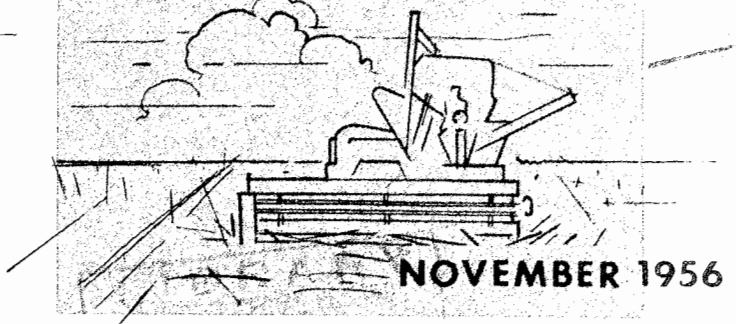


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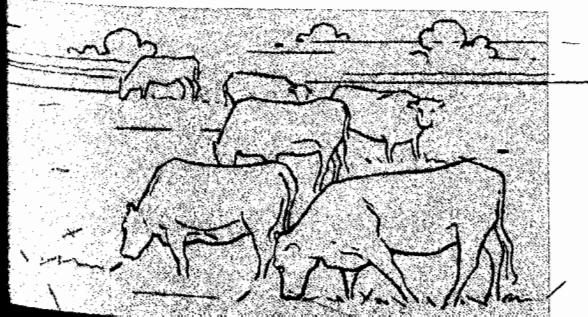
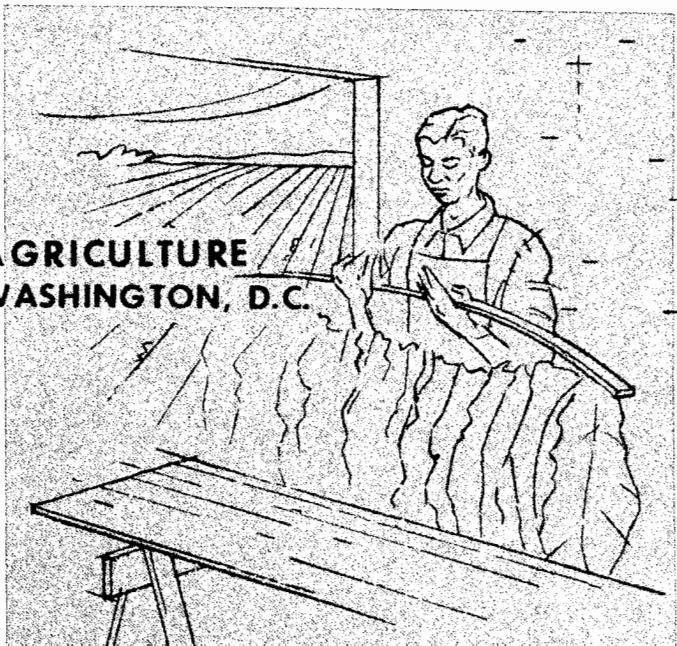
COSTS and RETURNS

Commercial Family-Operated Farms by Type and Size

1930 - 1951



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE • WASHINGTON, D.C.



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W. Herbert Brown, Herbert C. Fowler, James R. Gray, Harold R. Hochmuth, Erling Hole, Edgar B. Hurd, Emil Rauchenstein, and James Vermeer analyzed data for specific types of farms. Isabel Jenkins assisted greatly in the summarizing of the data.

LOCATION OF TYPES OF FARMS STUDIED

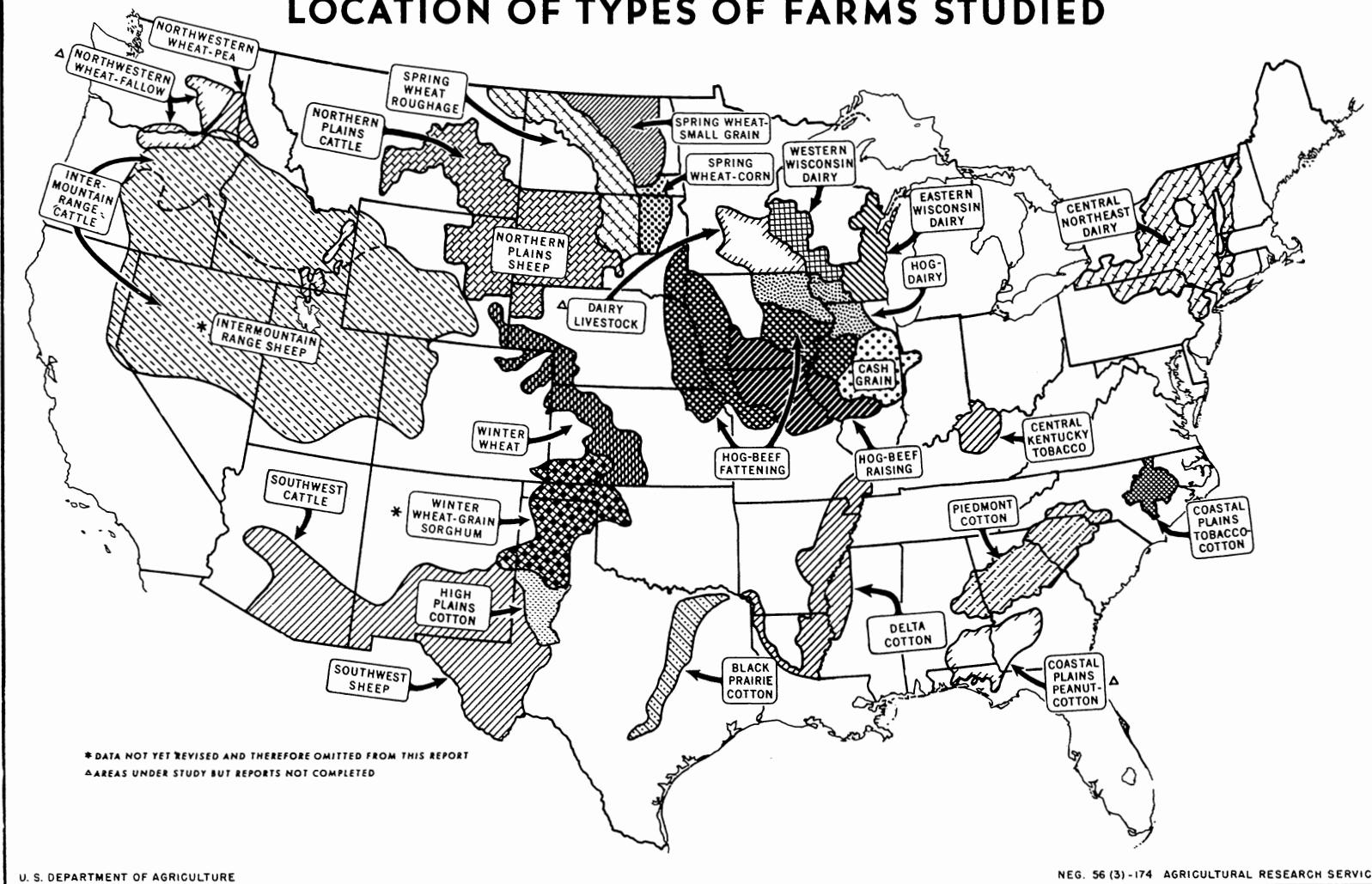


FIGURE 1

COSTS AND RETURNS, COMMERCIAL FAMILY-OPERATED FARMS, BY TYPE AND SIZE, 1930-1951

By Wylie D. Goodsell, Agricultural Economist
Production Economics Research Branch
Agricultural Research Service

INTRODUCTION

This report gives summary statistics on 27 important types and sizes of farms in 15 major farming areas in the United States. Twenty-three of the series represent average commercial family-operated farms of a particular type located within comparatively homogeneous farming areas. Four series pertain to "size-type" commercial family-operated farms. These are farms that are smaller or larger than average commercial family-operated farms and on the basis of size represent only part of the range of commercial family-operated farms. These so called "size-type" farms include the large-scale and small cotton farms in the Mississippi Delta area and the small tobacco and large tobacco-cotton farms in the Coastal Plains of North Carolina. The location of each type of farm studied and reported here is shown in figure 1.

The series on some types of farms begin with 1930. Others begin with 1935, 1937, 1940, 1943, or 1944, depending on the time the study was undertaken, the accessibility of data, whether or not estimates for earlier years would be worth the extra cost, and whether or not at the beginning date farmers and ranchers were experiencing unusual weather or economic conditions. The series on irrigated cotton farms in the High Plains area of Texas goes back only to 1944 because irrigation was not important in this area before that date.

In this publication, none of the series is continued beyond 1951. Agriculture Information Bulletin 158¹ gives similar information for the years 1952 through 1955 for each of the types and sizes of farms reported here. These two publications contain revised data for all years through 1955 for which analyses have been made for each type and size of farm.

It is planned that the respective series for each type and size of farm will be continued and reported on annually in the future as in the past. Additional reports to be prepared from time to time are expected to include more comprehensive and detailed analyses than are available in this publication or in other reports made on these farm situations thus far.

Although each type of farm differs from others in location, organization, size, productivity, and many other characteristics, essentially the same general procedures and methods were used in sampling, collecting, assembling, processing, and analyzing the data for all. Consequently, the information for the various types of farms is generally comparable. For example, investment per farm, receipts, expenditures and net returns, and indexes of many items such as net farm production, operating expense per unit of production, total cost per unit of product, production per unit of input, and prices received and prices paid on cotton farms may be compared with those on tobacco, dairy, Corn Belt, or wheat farms. Furthermore, costs, returns, and related data for one year or for groups of years may be compared with those for other years on the same types of farms. Thus it is

¹Goodsell, W. D., Brown, W. H., Fowler, H. C., Hole, Erling, Hurd, E. B., Vermeer, James, and Jenkins, Isabel. Farm Costs and Returns, 1955 (With Comparisons) Commercial Family-Operated Farms, by Type and Location. U. S. Dept. Agr. Inform. Bul. 158, 62 pp., illus. June 1956.

easy to see how operators of a particular type of farm have fared in relation to operators of other types of farms and how well they have progressed and have adjusted to changing conditions over the years.

In the analyses thus far, and in the data presented here, all farms are treated as owner-operated units. This was done so that summary statistics on income, expenses, and related items would not be affected by differences in the farm ownership pattern or in the landlord-tenant relationships among areas or types of farms. The data in these analyses are organized in such a way that costs and returns and related data may be obtained for landlords and for tenants who operate under given tenure arrangements. It is expected that future analyses will include such allocations and breakdowns plus more detailed and comprehensive analyses.

Good times and bad times have affected the incomes and well-being of all farmers, but their influences have differed greatly from type of farm to type of farm and from area to area.

Farm operators' net farm income per farm for the country as a whole was about \$650 in 1930. It declined during the next 2 years, and in 1932, it was the lowest on record, averaging only a little more than \$300 per farm. Throughout the United States, farm operators' net incomes began to rise after 1932 because of the generally improved economic conditions. During the midforties and early fifties, they averaged between \$2,000 and \$3,000 per farm.

Experiences of operators of different types of farms varied considerably from averages of those for the country as a whole. During the depression of the early thirties, farmers in general had low incomes. But, in some areas, in addition to the low prices they received for the products they sold, farmers had to cope with severe droughts which further reduced returns. Droughts were particularly acute and prolonged in the Northern Plains area. From 1930 through 1939, yields of wheat

on wheat-roughage-livestock farms in the Northern Plains spring wheat area averaged only 5.4 bushels per acre. During this period, the crop-yield index on these farms averaged only 44 percent of the 1947-49 average. For 8 consecutive years, 1931-38, operators of these farms operated at a loss; they and their families received nothing for their labor and management and no return on capital invested in the business. On these farms, net farm income ranged from a loss of about \$900 in 1936 to a return of nearly \$7,000 per farm in 1947.

In contrast, operators of wheat-pea farms have not encountered severe droughts, and, in general, their yields have been relatively high. Data on these farms are not available prior to 1935. But from 1935 to 1940, crop yields on wheat-pea farms averaged about 4 percent above the 1947-49 average. Net farm incomes on these farms ranged from a low of about \$950 per farm in 1938 to a high of nearly \$15,500 in 1947.

In general, Corn Belt farmers also have done relatively well. Operators of three types of farms in the Corn Belt failed to meet operating expenses only in 1934. Cash-grain farmers were able to meet operating expenses in all years. Net farm incomes on these farms ranged from a low of about \$85 per farm in 1933 to a high of more than \$11,500 in 1948.

Operators of cotton farms in the Southern Piedmont had less year-to-year variation in net returns, but their incomes have never been as large as the incomes received by operators of many other types of farms. Net farm incomes on these farms ranged from a low of about \$100 per farm in 1932 to a high of nearly \$2,500 in 1951. From 1930 through 1951, net farm incomes averaged slightly less than \$900 per farm.

Changes in technology have affected certain types of farms more than others during the last 25 years. Operators of cotton, tobacco, and many livestock farms and ranches have had available neither the mechanical devices nor the technological improvements that have

permitted operators of wheat and corn farms to increase the size of their operating units, their total output, and their labor efficiency. In recent years, important technological developments have been made available to cotton, tobacco, and livestock farmers. The effects of these developments are showing up in increased physical efficiency and in relatively improved economic well-being.

As farmers continue to adopt new and improved technological developments and to adjust their operations and practices accordingly, wide differences will be revealed in their costs and returns and general economic well-being.

SOURCE AND ADEQUACY OF DATA, AND PROCEDURE

Costs and returns series are developed largely from data obtained from (1) the U. S. Census of Agriculture, (2) rural carrier and mailed questionnaires sent to farmers by the Agricultural Estimates Division, Agricultural Marketing Service, and (3) enumerative field surveys. In the main, data for individual farms by type and size are used, but information from other sources may be drawn upon for certain purposes in particular areas. These include farm- or ranch-management records which provide production rates, and related studies and surveys made by experiment stations, State agricultural censuses, county assessor's censuses, livestock trend sheets of the Production Credit Associations of the Farm Credit Administration, licensed and permitted use records and commensurate property records of the Bureau of Land Management and the Forest Service, and special farm-production and financial schedules from private agencies.

