

ATICS: An Agricultural Time Series-Cross Section
Dataset

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Working Paper No. 197

National Bureau of Economic Research, Inc.
575 Technology Square
Cambridge, Massachusetts 02139

August 1977

Research supported by NSF Grant SOC 76-12347 and SOC 75-08056.
The authors are grateful for the assistance of Wayne Rasmussen
of the U.S. Department of Agriculture Economic Research Service.
Martin Fleming, Yardena Mansoor and David Cotton provided
valuable research assistance.

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I. Introduction

The ATICS dataset described in this Working Paper is based on the annual crop and livestock statistics collected by the United States Department of Agriculture. These statistics, scattered through a wide assortment of published and unpublished USDA bulletins and circulars, are extensive in their coverage of the agricultural sector, are highly disaggregated, and span a time period over one hundred years in length. Yet these rich sources have never been unified into a single compilation of data which is accessible, uniform, and machine readable. The ATICS dataset is an attempt to fill this gap.

ATICS consists of long-period annual time series, disaggregated to the state level, describing the major crops and livestock groups of the United States. The acreage harvested (and, for the years in which it was collected, acreage planted), yield, and price received by producers are included for eighteen major crops. Farm inventories and average values per head are presented for four of the most important categories of livestock. The sample period stretches from the first year in which the annual time series are available (usually 1866 or 1867) until 1969 (or the year in which the reporting of the series by the USDA was discontinued). The exact range of each series' period of coverage, along with the peculiarities of the series and any assumptions made in reconciling the basic USDA sources, are given in the detailed descriptions which follow.

In addition to the livestock and crop data, ATICS includes monthly average temperature and rainfall data for each state from the time

reliable state averages are available (usually in the 1880's or 1890's) through 1975. These will be of primary importance in making effective use of the crop and livestock data. It is hoped that in the near future it will be possible to add some data on factor prices and factor inputs to agriculture, although these data are more difficult to obtain and are not as uniform as the specific crop and livestock information.

These data were originally prepared by the authors as part of our ongoing research (both joint and separate) involving the estimation of farmers' price expectations, the contribution of economic decision-making to productivity growth and adjustment to resource constraints, the economic behavior of American livestock producers, and the political evolution of farmers' movements in the United States. The usefulness of the ATICS data in exploring these questions is apparent. (Some of the specific directions taken in this work are outlined in our initial research proposals [Parker and DeCanio 1975, 1976; Cooley 1976a].) In addition to our particular interests, however, we have been guided in the preparation of ATICS by the belief that a long-term, disaggregated, time series/cross section of this type would be a valuable resource for a variety of researchers in the fields of economics, statistics and econometrics, history, and agricultural science.

Economists will find the data of interest for examining both questions of agricultural history and problems of contemporary agricultural policy. Almost by definition, quantitative studies of long-term productivity growth in agriculture must be grounded in information of the sort contained in ATICS. The data spans a period of time during which the

agricultural sector changed from being essentially unregulated to its being highly responsive to policy inputs. The agricultural history of the United States thus provides a unique opportunity to examine the characteristics of a major sector in two very different institutional contexts. American agriculture since the New Deal provides an important arena outside the labor and financial markets for examination of both the effectiveness of government policy and the responses of producers to the government's regulatory efforts [Lucas 1976]. The hundred-year period covered by ATICS also includes major transformations in the terrain, technology, and social landscape of farming. The closing of the frontier, the shift to science-intensive techniques, and the relative depopulation of agriculture are only three of the most prominent changes which have occurred during this time.

Accessible bodies of machine-readable data such as ATICS enable the testing and utilization of data-intensive econometric techniques, particularly time-series methods for which long series of comparable observations are essential. Since agricultural statistics tend to be defined uniformly over time, they are less subject to the index number problems that typically plague long-period time series analysis of other types of economic data. The intrinsic homogeneity of American agricultural statistics has been further enhanced by the efforts of the USDA to maintain compatibility in the collection and presentation of its annual series. In addition to the advantages of comparability, the ATICS dataset is quite large, a necessary requirement for data-intensive methods.

There are a wide variety of econometric and statistical procedures which might be profitably applied to ATICS. Varying parameter estimation

[Cooley and Prescott 1973, 1976] can be used to examine the evolution of agricultural response over long periods of time and to test the rationality of farmers response to price [Cooley and DeCanio 1977]; time series analytic methods can be applied to examine the convergence of farmers expectations over time [DeCanio 1976]; methods which combine time series and cross-section information to estimate unobservables could be applied to the estimation of price expectations [Cooley 1976b, McGuire 1975]. To a certain extent the ATICS data have been compiled with many of these applications in mind, but we have tried to make the coverage extensive enough to be useful in statistical applications which we have not foreseen.

The importance of the USDA statistical series which have been incorporated into ATICS may be illustrated by contemporary scholars' increasing utilization of them. For example, the recent literature in economic history frequently refers to various subsets of the sources we have brought together in preparing ATICS. A partial list of these references includes: Fisher and Temin [1970, 1971]; Higgs [1971]; Klepper [1973]; DeCanio [1973, 1974]; James [1974]; Wright and Kunreuther [1975]; Sutch [1975]; Ransom and Sutch [1975]; Dennen [1976]; Cooley and DeCanio [1977]. Until now, scholars have been able to make use of the ATICS sources only in piecemeal fashion. Because of the number of current and potential users of this data, we believe that there is a large externality to be realized by collecting all of it into a single source.

Since the essence of scientific discovery is its unexpectedness, the ultimate value of any dataset such as ATICS will depend in part on the

unforeseen uses to which it will be put. With this in mind, we have attempted to present the data in a way most helpful to potential users. The detailed descriptions which follow provide the information needed to access the data through the TROLL system of the N.B.E.R. We do not, however, discuss the methods by which the USDA collected and computed the original series, except to warn of possible non-comparabilities. The user is urged to consult the cited USDA sources for further discussion of the assumptions and procedures used in constructing the underlying data.

II. Collection of Data for ATICS

1. Crop and Livestock Data

The primary sources for the crop and livestock series in ATICS were the USDA Statistical Bulletins. Generally, it was possible to assemble the time series from 1866 to 1969 (to 1970 for most of the livestock) using only these publications. There were instances, however, when observations were not available in the Statistical Bulletins and were obtained instead from the annual USDA publications Yearbook of Agriculture (prior to 1930) and Agricultural Statistics (thereafter). The Economic Research Service at the USDA confirmed that this procedure was acceptable. Whenever two or more sources for a series were available, the most recent one was used except in cases where units of measurement differed. For instance, recent price estimates of several grain crops are in "price per hundredweight". Since conversion of these prices to bushels

does not duplicate earlier "price per bushel" estimates, the earlier series were used.

The nature of the price series reported by the USDA changed over the period under study. Prior to about 1909 most published prices were December 1 prices. Between about 1909 and 1931 (depending on the crop), the USDA began to report prices as season average prices. These weight mid-month prices received by farmers by the percent of the crop sold in each month for the marketing season. Included in the season average price is an allowance for government purchase agreement deliveries and unredeemed loans at average loan value for those crops and years in which quantities were significant. Whenever applicable, prices include support payments but exclude payments for acreage diversion, conservation practices and soil bank programs.

Crop marketing seasons are listed herein for all crops for which they are published in the statistical bulletins. The earliest source for crop marketing seasons is Statistical Bulletin No. 115 [USDA 1952] which covers the period 1944-1948. The seasons reported herein should be considered to approximate all crop seasons prior to 1944.

2. Weather Data

The monthly average temperature and cumulative monthly precipitation data through 1930 are from [USDA 1951]. Beginning with 1931, these same statewide weather series were computed from the Divisional data recorded in [United States Department of Commerce (NOAA) 1976]. Each state encompasses up to ten Divisions, and the arithmetic mean of a state's Divisional observations was computed to arrive at that state's

average temperature and rainfall figure for each month in each year.

The USDA weather series extend through 1948, overlapping the NOAA data for a period of 18 years. It is impossible to reconstruct from the published source [USDA 1951] or its predecessor [USDA 1942] the procedure employed by the USDA in calculating state averages. To check the consistency of our averaging of Divisional observations with the unknown USDA method, we computed simple correlations between our post-1930 series and the USDA series over the period of overlap for a sample of five states (California, Georgia, Kansas, New York, and Ohio). These correlations were very high for every month in every state. The correlation coefficients averaged over .99 for both the temperature and precipitation series, never falling below .95 in either case. We concluded that the two sets of weather data are comparable, and used the NOAA data after 1930 in accordance with our general preference for the most recent data source.

III. ATICS on TROLL

The format for the name for each series in TROLL is *.*_TCR. The *'s represent the unique two letter postal service designation for each state. T is the type of series (acreage harvested, etc.) and CR is the type of crop or livestock. For example, N.E._AWH is the name of the wheat acreage planted series for Nebraska. (A complete list of codes is included on page 9).

