4489	1.0702	0.8248	1.3384	0.3585	1.0107	1.5086
1980	1.1822	1.5200	0.8827	0.8586	1.3837	0.3894	1.0373	1.3769
1981	1.3408	1.4786	1.2152	0.8508	1.2989	0.4351	1.0368	1.5759
1982	1.3301	1.4980	1.1792	0.8366	1.2202	0.4502	1.0410	1.5899
1983	1.2100	1.6081	0.8706	0.7804	1.2343	0.3129	1.0078	1.5504
1984	1.4181	1.6427	1.2197	0.7625	1.1937	0.2952	1.0074	1.8598
1985	1.3935	1.7279	1.0994	0.7536	1.1712	0.3013	0.9871	1.8491
1986	1.3034	1.8080	0.8628	0.7225	1.1539	0.2635	0.9564	1.8040
1987	1.3405	1.8130	0.9263	0.7008	1.1603	0.2414	0.9170	1.9128
1988	1.3876	1.7940	1.0285	0.6761	1.2099	0.1788	0.9042	2.0522
1989	1.4801	1.8144	1.1839	0.6755	1.1488	0.2043	0.9003	2.1913
1990	1.5000	1.8000	1.2360	0.7221	1.1691	0.2710	0.8978	2.0775
1991	1.4951	1.8590	1.1738	0.7303	1.1554	0.2954	0.8947	2.0473
1992	1.5938	1.8955	1.3263	0.7198	1.1813	0.2672	0.8823	2.2142
1993	1.5083	1.9282	1.1333	0.7214	1.2806	0.2278	0.8720	2.0906
Average annual rates of growth								
1960-93	0.0125	0.0199	0.0038	-0.0099	0.0075	-0.0448	-0.0042	0.0223
1960-66	-0.0133	0.0005	-0.0268	-0.0259	-0.0063	-0.0562	-0.0076	0.0126
1966-69	0.0357	0.0215	0.0493	-0.0063	0.0186	-0.0364	0.0018	0.0420
1969-73	0.0128	0.0075	0.0185	-0.0109	0.0025	-0.0339	-0.0014	0.0238
1973-79	0.0233	0.0455	0.0011	0.0042	0.0439	-0.0740	0.0095	0.0191
1979-89	0.0174	0.0225	0.0101	-0.0200	-0.0153	-0.0562	-0.0116	0.0373
1989-93	0.0047	0.0152	-0.0109	0.0165	0.0272	0.0272	-0.0080	-0.0118

Washington -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0124	1.0221	1.0068	0.9746	0.9733	0.9690	0.9843	1.0388
1962	1.0686	1.0435	1.0831	0.9845	1.0229	0.9554	0.9667	1.0854
1963	1.1300	1.0472	1.1772	0.9946	1.0627	0.9422	0.9714	1.1361
1964	1.1662	1.0720	1.2197	0.9822	1.0542	0.9261	0.9617	1.1873
1965	1.1687	1.1097	1.2031	0.9867	1.0987	0.8989	0.9669	1.1846
1966	1.2523	1.1209	1.3275	0.9757	1.1055	0.8642	0.9749	1.2835
1967	1.3148	1.0816	1.4487	0.9978	1.2328	0.8078	0.9956	1.3177
1968	1.2641	1.1100	1.3521	0.9687	1.1493	0.7952	1.0071	1.3050
1969	1.2619	1.0642	1.3770	0.9638	1.1487	0.7955	0.9924	1.3093
1970	1.2920	1.1129	1.3944	0.9901	1.1908	0.8350	0.9814	1.3050
1971	1.3769	1.1238	1.5295	0.9833	1.2020	0.8093	0.9852	1.4002
1972	1.4290	1.1948	1.5675	0.9871	1.2613	0.7875	0.9784	1.4477
1973	1.3842	1.2571	1.4601	0.9913	1.2644	0.7810	0.9957	1.3963
1974	1.5029	1.2787	1.6245	1.0113	1.3065	0.7780	1.0158	1.4861
1975	1.6806	1.2525	1.8941	0.9619	1.1857	0.7666	1.0462	1.7471