Published census data supplemented by special tabulations of census schedules provide general background and descriptive information on the agriculture of the area and on the characteristics of the type of farming studied. The census data are analyzed in considerable detail to determine the distribution of farms by type and size; acres of cropland harvested; acreages in various crops;

numbers of livestock by type and class; workers in the labor force; number, age, and value of important machines; gross value of product; expenditures for certain items; and investment, farm facilities, and related information.

The basic organization of the farm is determined by detailed tabulation of a special sample of about 400 representative census schedules for each census year. Only commercial farms of a given type within the family-size range are included in these tabulations.

The special tabulation of census schedules and other available information is supplemented by data obtained from enumerative surveys. However, because the census data and other information are available and are analyzed in detail, extensive surveys are not necessary. These enumerative surveys usually cover such items as production methods and practices, man labor, power, machinery, and materials used, contract work hired, inventories of machinery and related items, and cash expenditures for certain items not obtainable elsewhere. Field schedules have been obtained only once in some areas in the last few years, whereas in other areas surveys have been repeated. The goal has been to obtain this type of information in each area about once in every 3 to 5 years, in order to keep abreast of changes in practices and resource inputs.

The basic organization is established for particular years by the census and field-survey data. The respective farm organization for interim years is obtained largely through the use of rural carrier and mailed questionnaires sent to farmers by the Agricultural Estimates Division, Agricultural Marketing Service, as a part of its regular crop- and livestock-reporting work. A number of States have assessors' censuses that throw considerable light on changes in farm organization, land use, and trends in livestock numbers. Data from other special surveys also are used if they meet the requirements or can be adjusted to fit the particular size and type of farm.

Data from some sources contain biases. In many instances, however, compensations can be made, at least in part, for these biases. For example, ordinarily, the numbers of livestock of specified types as reported by assessors in certain areas on a given date are less than the number reported by some other sources on approximately the same date. However, the difference is generally consistent by type of livestock and area. The important requirements are: (1) Do the data apply as to type of farm? and (2) Do they apply as to size of farm and size of enterprise considered?

Usually, a sample of 80 to 150 rural carrier or mailed schedules are tabulated each year for each type and size of farm. Frequently, most of these are identical or matched schedules; that is, the same farmer reports on the same farm in at least 2 consecutive years. For each size of farm, the percentage of the total farm acreage devoted to each crop in each year is calculated, as well as the percentage change from year to year in acres in each crop and in numbers of each type and class of livestock. These ratios for each size group or type of farm are compared with changes obtained from other sources. They are then applied to the basic organization to establish year-to-year changes in physical organization of the farm or ranch.

In areas in which a high proportion of the farms are of the type studied, rural carrier data by crop-reporting districts give general measures of change. These data are sometimes used instead of data compiled for groups of individual farms by type. For example, in one of the spring wheat areas of North Dakota, more than 80 percent of the farms are of the size and type studied. In this instance, district data are as satisfactory as those that could be obtained by using data for individual farms and they permit considerable saving in time and funds.

Trends and movements in price data by county, crop-reporting districts, groups of crop-reporting districts, and States have been compared and tested statistically. Prices

differ by location but they differ little, if any, by type or size of farm. Prices of farm products on specific types of farms can be expected to go up and down with prices received for farm products in the area. In most instances, either State prices adjusted for local differences or prices for groups of crop-reporting districts are used.

Crop yields are obtained for individual farms in the census and in the acreage and production surveys of the Division of Agricultural Estimates, Agricultural Marketing Service. Yields are available also by counties and crop-reporting districts in the respective type-of-farming areas. These yields are checked against census data for the specific type and size of farm. If county yields differ consistently or logically from census data for the specified type of farm in the respective years, these differences are maintained in the series. Frequently, however, the county or district data are used to estimate year-to-year changes in crop yields.

After the physical organization and production have been established as described above, the disposition of output is determined. Many farm-management and similar surveys made by the U. S. Department of Agriculture, the land grant colleges, and other agencies include information on the disposition of crops, livestock, and livestock products. Physical quantities of crops used for feed and seed, and consumed by the farm family are available. The way in which data in the various censuses are cross tabulated and summarized by small acreage or livestock groups makes it relatively easy to sample other sources of data and to weight results appropriately for use in these studies.

In some instances, input-output data are obtained from previous surveys, farm-management studies of land grant colleges, farm-account records, data from crops, soils, and livestock experiments in the various experiment stations, and from well-informed persons in the area. Data from these sources are supplemented by current field surveys. Many government and private agencies have

contributed valuable data. For example, each year the Production Credit Division of the Farm Credit Administration, and many private lending agencies obtain information from borrowers relating to size of farm; number of livestock raised, kept, and sold; weights at which livestock are sold; quantities of feeds grown, purchased, and fed; and expenditures and cost rates for many important items. Many of these rates are on a per unit of output basis, and they apply to a wide range in size of operating units. Information on other rates can be applied only within a given size range. When data from these sources are drawn from farms and ranches of approximately the same size and type as represented in the series, they aid greatly in supplying information on inputs and outputs.

Field surveys are resorted to when information is not available elsewhere, particularly information on items such as expenditures for new buildings and building repairs, purchase and repair of machinery, and fertilizers, insecticides, fungicides, weedkillers, and other farm production supplies. Periodic enumerative surveys are made to keep abreast of new and improved practices and also to make general checks on estimates. Information concerning some items is obtained by various agencies in their normal operations. During the last few years, the Production Economics Research Branch, Agricultural Research Service, has obtained several thousand schedules on various crops from farms in different areas. These schedules give detailed information on cropping practices, man labor, power, machinery and materials requirements, and custom work hired. In addition, special surveys have been made in some areas to obtain data on farm machinery, including farm inventories--age, model, purchases, sales, repairs, and depreciation; and details on expenditures for certain other items.

TERMS USED

Although the analyses of commercial family-operated farms are made in considerable detail, accepted farm-management terms are used insofar as they are consistent and are practical for these purposes.

COMMERCIAL FAMILY-OPERATED FARMS

A commercial family-operated farm is one that is managed and operated largely with the family labor force and that provides the family with its main form of employment and source of income. At 1944 levels of prices and values, these farm units and ranches produced farm products that ranged in value from \$1,200 to \$20,000. The total investment per farm or ranch did not exceed \$70,000, and the operator did not work off the farm more than 100 days during the calendar year. For other years, the dollar value limits were adjusted for higher or lower prices of agricultural products.

Sharecroppers and other tenants under the close supervision of farm operators are not considered as separate farmers but as parts of multiple units. In these analyses, these croppers and tenants are treated as hired laborers who receive payment in kind. Commercial family-operated units are described in more detail in *The Journal of Farm Economics* for November 1948.²

The information presented here by type of farm, therefore, is representative of an average operator's performance, use of land, and choice of crop and livestock organization, and of his costs, returns, and related items. Information for size of farm within the type of farm considered likewise is representative of the average performance of operators on farms of the specified size.

TOTAL LAND IN FARM OR RANCH

This is the total acreage in crops plus the acres of failure or abandoned farm land, fallow, idle, pasture, woodland, wasteland, house yards, barnyards, feed lots, roads, lanes and fences, operated under one unit from a given farmstead or ranch headquarters

² Bachman, Kenneth L., Ellickson, John C., Goodsell, Wylie D., and Hurley, Ray. Appraisal of Economic Classification of Farms. *Jour. Farm Econ.* 30(4):680-702, Nov. 1948.

and with a given herd in the ranch areas, and a set of machinery and equipment. Land rented from others and operated in this unit is included, but it is treated as though it were owned by the operator. Pasture or grazing land rented on the basis of units of livestock grazed is not included here; it is included in farm expenditures as feed bought or pasture rented. Land on which more than one crop is grown during the year is included only once. Land operated by croppers in multiple units is included as part of the management unit or farm operating unit.

CROPLAND HARVESTED

Cropland harvested includes land from which cultivated crops were harvested; land from which grains and hay (including wild hay) were harvested; and land in fruits, vegetables, and truck crops.

TOTAL LABOR USED

Total labor used includes total hours of operator and unpaid family labor and management plus hired labor used under average rates of performance with methods and types of power and equipment used in production of crops and livestock, in repair and maintenance of machinery, equipment, buildings, fences and other improvements, and in general management of the operating unit. It represents *labor used*, not *labor available*. Labor performed by the cropper and his family is included.

TOTAL FARM CAPITAL

This is the estimated current value on January 1 of land, service buildings, dwelling, improvements, machinery, equipment, livestock, and crops. More specifically, for crops, it is bushels or tons in inventory on January 1 multiplied by respective prices on December 15 of the previous year. Feed grains are usually combined on a per pound basis and converted to the most common feed grain to avoid detail in calculating inventories. Acres in farm, numbers of respective machines, livestock numbers, and similar items are multiplied by the respective average value per unit January 1.

CASH RECEIPTS

This is the total amount of cash received during the *calendar year* from the sale of crops, livestock, and livestock products and from government payments. All current marketings are included whether they were produced during the calendar year or from inventories.

CASH EXPENDITURES

Cash expenditures include the total amount of cash paid during the *calendar year* for goods and services used in production. Rent and interest payments and purchases of additional land are not included. Only the farm share of the depreciation and operating costs of the automobile is included. This share may differ among areas.

NET CASH FARM INCOME

This is the difference between cash receipts and cash expenditures.

VALUE OF PERQUISITES

This is the quantity of crops, livestock, livestock products, and fuel and wood consumed during the calendar year in households on farms where produced, valued at current prices, plus a nominal rental on farm dwelling. Net house rental is estimated at 8 percent of the current value of the dwelling.

CHANGE IN INVENTORY

Crops and livestock.--This is the change in physical quantity from beginning inventory to closing inventory of specified crops, livestock, machinery, and equipment, and service buildings, each valued at the respective year-end price. For livestock, it is number in closing inventory minus the number in the beginning inventory multiplied by year-end value per head of the respective livestock. For crops it is bushels, hundredweight, or tons of the given crop in the closing inventory minus physical quantity in the beginning inventory multiplied by the closing

inventory price (December 15 price received) of the respective crop. Changes in inventory of crops and livestock are carried on the income summary. Increases are carried as credits and thus increase gross farm income.

Machinery and buildings.--This includes changes in inventory of motor vehicles, excluding automobiles, other farm machinery, and service buildings, which are obtained by subtracting annual depreciation from current purchases of the respective items. The change in inventory of these items is entered in the expense summary. An increase is carried as a debit. That is, an increase in inventory of depreciable items reduces TOTAL FARM EXPENSE by that amount.

Net change in inventory is the difference between the change in inventory of livestock and crops carried in the income summary and the change in the inventory of machinery and service buildings carried in the expense summary. Gains or losses of income because of changes in prices of inventory items are avoided by valuing at year-end prices differences in physical quantities between closing and beginning inventories.

NET FARM INCOME

This is the annual return to the operator for his labor and management, to unpaid members of the operator's household for services rendered on the farm during the calendar year, and to total investment in the farm regardless of ownership. In terms previously defined, it is net cash farm income plus value of perquisites and change in inventory of crops and livestock and machinery and buildings.

CHARGE FOR CAPITAL

This charge is the current value of land and buildings times the current interest rate on farm mortgages on this kind of property in the area plus estimated current value of working assets (machinery and equipment, livestock, and crops on hand January 1) times the interest rate on intermediate and short-term farm loans. Other methods of estimating

charges for real estate may be equally or more realistic in a few areas, but this method provides comparable data for all areas. Also, it is the rate at which farmers may obtain capital on real estate.

RETURN TO OPERATOR AND FAMILY LABOR

This is the estimated return to the operator and unpaid members of the family for labor and management used (not necessarily labor available) on the farm during the calendar year after all production expenses have been met and appropriate charges have been made for the use of capital employed in the farm or ranch business.

Purchasing power in 1937-41 dollars.--This is the current return to operator and family labor divided by the U. S. index of prices paid for all commodities used in family living, 1937-41 = 100.

Return per hour in current dollars.--Return per hour is the annual return to operator and family labor divided by the number of hours worked during the year. It represents the amount of money earned per hour of unpaid labor used on the farm over and above the imputed charge for capital.

INDEX NUMBERS

Index series are computed for 11 important summary measures for each type of farm. All series are based on 1947-49=100. In addition, a prewar average, 1937-41, is given also when the series extends that far back. The following index series are calculated: (1) Gross farm income; (2) net farm income; (3) net farm production; (4) crop yield per acre; (5) production per hour of man labor; (6) production per unit of input; (7) operating expense per unit of production; (8) total cost per unit of production; (9) power and machinery, January 1; (10) prices received for products sold; (11) prices paid, including wages to hired labor.

GROSS FARM INCOME

Gross farm income includes quantities of crops, livestock, and livestock products sold during the calendar year at average prices received; quantities of farm-produced food and fuel used in households on farms where grown at the prices that would have been received for such items if sold; plus Government payments for participation in farm programs, value of net rental of operator's dwelling, and net change in physical quantities of crops and livestock from beginning to closing inventory valued at year-end prices (line 30, table 1). Income, therefore, is not affected by changes in prices or in values of inventory items. An exception is made in the case of feeder cattle purchased. On the farms studied, feeder cattle are usually bought in October and sold the next autumn. They are carried in the January inventory at the purchase price. Land is considered as a capital asset and purchases or sales of land are not considered as a part of income or expense.

The index is obtained by dividing current values or estimates of gross farm income ($\Sigma q_1 p_1$, line 30, table 1), as described above by average values or gross farm income for the base period 1947-49.

The formula for the index of gross farm income is:

$$(1) \quad \frac{\Sigma q_1 p_1}{(\Sigma q_1 p_1)_0}, \text{ where } q_1 \text{ and } p_1 \text{ are quantities and prices respectively in the current year and } (\Sigma q_1 p_1)_0 \text{ represents the summation of the respective products in the years 1947, 1948, and 1949, divided by 3.}$$

tities and prices respectively in the current year and $(\Sigma q_1 p_1)_0$ represents the summation of the respective products in the years 1947, 1948, and 1949, divided by 3.