Included for each crop and livestock type is a table showing the period for which data are available on TROLL. The third row of the crop

and livestock tables, entitled "PERIOD", refers to the period for which data are generally available. If the collected data on TROLL for a state corresponds to this period, a " + " appears in the column beside the state name. If the period of collected data differs from the general period, the start and end dates for the TROLL data are listed. If data are not published for a crop in a particular state the space is blank. If an entire series is not published, the "TROLL NAME" box is blank. Occasionally, the USDA data has blanks in the midst of a series. These are represented in the ATICS data by 0's.

The source of the series for a particular year or period can be found by determining the reference number(s) and referring to the reference number key on pages 53 to 56 of this publication.

The data were proofread observation by observation prior to entry onto TROLL. Once on TROLL, keypunch errors found in the earlier proofreading were corrected, series range was verified, and the CMS editor was used to check for data anomalies. The ATICS data includes all available USDA data, regardless of series length, so long as simultaneous acreage harvested, yield and price data are published.

CROP ABBREVIATIONS

BA Barley
BU Buckwheat
CO Cotton

CR Corn
FL Flaxseed
HA All Hay

HO Hops
OA Oats
PN Peanuts

PO Potatoes
RI Rice
RY Rye

SB Soybeans
SP Sweet Potatoes
SU Sugarbeets

TH Tame Hay
TO Tobacco
WH Wheat

SERIES TYPE--CROPS

A Acreage Planted
D Yield per Acre
P Price per Unit
Q Acreage Harvested

LIVESTOCK ABBREVIATIONS

AC All Cattle
HG Hogs
MC Milk Cattle
SS Stock Sheep and Lambs

SERIES TYPE--LIVESTOCK

N Number of Head
V Value per Head

WEATHER ABBREVIATION

WR Weather

SERIES TYPE-- WEATHER

R Precipitation
T Temperature

STATE ABBREVIATIONS

A.L. Alabama
A.R. Arkansas
A.Z. Arizona
C.A. California
C.O. Colorado
C.T. Connecticut
D.E. Delaware
F.L. Florida
G.A. Georgia
I.A. Iowa
I.D. Idaho
I.L. Illinois

I.N. Indiana
K.S. Kansas
K.Y. Kentucky
L.A. Louisiana
M.A. Massachusetts
M.D. Maryland
M.E. Maine
M.I. Michigan
M.N. Minnesota
M.O. Missouri
M.S. Mississippi
M.T. Montana

N.C. North Carolina
N.D. North Dakota
N.E. Nebraska
N.H. New Hampshire
N.J. New Jersey
N.M. New Mexico
N.V. Nevada
N.Y. New York
O.H. Ohio
O.K. Oklahoma
O.R. Oregon
P.A. Pennsylvania

R.I. Rhode Island
S.C. South Carolina
S.D. South Dakota
T.N. Tennessee
T.X. Texas
U.T. Utah
V.A. Virginia
V.T. Vermont
W.A. Washington
W.I. Wisconsin
W.V. West Virginia
W.Y. Wyoming

BARLEY

Prior to 1909, the price series for barley reflect December 1 prices.

From 1909 to 1969 the price series are season average prices.

Barley marketing seasons are as follows:

May 1 to April 30	AZ ¹ ,OK ² ,TX ²
June 1 to May 31	NJ,PA,OH,IN,IL,MO,KS,DE,MD,VA,WV,NC,SC,GA, KY,TN,MS,AR,NM and CA
July 1 to June 30	All other states

SERIES INCLUDED:

***_ABA	Acreage Planted in 1000 Acres
***_QBA	Acreage Harvested in 1000 Acres
***_DBA	Yield per Acre in Bushels
***_PBA	Price per Bushel in Cents (See above).

SOURCES:

***_ABA
***_QBA
***_DBA

***_PBA

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1866-1953	19
1954-1958	47
1959-1963	48
1964-1969	49

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1866-1953	19
1954-1958	44
1959-1963	45
1964-1969	46

1. Prior to 1952, AZ was included in the June 1 to May 31 marketing season.
2. Prior to 1964, OK and TX were included in the June 1 to May 31 marketing season.

BARLEY

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*_ABA	*.*_QBA	*.*_DBA	*.*_PBA
PERIOD	1926-1969	1866-1969	1866-1969	1866-1969
A.L.	1943-1949	1943-1949	1943-1949	1943-1949
A.R.	1934-1969	1934-1969	1934-1969	1934-1969
A.Z.	+	1882-1969	1882-1969	1882-1969
C.A.	+	1867-1969	1867-1969	1867-1969
C.O.	1924-1969	1879-1969	1879-1969	1879-1969
C.T.		1866-1889	1866-1889	1866-1889
D.E.	1934-1969	1934-1969	1934-1969	1934-1969
F.L.				
G.A.	1939-1969	1939-1969	1939-1969	1939-1969
I.A.	+	+	+	+
I.D.	+	1882-1969	1882-1969	1882-1969
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	+	+	+
K.Y.	+	+	+	+
L.A.				
M.A.		1866-1899	1866-1899	1866-1899
M.D.	+	1889-1969	1889-1969	1889-1969
M.E.	1926-1959	1866-1959	1866-1959	1866-1959
M.I.	+	+	+	+
M.N.	+	+	+	+
M.O.	+	+	+	+
M.S.	1939-1959	1939-1959	1939-1959	1939-1959
M.T.	+	1882-1969	1882-1969	1882-1969
N.C.	+	1924-1969	1924-1969	1924-1969
N.D.	+	1882-1969	1882-1969	1882-1969
N.E.	+	+	+	+
N.H.		1866-1918	1866-1918	1866-1918
N.J.	+	1919-1969	1919-1969	1919-1969
N.M.	+	1882-1969	1882-1969	1882-1969
N.V.	+	1870-1969	1870-1969	1870-1969
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	+	1899-1969	1899-1969	1899-1969
O.R.	+	1869-1969	1869-1969	1869-1969
P.A.	+	+	+	+
R.I.		1866-1889	1866-1889	1866-1889
S.C.	1929-1969	1929-1969	1929-1969	1929-1969
S.D.	+	1882-1969	1882-1969	1882-1969
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	+	1882-1969	1882-1969	1882-1969
V.A.	+	1879-1969	1879-1969	1879-1969
V.T.	1926-1952	1866-1952	1866-1952	1866-1952
W.A.	+	1882-1969	1882-1969	1882-1969
W.I.	+	+	+	+
W.V.	1929-1969	1929-1969	1929-1969	1929-1969
W.Y.	1924-1969	1899-1969	1899-1969	1899-1969

BUCKWHEAT

Prior to 1931, buckwheat price series are based on December 1 prices. Thereafter, these series are season average prices.

For all states the crop marketing season is September 1 to August 31.

SERIES INCLUDED:

- *.*_ABU Acreage Planted in 1000 Acres
- *.*_QBU Acreage Harvested in 1000 Acres
- *.*_DBU Yield per Acre in Bushels
- *.*_PBU Price per Bushel in Cents (See above).

SOURCES:

- *.*_ABU
- *.*_QBU
- *.*_DBU

YEARS	REFERENCE NUMBER
1866-1953	27
1954-1958	47
1959-1964	48

*.*_PBU

YEARS	REFERENCE NUMBER
1866-1925	32, 33, 34, 35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1964	45

BUCKWHEAT

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	**. *_ABU	**. *_QBU	**. *_DBU	**. *_PBU
PERIOD	1929-1964	1866-1964	1866-1964	1866-1964
A.L.				
A.R.				
A.Z.				
C.A.				
C.O.				
C.T.		1866-1918	1866-1918	1866-1918
D.E.	1929-1938	1896-1938	1896-1938	1896-1938
F.L.				
G.A.				
I.A.	1929-1947	1866-1947	1866-1947	1866-1947
I.D.				
I.L.	1929-1952	1866-1952	1866-1952	1866-1952
I.N.	1929-1954	1866-1954	1866-1954	1866-1954
K.S.				
K.Y.	1929-1947	1919-1947	1919-1947	1919-1947
L.A.				
M.A.		1866-1918	1866-1918	1866-1918
M.D.	1929-1954	1866-1954	1866-1954	1866-1954
M.E.	1929-1954	1866-1954	1866-1954	1866-1954
M.I.	+	+	+	+
M.N.	1929-1959	1866-1959	1866-1959	1867-1959
M.O.	1929-1947	1866-1947	1866-1947	1866-1947
M.S.				
M.T.				
N.C.	1929-1947	1866-1947	1866-1947	1866-1947
N.D.	1929-1951	1919-1951	1919-1951	1924-1951
N.E.	1929-1933	1867-1933	1867-1933	1869-1933
N.H.		1866-1918	1866-1918	1866-1918
N.J.	1929-1938	1866-1938	1866-1938	1866-1938
N.M.				
N.V.				
N.Y.	+	+	+	+
O.H.	1929-1959	1866-1959	1866-1959	1866-1959
O.K.				
O.R.				
P.A.	+	+	+	+
R.I.				
S.C.				
S.D.	1929-1951	1919-1951	1919-1951	1921-1951
T.N.	1929-1959	1866-1959	1866-1959	1866-1959
T.X.				
U.T.				
V.A.	1929-1951	1866-1951	1866-1951	1866-1951
V.T.	1929-1947	1866-1947	1866-1947	1866-1947
W.A.				
W.I.	+	+	+	+
W.V.	1929-1959	1866-1959	1866-1959	1867-1959
W.Y.				