1976	1.7562	1.3572	1.9547	1.0240	1.3034	0.8026	1.0683	1.7150
1977	1.6117	1.3284	1.7461	1.0023	1.2995	0.7321	1.0844	1.6080
1978	1.8399	1.4953	2.0059	1.1463	1.7340	0.7273	1.0878	1.6051
1979	1.8168	1.5567	1.9277	1.1677	1.7308	0.7636	1.1246	1.5558
1980	1.9075	1.3986	2.1912	1.1516	1.6352	0.7839	1.1655	1.6563
1981	2.0579	1.6456	2.2712	1.1997	1.7688	0.7778	1.1784	1.7154
1982	2.0120	1.6491	2.1938	1.1819	1.7676	0.7232	1.1816	1.7024
1983	2.1134	1.6258	2.3739	1.1631	1.7326	0.7554	1.1332	1.8171
1984	2.1216	1.6747	2.3559	1.1788	1.8101	0.7480	1.1304	1.7998
1985	1.9939	1.7031	2.1369	1.1250	1.6979	0.6869	1.1136	1.7724
1986	2.0182	1.7382	2.1550	1.1191	1.7280	0.6769	1.0806	1.8035
1987	2.1674	1.7655	2.3735	1.1012	1.6896	0.7147	1.0270	1.9683
1988	2.3525	1.9610	2.5466	1.1371	1.8714	0.6849	1.0100	2.0689
1989	2.3338	1.9516	2.5221	1.1735	1.8869	0.7644	1.0163	1.9888
1990	2.5695	2.1299	2.7897	1.1847	1.8914	0.7918	1.0117	2.1690
1991	2.4413	2.2002	2.5433	1.2298	2.0412	0.7873	1.0154	1.9851
1992	2.5466	2.3504	2.6229	1.2010	2.0890	0.6792	1.0186	2.1205
1993	2.8207	2.4551	2.9894	1.3055	2.3887	0.7163	1.0144	2.1606
Average annual rates of growth								
1960-93	0.0314	0.0272	0.0332	0.0081	0.0264	-0.0101	0.0004	0.0233
1960-66	0.0375	0.0190	0.0472	-0.0041	0.0167	-0.0243	-0.0042	0.0416
1966-69	0.0025	-0.0173	0.0122	-0.0041	0.0128	-0.0276	0.0059	0.0066
1969-73	0.0231	0.0416	0.0147	0.0070	0.0240	-0.0046	0.0008	0.0161
1973-79	0.0453	0.0356	0.0463	0.0273	0.0523	-0.0037	0.0203	0.0180
1979-89	0.0250	0.0226	0.0269	0.0005	0.0086	0.0001	-0.0101	0.0246
1989-93	0.0474	0.0574	0.0425	0.0267	0.0590	-0.0163	-0.0005	0.0207

West Virginia -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9774	0.9684	0.9920	0.9464	0.9427	0.9345	0.9844	1.0328
1962	0.9257	0.9276	0.9227	0.9320	0.9581	0.8954	0.9677	0.9932
1963	0.8929	0.8995	0.8828	0.8722	0.9129	0.8077	0.9552	1.0236
1964	0.8969	0.9034	0.8871	0.8462	0.9103	0.7580	0.9438	1.0600
1965	0.8652	0.8827	0.8399	0.8202	0.8512	0.7507	0.9387	1.0548
1966	0.7689	0.8457	0.6551	0.7677	0.8296	0.6658	0.9229	1.0016
1967	0.8567	0.8236	0.9100	0.7617	0.8181	0.6652	0.9112	1.1248
1968	0.8429	0.8130	0.8910	0.7590	0.8579	0.6356	0.9168	1.1105
1969	0.8239	0.7808	0.8940	0.7383	0.8201	0.6192	0.9099	1.1160
1970	0.8339	0.7838	0.9163	0.7334	0.8168	0.6150	0.9025	1.1369
1971	0.8655	0.8187	0.9420	0.7195	0.7904	0.6058	0.8922	1.2029
1972	0.8513	0.8049	0.9271	0.7179	0.8258	0.5883	0.8843	1.1859