NET FARM INCOME

Net farm income is the annual return to the operator for his labor and management, to unpaid members of the household for services

rendered on the farm during the calendar year, and to total investment in the farm business, regardless of ownership. It is obtained by subtracting total farm expense from gross farm income. The index is obtained by dividing yearly estimates of net farm income ($\Sigma q_1 p_1$) by average estimates for the base period 1947-49.

Gross farm income is described above. Total farm expense is made up of the quantities of feed, livestock, seed, fertilizers, pesticides, livestock medicines, and other supplies bought at average prices during the calendar year, plus amounts of contract work and labor hired at current rates; quantities of machinery purchased at average prices; costs of operating and repairing machinery; upkeep of machinery, buildings, fences, and improvements; expenditures for taxes, insurance, electricity, telephone, and miscellaneous farm items; with adjustments for net change in inventory of tractors, motortrucks, automobiles, other farm machinery, and buildings and equipment (table 2).

NET FARM PRODUCTION

Net farm production is the net physical quantity of items produced on the respective type of farm each year. It is obtained by multiplying the respective quantities of crops, livestock, and livestock products sold and used in the household by weighted average prices of the respective items in the 1947-49 period, and subtracting the value at 1947-49 prices of purchased feed, seed, and livestock. Adjustments are made for net change in inventory of crops and livestock (line 29, table 1). The annual product thus obtained is divided by the average of such values for the base period 1947-49.

(2) The formula is $\frac{\Sigma q_j p_o}{(\Sigma q_1 p_o)_0}$, in which q_j is the quantity sold or the change in inventory in the current year and p_o is weighted average price in the base period 1947-49. $(\Sigma q_1 p_o)_0$ represents the summation of the respective products for the 1947-49 period divided by 3.

TABLE 1.--Gross farm income and gross production,
hog-beef fattening farms, Corn Belt, 1951

	ITEM	QUANTITY		PRICE PER UNIT		VALUE	
		UNIT	q ₁	P ₁	P _o	q ₁ P ₁	q ₁ P _o
				Dollars	Dollars	Dollars	Dollars
	Cash receipts						
	Sales						
1	Corn.....	Bu.	135	1.58	1.32	213.30	178.20
2	All crops.....					213.30	178.20
3	Cattle.....	Cwt.	392.8	36.67	31.92	14,403.98	12,538.18
4	Hogs.....	Cwt.	336.6	19.70	21.30	6,631.02	7,169.58
5	Chickens.....	Lb.	600	.210	.238	126.00	142.80
6	All livestock.....					21,161.00	19,850.56
7	Butterfat.....	Lb.	520	.75	.757	390.00	393.64
8	Eggs.....	Doz.	1,446	.397	.39	574.06	563.94
9	All livestock products.....					964.06	957.58
10	Government payments.....					72.00	x
11	Total cash receipts.....					22,410.36	20,986.34
	Farm products used in home						
12	Beef.....	Cwt.	1.99	36.67	31.92	72.97	63.52
13	Pork.....	Cwt.	3.8	19.70	21.30	74.86	80.94
14	Chickens.....	Lb.	125	.210	.238	26.25	29.75
15	Butterfat.....	Lb.	101	.75	.757	75.75	76.46
16	Eggs.....	Doz.	108	.397	.39	42.88	42.12
17	Garden.....	Dol.	30	¹ 2.49	2.37	74.70	71.10
18	Net house rent.....	No.	1	x	295.00	393.00	295.00
19	Total perquisites.....					760.41	658.89
	Change in inventory						
20	Feeder cattle.....	Cwt.	14.7	x	21.27	1,578.00	312.67
21	Workstock.....	No.	-.2	47.00	46.43	-9.40	-9.29
22	Beef cows.....	No.	.4	287.73	185.07	115.09	74.03
23	Other cattle, except feeders	No.	.2	165.00	106.15	33.00	21.23
24	Hogs and pigs.....	Cwt.	-11.4	17.30	20.97	-197.22	-239.06
25	Chickens.....	No.	2	1.50	1.47	3.00	2.94
26	Corn.....	Bu.	-226	1.63	1.35	-368.38	-305.10
27	Oats.....	Bu.	-275	1.00	.83	-275.00	-228.25
28	Hay.....	Ton	.4	17.30	16.73	6.92	6.69
29	Total.....					886.01	-364.14
30	GROSS FARM INCOME.....					24,056.78	
31	GROSS FARM PRODUCTION.....						21,281.09

¹The figure for garden under p₁ is an index number (1939 = 100). q₁ is computed by dividing q₁p₁ by p₁.

TABLE 2.--Production expenses and inputs,
hog-beef fattening farms, Corn Belt, 1951

	ITEM	QUANTITY		PRICE PER UNIT		VALUE	
		UNIT	q ₁	P ₁	P _o	q ₁ P ₁	q ₁ P _o
	Cash expenditures			Dollars	Dollars	Dollars	Dollars
1	Feed bought:						
2	Grain (corn equivalent).....	Bu.	0	1.58	1.93	0	0
3	Protein and minerals.....	Cwt.	269.3	5.75	5.60	1,548.48	1,508.08
	Total.....					1,548.48	1,508.08
	Livestock expense:						
4	Feeder cattle.....	Cwt.	206.6	33.25	22.73	6,869.45	4,696.02
5	Baby chicks.....	100 chix	2.30	24.10	18.90	55.43	43.47
6	Veterinary & medicine & misc. supplies	A.U.	73.2	2.09	1.84	152.99	134.69
7	Feed grinding.....	Cwt.	636	.13	.11	82.68	69.96
8	Total.....					7,160.55	4,944.14
	Seeds and supplies:						
9	Seeds:						
10	Garden (including plants).....	Acre	.1	100.00	90.00	10.00	9.00
11	Timothy.....	Cwt.	.19	16.00	14.30	3.04	2.72
12	Sweet clover.....	Cwt.	.36	21.20	21.98	7.63	7.91
13	Red clover.....	Cwt.	.66	43.00	61.60	28.38	40.66
14	Alfalfa.....	Cwt.	.49	75.50	59.50	37.00	29.16
15	Hybrid corn.....	Bu.	9.79	10.80	10.60	105.73	103.77
16	Oats.....	Bu.	14.7	1.83	1.74	26.90	25.58
17	Ladino clover.....	Lb.	---	---	---	---	---
	Brome.....	Cwt.	.19	29.90	32.88	5.68	6.25
18	Seed cleaning and treating.....	Bu.	35	.10	.09	3.50	3.13
19	Twine.....	Lb.	193	.29	.232	55.97	44.78
20	Fertilizer.....	Cwt.	46.20	2.46	2.32	113.65	107.18
21	Limestone.....	Ton	13.97	3.25	3.13	45.40	43.73
22	DDT.....	Qt.	5	1.50	1.50	7.50	7.50
23	2, 4-D.....	Gal.	4.5	5.80	5.80	26.10	26.10
24	Total seed and supplies.....					476.48	457.47
	Power and machinery:						
25	Tractors:						
26	Operating costs.....	Hour	648	.618	.581	400.46	376.49
	Purchased ²	No.	.176	2,200.00	1,844.18	388.00	324.58
	Trucks:						
27	Operating costs.....	Mile	2,250	.07	.064	157.50	144.00
28	Purchased ²	No.	.049	1,942.00	1,717.39	96.00	84.15

--Continued

TABLE 2.--Production expenses and inputs, hog-beef
fattening farms, Corn Belt, 1951--Continued

	ITEM	QUANTITY		PRICE PER UNIT		VALUE	
		UNIT	q ₁	p ₁	p _o	q ₁ p ₁	q ₁ p _o
	Automobiles, farm share:			Dollars	Dollars	Dollars	Dollars
29	Operating costs.....	Mile	3,300	.036	.032	118.80	105.60
30	Depreciation.....	No.	.05	1,783.00	1,493.33	89.00	74.67
	Other machinery:						
31	Repairs.....	Dol.	178	¹ 1.96	1.55	349.20	275.90
32	Purchased.....	Dol.	383	1.96	1.58	750.00	605.14
	Gas for auxiliary engines.....	Gal.	34	.229	.219	7.79	7.45
33	Threshing oats.....	Bu.	91	.04	.03	3.64	2.73
34	Shelling corn.....	Bu.	3,140	.026	.024	81.64	75.36
	Hauling:						
36	Butterfat.....	Lb.	390	.024	.023	9.36	8.97
37	Livestock - hogs.....	Cwt.	252	.29	.251	73.08	63.25
38	Total power and machinery.....					2,524.47	2,148.29
	Farm building expense.....	Dol.	164	¹ 2.23	1.91	365.00	313.24
40	Fencing and land improvement.....	Dol.	63	¹ 2.23	1.91	140.00	120.33
41	Hired labor.....	Hour	628	.886	.768	556.41	482.30
	Taxes:						
42	Real estate.....	Acre	195	2.05	1.68	399.75	327.60
	Personal property:						
43	Current value.....	\$100 value	235.45	.68	x	160.11	x
44	Base value.....	\$100 value	213.66	x	.569	x	121.57
	Telephone, farm share.....	No.	.92	29.00	23.02	26.68	21.18
45	Electricity.....	Kwh.	640	.031	.0333	19.84	21.31
46	Insurance.....					28.00	24.00
47	Miscellaneous expenses.....					32.00	29.00
48	Total cash expenditures.....					13,437.77	10,518.51
	Change in inventory:						
50	Tractors ²	No.	-.037	2,200.00	1,844.18	-82.00	-68.23
51	Truck ²	No.	-.004	1,942.00	1,717.39	-7.00	-6.87
52	Other farm machinery.....	Dol.	-.58	¹ 1.96	1.58	-114.00	-91.64
53	Farm buildings.....	Dol.	-12.6	¹ 2.23	1.91	-28.00	-24.07
54	Fences and other improvements.....	Dol.	-10	¹ 2.23	1.91	-22.00	-19.10
55	Total.....					-253.00	-209.91
56	TOTAL FARM EXPENSE.....					13,184.77	
57	TOTAL INPUTS.....						10,308.60

¹An index number (1930 = 100). q₁ is computed by dividing q₁ p₁ by p₁.

²q₁ is computed by dividing q₁ p₁ by p₁.

PRODUCTION PER HOUR OF MAN LABOR

Production per hour of man labor is obtained by dividing the index of net farm production on a 1947-49 base by the total hours of man labor (operator, family, and hired) used in production, expressed as relatives of the 1947-49 average. This index measures the changes over time in volume of physical output per hour of man labor.

This measure of labor productivity reflects changes in output resulting from such things as higher yields obtained from favorable weather, increased use of fertilizer, higher yielding varieties of crops, improved cropping practices, improved sanitation, better breeding and livestock-management practices, and use of labor-saving equipment. Production per man-hour of labor has been high in recent years on most types of farms included in these series because crop and livestock yields have been high and labor-saving equipment has been used.

OPERATING EXPENSE PER UNIT OF PRODUCTION

Operating expense per unit of production is "current cash expenditures" plus net depreciation on service buildings (excluding operator's dwelling), machinery, and equipment divided by current gross farm production. The index is obtained by dividing operating expense ($\Sigma q_1 p_1$, line 56, table 2) expressed as relatives by index of gross farm production ($\Sigma q_1 p_0$, line 31, table 1, expressed as relatives). Ordinarily, operating expenses include all expenses or costs that vary with output. Here as in practical farm accounting, they include all expenses except charges for capital and for operator and family labor and management. They include purchases of feed, livestock, livestock medicines and supplies; seeds, fertilizer, lime, pesticides; outlays for gasoline, oil, lubricants, and other operating costs of power and machinery; purchases of machinery, repairs to machinery and buildings; hired labor and contract work; real estate and farm personal property taxes; farm telephone, electricity, insurance, and

miscellaneous costs; plus change in inventory of motor vehicles and other machinery, farm service buildings, fences, and other improvements and equipment (lines 49 and 55, table 2).

Thus operating expenses differ slightly from variable costs. Interest charges on investment in land and buildings, and working capital and charges for operator and family labor and management, in general, constitute returns rather than charges. In determining the total cost of production, however, they are charges.

TOTAL COST PER UNIT OF PRODUCTION

This is a summary measure of the total aggregate cost of producing a unit of product. Total cost includes total operating expense, as described above, plus total charge for capital (estimated current investment in land and buildings at prevailing mortgage interest rates on similar farm assets and estimated current investment in machinery, livestock, feeds, and supplies at prevailing intermediate credit rates) and value of operator and family labor at wage rates paid to hired workers.

The index of total cost per unit of production is obtained by dividing total production costs (line 56, table 2, plus charges for capital and operator and family labor) expressed as relatives of the 1947-49 average by the index of gross farm production at 1947-49 prices. Thus this index measures the relative change from year to year in estimated total costs per unit of production. In the series on costs and returns then, the more highly specialized the farm business the more nearly this index reflects changes in the cost of producing a given product. The index approximates a commodity cost index on a few specialized farm types, such as dairy, tobacco, and cotton farms, and cattle and sheep ranches.

PRODUCTION PER UNIT OF INPUT

This is a measure of physical efficiency (average output divided by average input) in

production. The index is obtained by dividing the index of gross farm production ($\Sigma q_1 p_o$, line 31, table 1) by the index of total inputs, ($\frac{\Sigma q_1 p_o}{(\Sigma q_1 p_o)_o}$, line 57, table 2) plus

charges for operator and family labor and for capital at 1947-49 = 100. Inputs consist of quantities (q_1) of items purchased for production purposes plus hired labor ($\Sigma q_1 p_o$, line 49, table 2) at respective weighted average prices and wage rates (p_o) in the base period 1947-49; net change in inventory of power, machinery, and service buildings ($\Sigma q_1 p_o$, line 55, table 2); plus operator and family labor and management valued at wage rates paid to hired labor ($q_1 p_o$), and charges for capital at prevailing interest rates in the 1947-49 period ($q_1 p_o$). The charge for fixed capital or real estate is calculated by multiplying the current acreage in the farm or ranch by the weighted average value of land and buildings per acre in the base period and then multiplying these annual average estimates of investment by the average interest rate on farm mortgages in the base period.

In this instance, the charge for working capital is calculated by multiplying the respective January 1 inventory numbers of livestock in each class, the bushels of grain, tons of hay, and items of machinery by their respective average values in the base period 1947-49. The sum of the values of these items of working capital is then multiplied by the average interest rate on short-term farm credit in the 1947-49 period.