COTTON

The type of cotton described by the cotton series is Upland Cotton for all states except Texas, California, New Mexico and Arizona where both Upland and American-Prima (or American Egyptian) are produced. The series for these four states represent the aggregate of the two varieties of cotton.

The price series reflect December 1 prices for 1876 to 1908 and season average price for 1909 to 1969. For the latter years, the cotton marketing season is from August 1 to July 31 for all states except Texas where July sales are included in August at August prices.

SERIES INCLUDED:

- ***_ACO Acreage in cultivation July 1 in 1000 acres
- ***_QCO Acreage Harvested in 1000 acres
- ***_DCO Yield per Harvested Acre in Bushels
- ***_PCO Price per Pound in Cents (See above).

SOURCES:

- ***_ACO
- ***_QCO
- ***_DCO

YEARS	REFERENCE NUMBER
1866-1952	17
1953-1969	43

- ***_PCO

YEARS	REFERENCE NUMBER(S)
1876-1908	32, 33, 34, 35
1909-1952	17
1953-1969	43

COTTON

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	**. _ACO	**. _QCO	**. _DCO	**. _PCO
PERIOD	1909-1969	1866-1969	1866-1969	1876-1969
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	1917-1969	1917-1969	1917-1969	1917-1969
C.A.	1910-1969	1910-1969	1910-1969	1910-1969
C.O.				
C.T.				
D.E.				
F.L.	+	+	+	+
G.A.	+	+	+	+
I.A.				
I.D.				
I.L.	1928-1969	1928-1969	1928-1969	1928-1969
I.N.				
K.S.	1928-1952	1928-1952	1928-1952	1928-1952
K.Y.	1928-1969	1928-1969	1928-1969	1928-1969
L.A.	+	+	+	+
M.A.				
M.D.				
M.E.				
M.I.				
M.N.				
M.O.	+	1894-1969	1894-1969	1882-1969
M.S.	+	+	+	+
M.T.				
N.C.	+	+	+	+
N.D.				
N.E.				
N.H.				
N.J.				
N.M.	1922-1969	1922-1969	1922-1969	1922-1969
N.V.	1948-1969	1948-1969	1948-1969	1948-1969
N.Y.				
O.H.				
O.K.	+	1894-1969	1894-1969	1895-1969
O.R.				
P.A.				
R.I.				
S.C.	+	+	+	+
S.D.				
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.				
V.A.	+	1879-1969	1879-1969	1882-1969
V.T.				
W.A.				
W.I.				
W.V.				
W.Y.				

CORN

The corn series describe corn grown for all purposes. This includes corn for grain, silage and forage. Beginning in 1960, the USDA ceased reporting yield and price statistics for the "all corn" series. Thus, for 1961 to 1969 only planted and harvested acreage data are available.

The price series for corn reflect December 1 prices for 1866 to 1930 and season average prices thereafter. The marketing seasons for corn are as follows:

August 1 to July 31	TX,OK ¹ ,LA ²
September 1 to August 31 ³	FL,MO,KS,VA,NC,SC,GA,AL,MS,AR, NM,AZ,CA,DE ⁴ ,MD ⁴ ,TN ⁴
October 1 to September 30	All other states

SERIES INCLUDED:

***_ACR	Acreage Planted in 1000 Acres
***_QCR	Acreage Harvested in 1000 Acres
***_DCR	Yield per Acre in Bushels
***_PCR	Price per Bushel in Cents (See above).

SOURCES:

***_ACR	
***_QCR	
***_DCR	

***_PCR

YEARS	REFERENCE NUMBER
1866-1929	36
1930-1948	12
1949-1953	21
1954-1958	47
1959-1963	48
1964-1969	49

YEARS	REFERENCE NUMBER
1866-1925	32,33,34,35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1963	45
1964-1969	46

1. Prior to 1954, OK was included in the Sept 1 - Aug 31 marketing season.
2. Prior to 1964, LA was included in the Sept 1 - Aug 31 marketing season.
3. Prior to 1954, MO,KS,VA,NC,SC,GA,AL,MS,AR,NM,AZ and CA were included in the Oct 1 - Sept 30 marketing season.
4. Prior to 1964, DE,MD and TN were included in the Oct 1 - Sept 30 marketing season.

CORN

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*._ACR	*.*._QCR	*.*._DCR	*.*._PCR
PERIOD	1926-1969	1866-1969	1866-1960	1866-1960
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	+	1882-1969	1882-1960	1882-1960
C.A.	+	+	+	1868-1960
C.O.	1924-1969	1879-1969	1879-1960	1880-1960
C.T.	+	+	+	+
D.E.	+	+	+	+
F.L.	+	+	+	+
G.A.	+	+	+	+
I.A.	+	+	+	+
I.D.	+	1892-1969	1892-1960	1882-1960
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	+	+	+
K.Y.	+	+	+	+
L.A.	+	+	+	+
M.A.	+	+	+	+
M.D.	+	+	+	+
M.E.	+	+	+	+
M.I.	+	+	+	+
M.N.	+	+	+	1867-1960
M.O.	+	+	+	+
M.S.	+	+	+	+
M.T.	+	1892-1969	1892-1960	1882-1960
N.C.	+	+	+	+
N.D.	+	1889-1969	1889-1960	1882-1960
N.E.	+	+	+	+
N.H.	+	+	+	+
N.J.	+	+	+	+
N.M.	+	1882-1969	1882-1960	1882-1960
N.V.	+	1909-1969	1909-1960	1870-1960
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	+	1899-1969	1899-1960	1899-1960
O.R.	+	1869-1969	1869-1960	1869-1960
P.A.	+	+	+	+
R.I.	+	+	+	+
S.C.	+	+	+	+
S.D.	+	1882-1969	1882-1960	1882-1960
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	+	1882-1969	1882-1960	1882-1960
V.A.	+	+	+	+
V.T.	+	+	+	+
W.A.	+	1882-1969	1882-1960	1882-1960
W.I.	+	+	+	+
W.V.	+	+	+	1867-1960
W.Y.	1924-1969	1889-1969	1889-1960	1892-1960

FLAXSEED

The price series for flaxseed are based on December 1 prices from 1902 to 1930 and season average prices thereafter. The crop marketing seasons used in the computation of these prices are as follows:

May 1 to April 30 TX¹.
June 1 to May 31 CA².
July 1 to June 30³. All other states

SERIES INCLUDED:

***_AFL Acreage Planted in 1000 Acres
***_QFL Acreage Harvested in 1000 Acres
***_DFL Yield per Acre in Bushels
***_PFL Price per Bushel in Cents

SOURCES:

***_AFL
***_QFL
***_DFL

***_PFL

YEARS	REFERENCE NUMBER
1866-1953	22
1954-1958	47
1959-1963	48
1964-1969	49

YEARS	REFERENCE NUMBER
1866-1925	32, 33, 34, 35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1963	45
1964-1969	46

1. From 1954 to 1963 TX was included in the April 1 - March 31 marketing season.
2. Prior to 1964, CA was included in the January 1 - December 31 marketing season.
3. Prior to 1950, KS and OK were included in the June 1 to May 31 marketing season.
From 1949 to 1953 AZ was included in the May 1 to April 30 marketing season and from 1954-1963 in the April 1 to March 31 season.