1973	0.8619	0.7882	0.9900	0.7346	0.8417	0.6109	0.8847	1.1733
1974	0.8838	0.8328	0.9707	0.7613	0.8826	0.6324	0.9024	1.1609
1975	0.8932	0.8244	1.0070	0.7231	0.8699	0.5690	0.8742	1.2353
1976	0.8185	0.7803	0.8850	0.6948	0.8581	0.5123	0.8708	1.1781
1977	0.8129	0.8023	0.8384	0.7174	0.8033	0.6189	0.8685	1.1331
1978	0.8574	0.7871	0.9800	0.6620	0.8705	0.4371	0.8667	1.2953
1979	0.8965	0.8946	0.8935	0.6743	0.9621	0.3870	0.8880	1.3295
1980	0.9339	0.9042	0.9841	0.6787	0.9278	0.4073	0.9102	1.3761
1981	0.8990	0.8974	0.8975	0.6900	0.9217	0.4032	0.9531	1.3029
1982	0.8949	0.8473	0.9706	0.7075	0.9048	0.5315	0.9306	1.2649
1983	0.9835	1.0160	0.9273	0.6925	0.9469	0.5030	0.8798	1.4201
1984	1.0348	0.9806	1.1202	0.6816	0.9992	0.4336	0.8494	1.5182
1985	1.0419	0.9350	1.2169	0.6438	0.9782	0.3412	0.8194	1.6185
1986	1.0314	1.0423	0.9974	0.6260	0.9083	0.3598	0.8085	1.6475
1987	1.0236	1.0306	0.9968	0.6292	0.9085	0.4009	0.7932	1.6269
1988	0.9193	0.9310	0.8853	0.5888	0.8558	0.3563	0.7830	1.5612
1989	0.9945	0.9782	1.0120	0.6106	0.8262	0.4195	0.7829	1.6288
1990	1.0823	1.0685	1.0940	0.6278	0.9581	0.3779	0.7910	1.7240
1991	1.0495	1.0939	0.9550	0.6377	0.9146	0.4224	0.7989	1.6457
1992	1.1412	1.1109	1.1746	0.6394	0.8318	0.4974	0.7886	1.7848
1993	1.2392	1.2682	1.1666	0.6990	1.0359	0.5089	0.7865	1.7728
Average annual rates of growth								
1960-93	0.0065	0.0072	0.0047	-0.0109	0.0011	-0.0205	-0.0073	0.0174
1960-66	-0.0438	-0.0279	-0.0705	-0.0441	-0.0311	-0.0678	-0.0134	0.0003
1966-69	0.0230	-0.0266	0.1036	-0.0130	-0.0038	-0.0242	-0.0047	0.0360
1969-73	0.0113	0.0024	0.0255	-0.0012	0.0065	-0.0034	-0.0070	0.0125
1973-79	0.0066	0.0211	-0.0171	-0.0143	0.0223	-0.0761	0.0006	0.0208
1979-89	0.0104	0.0089	0.0125	-0.0099	-0.0152	0.0081	-0.0126	0.0203
1989-93	0.0550	0.0649	0.0355	0.0338	0.0566	0.0483	0.0011	0.0212

Wisconsin -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	1.0304	1.0139	1.0678	0.9663	0.9896	0.9362	0.9796	1.0664
1962	1.0571	1.0361	1.1046	0.9518	0.9867	0.9097	0.9676	1.1106
1963	1.0253	1.0453	0.9855	0.9261	0.9663	0.8719	0.9632	1.1071
1964	1.0426	1.0819	0.9653	0.8977	0.9493	0.8269	0.9567	1.1613
1965	1.0431	1.0361	1.0523	0.8864	0.9258	0.8237	0.9515	1.1768
1966	1.0459	1.0062	1.1210	0.8859	0.9969	0.7676	0.9537	1.1807
1967	1.0591	1.0102	1.1545	0.8694	1.0313	0.7065	0.9688	1.2182
1968	1.0841	1.0083	1.2437	0.8621	1.0440	0.6837	0.9742	1.2575
1969	1.0399	0.9752	1.1718	0.8655	1.0779	0.6728	0.9749	1.2015