The formula for both the index of total production and the index of total input is

$\frac{\Sigma q_1 p_o}{(\Sigma q_1 p_o)_o}$, in which q_1 is the quantity of the respective items sold or purchased in each year and p_o represents the weighted average price received or paid for the respective item in the base period 1947-49. The average value of total inputs or outputs in the base period 1947-49 is represented by $(\Sigma q_1 p_o)_o$.

POWER AND MACHINERY, JANUARY 1

The index of power and machinery on farms is a relative measure of changes in mechanization of farms. It measures the relative quantity of power and machinery on the farm or ranch on January 1 of each year, but not the amount or extent of use that is made of the mechanical equipment on the farm.

A given type of farm may have a tractor, combine, cornpicker, milking machine, and all the complementary equipment in 1955. It may have had the same number of similar items in 1947-49. Another type of farm may have the same number of similar items of power and machinery as the former farm but the machinery and equipment may have twice the use on the latter farm. The difference in amount of use made of the power and machinery is not measured in this index. A change in quantity of machinery and equipment on the farm is measured, however. If a farmer now has a 3-plow tractor, a 2-row cornpicker, and a 12-foot combine, whereas formerly he had a 2-plow tractor, a 1-row cornpicker, and a 6-foot combine, this change in mechanization is indicated through changes in the values and physical quantities of the respective items. Numbers of important power and machinery items are recorded in the inventory. However, these numbers must be combined with each other and with various complementary items such as numbers of plows, cultivators, and mowers.

The index of power and machinery on January 1 is calculated by dividing the annual inventory value of the respective item by price relatives (1947-49 = 100) of a standard unit of the item. The sum of these quotients each year is then divided by the average of the sums in the years 1947-49. For example, for important single items such as tractors and motortrucks, the annual inventory values of trucks are divided by an index of price relatives (1947-49 = 100) of 2-ton trucks and the annual inventory values of tractors are divided by yearly price relatives (1947-49 = 100) of 20 to 29 belt horsepower tractors. The sum of the resulting quotients, together with those for other items, including general machinery and equipment, is divided by the

average of the quotients for the years 1947-49. The index thus reflects the year-to-year changes in value of machinery and equipment at 1947-49 prices.

CROP YIELDS PER ACRE

The index of crop yields is designed to give a summary measure of year-to-year changes in combined crop yields for all important crops on a specified type of farm. Miscellaneous crops are not included in the crop-yield index. Acreages and yields per acre of these crops frequently vary considerably from year to year, and to include them in the crop-yield index would distort rather than improve the index series.

Changes in the crop-yield index, together with changes in acreages of important crops, help to explain the year-to-year changes in crop production and farm output. The crop-yield index, together with the index of prices received for products sold, is important in explaining most of the change from year to year in gross and net farm income on many important types of crop farms.

The index of crop yields per acre is obtained by multiplying the average price received in 1947-49 for a unit (bushel, ton, or hundredweight) of the crop and the average net planted or harvested acreage of the crop in 1947-52 by the annual yields per acre of the respective crop. The sum of these products computed for each year is then divided by the sum of the product obtained from each crop by multiplying the average price received for a unit of the crop in 1947-49 and the 1947-52 average net planted or harvested acreage by the average yield per acre of the respective crop in 1947-49. The formula is

$$\frac{\sum y_1(p_o a_o)}{\sum y_o(p_o a_o)}$$
, in which y_1 represents per acre crop yields in the current year, y_o average yields per acre in the period 1947-49, p_o the average price received per unit of each respective crop in 1947-49, and a_o the average net planted or harvested acreage of the respective crops from 1947 to 1952.

The importance of the crop in the index is thus determined by the total value of the respective crop relative to the total value of other crops in the base period.

PRICES RECEIVED FOR PRODUCTS SOLD

The index of prices received is the total quantity of all products sold in the current year, each of which is valued at its respective current price divided by the same quantities of products valued at base period (1947-49) prices.

PRICES PAID, INCLUDING WAGES PAID TO HIRED LABOR

The index of prices paid is the total quantity of all commodities used in farm production in the current year, including hired labor, each of which is valued at its respective current price or wage rate paid, divided by the total value of the same quantities of items valued at 1947-49 prices and wage rates. The formula for both prices received and

prices and wage rates paid is $\frac{\sum q_1 p_1}{\sum q_o p_o}$, in which q_1 and p_1 represent current-year quantities and prices respectively, and p_o represents weighted average prices in the base period (1947-49).

Because a new set of weights (current-year quantities) are used each year, the series thus obtained is divided by the average values of the series for the 1947-49 period. These price series differ in concept from the series on prices constructed for the United States. The latter reflect changes in value of a fixed quantity of goods.

The objective of these price series constructed here for different types of farms is to obtain acceptable estimates of the measure of change in prices received and prices paid on given types of farms in given locations over time. In price-index calculations on farms of a given type and size over time, there is the problem of adequately measuring

the influence of new products that have recently come into production and of products that are waning in importance. There is also the problem of handling intermittent sales and purchases. Operators on some types of farms maintain well-balanced enterprises from which they produce the feed grains and roughages necessary to carry their livestock systems. Normally, they neither buy nor sell feed grains or roughages. Droughts occur occasionally and when they do they reduce crop yields or destroy new seedings. As a result, the farm operator is forced to buy feed grains or hay, or both, in order to continue his livestock operations. This occasional or intermittent buying or selling requires a different formula than the usual "fixed basket of goods" $\frac{(\sum q_0 p_1)}{(\sum q_0 p_0)}$, if changes in prices are to be measured adequately.

There is also the problem of adequately weighting a new commodity that is gaining in importance. Soybeans, for example, were relatively unimportant in the early thirties; they accounted for less than 10 percent of the sales of crops on some types of Corn Belt farms. Production and sales of soybeans on these farms increased steadily over the years and in recent years, sales of soybeans have accounted for about a third of the crop sales. The price-index formula whereby current-year and base-year prices are weighted by current quantities, as used here in the construction of index numbers of prices received and prices paid, simplifies the problem of new commodities and intermittent sales or purchases of various items and gives representative measures of changes in prices received and prices paid.

TABLE 3.--Dairy farms, central Northeast:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	170	171	170	171	171	172	173	174
2	Cropland harvested.....	do.	63	63	60	62	63	63	64	64
3	Open pasture.....	do.	59	60	61	62	62	63	64	64
4	Other land.....	do.	48	48	49	47	46	46	45	46
5	Crops harvested:									
6	Corn.....	do.	5.0	5.5	5.5	5.6	6.1	6.4	6.5	6.6
7	Small grains.....	do.	16.7	14.4	13.0	13.3	13.9	13.9	13.8	13.8
	Hay.....	do.	40.2	41.4	40.5	41.4	41.0	41.5	42.2	42.3
8	Crop yields per harvested acre:									
9	Corn for silage.....	Tons	8.3	10.5	9.5	9.0	9.5	9.5	8.5	9.5
10	Oats.....	Bushels	38.0	27.0	31.0	20.5	27.5	30.0	22.0	25.0
	Hay.....	Tons	1.2	1.3	1.2	1.1	1.0	1.4	1.1	1.4
11	Livestock on farm, January 1:									
12	All cattle.....	Number	25.9	25.5	25.4	25.7	25.3	23.5	24.0	25.3
13	Cows and heifers, 2 years old and over.....	do.	17.7	18.0	18.1	18.2	17.8	16.2	16.4	17.0
14	Chickens.....	do.	71	69	70	72	73	68	69	75
	Horses and mules.....	do.	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
15	Pigs raised.....	do.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	Tractors on farm.....	do.	.21	.22	.23	.23	.23	.24	.27	.31
17	Total labor used.....	Hours	5,490	5,480	5,280	5,280	5,100	5,030	5,020	5,240
18	Operator and family.....	do.	4,050	3,990	3,700	3,610	3,390	3,270	3,220	3,480
19	Hired.....	do.	1,440	1,490	1,580	1,670	1,710	1,760	1,800	1,760
20	Total farm capital, January 1.....	Dollars	11,100	10,000	7,900	7,600	8,000	8,400	8,800	9,000
21	Land and buildings.....	do.	6,300	5,700	4,600	4,800	5,000	5,200	5,200	5,200
22	Machinery and equipment.....	do.	1,300	1,300	1,100	1,000	1,000	1,000	1,000	1,000
23	Livestock.....	do.	2,900	2,200	1,600	1,400	1,400	1,400	2,000	2,100
24	Crops for sale, feed and seed.....	do.	600	800	600	400	600	800	600	700
25	Total cash receipts.....	do.	2,886	2,192	1,559	1,659	1,905	2,024	2,173	2,327
26	Crops.....	do.	57	38	27	44	41	34	37	26
27	Cattle and calves.....	do.	276	183	121	129	185	163	143	145
28	Dairy products.....	do.	2,253	1,751	1,219	1,310	1,468	1,527	1,719	1,847
29	Poultry and eggs.....	do.	244	191	163	154	183	260	232	238
30	Forest products.....	do.	56	29	29	22	25	37	27	30
31	Other, including Government payments.....	do.	---	---	---	---	3	3	15	41
32	Total cash expenditures.....	do.	2,184	1,704	1,340	1,346	1,539	1,661	1,798	2,149
33	Feed purchased.....	do.	778	505	403	434	525	519	567	698
34	Livestock purchased.....	do.	72	58	49	41	36	54	56	60
35	Other livestock expense.....	do.	57	53	47	46	48	51	53	58
36	Fertilizer and lime.....	do.	85	63	41	40	51	59	69	82
37	Other crop expense.....	do.	113	97	66	58	84	103	81	110
38	Machinery.....	do.	412	367	281	304	338	355	405	513
39	Farm buildings and fences.....	do.	119	71	37	51	64	108	115	142
40	Labor hired.....	do.	322	267	214	185	205	217	244	269
41	Taxes.....	do.	177	179	165	154	155	163	171	181
42	Other.....	do.	49	44	37	33	33	32	37	36
43	Net cash farm income.....	do.	702	488	219	313	366	363	375	178
44	Value of perquisites.....	do.	464	384	317	332	349	387	414	414
45	Change in inventory:									
46	Crops and livestock.....	do.	114	40	-3	-80	-163	146	-60	220
	Machinery and buildings.....	do.	-51	-91	-152	-101	-81	-19	14	99
47	Net farm income.....	do.	1,229	821	381	464	471	877	743	911
48	Charge for capital.....	do.	659	591	471	456	466	478	487	497
49	Return to operator and family labor.....	do.	570	230	-90	8	5	399	256	414
50	Purchasing power in 1937-41 dollars.....	do.	491	230	-106	9	5	399	256	402
51	Return per hour in current dollars.....	do.	.14	.06	-.02	0	0	.12	.08	.12
52	Index numbers (1947-49=100):	Percent	39	30	21	22	24	29	29	34
53	Gross farm income.....	do.	32	21	10	12	12	23	19	23
54	Net farm income.....	do.	82	83	78	75	71	79	71	84
55	Net farm production.....	do.	80	89	83	74	72	88	72	91
56	Crop yields per acre.....	do.	79	79	78	74	73	83	74	84
57	Production per hour of man labor.....	do.	97	94	93	90	88	96	88	97
58	Production per unit of input.....	do.	57	47	41	41	47	46	52	52
59	Operating expense per unit of production.....	do.	61	51	42	41	46	44	50	49
60	Total cost per unit of production.....	do.	86	83	79	74	71	67	66	68
61	Power and machinery, January 1.....	do.	50	38	28	29	34	39	41	42
62	Prices received for products sold.....	do.	57	48	39	38	43	45	46	51