FLAXSEED

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	**. *_AFL	**. *_QFL	**. *_DFL	**. *_PFL
PERIOD	1920-1969	1889-1969	1889-1969	1902-1969
A.L.				
A.R.				
A.Z.	1939-1960	1939-1960	1939-1960	1939-1960
C.A.	1934-1969	1934-1969	1934-1969	1934-1969
C.O.				
C.T.				
D.E.				
F.L.				
G.A.				
I.A.	+	+	+	+
I.D.	1934-1947	1934-1947	1934-1947	1938-1947
I.L.	1940-1950	1940-1950	1940-1950	1940-1950
I.N.				
K.S.	1920-1956	1889-1956	1889-1956	1902-1956
K.Y.				
L.A.				
M.A.				
M.D.				
M.E.				
M.I.	1929-1953	1929-1953	1929-1953	1935-1953
M.N.	+	+	+	+
M.O.	1924-1951	1889-1951	1889-1951	1902-1951
M.S.				
M.T.	+	1902-1969	1902-1969	+
N.C.				
N.D.	+	+	+	+
N.E.	1920-1945	1889-1945	1889-1945	1902-1945
N.H.				
N.J.				
N.M.				
N.V.				
N.Y.				
O.H.				
O.K.	1936-1952	1936-1952	1936-1952	1939-1952
O.R.	1934-1950	1934-1950	1934-1950	1938-1950
P.A.				
R.I.				
S.C.				
S.D.	+	+	+	+
T.N.				
T.X.	1939-1969	1939-1969	1939-1969	1939-1969
U.T.				
V.A.				
V.T.				
W.A.	1934-1951	1934-1951	1934-1951	1938-1951
W.I.	1920-1965	1897-1965	1897-1965	1902-1965
W.V.				
W.Y.	1920-1951	1919-1951	1919-1951	1919-1951

HAY

The hay series are the aggregate of tame hay and wild hay. Since wild hay statistics are available only from 1909 on, the hay series commence then. (Tame hay series are available on TROLL from 1866 to 1929. See the Tame Hay section of this document). Unfortunately, no single hay series covers the entire period from 1866 to 1969.

The price series for hay are season average prices computed on the following marketing seasons:

May 1 to April 30¹. TX,NM,AZ,CA,KS,SC,GA,FL,AL,MS,AR,LA,OK,
UT,NV,MO,VA,NC,KY,TN

June 1 to May 31 All other states

SERIES INCLUDED:

***_QHA Acreage Harvested in 1000 Acres

***_DHA Yield per Acre in Tons

***_PHA Price per Ton in Cents

SOURCES:

***_QHA
***_DHA

***_PHA

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1909-1953	23
1954-1958	47
1959-1963	48
1964-1969	49

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1909-1953	23
1954-1958	44
1959-1963	45
1964-1969	46

1. Prior to 1945 KS,SC,GA,FL,AL,MS,AR,LA and OK were included in the June 1 to May 31 marketing season and all other states (except TX,NM,AZ and CA) were included in the July 1 to June 30 marketing season.

HAY

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME		**._QHA	**._DHA	**._PHA
PERIOD		1909-1969	1909-1969	1909-1969
A.L.		+	+	+
A.R.		+	+	+
A.Z.		+	+	+
C.A.		+	+	+
C.O.		+	+	+
C.T.		+	+	+
D.E.		+	+	+
F.L.		+	+	+
G.A.		+	+	+
I.A.		+	+	+
I.D.		+	+	+
I.L.		+	+	+
I.N.		+	+	+
K.S.		+	+	+
K.Y.		+	+	+
L.A.		+	+	+
M.A.		+	+	+
M.D.		+	+	+
M.E.		+	+	+
M.I.		+	+	+
M.N.		+	+	+
M.O.		+	+	+
M.S.		+	+	+
M.T.		+	+	+
N.C.		+	+	+
N.D.		+	+	+
N.E.		+	+	+
N.H.		+	+	+
N.J.		+	+	+
N.M.		+	+	+
N.V.		+	+	+
N.Y.		+	+	+
O.H.		+	+	+
O.K.		+	+	+
O.R.		+	+	+
P.A.		+	+	+
R.I.		+	+	+
S.C.		+	+	+
S.D.		+	+	+
T.N.		+	+	+
T.X.		+	+	+
U.T.		+	+	+
V.A.		+	+	+
V.T.		+	+	+
W.A.		+	+	+
W.I.		+	+	+
W.V.		+	+	+
W.Y.		+	+	+

HOPS

The price series for hops are December 1 prices from 1915 to 1931 and season average prices thereafter. The crop marketing season on which these price series are computed is September 1 to August 31 for all states.

SERIES INCLUDED:

- *.*_QHO Acreage Harvested in 1000 Acres
- *.*_DHO Yield per Acre in Pounds
- *.*_PHO Price per Pound in Cents (See above).

SOURCE:

All Series

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1915-1969	41

HOPS

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME		**. _QHO	**. _DHO	**. _PHO
PERIOD		1915-1969	1915-1969	1915-1969
A.L.				
A.R.				
A.Z.				
C.A.		+	+	+
C.O.				
C.T.				
D.E.				
F.L.				
G.A.				
I.A.				
I.D.		1944-1969	1944-1969	1944-1969
I.L.				
I.N.				
K.S.				
K.Y.				
L.A.				
M.A.				
M.D.				
M.E.				
M.I.				
M.N.				
M.O.				
M.S.				
M.T.				
N.C.				
N.D.				
N.E.				
N.H.				
N.J.				
N.M.				
N.V.				
N.Y.		1915-1920	1915-1920	1915-1920
O.H.				
O.K.				
O.R.		+	+	+
P.A.				
R.I.				
S.C.				
S.D.				
T.N.				
T.X.				
U.T.				
V.A.				
V.T.				
W.A.		+	+	+
W.I.				
W.V.				
W.Y.				

LIVESTOCK

Both the numbers and average value per head of all the livestock categories are as of January 1 in each year. The Department of Agriculture has endeavored to maintain comparability in the livestock categories so no adjustments were made to the figures given in the references listed. However, it should be noted that "the average value per head for the years before 1920...are probably not entirely comparable with those for subsequent years. In the more recent years, the average value for each species for each state has been computed by combining the reported values of different age or sex groups in each species according to the estimated proportion of such groups in the total. In the earlier years, the values were averages of the reported average values of a species as a whole" [30, p. 18].

The categories "All Cattle" and "Hogs" include all animals of those species, respectively. "Milk Cows" are defined as cows and heifers two years old and over which are kept for milk. "Stock Sheep" are flocks kept for production of lambs and wool, and exclude sheep and lambs on feed for market.

Beginning in 1970, the Department of Agriculture's hog inventory has been as of December 1 rather than January 1, so the hog series extend only through 1969 in order to maintain comparability.

SERIES INCLUDED:

.._NAC Number of All Cattle in 1000 Head
.._VAC Average Value per Head of All Cattle in Dollars

.._NMC Number of Milk Cows in 1000 Head
.._VMC Average Value per Head of Milk Cows in Dollars

.._NHG Number of Hogs in 1000 Head
.._VHG Average Value per Head of Hogs in Dollars

.._NSS Number of Stock Sheep in 1000 Head
.._VSS Average Value per Head of Stock Sheep in Dollars

SOURCES:

All Series

Years	Reference Number
1867-1919	30
1920-1939	31
1940-1954	24
1955-1960	25
1961-1965	51

Hogs

1966-1969	50
-----------	----

Stock Sheep

1966-1970	55
-----------	----

All Cattle and Milk Cows

1966-1970	42
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ALL CATTLE

MILK COWS

SERIES	NUMBER	PRICE	NUMBER	PRICE
TROLL NAME	**.*_NAC	**.*_VAC	**.*_NMC	**.*_VMC
PERIOD	1867-1970	1867-1970	1867-1970	1867-1970
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	+	+	1870-1970	1870-1970
C.A.	+	+	+	+
C.O.	+	+	+	+
C.T.	+	+	+	+
D.E.	+	+	+	+
F.L.	+	+	+	+
G.A.	+	+	+	+
I.A.	+	+	+	+
I.D.	+	+	+	+
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	+	+	+
K.Y.	+	+	+	+
L.A.	+	+	+	+
M.A.	+	+	+	+
M.D.	+	+	+	+
M.E.	+	+	+	+
M.I.	+	+	+	+
M.N.	+	+	+	+
M.O.	+	+	+	+
M.S.	+	+	+	+
M.T.	+	+	+	+
N.C.	+	+	+	+
N.D.	1870-1970	1870-1970	1870-1970	1870-1970
N.E.	+	+	+	+
N.H.	+	+	+	+
N.J.	+	+	+	+
N.M.	+	+	+	+
N.V.	+	+	+	+
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	+	+	1880-1970	1880-1970
O.R.	+	+	+	+
P.A.	+	+	+	+
R.I.	+	+	+	+
S.C.	+	+	+	+
S.D.	+	+	+	+
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	+	+	+	+
V.A.	+	+	+	+
V.T.	+	+	+	+
W.A.	+	+	+	+
W.I.	+	+	+	+
W.V.	+	+	+	+
W.Y.	+	+	1870-1970	1870-1970