1970	1.0731	1.0098	1.1998	0.8555	1.0986	0.6475	0.9707	1.2545
1971	1.1384	1.0255	1.4001	0.8467	1.0807	0.6367	0.9808	1.3445
1972	1.1081	1.0205	1.2994	0.8432	1.1158	0.6125	0.9812	1.3141
1973	1.0552	0.9750	1.2287	0.8314	1.0858	0.6043	0.9909	1.2692
1974	1.0738	1.0011	1.2290	0.8752	1.1284	0.6617	1.0118	1.2269
1975	1.1059	0.9900	1.3509	0.8833	1.1225	0.6820	1.0310	1.2521
1976	1.0591	1.0466	1.0852	0.9119	1.1939	0.6676	1.0467	1.1614
1977	1.2577	1.0761	1.6523	0.9172	1.1442	0.7625	1.0476	1.3713
1978	1.2685	1.1039	1.6179	0.9813	1.3047	0.7445	1.0721	1.2927
1979	1.3230	1.1324	1.7488	1.0363	1.4146	0.7735	1.0938	1.2766
1980	1.3573	1.1518	1.8282	1.0455	1.4347	0.7451	1.1266	1.2983
1981	1.4035	1.2013	1.8587	1.0423	1.4261	0.7262	1.1418	1.3465
1982	1.4238	1.1885	1.9721	1.0158	1.3599	0.7199	1.1309	1.4017
1983	1.3397	1.2135	1.5985	1.0322	1.5025	0.6822	1.0783	1.2979
1984	1.4362	1.2124	1.9385	1.0111	1.4220	0.6849	1.0890	1.4204
1985	1.4513	1.2578	1.8764	0.9997	1.4223	0.6548	1.0799	1.4518
1986	1.4595	1.2729	1.8668	0.9512	1.3441	0.6268	1.0338	1.5344
1987	1.4429	1.3072	1.7059	0.9329	1.3710	0.5795	0.9936	1.5466
1988	1.2203	1.2870	0.9696	0.8763	1.2296	0.5700	0.9710	1.3926
1989	1.3932	1.2289	1.6790	0.8427	1.1569	0.5600	0.9522	1.6532
1990	1.4457	1.2326	1.8609	0.9044	1.3107	0.5848	0.9551	1.5986
1991	1.4630	1.2178	1.9707	0.8676	1.3297	0.5026	0.9585	1.6863
1992	1.3621	1.2052	1.6379	0.8269	1.2729	0.4642	0.9463	1.6473
1993	1.2950	1.2082	1.3965	0.7872	1.1998	0.4403	0.9244	1.6451
Average annual rates of growth								
1960-93	0.0078	0.0057	0.0101	-0.0073	0.0055	-0.0249	-0.0024	0.0151
1960-66	0.0075	0.0010	0.0190	-0.0202	-0.0005	-0.0441	-0.0079	0.0277
1966-69	-0.0019	-0.0104	0.0148	-0.0078	0.0261	-0.0439	0.0073	0.0058
1969-73	0.0037	-0.0001	0.0119	-0.0100	0.0018	-0.0269	0.0041	0.0137
1973-79	0.0377	0.0249	0.0588	0.0367	0.0441	0.0411	0.0165	0.0010
1979-89	0.0052	0.0082	-0.0041	-0.0207	-0.0201	-0.0323	-0.0139	0.0259
1989-93	-0.0183	-0.0042	-0.0461	-0.0170	0.0091	-0.0601	-0.0074	-0.0012

Wyoming -- Farm Output, Input Use and Productivity, 1960-1993 (1960=1.000)

Year	Total farm output	Livestock and livestock products	Crops	Total farm input	Materials	Labor	Capital	Total factor productivity
1960	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1961	0.9866	0.9449	1.0765	0.9771	0.9801	0.9674	0.9865	1.0097
1962	1.0307	1.0028	1.0871	0.9859	1.0471	0.9256	0.9788	1.0455