Organization, production, costs and returns, 1930-51

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
175	176	177	178	179	182	183	185	186	188	190	190	191	193	1
64	64	65	65	66	66	67	70	70	66	71	70	71	72	2
65	65	66	66	66	66	67	67	68	69	70	70	70	72	3
46	47	46	47	47	50	49	48	48	53	49	50	50	49	4
6.7	6.8	6.7	6.8	6.8	6.8	7.4	6.9	7.2	7.1	8.0	8.5	8.7	8.8	5
14.1	14.0	14.5	14.3	14.2	11.7	10.8	14.0	14.3	12.3	15.6	15.6	16.3	16.6	6
42.1	41.5	42.3	42.3	43.4	46.5	47.5	48.2	47.6	46.0	46.5	45.5	45.5	46.0	7
10.0	8.9	8.0	10.0	10.0	9.2	8.5	8.4	9.3	9.0	10.0	10.3	10.0	9.9	8
33.0	31.5	36.5	30.0	38.0	17.0	31.0	29.0	40.0	27.5	40.0	29.0	43.0	48.0	9
1.4	1.2	1.5	1.1	1.5	1.6	1.4	1.6	1.6	1.6	1.6	1.3	1.6	1.7	10
27.2	28.3	29.4	29.7	29.6	29.9	31.5	32.8	32.2	32.4	32.8	33.4	34.0	34.4	11
18.3	18.7	19.4	19.8	19.9	20.1	20.8	21.9	21.9	22.0	21.8	22.0	22.4	22.5	12
66	70	73	69	73	83	85	76	88	78	85	81	91	90	13
2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.1	1.9	1.7	1.6	1.5	1.4	14
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15
.35	.37	.39	.43	.48	.53	.57	.62	.67	.80	.89	.97	1.06	1.14	16
5,340	5,310	5,440	5,350	5,420	5,480	5,500	5,530	5,330	5,300	5,230	5,200	5,040	4,860	17
3,540	3,470	3,640	3,590	3,760	3,900	4,020	4,130	3,980	4,040	4,060	4,020	3,890	3,730	18
1,800	1,840	1,800	1,760	1,660	1,580	1,480	1,400	1,350	1,260	1,170	1,180	1,150	1,130	19
9,100	9,400	9,600	10,100	11,200	13,000	14,000	15,400	16,900	19,400	21,000	24,000	23,200	25,700	20
5,200	5,300	5,300	5,700	5,900	6,400	7,100	8,000	9,100	10,200	11,000	11,800	11,500	12,200	21
1,100	1,200	1,200	1,300	1,500	1,600	1,600	1,700	1,800	2,000	2,300	2,900	3,500	3,800	22
2,300	2,300	2,200	2,400	2,800	4,000	4,200	4,300	4,600	5,800	6,100	7,300	6,200	7,400	23
500	600	900	700	1,000	1,000	1,000	1,400	1,400	1,400	2,000	2,000	2,000	2,300	24
2,261	2,311	2,715	3,324	4,144	4,874	5,670	6,305	7,095	7,593	8,622	7,379	7,463	8,718	25
20	22	22	24	36	63	81	81	45	62	72	80	42	41	26
217	212	268	320	405	413	345	557	646	799	1,007	880	1,065	1,291	27
1,737	1,784	2,127	2,634	3,236	3,671	4,002	4,291	5,311	5,953	6,758	5,705	5,635	6,510	28
223	217	218	269	359	518	444	493	547	624	694	632	770	729	29
34	32	33	28	51	60	62	25	35	81	53	49	63	60	30
30	39	42	49	57	149	736	858	511	74	38	33	37	46	31
2,016	2,078	2,241	2,534	2,874	3,219	3,873	3,954	4,308	4,830	5,558	5,175	5,409	5,804	32
571	580	660	767	970	1,276	1,716	1,688	1,822	2,079	2,394	1,867	1,982	2,071	33
55	53	49	36	58	86	84	66	75	92	126	121	115	127	34
62	70	76	83	89	93	98	107	120	137	139	154	161	172	35
83	90	112	142	139	146	172	180	193	209	225	241	232	246	36
99	82	93	87	113	137	155	186	191	214	288	269	251	271	37
516	544	575	619	645	555	694	776	804	826	1,078	1,211	1,349	1,456	38
129	150	164	214	192	175	163	149	271	345	389	350	314	332	39
274	271	274	341	420	501	535	533	541	588	552	550	538	577	40
187	195	193	194	192	185	186	191	204	239	260	298	323	342	41
40	43	45	51	56	65	70	78	87	101	107	114	144	165	42
245	233	474	790	1,270	1,655	1,797	2,351	2,787	2,763	3,064	2,204	2,054	2,914	43
391	387	402	464	565	695	674	746	803	935	980	935	931	1,025	44
115	-58	111	124	228	-9	109	86	131	-211	470	-240	353	322	45
70	102	122	164	113	-19	70	78	167	155	315	305	201	214	46
821	664	1,109	1,294	2,176	2,322	2,650	3,261	3,888	3,642	4,829	3,204	3,539	4,475	47
493	489	498	531	576	665	704	735	833	976	1,071	1,225	1,216	1,378	48
328	175	611	763	1,600	1,657	1,946	2,526	3,055	2,666	3,758	1,979	2,323	3,097	49
335	180	630	727	1,333	1,237	1,380	1,718	1,874	1,396	1,860	1,010	1,173	1,434	50
.09	.05	.17	.21	.43	.42	.48	.61	.77	.66	.93	.49	.60	.83	51
31	30	37	42	56	63	73	81	91	94	114	92	99	114	52
21	17	28	33	56	60	68	84	100	94	124	82	91	115	53
85	81	86	98	87	87	94	97	98	104	98	113	114	113	54
94	83	95	83	99	92	93	99	106	98	109	93	110	116	55
83	80	88	85	94	83	83	89	96	97	104	99	117	122	56
96	92	99	93	101	92	92	96	99	100	103	97	105	106	57
49	51	50	57	60	75	84	81	86	97	103	100	96	103	58
47	49	47	55	58	74	81	80	85	98	100	102	94	102	59
72	74	78	84	87	91	88	93	99	96	96	108	126	126	60
38	38	42	49	59	70	71	73	89	96	112	92	88	103	61
48	47	49	53	60	68	75	77	85	97	105	98	98	106	62

TABLE 4.--Dairy farms, eastern Wisconsin:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	114	114	114	114	115	115	115	115
2	Cropland harvested.....	do.	58	58	57	57	57	63	63	65
3	Crops harvested:									
4	Corn for grain.....	do.	2.9	3.7	4.1	4.5	4.4	5.4	2.4	4.7
5	Corn for silage.....	do.	9.1	8.9	8.4	8.1	8.8	8.4	9.9	9.8
6	Small grains.....	do.	22.6	22.8	24.8	24.8	24.4	26.9	25.9	27.6
	Hay.....	do.	20.8	19.7	17.0	17.2	17.2	19.8	22.3	20.4
7	Crop yields per harvested acre:									
8	Corn for grain.....	bushels	38.3	32.6	39.2	38.8	33.4	37.0	27.2	34.0
9	Corn for silage.....	Tons	7.8	6.7	7.9	8.5	7.4	8.3	4.6	6.8
10	Oats.....	bushels	42.7	28.5	39.4	32.1	32.1	37.8	30.1	34.4
	Hay.....	Tons	1.5	1.3	1.3	1.6	1.1	2.0	1.5	1.4
11	Livestock on farm, January 1:									
12	All cattle.....	Number	19.4	19.9	20.1	20.1	20.7	20.7	20.9	21.4
13	Cows and heifers, 2 years old and over.....	do.	14.0	14.4	14.5	14.7	15.2	15.1	15.1	15.2
14	Chickens.....	do.	.87	.90	.90	.89	.93	.93	.98	103
	Horses and mules.....	do.	3.5	3.4	3.3	3.2	3.2	3.4	3.4	3.4
15	Pigs raised.....	do.	13.3	15.3	14.1	15.8	15.1	11.7	15.8	13.9
16	Tractors on farm.....	do.	.44	.45	.46	.47	.49	.49	.51	.53
17	Total labor used.....	Hours	5,340	5,410	5,400	5,460	5,570	5,740	5,680	5,810
18	Operator and family.....	do.	4,710	4,810	4,830	4,880	4,930	5,010	4,870	5,080
19	Hired.....	do.	630	600	570	580	640	730	810	730
20	Total farm capital, January 1.....	Dollars	15,820	13,870	11,860	10,330	10,430	11,070	11,890	12,510
21	Land and buildings.....	do.	11,740	10,440	9,200	8,090	8,090	8,300	8,540	9,010
22	Machinery and equipment.....	do.	1,280	1,210	1,110	1,000	960	990	1,050	1,150
23	Livestock.....	do.	2,150	1,570	1,090	840	860	1,020	1,790	1,750
24	Crops for sale, feed and seed.....	do.	650	650	460	400	520	760	510	600
25	Total cash receipts.....	do.	2,262	1,600	1,131	1,207	1,454	1,867	2,146	2,293
26	Crops.....	do.	233	177	65	81	140	155	144	178
27	Cattle and calves.....	do.	285	201	142	124	155	232	242	296
28	Hogs.....	do.	225	167	87	93	109	169	255	242
29	Dairy products.....	do.	1,304	938	716	777	863	1,040	1,276	1,329
30	Poultry and eggs.....	do.	215	177	121	108	156	224	199	191
31	Other, including Government payments.....	do.	---	---	24	31	47	26	57	57
32	Total cash expenditures.....	do.	1,339	1,044	760	712	851	944	1,180	1,468
33	Feed purchased.....	do.	271	218	141	141	205	125	227	389
34	Livestock purchased.....	do.	10	8	6	7	7	10	13	9
35	Other livestock expense.....	do.	11	10	7	6	8	8	8	11
36	Fertilizer and lime.....	do.	13	11	6	3	6	10	10	12
37	Other crop expense.....	do.	12	25	16	11	12	15	18	35
38	Machinery.....	do.	518	400	324	294	337	404	474	543
39	Farm buildings and fences.....	do.	165	103	54	71	85	143	169	187
40	Labor hired.....	do.	146	106	69	62	72	96	125	127
41	Taxes.....	do.	158	135	114	97	95	107	107	122
42	Other.....	do.	35	28	23	20	24	26	29	33
43	Net cash farm income.....	do.	923	556	371	495	603	923	966	825
44	Value of perquisites.....	do.	443	356	292	293	324	388	407	409
45	Change in inventory:									
46	Crops and livestock.....	do.	61	-113	21	39	-149	197	-291	56
	Machinery and buildings.....	do.	-47	-137	-181	-139	-117	-4	51	113
47	Net farm income.....	do.	1,380	662	503	688	661	1,504	1,133	1,403
48	Charge for capital.....	do.	939	818	696	593	582	595	604	616
49	Return to operator and family labor.....	do.	441	-156	-193	95	79	909	529	787
50	Purchasing power in 1937-41 dollars.....	do.	380	-156	-227	109	81	909	529	764
51	Return per hour in current dollars.....	do.	.09	-.03	-.04	.02	.02	.18	.11	.15
52	Index numbers (1947-49=100):	Percent	35	23	18	19	20	31	28	35
53	Gross farm income.....	do.	32	15	12	16	15	34	26	32
54	Net farm income.....	do.	77	68	72	73	72	86	73	78
55	Net farm production.....	do.	81	65	77	77	64	86	65	71
56	Crop yields per acre.....	do.	77	67	71	71	69	80	69	71
57	Production per hour of man labor.....	do.	87	78	82	84	83	97	82	87
58	Production per unit of input.....	do.	52	48	37	34	39	34	45	49
59	Operating expense per unit of production.....	do.	64	57	45	40	42	39	50	51
60	Total cost per unit of production.....	do.	67	63	61	55	51	51	53	57
61	Power and machinery, January 1.....	do.	47	34	25	26	29	39	42	44
62	Prices received for products sold.....	do.	57	47	41	39	44	47	48	53
	Prices paid, incl. wages to hired labor.....	do.								

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
115 63	115 62	115 62	115 61	116 62	117 63	117 66	118 66	119 66	119 66	120 66	121 67	122 67	123 66	1 2
5.7 8.2 26.5 20.6	5.1 7.9 24.5 22.3	5.1 8.0 23.7 23.2	5.2 7.6 22.3 23.7	5.7 8.1 22.4 23.3	6.2 8.3 22.5 23.4	7.1 9.0 23.3 24.1	6.5 9.5 23.2 24.3	6.2 9.4 23.5 25.0	6.6 9.2 24.5 24.8	6.6 9.3 24.7 23.6	7.5 8.5 24.7 23.6	6.5 9.6 24.7 23.8	6.4 8.6 24.5 24.4	3 4 5 6
41.5 8.8 37.9 2.0	40.4 8.2 34.0 1.6	43.3 9.0 47.9 2.1	42.4 8.5 38.5 1.8	46.9 8.7 49.4 2.1	47.2 8.7 44.1 1.9	48.1 8.6 49.0 1.8	44.2 8.1 60.9 2.0	48.3 8.5 52.9 1.7	47.2 8.4 51.4 1.8	48.3 8.4 50.7 1.7	55.0 10.1 47.1 2.0	48.3 8.6 55.7 2.1	48.8 8.5 57.3 2.8	7 8 9 10
21.4 15.2 93 3.4	21.4 15.1 90 3.3	22.4 15.6 91 3.2	23.2 15.8 90 3.1	24.2 16.5 99 3.0	24.6 16.9 108 2.9	25.5 17.4 114 2.8	26.1 17.8 107 2.5	26.2 18.0 112 2.3	26.1 18.1 108 2.0	25.6 18.0 106 1.8	25.1 17.5 104 1.6	25.3 17.5 107 1.4	25.8 17.5 104 1.2	11 12 13 14
14.7	16.3	19.1	18.7	21.9	24.3	23.1	18.5	19.9	18.4	18.8	20.2	20.8	24.5	15
.56	.59	.62	.65	.69	.74	.79	.88	.92	.97	1.06	1.14	1.22	1.32	16
5,810 5,050 760	5,670 4,930 740	5,870 5,090 780	5,760 5,000 760	5,970 5,210 760	5,960 5,200 760	5,910 5,130 930	5,830 4,900 910	5,690 4,780 890	5,560 4,670 860	5,360 4,500 860	5,090 4,280 810	4,990 4,190 800	4,880 4,100 780	17 18 19
12,600 8,920 1,290 1,680 510	12,370 8,700 1,330 1,800 540	12,220 8,550 1,330 1,830 510	12,400 8,340 1,470 1,940 650	14,000 8,980 1,740 2,610 670	15,280 9,390 1,880 3,170 840	17,070 10,410 2,020 3,460 1,180	18,320 11,290 2,220 3,360 1,580	20,410 12,870 2,640 3,730 1,780	24,480 15,360 3,370 4,700 2,260	27,660 16,940 4,270 5,090 2,120	29,980 17,950 4,530 5,640 1,990	28,530 16,940 5,010 5,070 2,210	33,700 20,320 5,010 6,160 2,240	20 21 22 23 24
2,112 202 266 223 1,147 202 72	2,042 164 294 206 1,109 1,291 167 102	2,250 186 349 355 1,791 2,112 243 91	3,037 197 490 612 2,112 2,641 391 102	3,976 292 474 527 2,780 2,953 511 135	4,803 318 609 666 3,956 4,014 471 557	5,319 473 693 603 3,956 4,610 517 628	5,783 563 974 991 4,014 3,593 505 486	6,878 416 975 782 4,610 628 625 113	7,280 265 809 809 4,610 3,669 600 118	7,899 1,177 1,035 809 3,593 1,701 628 121	6,393 1,177 1,254 809 3,669 1,902 494 133	6,610 263 1,410 1,056 4,548 2,109 635 31	8,068 286 27 28 29 30 31	
1,290 236 11 9 14 33 522 179 128 127 31	1,220 210 11 7 12 18 505 184 119 124 30	1,528 340 9 9 21 23 672 190 158 108 34	1,670 298 186 9 28 15 790 213 200 114 45	2,207 705 14 9 58 33 782 238 246 115 49	2,371 879 21 11 58 32 728 237 286 132 55	2,817 1,020 22 13 70 51 951 217 286 152 80	2,567 835 40 99 609 40 827 1,015 320 168 91	3,029 807 40 99 693 49 827 1,334 415 331 113	3,718 915 40 119 142 60 1,812 1,701 502 383 144	4,587 1,112 46 142 157 82 1,812 1,701 410 371 146	4,084 774 46 160 138 71 1,902 1,701 426 342 152	4,382 830 46 191 154 75 2,109 1,902 524 381 180	4,935 996 33 35 36 37 38 39 40 41 42	
822	822	722	1,367	1,769	2,432	2,502	3,216	3,849	3,562	3,312	2,309	2,228	3,133	43
371	357	356	430	490	546	529	566	663	753	856	786	736	865	44
137 47	-39 74	175	9	186 84	114 -23	82 4	177 121	-235 299	-51 458	-199 748	228 337	142 460	369 562	45
1,377	1,214	1,355	2,051	2,529	3,069	3,117	4,080	4,576	4,722	4,717	3,660	3,566	4,929	47
604	588	563	573	638	697	773	861	968	1,141	1,305	1,457	1,401	1,676	48
773 789 .15	626 645 .13	792 816 .16	1,478 1,408 .30	1,891 1,576 .36	2,372 1,770 .46	2,344 1,662 .46	3,219 2,190 .66	3,608 2,213 .75	3,581 1,875 .77	3,412 1,689 .76	2,203 1,124 .51	2,165 1,093 .52	3,253 1,506 .79	49 50 51
33 32 87 71 80 78 95 41 45 61 39 50	30 28 83 90 99 82 94 44 45 62 36 49	35 31 89 93 87 83 93 61 51 68 38 48	44 47 93 92 102 82 92 61 72 60 71	58 58 92 91 95 82 92 69 82 70 74 60	68 70 91 100 96 91 89 81 75 73	74 71 93 105 105 98 102 67 85 90 82	82 40 97 102 98 91 99 78 85 90 82	92 40 97 102 98 91 99 78 85 90 82	100 108 102 101 105 98 102 90 106 100 96 105	107 108 97 101 97 98 102 90 106 111 99 103	93 84 102 105 107 105 101 101 100 111 99 112	94 46 191 191 158 154 71 75 426 381 268 106 82 113 108 118 121 106 108 112	117 34 35 54 55 56 57 58 59 60 61 62	