HOGS

STOCK SHEEP

SERIES	NUMBER	PRICE	NUMBER	PRICE
TROLL NAME	*.*_NHG	*.*_VHG	*.*_NSS	*.*_VSS
PERIOD	1867-1969	1867-1969	1867-1970	1867-1970
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	1870-1969	1870-1969	+	+
C.A.	+	+	+	+
C.O.	+	+	+	+
C.T.	+	+	+	+
D.E.	+	+	+	+
F.L.	+	+	+	+
G.A.	+	+	+	+
I.A.	+	+	+	+
I.D.	+	+	+	+
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	+	+	+
K.Y.	+	+	+	+
L.A.	+	+	+	+
M.A.	+	+	+	+
M.D.	+	+	+	+
M.E.	+	+	+	+
M.I.	+	+	+	+
M.N.	+	+	+	+
M.O.	+	+	+	+
M.S.	+	+	+	+
M.T.	+	+	+	+
N.C.	+	+	+	+
N.D.	1870-1969	1870-1969	1877-1970	1877-1970
N.E.	+	+	+	+
N.H.	+	+	+	+
N.J.	+	+	+	+
N.M.	+	+	+	+
N.V.	+	+	+	+
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	1883-1969	1883-1969	+	+
O.R.	+	+	+	+
P.A.	+	+	+	+
R.I.	+	+	+	+
S.C.	+	+	+	+
S.D.	1870-1969	1870-1969	+	+
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	+	+	+	+
V.A.	+	+	+	+
V.T.	+	+	+	+
W.A.	+	+	+	+
W.I.	+	+	+	+
W.V.	+	+	+	+
W.Y.	1876-1969	1876-1969	+	+

OATS

Prior to 1949, both acreage planted and acreage harvested series include oats grown for all purposes. Beginning in 1949, acreage planted includes oats for all purposes while acreage harvested includes only threshed or combined oats.^{1.}

The price series for oats are based on December 1 prices from 1866 to 1930 and season average prices thereafter. Marketing seasons for oats are as follows:

May 1 to April 30 AZ², GA³, FL³, LA³, OK³, TX³
 June 1 to May 31 KS, NC, SC, TN, AL, MS, AR, NM, CA, VA⁴, KY⁴, MO⁵, DE⁶, MD⁶
 July 1 to June 30 All other states

SERIES INCLUDED:

***_AOA Acreage Planted in 1000 Acres
 ***_QOA Acreage Harvested in 1000 Acres
 ***_DOA Yield per Acre in Bushels
 ***_POA Price per Bushel in Cents (See above).

SOURCES:

***_AOA
 ***_QOA
 ***_DOA

***_POA

YEARS	REFERENCE NUMBER
1866-1929	37
1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	39
1949-1953	21
1954-1958	47
1959-1963	48
1964-1969	49

YEARS	REFERENCE NUMBER
1866-1925	32, 33, 34, 35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1963	45
1964-1969	46

1. See page 13 of reference number 21.
2. Prior to 1954, AZ was included in the June 1 - May 31 marketing season
3. Prior to 1964, GA, FL, LA, OK and TX were included in the June 1 - May 31 marketing season.
4. Prior to 1949, VA and KY were included in the July 1 - June 30 marketing season.
5. Prior to 1952, MO was included in the July 1 - June 30 marketing season.
6. Prior to 1964, DE and MD were included in the July 1 - June 30 marketing season.

OATS

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*_AOA	*.*_QOA	*.*_DOA	*.*_POA
PERIOD	1941-1969	1866-1969	1866-1969	1866-1969
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	+	1899-1966	1899-1966	1901-1966
C.A.	+	1867-1969	1867-1969	1868-1969
C.O.	+	1879-1969	1879-1969	1880-1969
C.T.	1941-1959	1866-1959	1866-1959	1866-1959
D.E.	+	+	+	+
F.L.	+	+	+	+
G.A.	+	+	+	+
I.A.	+	+	+	+
I.D.	+	1882-1969	1882-1969	1882-1969
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	+	+	+
K.Y.	+	+	+	+
L.A.	+	+	+	1867-1969
M.A.	1941-1959	1866-1959	1866-1959	1866-1959
M.D.	+	+	+	+
M.E.	+	+	+	+
M.I.	+	+	+	+
M.N.	+	+	+	1867-1969
M.O.	+	+	+	+
M.S.	+	+	+	+
M.T.	+	1882-1969	1882-1969	1882-1969
N.C.	+	+	+	+
N.D.	+	1882-1969	1882-1969	1882-1969
N.E.	+	+	+	+
N.H.	1941-1959	1866-1959	1866-1959	1866-1959
N.J.	+	+	+	+
N.M.	1941-1966	1882-1966	1882-1966	1882-1966
N.V.	+	1899-1969	1899-1969	1870-1969
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	+	1897-1969	1897-1969	1901-1969
O.R.	+	1869-1969	1869-1969	1869-1969
P.A.	+	+	+	+
R.I.	1941-1960	1866-1960	1866-1960	1866-1953
S.C.	+	+	+	+
S.D.	+	1882-1969	1882-1969	1882-1969
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	+	1882-1969	1882-1969	1882-1969
V.A.	+	+	+	+
V.T.	+	+	+	+
W.A.	+	1882-1969	1882-1969	1882-1969
W.I.	+	+	+	+
W.V.	+	+	+	1867-1969
W.Y.	+	1889-1969	1889-1969	1882-1969

PEANUTS

The peanut series describe peanuts which are grown for nuts. (Additionally, peanuts are grown for forage and soil improvement).

The price series are based on December 15 prices from 1910 to 1925, December 1 prices from 1926 to 1930 and season average prices thereafter. The crop marketing seasons are as follows:

September 1 to August 31	VA,NC,TN
August 1 to July 31	SC,MS,LA,GA,FL,AL
July 1 to June 30	AR,TX,OK,NM,LA

SERIES INCLUDED:

- *.*_APN Acreage Planted in 1000 Acres
- *.*_QPN Acreage Harvested in 1000 Acres
- *.*_DPN Yield per Acre in Pounds
- *.*_PPN Price in Cents per Pound (See above).

SOURCES:

- *.*_APN
- *.*_QPN
- *.*_DPN

*.*_PPN

YEARS	REFERENCE NUMBER
1909-1948	12
1949-1953	21
1954-1958	47
1959-1963	48
1964-1969	49

YEARS	REFERENCE NUMBER
1910-1925	32,33,34,35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1963	45
1964-1969	46

PEANUTS

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	***_APN	***_QPN	***_DPN	***_PPN
PERIOD	1964-1969	1909-1969	1909-1969	1910-1969
A.L.	+	+	+	1910-1959
A.R.		1909-1959	1909-1959	1939-1959
A.Z.				
C.A.				
C.O.				
C.T.				
D.E.				
F.L.	+	+	+	+
G.A.	+	+	+	+
I.A.				
I.D.				
I.L.				
I.N.				
K.S.				
K.Y.				
L.A.		1909-1952	1909-1952	1910-1952
M.A.				
M.D.				
M.E.				
M.I.				
M.N.				
M.O.				
M.S.	+	+	+	+
M.T.				
N.C.	+	+	+	+
N.D.				
N.E.				
N.H.				
N.J.				
N.M.	+	1939-1969	1939-1969	1939-1969
N.V.				
N.Y.				
O.H.				
O.K.	+	+	+	+
O.R.				
P.A.				
R.I.				
S.C.	+	+	+	+
S.D.				
T.N.		1909-1959	1909-1959	1910-1959
T.X.	+	+	+	+
U.T.				
V.A.	+	+	+	+
V.T.				
W.A.				
W.I.				
W.V.				
W.Y.				

POTATOES

The yield and price series for potatoes are in hundredweight computed on the basis of 60 lb. per bushel.

The price series are December 1 prices for 1866 through 1908 and season average prices thereafter. Since there are six seasonal groups for potatoes, the crop year varies significantly from state to state. The seasonal groups are as follows:

SEASON

Winter.....	January through March
Early Spring.....	April through first half of May
Late Spring.....	Second half of May and June
Early Summer.....	July and first half of August
Late Summer.....	Second half of August and September
Fall.....	October through December

SEASONAL GROUPS BY STATES

AL..Late Spring	MA..Late Summer, Fall	OH..Late Summer, Fall
AR..Late Spring	MD..Early Summer, Late Summer	OK..Late Spring
AZ..Late Spring	ME..Fall	OR..Late Summer, Fall
CA..Winter, Late Spring, Early Summer, Late Summer, Fall	MI..Late Summer, Fall	PA..Late Summer, Fall
CO..Late Summer, Fall	MN..Late Summer, Fall	RI..Late Summer, Fall
CT..Fall	MO..Early Summer	SC..Late Spring
DE..Early Summer	MS..Late Spring	SD..Fall
FL..Winter, Early Spring	MT..Fall	TN..Early Summer
GA..Late Spring, Early Summer	NC..Late Spring, Early Summer, Late Summer	TX..Early Spring, Late Spring, Early Summer
IA..Fall	ND..Fall	UT..Fall
ID..Late Summer, Fall	NE..Late Summer, Fall	VA..Early Summer, Late Summer
IL..Late Summer	NH..Fall	VT..Fall
IN..Late Summer, Fall	NJ..Late Summer	WA..Late Summer, Fall
KS..Early Summer	NM..Late Summer	WI..Late Summer, Fall
KY..Early Summer	NV..Fall	WV..Late Summer
LA..Late Spring	NY..Late Summer, Fall	WY..Late Summer, Fall

The marketing season approximates the harvesting season except for the crop harvested in the fall season where marketing from storage extends into the first six months of the following year.