1963	1.1671	1.1338	1.2351	1.0174	1.1222	0.9319	0.9828	1.1471
1964	1.1529	1.1368	1.1811	1.0109	1.1364	0.8978	0.9926	1.1404
1965	1.1418	1.1737	1.0655	1.0155	1.1668	0.8793	0.9972	1.1244
1966	1.1573	1.1871	1.0856	1.0068	1.1714	0.8509	1.0016	1.1495
1967	1.3289	1.2806	1.4387	1.0631	1.3351	0.8506	1.0075	1.2500
1968	1.3117	1.2699	1.4042	1.0926	1.4297	0.8360	1.0240	1.2005
1969	1.2576	1.2096	1.3694	1.0762	1.3792	0.8337	1.0236	1.1686
1970	1.2701	1.2222	1.3810	1.0690	1.3645	0.8202	1.0274	1.1880
1971	1.3852	1.3354	1.4995	1.0883	1.4462	0.8005	1.0327	1.2729
1972	1.3601	1.3116	1.4708	1.1305	1.5451	0.8305	1.0407	1.2032
1973	1.3134	1.2622	1.4336	1.1148	1.4899	0.8336	1.0434	1.1781
1974	1.3260	1.3311	1.3497	1.1102	1.4427	0.8576	1.0577	1.1944
1975	1.3716	1.2913	1.5173	1.1232	1.4455	0.8819	1.0692	1.2211
1976	1.4751	1.3847	1.6384	1.1762	1.5970	0.8625	1.0758	1.2541
1977	1.3522	1.3406	1.3646	1.1339	1.5131	0.8030	1.0827	1.1925
1978	1.4830	1.4144	1.6338	1.2471	1.8527	0.8064	1.0776	1.1891
1979	1.4186	1.3388	1.6086	1.2560	1.8387	0.8523	1.0869	1.1295
1980	1.3994	1.3119	1.6136	1.2283	1.7559	0.8175	1.0995	1.1393
1981	1.4851	1.3529	1.8096	1.1760	1.5464	0.8757	1.0969	1.2628
1982	1.4427	1.3125	1.7614	1.1913	1.5663	0.9345	1.0975	1.2110
1983	1.4596	1.3448	1.7390	1.2197	1.7064	0.9048	1.0935	1.1967
1984	1.4482	1.3369	1.7191	1.1832	1.6541	0.8397	1.0798	1.2240
1985	1.4235	1.3943	1.4988	1.1827	1.6497	0.8601	1.0690	1.2037
1986	1.5108	1.3480	1.9120	1.1006	1.4482	0.8179	1.0453	1.3728
1987	1.4905	1.3658	1.7791	1.1878	1.7015	0.8795	1.0358	1.2549
1988	1.4416	1.3792	1.5438	1.1850	1.7472	0.7991	1.0267	1.2166
1989	1.3816	1.3040	1.5252	1.1387	1.6545	0.7577	1.0140	1.2133
1990	1.4123	1.2548	1.7624	1.0352	1.4072	0.7546	0.9857	1.3643
1991	1.7462	1.5944	2.0513	1.2316	1.8842	0.8572	0.9810	1.4178
1992	1.4909	1.3904	1.6689	1.0887	1.5425	0.7712	0.9825	1.3694
1993	1.5977	1.4385	1.9402	1.0512	1.4265	0.8097	0.9820	1.5198
Average annual rates of growth								
1960-93	0.0142	0.0110	0.0201	0.0015	0.0108	-0.0064	-0.0006	0.0127
1960-66	0.0244	0.0286	0.0137	0.0011	0.0264	-0.0269	0.0003	0.0232
1966-69	0.0277	0.0063	0.0774	0.0222	0.0544	-0.0068	0.0073	0.0055
1969-73	0.0108	0.0106	0.0115	0.0088	0.0193	-0.0000	0.0048	0.0020
1973-79	0.0128	0.0098	0.0192	0.0199	0.0351	0.0037	0.0068	-0.0070
1979-89	-0.0026	-0.0026	-0.0053	-0.0098	-0.0106	-0.0118	-0.0069	0.0072
1989-93	0.0363	0.0245	0.0602	-0.0200	-0.0371	0.0166	-0.0080	0.0563