TABLE 5.--Dairy farms, western Wisconsin:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	130	127	127	127	127	127	128	129
2	Cropland harvested.....	do.	55	54	53	53	49	56	58	58
3	Crops harvested:									
4	Corn for grain.....	do.	2.9	3.3	4.0	3.8	4.3	5.1	2.4	4.3
5	Corn for silage.....	do.	6.4	6.4	5.6	6.2	7.4	6.0	7.8	6.5
6	Small grains.....	do.	21.6	21.5	22.2	21.0	18.6	24.4	21.3	21.3
	Hay.....	do.	22.2	21.1	19.9	21.0	17.4	18.5	25.6	24.0
7	Crop yields per harvested acre:									
8	Corn for grain.....	Bushels	33.5	26.3	36.8	34.3	31.0	33.2	22.1	32.8
9	Corn for silage.....	Tons	6.4	5.0	6.5	6.9	6.3	7.1	3.7	6.7
10	Oats.....	Bushels	38.1	27.2	31.2	21.8	22.0	29.9	20.1	31.7
	Hay.....	Tons	1.4	1.1	1.3	1.1	.8	1.8	1.3	1.5
11	Livestock on farm, January 1:									
12	All cattle.....	Number	19.3	20.2	20.2	20.0	20.2	18.5	18.8	19.3
13	Cows and heifers, 2 years old and over.....	do.	13.1	13.8	13.8	13.8	14.0	13.1	13.0	13.0
14	Chickens.....	do.	.76	.79	.78	.78	.83	.80	.85	.92
	Horses and mules.....	do.	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.5
15	Pigs raised.....	do.	10.8	11.6	18.4	12.0	11.1	7.7	10.7	9.5
16	Tractors on farm.....	do.	.20	.20	.21	.21	.22	.22	.23	.24
17	Total labor used.....	Hours	4,940	5,060	5,040	5,020	5,060	4,980	4,930	5,000
18	Operator and family.....	do.	4,460	4,600	4,580	4,560	4,580	4,430	4,350	4,460
19	Hired.....	do.	480	460	460	460	480	550	580	540
20	Total farm capital, January 1.....	Dollars	12,820	10,770	8,840	7,420	7,360	7,740	8,460	8,910
21	Land and buildings.....	do.	9,300	7,900	6,670	5,580	5,510	5,640	5,800	6,120
22	Machinery and equipment.....	do.	890	800	750	680	640	640	660	700
23	Livestock.....	do.	2,070	1,520	1,060	820	840	920	1,600	1,580
24	Crops for sale, feed and seed.....	do.	560	550	360	340	370	540	400	510
25	Total cash receipts.....	do.	1,751	1,217	838	858	1,009	1,315	1,489	1,602
26	Crops.....	do.	96	47	25	29	43	50	35	51
27	Cattle and calves.....	do.	250	177	116	102	135	191	193	240
28	Hogs.....	do.	174	126	65	63	71	93	155	145
29	Dairy products.....	do.	1,051	724	538	561	612	766	926	963
30	Poultry and eggs.....	do.	180	143	94	85	126	181	162	163
31	Other, including Government payments.....	do.	---	---	---	18	22	34	18	40
32	Total cash expenditures.....	do.	872	751	566	528	638	649	750	1,004
33	Feed purchased.....	do.	131	144	103	121	199	88	105	255
34	Livestock purchased.....	do.	9	7	5	6	6	9	11	8
35	Other livestock expense.....	do.	10	9	5	5	6	7	6	8
36	Fertilizer and lime.....	do.	10	8	5	3	6	10	10	13
37	Other crop expense.....	do.	11	27	18	12	11	13	22	41
38	Machinery.....	do.	334	288	244	205	221	266	308	358
39	Farm buildings and fences.....	do.	108	68	34	45	53	90	106	122
40	Labor hired.....	do.	99	68	45	41	47	65	81	84
41	Taxes.....	do.	136	112	92	74	72	81	81	93
42	Other.....	do.	24	20	15	16	17	20	20	22
43	Net cash farm income.....	do.	879	466	272	330	371	666	739	598
44	Value of perquisites.....	do.	433	334	263	266	298	372	396	401
45	Change in inventory:									
46	Crops and livestock.....	do.	59	-129	48	-36	-167	180	-188	124
	Machinery and buildings.....	do.	-19	-73	111	-86	-77	-7	-29	70
47	Net farm income.....	do.	1,352	598	694	474	425	1,211	976	1,193
48	Charge for capital.....	do.	764	639	521	428	413	417	433	442
49	Return to operator and family labor.....	do.	588	-41	173	46	12	794	543	751
50	Purchasing power in 1937-41 dollars.....	do.	507	-41	204	53	12	794	543	729
51	Return per hour in current dollars.....	do.	.13	-.01	.04	.01	1/	.18	.12	.17
52	Index numbers (1947-49 = 100):									
53	Gross farm income.....	Percent	36	23	18	18	18	30	27	34
54	Net farm income.....	do.	41	18	21	14	13	37	30	36
55	Net farm production.....	do.	87	74	78	71	66	88	75	83
56	Crop yields per acre.....	do.	91	70	87	73	62	96	67	89
57	Production per hour of man labor.....	do.	84	69	74	67	62	84	72	78
58	Production per unit of input.....	do.	100	85	101	85	79	104	88	96
59	Operating expense per unit of production.....	do.	39	40	21	31	38	29	36	41
60	Total cost per unit of production.....	do.	57	53	36	38	43	35	45	45
61	Power and machinery, January 1.....	do.	62	55	54	50	45	44	45	46
62	Prices received for products sold.....	do.	46	31	23	24	27	37	40	42
	Prices paid, incl. wages to hired labor.....	do.	57	47	40	37	42	45	46	52

¹Less than one cent.

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
129 57	130 56	131 57	131 57	132 56	132 58	132 59	133 61	134 60	135 59	136 60	137 60	138 60	139 60	1 2
5.4 5.5 21.3 23.9	5.8 5.6 6.0 18.0 25.7	5.6 5.7 6.0 16.9 26.7	6.0 5.7 6.2 16.8 27.1	6.6 6.0 7.3 17.3 25.5	6.7 6.2 7.3 17.1 25.8	7.0 7.8 7.9 18.8 1.9	6.3 8.2 7.6 18.1 1.8	5.9 8.2 7.4 18.1 1.5	6.3 7.9 6.9 17.8 1.8	6.8 8.0 6.9 18.4 1.5	7.7 10.3 6.3 18.6 26.9	6.7 8.6 7.1 18.6 26.4	6.6 8.8 6.4 18.4 26.9	3 4 5 6
36.9 8.2 24.9 1.6	39.0 8.0 30.5 1.4	41.1 8.3 40.9 1.7	40.0 8.1 27.8 1.7	42.9 7.8 40.0 1.9	43.4 8.2 36.0 1.8	42.3 7.9 36.6 1.5	40.0 7.6 42.6 1.8	41.3 7.5 34.1 1.5	42.0 8.0 37.3 1.6	43.5 8.6 37.8 1.2	49.6 10.3 35.2 1.2	43.5 8.8 41.6 1.4	43.9 8.7 42.7 1.9	7 8 9 10
19.8 13.3 83 3.4	20.7 13.8 82 3.4	21.5 14.3 87 3.4	22.2 14.5 87 3.3	23.2 15.3 99 3.3	23.8 15.8 109 3.2	24.8 16.3 116 3.1	25.0 16.8 112 2.9	25.0 16.6 111 2.7	24.7 16.4 108 2.5	24.3 16.2 105 2.2	23.8 15.7 103 2.0	24.0 15.7 106 1.6	24.5 15.7 103 1.5	11 12 13 14
10.2	11.4	13.8	13.9	15.7	17.6	16.5	11.0	11.8	11.0	11.1	11.9	12.2	14.4	15
.26	.29	.32	.35	.39	.44	.50	.56	.59	.63	.71	.78	.85	.90	16
5,050 4,510 540	5,180 4,620 560	5,330 4,750 580	5,310 4,730 600	5,470 4,870 600	5,490 4,890 590	5,440 4,850 540	5,390 4,850 520	5,150 4,630 500	4,980 4,480 470	4,710 4,240 470	4,550 4,090 460	4,440 4,000 440	4,320 3,890 430	17 18 19
8,890 5,890 790 1,710 500	8,470 5,540 810 1,700 420	8,260 5,240 900 1,840 560	8,300 5,000 1,080 2,470 600	9,420 5,270 1,270 3,000 740	10,530 5,520 1,400 3,290 1,020	11,700 5,990 1,480 3,160 1,210	12,500 6,650 1,680 3,440 1,220	13,860 7,520 2,000 4,270 1,340	16,460 8,850 2,570 4,590 1,720	18,590 9,710 3,280 5,090 1,570	20,250 10,310 3,500 4,590 1,520	19,320 9,710 3,500 4,580 1,660	22,610 11,510 3,860 5,580 1,660	20 21 22 23 24
1,461 59 215 141 827 168 51	1,445 50 266 133 793 143 73	1,663 61 305 138 1,423 155 70	2,360 71 460 249 1,736 231 81	3,158 98 436 421 2,182 357 86	3,916 116 556 518 2,278 550 114	4,266 124 556 518 2,374 463 464	4,462 186 624 318 3,100 516 512	5,215 183 889 435 3,170 489 384	5,483 182 889 435 3,758 604 84	6,165 130 1,060 540 3,170 605 72	5,129 118 928 432 2,966 592 93	5,334 117 1,133 447 3,054 487 96	6,534 139 1,279 584 3,800 626 106	25 26 27 28 29 30 31
851 137	857 171	1,083 238	1,247 274	1,634 554	1,801 720	2,198 889	2,189 857	2,673 880	3,146 948	3,734 1,009	3,264 626	3,502 737	3,912 815	32 33
10 7 11 39 334 116 83 94 20	10 6 11 14 334 121 79 91 20	9 7 20 23 447 123 81 111 24	13 7 28 13 537 141 105 102 33	21 8 56 33 503 155 133 115 33	24 9 69 24 654 142 190 119 41	22 0 80 49 637 145 200 131 60	28 78 97 31 791	40 95 115 45 1,045	46 109 130 64 1,431	46 123 118 57 1,434	46 146 126 74 74	46 146 127 75 37	34 35 36 38 39 38 40 41 42	
610	588	580	1,113	1,524	2,115	2,068	2,273	2,542	2,337	2,431	1,865	1,832	2,622	43
354	333	346	431	455	504	472	489	567	632	696	625	575	658	44
97 29	51 11	130 79	51 186	179 80	84 6	-93 24	130 126	-325 157	-7 392	-295 644	204 328	85 381	240 509	45 46
1,090	983	1,135	1,781	2,238	2,709	2,471	3,008	2,941	3,354	3,476	3,022	2,873	4,029	47
430	408	385	392	437	491	542	601	671	789	904	1,020	984	1,171	48
661 674 .15	575 593 .12	750 773 .16	1,389 1,323 .29	1,801 1,501 .37	2,218 1,655 .45	1,929 1,368 .40	2,407 1,637 .50	2,270 1,393 .49	2,565 1,343 .57	2,572 1,273 .61	2,002 1,021 .49	1,889 954 .47	2,858 1,323 .73	49 50 51
31 33 87 91 82 99 35 42 50 36 48	29 30 86 91 79 96 36 42 51 34 46	34 35 93 107 83 100 38 41 51 49 49	46 54 93 98 84 100 40 56 66 59	61 68 99 113 85 99 53 67 69 71	73 82 97 109 84 91 61 80 74 69	75 75 90 100 78 91 77 78 85 72	82 92 90 110 84 89 70 78 87 89	88 92 99 103 83 89 92 95 88 99	98 92 95 94 93 99 95 98 98 99	106 106 107 103 111 105 110 107 96 111	96 92 106 103 113 105 95 98 96 109	97 87 106 104 113 104 101 96 91 102	120 123 111 116 122 113 107 104 122 110	52 53 54 55 56 57 58 59 60 61