SERIES INCLUDED:

***_APO Acreage Planted in 1000 Acres
 ***_QPO Acreage Harvested in 1000 Acres
 ***_DPO Yield per Acre in Hundredweight
 ***_PPO Price per Hundredweight in Cents
 (See above).

SOURCES:

All Series

YEARS	REFERENCE NUMBER
1866-1953	26
1954-1958	52
1959-1963	53
1964-1969	54

POTATOES

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*._APO	*.*._QPO	*.*._DPO	*.*._PPO
PERIOD	1929-1969	1866-1969	1866-1969	1866-1969
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	+	1899-1969	1899-1969	1899-1969
C.A.	+	1867-1969	1867-1969	1867-1969
C.O.	+	1879-1969	1879-1969	1879-1969
C.T.	+	+	+	+
D.E.	+	+	+	+
F.L.	+	1881-1969	1881-1969	1881-1969
G.A.	1929-1965	1866-1965	1866-1965	1866-1965
I.A.	+	+	+	+
I.D.	+	1882-1969	1882-1969	1882-1969
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	+	+	+
K.Y.	+	+	+	+
L.A.	+	+	+	+
M.A.	+	+	+	+
M.D.	+	+	+	+
M.E.	+	+	+	+
M.I.	+	+	+	+
M.N.	+	+	+	+
M.O.	+	+	+	+
M.S.	+	+	+	+
M.T.	+	1882-1969	1882-1969	1882-1969
N.C.	+	+	+	+
N.D.	+	1882-1969	1882-1969	1882-1969
N.E.	+	+	+	+
N.H.	+	+	+	+
N.J.	+	+	+	+
N.M.	+	1885-1969	1885-1969	1885-1969
N.V.	+	1879-1968	1879-1968	1879-1968
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	1929-1968	1896-1968	1896-1968	1896-1968
O.R.	+	1869-1969	1869-1969	1869-1969
P.A.	+	+	+	+
R.I.	+	+	+	+
S.C.	1929-1968	1866-1968	1866-1968	1866-1968
S.D.	+	1882-1969	1882-1969	1882-1969
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	+	1882-1969	1882-1969	1882-1969
V.A.	+	+	+	+
V.T.	+	+	+	+
W.A.	+	1882-1969	1882-1969	1882-1969
W.I.	+	+	+	+
W.V.	+	+	+	+
W.Y.	+	1882-1969	1882-1969	1882-1969

RICE

The price series for rice are based on December 1 prices for 1904 and 1905. Thereafter, they are season average prices computed on the following crop marketing seasons:

July 1 to June 30¹. LA, TX
August 1 to July 31 MO, MS, AR
October 1 to September 30 CA

SERIES INCLUDED:

***_ARI Acreage Planted in 1000 Acres
***_QRI Acreage Harvested in 1000 Acres
***_DRI Yield per Acre in Pounds
***_PRI Price per 100 Pounds in Cents

SOURCES:

***_ARI
***_QRI
***_DRI

***_PRI

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1895-1953	27
1954-1958	47
1959-1963	48
1964-1969	49

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1904-1953	27
1954-1958	44
1959-1963	45
1964-1969	46

1. Prior to 1964, LA and TX were included in the August 1 to July 31 marketing season.

RICE

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	**. _ARI	**. _QRI	**. _DRI	**. _PRI
PERIOD	1929-1969	1895-1969	1895-1969	1904-1969
A.L.				
A.R.	+	1905-1969	1905-1969	1905-1969
A.Z.				
C.A.	+	1912-1969	1912-1969	1912-1969
C.O.				
C.T.				
D.E.				
F.L.		1895-1919	1895-1919	1904-1919
G.A.		1895-1919	1895-1919	1904-1919
I.A.				
I.D.				
I.L.				
I.N.				
K.S.				
K.Y.				
L.A.	+	+	+	+
M.A.				
M.D.				
M.E.				
M.I.				
M.N.				
M.O.	1949-1969	1949-1969	1949-1969	1949-1969
M.S.	1949-1969	1949-1969	1949-1969	1949-1969
M.T.				
N.C.		1895-1909	1895-1909	1904-1909
N.D.				
N.E.				
N.H.				
N.J.				
N.M.				
N.V.				
N.Y.				
O.H.				
O.K.				
O.R.				
P.A.				
R.I.				
S.C.		1895-1919	1895-1919	1904-1919
S.D.				
T.N.				
T.X.	+	+	+	+
U.T.				
V.A.				
V.T.				
W.A.				
W.I.				
W.V.				
W.Y.				

RYE

The price series for rye reflect December 1 prices from 1866 to 1930 and season average prices thereafter. Crop marketing seasons, on which season average prices are computed, are as follows:

May 1 to April 30 OK¹,TX¹
June 1 to May 31 KS,NC,SC,GA,TN,NM,CA,MO²,VA²,KY²,IL³
July 1 to June 30 All other states

SERIES INCLUDED:

***_ARY Acreage Planted in 1000 Acres
***_QRY Acreage Harvested in 1000 Acres
***_DRY Yield per Acre in Bushels
***_PRY Price per Bushel in Cents (See above).

SOURCES:

***_ARY
***_QRY
***_DRY

***_PRY

YEARS	REFERENCE NUMBER
1866-1953	22
1954-1958	47
1959-1963	48
1964-1969	49

YEARS	REFERENCE NUMBER
1866-1925	32,33,34,35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1939	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1963	45
1964-1969	46

1. Prior to 1964, OK and TX were included in the June 1 - May 31 marketing season.
2. Prior to 1949, MO,VA and KY were included in the July - June 30 marketing season.
3. Prior to 1954, IL was included in the July 1 - June 30 marketing season.

RYE

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*._ARY	*.*._QRY	*.*._DRY	*.*._PRY
PERIOD	1931-1969	1866-1969	1866-1969	1866-1969
A.L.				
A.R.		1866-1918	1866-1918	1866-1918
A.Z.				
C.A.	1909-1959	1868-1959	1868-1959	1868-1959
C.O.	+	1879-1969	1879-1969	1880-1969
C.T.		1866-1918	1866-1918	1866-1918
D.E.	+	+	+	+
F.L.				
G.A.	+	1867-1969	1867-1969	1867-1969
I.A.	+	+	+	+
I.D.	+	1899-1969	1899-1969	1901-1969
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	+	1869-1969	1869-1969	1869-1969
K.Y.	+	+	+	+
L.A.				
M.A.		1866-1918	1866-1918	1866-1918
M.D.	+	+	+	+
M.E.		1866-1900	1866-1900	1866-1900
M.I.	+	+	+	+
M.N.	1929-1969	1867-1969	1867-1969	1867-1969
M.O.	+	+	+	+
M.S.				
M.T.	+	1899-1969	1899-1969	1901-1969
N.C.	+	+	+	+
N.D.	1919-1969	1882-1969	1882-1969	1882-1969
N.E.	+	+	+	+
N.H.		1866-1898	1866-1898	1866-1898
N.J.	+	+	+	+
N.M.	1934-1959	1934-1959	1934-1959	1941-1959
N.V.				
N.Y.	+	+	+	+
O.H.	+	+	+	+
O.K.	+	1899-1969	1899-1969	1901 1969
O.R.	+	1877-1969	1877-1969	1877-1969
P.A.	+	+	+	+
R.I.		1866-1893	1866-1893	1866-1892
S.C.	+	+	+	+
S.D.	+	1882-1969	1882-1969	1882-1969
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	1931-1959	1879-1959	1879-1959	1882-1959
V.A.	+	+	+	+
V.T.		1866-1918	1866-1918	1866-1918
W.A.	+	1879-1969	1879-1969	1882-1969
W.I.	+	+	+	+
W.V.	1931-1954	1867-1954	1867-1954	1867-1954
W.Y.	+	1908-1969	1908-1969	1908-1969

SOYBEANS

The soybean series describe soybeans which are grown for beans. (Additionally, soybeans may be grown for forage and soil improvement).

Prices are season average prices computed on a crop marketing season of September 1 to August 31 for all states.

SERIES INCLUDED:

- *.*_QSB Acreage Harvested in 1000 Acres
- *.*_DSB Yield per Acre in Bushels
- *.*_PSB Price per Bushel in Cents

SOURCES:

- *.*_QSB
- *.*_DSB

- *.*_PSB

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1924-1953	28
1954-1958	47
1959-1963	48
1964-1969	49

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1924-1953	28
1954-1958	44
1959-1963	45
1964-1969	46

SOYBEANS

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME		*.*._QSB	*.*._DSB	*.*._PSB
PERIOD		1924-1969	1924-1969	1924-1969
A.L.		+	+	+
A.R.		+	+	+
A.Z.				
C.A.				
C.O.				
C.T.				
D.E.		+	+	+
F.L.		1949-1969	1949-1969	1949-1969
G.A.		+	+	+
I.A.		+	+	+
I.D.				
I.L.		+	+	+
I.N.		+	+	+
K.S.		+	+	+
K.Y.		+	+	+
L.A.		+	+	+
M.A.				
M.D.		+	+	+
M.E.				
M.I.		+	+	+
M.N.		1934-1969	1934-1969	1934-1969
M.O.		+	+	+
M.S.		+	+	+
M.T.				
N.C.		+	+	+
N.D.		1942-1969	1942-1969	1942-1969
N.E.		1938-1969	1938-1969	1938-1969
N.H.				
N.J.		1938-1969	1938-1969	1938-1969
N.M.				
N.V.				
N.Y.		1934-1969	1934-1969	1934-1969
O.H.		+	+	+
O.K.		+	+	+
O.R.				
P.A.		1934-1969	1934-1969	1934-1969
R.I.				
S.C.		+	+	+
S.D.		1940-1969	1940-1969	1940-1969
T.N.		+	+	+
T.X.		1934-1969	1934-1969	1934-1969
U.T.				
V.A.		+	+	+
V.T.				
W.A.				
W.I.		+	+	+
W.V.		1924-1952	1924-1952	1924-1952
W.Y.				

SUGAR BEETS

The price series for sugar beets are season average prices which include price support payments, but exclude both Sugar Act payments and abandonment-and-deficiency payments.

SERIES INCLUDED:

***_ASU Acreage Planted in 1000 Acres
***_QSU Acreage Harvested in 1000 Acres
***_DSU Yield per Acre in Tons
***_PSU Price per Ton in Cents

SOURCES:

***_ASU
***_QSU
***_DSU

***_PSU

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1924-1964	56
1965-1969	49

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1924-1964	56
1965-1969	46

SUGAR BEETS

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*._ASU	*.*._QSU	*.*._DSU	*.*._PSU
PERIOD	1924-1969	1924-1969	1924-1969	1924-1969
A.L.				
A.R.				
A.Z.	1940-1969	1940-1969	1940-1969	1940-1969
C.A.	+	+	+	+
C.O.	+	+	+	+
C.T.				
D.E.				
F.L.				
G.A.				
I.A.	+	+	+	+
I.D.	+	+	+	+
I.L.	1924-1967	1924-1967	1924-1967	1924-1967
I.N.	1924-1959	1924-1959	1924-1959	1924-1959
K.S.	+	+	+	+
K.Y.				
L.A.				
M.A.				
M.D.				
M.E.	1966-1969	1966-1969	1966-1969	1966-1969
M.I.	+	+	+	+
M.N.	+	+	+	+
M.O.				
M.S.				
M.T.	+	+	+	+
N.C.				
N.D.	+	+	+	+
N.E.	+	+	+	+
N.H.				
N.J.				
N.M.	+	+	+	+
N.V.	1927-1966	1927-1966	1927-1966	1927-1966
N.Y.	1965-1969	1965-1969	1965-1969	1965-1969
O.H.	+	+	+	+
O.K.				
O.R.	1925-1969	1925-1969	1925-1969	1925-1969
P.A.				
R.I.				
S.C.				
S.D.	1924-1964	1924-1964	1924-1964	1924-1964
T.N.				
T.X.	1939-1969	1939-1969	1939-1969	1939-1969
U.T.	+	+	+	+
V.A.				
V.T.				
W.A.	+	+	+	+
W.I.	1924-1961	1924-1961	1924-1961	1924-1961
W.V.				
W.Y.	+	+	+	+

SWEET POTATOES

The sweet potato yield and price series are on a hundredweight basis using 55 lbs. per bushel.

Prior to 1908, the price series are based on December 1 prices. Thereafter they are season average prices based on the following crop seasons:

June 1 to May 31 AL,FL,GA

July 1 to June 30 CA,DE,KS,LA,MD,MS,NC,OK,SC,TN,TX,VA

August 1 to July 31 All other states

SERIES INCLUDED:

.._ASP Acreage Planted in 1000 Acres
.._QSP Acreage Harvested in 1000 Acres
.._DSP Yield per Acre in Hundredweight
.._PSP Price per Hundredweight in Cents (See above).

SOURCES:

All Series

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1868-1953	29
1954-1958	52
1959-1963	53
1964-1969	54

SWEET POTATOES

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*_ASP	*.*_QSP	*.*_DSP	*.*_PSP
PERIOD	1929-1969	1868-1969	1868-1969	1868-1969
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.				
C.A.	+	1889-1969	1889-1969	1889-1969
C.O.				
C.T.				
D.E.	1929-1954	1868-1954	1868-1954	1868-1954
F.L.	1929-1964	1868-1964	1868-1964	1868-1964
G.A.	+	+	+	+
I.A.	1929-1954	1874-1954	1874-1954	1874-1954
I.D.				
I.L.	1929-1954	1868-1954	1868-1954	1868-1954
I.N.	1929-1954	1868-1954	1868-1954	1868-1954
K.S.	1929-1968	1868-1968	1868-1968	1868-1968
K.Y.	1929-1964	1868-1964	1868-1964	1868-1964
L.A.	+	+	+	+
M.A.				
M.D.	+	+	+	+
M.E.				
M.I.				
M.N.				
M.O.	1929-1964	1868-1964	1868-1964	1868-1964
M.S.	+	1869-1969	1869-1969	1869-1969
M.T.				
N.C.	+	+	+	+
N.D.				
N.E.				
N.H.				
N.J.	+	+	+	+
N.M.	1959-1968	1959-1968	1959-1968	1959-1968
N.V.				
N.Y.				
O.H.				
O.K.	1929-1968	1896-1968	1896-1968	1896-1968
O.R.				
P.A.				
R.I.				
S.C.	+	+	+	+
S.D.				
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.				
V.A.	+	+	+	+
V.T.				
W.A.				
W.I.				
W.V.		1868-1918	1868-1918	1868-1918
W.Y.				

TAME HAY

The tame hay series begin in 1866 and terminate in the late 1920's. They were replaced, beginning in 1909, with the all hay series (which aggregate tame and wild hay). These all hay series are available on TROLL. (See the Hay section of this document).

The tame hay price series are December 1 prices.

SERIES INCLUDED:

- *.*_QTH Acreage Harvested in 1000 Acres
- *.*_DTH Yield per Acre in Bushels
- *.*_PTH Price per Bushel in Cents

SOURCES:

- *.*_QTH
- *.*_DTH

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1866-1929	38

- *.*_PTH

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1866-1925	32, 33, 34, 35

TAME HAY

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME		*.*_QTH	*.*_DTH	*.*_PTH
PERIOD		1866-1929	1866-1929	1866-1925
A.L.		+	+	+
A.R.		+	+	+
A.Z.		1882-1929	1882-1929	1882-1925
C.A.		+	+	1868-1925
C.O.		1880-1929	1880-1929	1880-1925
C.T.		+	+	+
D.E.		+	+	+
F.L.		1889-1929	1889-1929	+
G.A.		+	+	+
I.A.		+	+	+
I.D.		1882-1929	1882-1929	1882-1925
I.L.		+	+	+
I.N.		+	+	+
K.S.		+	+	+
K.Y.		+	+	+
L.A.		1881-1929	1881-1929	+
M.A.		+	+	+
M.D.		+	+	+
M.E.		+	+	+
M.I.		+	+	+
M.N.		+	+	1867-1925
M.O.		+	+	+
M.S.		+	+	+
M.T.		1882-1929	1882-1929	1882-1925
N.C.		+	+	+
N.D.		1882-1929	1882-1929	1882-1925
N.E.		+	+	+
N.H.		+	+	+
N.J.		+	+	+
N.M.		1882-1929	1882-1929	1882-1925
N.V.		1879-1929	1879-1929	1870-1925
N.Y.		+	+	+
O.H.		+	+	+
O.K.		1899-1929	1899-1929	1901-1925
O.R.		1869-1929	1869-1929	1869-1925
P.A.		+	+	+
R.I.		+	+	+
S.C.		+	+	+
S.D.		1882-1929	1882-1929	1882-1925
T.N.		+	+	+
T.X.		+	+	+
U.T.		1882-1929	1882-1929	1882-1925
V.A.		+	+	+
V.T.		+	+	+
W.A.		1882-1929	1882-1929	1882-1925
W.I.		+	+	+
W.V.		+	+	1867-1925
W.Y.		1870-1929	1870-1929	1882-1925

TOBACCO

Prior to 1919, the price series reflect December 1 prices. From 1919 to 1965 they are season average prices. The price series for tobacco are unavailable by states after 1965.