TABLE 6.--Hog-dairy farms, Corn Belt:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	155	155	155	155	155	155	155	155
2	Cropland harvested.....	do.	96	95	96	93	79	92	90	92
3	Crops harvested:									
4	Corn for grain.....	do.	31.9	31.7	32.9	30.9	25.5	31.6	31.2	31.9
5	Corn for silage.....	do.	4.3	4.6	4.0	4.3	5.4	4.4	6.9	4.7
6	Small grains.....	do.	33.2	32.1	34.1	31.6	27.7	30.4	22.7	33.2
	Hay.....	do.	26.6	26.6	25.0	26.2	20.4	25.6	29.2	22.2
7	Crop yields per harvested acre:									
8	Corn for grain.....	Bushels	38.0	40.0	47.0	41.0	37.0	45.7	30.1	47.0
9	Corn for silage.....	Tons	7.5	8.2	9.0	8.5	8.0	9.8	6.3	9.2
10	Oats.....	Bushels	39.0	35.0	38.0	27.0	14.0	37.0	32.8	45.5
	Hay.....	Tons	1.6	1.6	1.7	1.6	1.2	2.1	1.5	1.8
11	Livestock on farm, January 1:									
12	All cattle.....	Number	22.5	22.1	21.8	21.7	21.2	21.3	22.1	22.8
13	Cows and heifers, 2 years old and over.....	do.	13.6	13.5	13.4	13.4	13.2	13.0	13.2	13.6
14	Chickens.....	do.	156	149	140	136	141	124	129	134
	Horses and mules.....	do.	4.0	4.0	3.9	3.9	3.9	3.7	3.5	3.3
15	Pigs raised.....	do.	66	74	70	71	50	52	58	59
16	Tractors on farm.....	do.	.26	.32	.33	.33	.33	.34	.39	.44
17	Total labor used.....	Hours	5,660	5,650	5,520	5,400	5,010	5,120	5,130	5,130
18	Operator and family.....	do.	4,470	4,580	4,460	4,360	4,040	4,010	4,110	3,990
19	Hired.....	do.	1,190	1,070	1,060	1,040	970	1,110	1,020	1,140
20	Total farm capital, January 1.....	Dollars	20,200	17,300	13,570	10,370	11,490	12,850	14,580	14,970
21	Land and buildings.....	do.	14,720	12,710	10,230	7,750	8,680	9,460	10,390	10,380
22	Machinery and equipment.....	do.	1,360	1,370	1,290	1,150	1,060	1,070	1,150	1,260
23	Livestock.....	do.	2,730	2,090	1,300	1,040	1,050	1,070	2,160	2,060
24	Crops for sale, feed and seed.....	do.	1,390	1,130	750	430	700	1,250	880	1,270
25	Total cash receipts.....	do.	2,945	2,108	1,435	1,479	1,752	2,121	3,001	2,970
26	Crops.....	do.	31	0	0	52	0	0	142	0
27	Cattle and calves.....	do.	389	250	177	167	175	212	227	279
28	Hogs.....	do.	1,128	828	494	527	613	681	1,347	1,337
29	Dairy products.....	do.	1,081	801	606	592	631	786	973	1,008
30	Poultry and eggs.....	do.	316	229	158	141	175	217	214	234
31	Other, including Government payments.....	do.	---	---	---	---	158	225	98	112
32	Total cash expenditures.....	do.	1,801	1,496	1,178	1,065	1,321	1,428	1,535	1,960
33	Feed purchased.....	do.	170	192	128	107	315	160	161	386
34	Livestock purchased.....	do.	41	28	20	21	20	22	24	21
35	Other livestock expense.....	do.	83	74	61	59	59	53	63	67
36	Fertilizer and lime.....	do.	21	14	7	4	8	14	19	18
37	Other crop expense.....	do.	70	68	48	48	42	80	62	91
38	Machinery.....	do.	597	500	450	410	430	532	604	685
39	Farm buildings and fences.....	do.	213	142	85	83	114	170	191	220
40	Labor hired.....	do.	323	224	156	133	138	187	193	250
41	Taxes.....	do.	232	206	179	156	150	163	168	170
42	Other.....	do.	51	48	44	44	45	47	50	52
43	Net cash farm income.....	do.	1,144	612	257	414	431	693	1,466	1,010
44	Value of perquisites.....	do.	432	366	286	251	274	344	357	366
45	Change in inventory:									
46	Crops and livestock.....	do.	-73	-59	-37	-165	-676	558	-655	280
	Machinery and buildings.....	do.	-11	-149	-202	-146	-80	41	78	138
47	Net farm income.....	do.	1,492	770	378	354	-51	1,636	1,246	1,794
48	Charge for capital.....	do.	1,232	1,053	824	607	643	702	750	754
49	Return to operator and family labor.....	do.	260	-283	-446	-253	-694	934	496	1,040
50	Purchasing power in 1937-41 dollars.....	do.	224	-283	-525	-291	-708	934	496	1,010
51	Return per hour in current dollars.....	do.	.06	-.06	-.10	-.06	-.17	.23	.12	.26
52	Index numbers (1947-49=100):									
53	Gross farm income.....	Percent	32	24	17	15	13	30	27	35
54	Net farm income.....	do.	26	14	7	6	-1	29	22	32
55	Net farm production.....	do.	71	71	76	69	53	71	64	77
56	Crop yields per acre.....	do.	74	74	84	72	57	86	62	88
57	Production per hour of man labor.....	do.	57	57	63	58	48	63	57	69
58	Production per unit of input.....	do.	75	75	82	77	65	83	81	88
59	Operating expense per unit of production.....	do.	59	52	41	41	55	45	52	51
60	Total cost per unit of production.....	do.	72	60	44	41	54	46	55	50
61	Power and machinery, January 1.....	do.	66	67	66	61	55	53	56	60
62	Prices received for products sold.....	do.	45	32	22	22	25	40	44	44
	Prices paid, incl. wages to hired labor.....	do.	55	46	38	39	42	46	61	50

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
155 90	155 88	155 89	155 88	156 91	156 93	156 99	157 96	157 96	157 93	158 96	158 98	159 99	159 97	1 2
29.4 3.8 32.5 24.3	28.4 3.6 29.3 26.7	25.4 3.7 29.1 30.6	26.3 3.5 29.4 29.1	29.8 3.5 27.4 28.3	32.7 3.7 28.2 29.2	36.7 4.1 26.7 30.0	36.0 4.2 29.9 29.1	34.1 4.0 28.4 28.0	31.9 4.3 30.7 28.4	33.9 4.0 30.7 27.4	34.1 3.8 31.5 28.6	32.6 4.0 32.1 30.3	33.6 3.5 28.7 31.2	3 4 5 6
54.9 10.7 33.5 2.0	60.1 12.0 34.0 1.7	58.7 10.4 44.2 1.9	54.6 10.5 35.0 2.0	62.2 11.4 42.2 2.1	65.7 12.1 39.2 2.0	60.2 10.1 37.9 2.0	53.2 9.8 49.2 2.2	64.6 12.0 43.9 2.0	40.4 7.8 40.8 2.1	64.2 10.3 56.0 1.9	59.3 11.6 49.9 2.1	55.3 10.7 50.0 2.1	58.5 9.7 44.4 2.4	7 8 9 10
24.0 14.0 126 3.2	25.1 14.4 142 3.2	25.5 14.7 150 3.1	25.8 14.9 148 3.0	26.1 15.1 170 2.9	26.8 15.4 190 2.7	27.4 15.8 202 2.5	26.8 15.7 182 2.2	26.6 15.3 178 1.9	26.8 15.3 166 1.6	27.1 15.4 159 1.4	26.8 15.6 148 1.1	27.2 15.6 156 1.0	28.5 15.8 151 .9	11 12 13 14
68	74	74	81	89	97	81	85	78	82	84	101	106	111	15
.52	.54	.60	.66	.75	.82	.83	.90	.96	1.02	1.09	1.17	1.26	1.35	16
5,090 3,950 1,140	5,090 3,940 1,150	5,070 3,920 1,150	4,990 3,900 1,090	5,030 5,990 1,040	5,030 4,030 1,000	5,060 4,110 950	4,960 4,080 880	4,750 3,850 900	4,620 3,740 880	4,540 3,670 870	4,500 3,630 870	4,450 3,600 850	4,430 3,630 800	17 18 18 19
14,920 10,540 1,410 1,940 1,030	15,060 10,540 10,530 2,060 930	15,440 10,540 10,590 2,100 1,210	15,610 11,230 1,670 2,160 1,240	17,810 11,860 1,880 3,100 1,950	20,000 13,260 2,110 4,080 2,710	22,650 13,660 2,220 3,670 2,590	22,340 15,540 2,420 4,460 2,430	24,830 17,580 2,550 4,310 3,040	28,990 19,910 2,780 5,590 4,150	33,570 20,540 3,370 6,140 3,590	34,740 21,300 4,080 6,530 3,970	35,310 23,530 4,720 5,750 3,970	40,180 22 21 4,960 7,720 24	
2,669 0 281 923 214 121	2,574 0 355 840 848 205 326	2,928 29 400 1,022 1,024 224 229	3,758 0 471 1,465 1,303 1,314 205	5,685 0 575 2,761 1,894 528 276	6,304 170 635 2,530 1,961 763 312	7,324 292 722 3,337 2,397 1,961 274	6,954 509 746 3,673 2,693 811 446	8,768 414 818 1,078 2,853 812 358	10,445 552 0 1,333 3,278 924 82	9,783 252 1,190 1,224 2,625 841 76	8,831 497 1,190 1,224 2,677 730 73	9,049 0 1,746 5,049 3,848 2,677 955	11,121 0 27 28 3,293 30 31	
1,786	1,887	2,005	2,294	2,802	2,979	3,402	3,469	3,837	4,417	4,951	5,061	5,293	5,904	32
186 25 68 18 95 676 747 248 248 169 53	203 25 67 20 77 747 273 247 174 54	194 24 81 35 87 798 291 262 339 171 59	303 30 84 30 82 900 291 262 410 176 64	604 44 101 54 119 961 1,028 226 410 185 71	598 58 109 57 150 1,028 1,207 241 490 185 78	674 59 124 90 192 193 1,247 241 535 196 84	660 57 110 109 193 194 1,331 254 526 216 90	757 57 123 131 193 194 1,526 369 587 192 96	898 59 140 144 239 272 1,694 412 622 275 102	1,069 56 140 173 283 293 1,908 470 647 317 113	845 65 151 162 293 301 2,027 513 663 350 121	913 59 158 175 301 37 2,169 535 631 372 130	1,195 61 185 193 301 37 2,169 580 668 411 141	33 34 35 36 185 193 193 201 301 37 2,169 39 580 40 668 41 411 42
883	687	923	1,464	2,883	3,325	3,922	3,485	4,931	6,028	4,832	3,770	3,756	5,217	43
194	325	322	368	443	523	517	545	618	682	727	675	665	757	44
207 111	223 144	-97 184	114 214	246 139	383 4	-766 89	107 91	-100 165	-2,085 226	1,145 271	369 277	135 232	232 271	45 46
1,395	1,379	1,332	2,160	3,711	4,235	3,762	4,228	5,614	4,851	6,975	5,091	4,788	6,477	47
732	724	727	721	829	950	1,037	1,017	1,117	1,321	1,554	1,652	1,714	1,981	48
663 677 .17	655 675 .17	605 624 .15	1,439 1,370 .37	2,882 2,402 .72	3,285 2,451 .82	2,725 1,933 .66	3,211 2,184 .79	4,497 2,759 .17	3,530 1,848 .94	5,421 2,684 .48	3,439 1,755 .95	3,074 1,553 .85	4,496 2,081 .124	49 50 50 51
30 25 81 94 72 90 47 48 48 65 37 49	31 24 83 96 74 90 48 47 47 70 33 48	31 24 86 101 77 92 48 55 55 76 32 50	42 38 84 93 76 104 55 58 60 80 46 73	63 66 95 106 86 99 60 58 67 86 68 60	71 75 98 107 88 98 74 77 76 92 65 74	69 67 98 101 88 97 74 77 80 92 69 77	75 75 99 101 88 98 76 79 80 93 85 81	91 100 101 101 90 97 80 83 88 95 94 81	89 86 103 83 87 101 99 98 103 99 105 94	114 124 93 111 104 106 99 97 106 109 109 103	97 90 108 111 104 106 98 97 106 108 108 103	97 85 105 106 102 106 105 109 106 119 87 104	119 115 110 107 113 106 112 109 105 119 102 112	52 53 54 55 56 57 58 59 60 61 62 62