SERIES INCLUDED:

***_QTO Acreage Harvested in 1000 Acres
***_DTO Yield per Acre in Pounds
***_PTO Price per Pound in Cents

SOURCES:

***_QTO
***_DTO

***_PTO

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1866-1965	57
1966-1969	49

<u>YEARS</u>	<u>REFERENCE NUMBER</u>
1866-1965	57

TOBACCO

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME		**. _QTO	**. _DTO	**. _PTO
PERIOD		1866-1969	1866-1969	1866-1965
A.L.		1937-1969	1937-1969	1937-1965
A.R.		1866-1918	1866-1918	1866-1918
A.Z.				
C.A.				
C.O.				
C.T.		+	+	+
D.E.				
F.L.		1897-1969	1897-1969	1897-1965
G.A.		1899-1969	1899-1969	1899-1965
I.A.				
I.D.				
I.L.		1866-1918	1866-1918	1866-1918
I.N.		+	+	+
K.S.		1932-1956	1932-1956	1932-1956
K.Y.		+	+	+
L.A.		1919-1969	1919-1969	1919-1965
M.A.		+	+	+
M.D.		+	+	+
M.E.				
M.I.				
M.N.		1924-1956	1924-1956	1924-1956
M.O.		+	+	+
M.S.				
M.T.				
N.C.		+	+	+
N.D.				
N.E.				
N.H.				
N.J.				
N.M.				
N.V.				
N.Y.		1866-1953	1866-1953	1866-1953
O.H.		+	+	+
O.K.				
O.R.				
P.A.		+	+	+
R.I.				
S.C.		1889-1969	1889-1969	1889-1965
S.D.				
T.N.		+	+	+
T.X.				
U.T.				
V.A.		+	+	+
V.T.				
W.A.				
W.I.		1869-1969	1869-1969	1869-1965
W.V.		+	+	+
W.Y.				

WEATHER

Precipitation and temperature series are available in ATICS in monthly frequency.

Prior to 1931, the series were obtained directly from USDA data [USDA 1951]. Thereafter, they were computed from U. S. Department of Commerce data [USDA (NOAA) 1976] as described in the introductory comments of this publication.

Weather data for the New England states is published for the Northern and Southern regions of New England rather than by individual states for years 1888 to 1948 [USDA 1951]. Included in the Northern Region are Maine, New Hampshire and Vermont; and in the Southern Region, Massachusetts, Rhode Island and Connecticut. Special series N.N._RWR (N.N._TWR) and N.S._RWR (N.S._TWR) contain precipitation (temperature) data for the Northern and Southern regions, respectively. Series are available for the individual New England states (with series names in the conventional format) beginning in 1931 [USDA(NOAA) 1976].

SERIES INCLUDED:

- *.*_RWR Average Monthly Precipitation in Inches
- *.*_TWR Average Monthly Temperature in Degrees Fahrenheit

SOURCES:

All Series

Years	Reference Number
1873-1930	58
1931-1975	59

WEATHER

SERIES	PRECIPITATION	TEMPERATURE
TROLL NAME	*.*._RWR	*.*._TWR
A.L.	1884-1975	
A.R.	1891-1975	
A.Z.	1895-1975	
C.A.	1897-1975	
C.O.	1888-1975	
C.T.	1931-1975	
D.E.	1895-1975	
F.L.	1891-1975	
G.A.	1892-1975	
I.A.	1873-1975	
I.D.	1894-1975	
I.L.	1890-1975	
I.N.	1887-1975	
K.S.	1887-1975	
K.Y.	1889-1975	
L.A.	1891-1975	
M.A.	1931-1975	
M.D.	1895-1975	
M.E.	1931-1975	
M.I.	1888-1975	
M.N.	1891-1975	
M.O.	1888-1975	
M.S.	1888-1975	
M.T.	1895-1975	
N.C.	1887-1975	
N.D.	1892-1975	
N.E.	1876-1975	
N.H.	1931-1975	
N.J.	1885-1975	
N.M.	1892-1975	
N.N.	1888-1948	
N.S.	1888-1948	
N.V.	1889-1975	
N.Y.	1890-1975	
O.H.	1883-1975	
O.K.	1892-1975	
O.R.	1890-1975	
P.A.	1888-1975	
R.I.	1931-1975	
S.C.	1887-1975	
S.D.	1890-1975	
T.N.	1884-1975	
T.X.	1888-1975	
U.T.	1892-1975	
V.A.	1891-1975	
V.T.	1931-1975	
W.A.	1890-1975	
W.I.	1891-1975	
W.V.	1891-1975	
W.Y.	1892-1975	

WHEAT

The acreage and yield series for wheat are the aggregate of winter and spring wheat. The price series for wheat reflect December 1 prices for the period 1866 to 1930 and season average prices for 1931 to 1969. The crop marketing season on which the season average prices are computed is July 1 to June 30 for all states with the following exceptions:

May 1 to April 30	AZ ¹ , FL
June 1 to May 31	KS, NC, SC, GA, TN, AL, MS, AR, NM, CA, MO, VA, KY, IL OK ² , TX ² , LA ²

SERIES INCLUDED:

*.*_AWH	Acreage planted in 1000 Acres
*.*_QWH	Acreage Harvested in 1000 Acres
*.*_DWH	Yield per Acre in Bushels
*.*_PWH	Price per Bushel in Cents (See Above).

SOURCES:

*.*_AWH
*.*_QWH
*.*_DWH

*.*_PWH

YEARS	REFERENCE NUMBER
1866-1943	18
1944-1948	39
1949-1953	21
1954-1958	47
1959-1963	48
1964-1969	49

YEARS	REFERENCE NUMBER
1866-1925	32, 33, 34, 35
1926-1930	13
1931	14
1932	15
1933	16
1934	1
1935	2
1936	3
1937	4
1938	5
1938	6
1940	7
1941	8
1942	9
1943	10
1944-1948	40
1949-1953	20
1954-1958	44
1959-1963	45
1964-1969	46

1. Prior to 1949, AZ was included in the June 1 to May 31 marketing season.
2. Prior to 1964, OK, TX and LA were included in the May 1 to April 30 marketing season.

WHEAT

SERIES	ACREAGE PLANTED	ACREAGE HARVESTED	YIELD	PRICE
TROLL NAME	*.*._AWH	*.*._QWH	*.*._DWH	*.*._PWH
PERIOD	1909-1969	1866-1969	1866-1969	1866-1969
A.L.	+	+	+	+
A.R.	+	+	+	+
A.Z.	+	1882-1969	1882-1969	1882-1969
C.A.	+	+	+	1868-1969
C.O.	1919-1969	1869-1969	1869-1969	1880-1969
C.T.		1866-1887	1866-1887	1866-1900
D.E.	+	+	+	+
F.L.	1962-1969	1962-1969	1962-1969	1962-1969
G.A.	+	+	+	+
I.A.	1919-1969	+	+	+
I.D.	+	1879-1969	1879-1969	1882-1969
I.L.	+	+	+	+
I.N.	+	+	+	+
K.S.	1919-1969	+	+	+
K.Y.	+	+	+	+
L.A.	1955-1969	1955-1969	1955-1969	1955-1969
M.A.				
M.D.	+	+	+	+
M.E.	1919-1946	1866-1946	1866-1946	1866-1946
M.I.	1919-1969	+	+	+
M.N.	1919-1969	+	+	1867-1969
M.O.	1919-1969	+	+	+
M.S.	1910-1969	+	+	+
M.T.	1919-1969	1873-1969	1873-1969	1882-1969
N.C.	+	+	+	+
N.D.	1919-1969	1879-1969	1879-1969	1882-1969
N.E.	1919-1969	+	+	+
N.H.		1866-1899	1866-1899	1866-1900
N.J.	+	+	+	+
N.M.	1919-1969	1879-1969	1879-1969	1882-1969
N.V.	1919-1969	1879-1969	1879-1969	1870-1969
N.Y.	1919-1969	+	+	+
O.H.	1919-1969	+	+	+
O.K.	+	1894-1969	1894-1969	1894-1969
O.R.	1919-1969	1869-1969	1869-1969	1869-1969
P.A.	1919-1969	+	+	+
R.I.				
S.C.	+	+	+	+
S.D.	1919-1969	1879-1969	1879-1969	1882-1969
T.N.	+	+	+	+
T.X.	+	+	+	+
U.T.	1919-1969	1879-1969	1879-1969	1882-1969
V.A.	+	+	+	+
V.T.	1919-1931	1866-1931	1866-1931	1866-1931
W.A.	1919-1969	1879-1969	1879-1969	1882-1969
W.I.	1919-1969	+	+	+
W.V.	+	+	+	1867-1969
W.Y.	1919-1969	1890-1969	1890-1969	1882-1969

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