TABLE 7.-Hog-beef raising farms, Corn Belt:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	180	180	178	177	176	175	176	177
2	Cropland harvested.....	do.	90	90	83	79	64	79	74	80
3	Crops harvested:									
4	Corn.....	do.	40.4	37.7	34.4	30.9	23.3	26.2	28.0	30.8
5	Small grains.....	do.	21.9	21.7	21.3	19.1	16.1	23.5	18.5	23.8
6	Soybeans.....	do.	2.3	3.3	2.9	3.0	5.3	5.8	3.1	3.3
7	Hay.....	do.	25.4	27.3	24.4	26.0	19.3	23.5	24.4	22.1
8	Crop yields per harvested acre:									
9	Corn for grain.....	Bushels	22.8	30.0	38.0	25.0	6.4	30.4	10.0	41.4
10	Oats.....	do.	25.0	32.0	30.0	20.0	10.0	29.2	22.1	45.1
11	Soybeans.....	do.	15.5	14.0	16.5	15.0	12.0	13.8	10.8	18.0
12	Hay.....	Tons	1.2	1.2	1.2	1.2	.8	1.4	.9	1.3
13	Livestock on farm, January 1:									
14	All cattle.....	Number	17.7	18.9	19.5	20.6	20.7	18.3	18.0	16.7
15	Cows and heifers, 2 years old and over.....	do.	10.1	11.0	11.5	11.8	12.0	11.0	10.7	10.0
16	Chickens.....	do.	94	89	84	82	85	74	77	80
17	Horses and mules.....	do.	4.1	4.0	3.9	3.8	3.8	3.8	3.7	3.7
18	Pigs raised.....	do.	39.3	44.5	49.5	50.9	27.9	26.8	27.8	24.1
19	Tractors on farm.....	do.	.20	.24	.25	.25	.25	.26	.29	.33
20	Total labor used.....	Hours	3,660	3,690	3,600	3,520	3,190	3,260	3,130	3,180
21	Operator and family.....	do.	3,110	3,170	3,130	3,030	2,740	2,770	2,690	2,700
22	Hired.....	do.	550	520	470	490	450	490	440	480
23	Total farm capital, January 1.....	Dollars	16,280	13,850	11,540	10,060	8,720	9,130	10,130	10,180
24	Land and buildings.....	do.	12,420	10,440	8,900	7,960	6,510	6,650	7,040	7,080
25	Machinery and equipment.....	do.	950	960	910	820	760	760	820	990
26	Livestock.....	do.	2,100	1,720	1,130	920	960	1,110	1,700	1,580
27	Crops for sale, feed and seed.....	do.	810	730	600	360	490	610	570	1,630
28	Total cash receipts.....	do.	1,261	1,020	751	793	1,010	1,228	1,338	1,151
29	Crops.....	do.	67	59	34	63	58	64	109	53
30	Cattle and calves.....	do.	326	307	236	251	336	366	377	360
31	Hogs.....	do.	664	500	341	341	301	394	541	429
32	Dairy products.....	do.	48	43	66	72	92	101	114	107
33	Poultry and eggs.....	do.	156	111	74	66	84	103	109	110
34	Other, including Government payments.....	do.	---	---	---	---	139	200	88	92
35	Total cash expenditures.....	do.	1,013	826	674	645	917	1,067	864	1,000
36	Feed purchased.....	do.	76	52	42	58	307	327	73	96
37	Livestock purchased.....	do.	24	16	12	12	11	13	14	12
38	Other livestock expense.....	do.	30	28	25	25	23	21	22	21
39	Fertilizer and lime.....	do.	17	10	5	3	5	6	15	14
40	Other crop expense.....	do.	36	33	23	21	22	36	42	42
41	Machinery.....	do.	379	329	301	275	287	355	396	451
42	Farm buildings and fences.....	do.	122	82	50	57	65	94	98	121
43	Labor hired.....	do.	136	100	63	58	59	75	74	95
44	Taxes.....	do.	161	146	126	109	110	111	115	115
45	Other.....	do.	32	30	27	27	28	29	31	33
46	Net cash farm income.....	do.	248	194	77	148	93	161	474	151
47	Value of perquisites.....	do.	352	291	235	224	223	283	287	299
48	Change in inventory:									
49	Crops and livestock.....	do.	74	101	45	-169	-713	301	-287	459
50	Machinery and buildings.....	do.	-8	-91	-134	-107	-53	28	51	92
51	Net farm income.....	do.	666	495	223	96	-450	773	525	1,001
52	Return to operator and family labor.....	do.	-315	-341	-473	-485	-938	273	1	488
53	Purchasing power in 1937-41 dollars.....	do.	-272	-341	-556	-557	-957	273	1	474
54	Return per hour in current dollars.....	do.	-.10	-.11	-.15	-.16	-.34	.10	0	.18
55	Index numbers (1947-49 = 100):									
56	Gross farm income.....	Percent	27	23	17	14	8	29	22	31
57	Net farm income.....	do.	20	15	7	3	-13	23	16	30
58	Net farm production.....	do.	61	73	81	67	39	60	44	73
59	Crop yields per acre.....	do.	64	76	87	65	30	79	40	98
60	Production per hour of man labor.....	do.	56	66	76	65	41	62	48	78
61	Production per unit of input.....	do.	71	81	92	80	56	80	58	93
62	Operating expense per unit of production.....	do.	63	48	38	42	73	56	68	47
63	Total cost per unit of production.....	do.	79	57	41	43	63	48	69	46
64	Power and machinery, January 1.....	do.	68	68	67	63	57	55	58	62
65	Prices received for products sold.....	do.	43	29	19	19	23	37	39	42
66	Prices paid, incl. wages to hired labor.	do.	57	47	45	42	44	47	51	54

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
178 76	180 73	183 74	186 76	189 79	192 81	195 82	198 80	200 84	202 84	204 85	206 90	208 91	210 88	1 2
29.0 22.6 3.6 20.8	26.9 19.6 3.8 22.7	23.4 18.2 4.0 28.4	25.2 19.4 4.8 26.6	25.6 18.6 5.3 29.5	30.6 18.6 6.4 25.4	31.2 17.6 6.1 27.1	26.5 19.3 7.4 26.8	31.5 20.3 5.6 26.6	28.0 20.5 6.9 28.6	31.9 21.4 5.0 26.7	33.2 22.9 5.5 28.4	28.3 23.6 8.1 31.0	28.6 19.8 7.3 32.3	3 4 5 6
36.8 35.5 18.3 1.3	42.4 25.2 19.7 1.3	43.3 32.7 19.7 1.5	38.5 33.4 17.2 1.3	48.7 32.8 18.2 1.5	45.3 29.8 18.9 1.4	42.3 22.2 20.3 1.4	36.9 30.6 17.8 1.6	51.9 33.4 24.4 1.6	23.6 22.3 12.9 1.4	56.7 37.2 23.8 1.4	48.6 34.3 25.9 1.6	51.6 36.0 25.6 1.6	43.8 28.9 22.9 10	7 8 9 10
16.5 10.0 .76 3.7	18.0 10.3 86 3.7	20.2 11.1 90 3.6	21.2 11.9 88 3.5	22.8 12.7 102 3.5	24.9 13.8 114 3.5	26.8 14.8 122 3.3	26.7 15.6 110 3.0	24.7 14.4 106 2.6	24.5 14.2 100 2.2	23.8 13.9 95 2.1	23.8 13.6 88 2.0	25.4 14.6 88 1.9	28.1 15.6 94 1.8	11 12 13 14
38.3	47.9	49.5	52.1	66.1	73.5	52.8	54.1	53.3	54.2	59.2	70.4	74.3	78.5	15
.39	.40	.45	.50	.57	.62	.63	.69	.75	.81	.86	.94	1.02	1.11	16
3,210 2,730 480	3,280 2,790 490	3,340 2,840 500	3,380 2,910 470	3,510 3,050 460	3,670 3,230 440	3,650 3,210 440	3,500 3,080 420	3,450 3,000 450	3,420 2,980 440	3,330 2,900 430	3,370 2,930 440	3,380 2,940 440	3,380 2,970 410	17 18 19
10,450 7,120 1,000 1,480 .850	10,610 7,200 1,080 1,650 680	11,070 7,320 1,120 1,760 870	11,540 7,440 1,170 1,970 960	13,710 8,500 1,330 2,630 1,250	16,330 9,600 1,490 3,710 1,530	18,410 10,920 1,700 3,940 1,990	19,000 11,880 13,400 3,590 1,830	19,970 14,950 1,780 3,210 1,580	24,290 14,950 1,780 4,990 2,400	25,890 13,710 1,780 5,260 2,560	27,980 16,690 1,780 5,380 3,040	28,610 17,260 2,870 5,040 3,000	34,030 19,950 3,310 7,120 3,450	20 21 22 23 24
1,248 244 300 430 84 99 91	1,373 63 329 532 82 97 270	1,519 64 444 583 110 109 209	2,043 100 559 905 148 158 173	2,959 92 749 1,459 267 279 253	4,087 233 958 2,141 289 416 281	4,075 259 1,287 2,017 308 393 159	4,067 290 1,269 1,613 368 443 126	4,341 338 1,723 1,768 398 447 151	6,465 524 1,829 3,256 428 480 79	5,396 524 1,452 2,326 326 498 61	5,513 583 1,659 2,647 326 454 39	5,920 620 1,280 2,323 356 367 71	7,387 651 2,280 3,423 435 520 78	25 26 27 28 29 30 31
1,055 137	1,078 83	1,170 106	1,366 182	1,673 387	1,949 542	2,033 430	2,031 349	2,334 452	2,663 508	3,268 916	3,061 482	3,262 522	3,548 616	32 33
14 22 15 38 450 134 95 117 33	14 25 16 35 488 167 97 119 34	13 31 28 41 511 180 102 122 36	16 33 23 63 602 159 133 125 40	23 40 36 75 684 142 198 143 42	32 50 41 95 803 150 229 146 43	31 52 57 95 895 172 234 145 46	34 48 70 104 895 227 273 159 48	31 49 96 104 895 258 293 198 51	31 56 104 127 1,037 258 303 219 56	30 64 111 128 1,163 267 300 236 58	35 64 111 128 1,318 280 309 236 64	32 69 145 160 1,402 302 309 258 67	33 81 145 169 1,484 310 318 299 42	34 35 36 37 38 39 40 41 42
193	295	349	677	1,286	2,138	2,042	2,036	2,007	3,802	2,128	2,452	2,658	3,839	43
274	257	255	301	380	465	446	480	513	561	567	511	497	560	44
178 68	194 104	102 116	129 154	669 88	20 -9	-387 60	-543 65	733 112	-2,350 162	1,436 198	451 193	549 177	-206 181	45
713	850	822	1,261	2,423	2,614	2,161	2,038	3,365	2,175	4,329	3,607	3,881	4,374	47
516	515	524	538	640	777	841	862	892	1,104	1,194	1,327	1,389	1,677	48
197 201 .07	335 345 .12	298 307 .10	723 689 .25	1,783 1,486 .58	1,837 1,371 .57	1,320 936 .41	1,176 800 .38	2,473 1,517 .83	1,071 561 .36	3,135 1,552 .108	2,280 1,163 .78	2,492 1,259 .85	2,697 1,249 .91	49 50 51
27 21 69 90 73 86 52	30 25 77 93 79 90 48	30 24 81 100 82 92 49	40 37 78 90 78 88 56	65 72 94 107 90 96 59	74 78 96 99 89 94 70	67 64 97 94 90 86 73	65 60 89 91 86 100 79	65 100 102 115 100 102 78	76 128 81 68 80 83 108	119 128 106 120 107 108 100	105 107 113 112 113 109 92	113 115 116 117 113 115 96	125 130 111 102 111 103 108	52 53 54 55 56 57 58
49 67 35 52	46 71 32 52	45 75 31 56	55 77 45 61	56 81 59 68	56 86 65 74	69 87 62 76	76 85 66 81	81 112 81 81	96 92 105 93	95 98 105 105	98 107 108 102	95 119 91 104	108 120 106 113	59 60 61 62

TABLE 8.--Hog-beef fattening farms, Corn Belt:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	175	175	174	172	171	171	172	174
2	Cropland harvested.....	do.	120	119	119	115	95	111	104	116
3	Crops harvested:									
4	Corn.....	do.	62.6	65.1	65.3	61.4	48.9	54.4	51.6	62.3
5	Small grains.....	do.	39.2	37.5	37.0	36.3	30.2	41.1	34.7	41.3
6	Hay.....	do.	18.2	16.4	16.7	17.3	15.9	15.5	17.7	12.4
7	Crop yields per harvested acre:									
8	Corn for grain.....	Bushels	41.5	40.8	52.6	44.6	23.7	41.9	20.2	50.1
9	Oats.....	do.	40.7	34.5	40.5	23.0	10.6	36.3	28.2	49.1
10	Hay.....	Tons	1.2	1.5	1.8	1.5	1.0	2.0	1.4	1.7
11	Livestock on farm, January 1:									
12	All cattle.....	Number	26.9	26.9	25.9	27.0	25.4	21.1	28.8	25.2
13	Cows and heifers, 2 years old and over.....	do.	4.6	4.5	4.5	4.7	5.0	4.8	5.3	5.0
14	Purchased feeder cattle.....	do.	17.7	17.8	16.9	17.8	15.6	11.2	18.4	15.0
15	Chickens.....	do.	125	119	112	109	113	99	103	107
16	Horses and mules.....	do.	5.5	5.3	5.2	5.1	5.0	4.8	4.7	4.5
17	Pigs raised.....	do.	133	120	121	134	88	66	67	51
18	Tractors on farm.....	do.	.44	.51	.52	.52	.52	.53	.58	.65
19	Total labor used.....	Hours	4,880	4,760	4,670	4,630	4,060	4,110	4,060	4,060
20	Operator and family.....	do.	3,810	3,810	3,740	3,700	3,250	3,210	3,250	3,170
21	Hired.....	do.	1,070	950	930	930	810	900	810	890
22	Total farm capital, January 1.....	Dollars	30,490	25,780	19,900	15,140	16,180	16,880	18,870	18,890
23	Land and buildings.....	do.	23,270	19,780	15,660	11,700	12,480	12,830	13,590	13,750
24	Machinery and equipment.....	do.	1,670	1,680	1,580	1,400	1,280	1,290	1,390	1,540
25	Livestock.....	do.	3,750	2,860	1,810	1,530	1,460	1,480	2,750	2,310
26	Crops for sale, feed and seed.....	do.	1,800	1,460	850	510	960	1,280	1,140	1,290
27	Total cash receipts.....	do.	5,144	3,516	2,418	2,245	2,717	3,281	3,778	4,204
28	Crops.....	do.	0	0	0	89	0	0	41	0
29	Cattle and calves.....	do.	2,506	1,964	1,494	1,146	1,493	1,618	2,177	2,912
30	Hogs.....	do.	2,346	1,345	786	880	905	1,229	1,230	945
31	Dairy products.....	do.	70	44	28	32	36	44	74	69
32	Poultry and eggs.....	do.	222	163	110	98	124	156	151	168
33	Other, including Government payments.....	do.	---	---	---	---	159	234	105	110
34	Total cash expenditures.....	do.	2,962	2,125	1,755	1,506	1,764	2,544	2,089	2,661
35	Feed purchased.....	do.	506	262	169	135	461	443	181	326
36	Livestock purchased.....	do.	771	520	505	375	286	846	537	776
37	Other livestock expense.....	do.	107	89	73	73	63	57	66	59
38	Fertilizer and lime.....	do.	18	11	5	5	6	8	18	16
39	Other crop expense.....	do.	51	44	32	27	31	53	41	61
40	Machinery.....	do.	701	574	513	469	482	611	695	800
41	Farm buildings and fences.....	do.	189	135	73	80	101	140	146	175
42	Labor hired.....	do.	301	203	135	118	118	152	154	188
43	Taxes.....	do.	268	240	210	183	175	190	205	210
44	Other.....	do.	50	47	40	41	41	44	46	50
45	Net cash farm income.....	do.	2,182	1,391	663	739	953	737	1,689	1,543
46	Value of perquisites.....	do.	413	352	282	243	264	331	333	353
47	Change in inventory:									
48	Crops and livestock.....	do.	-563	-327	107	-474	-1,501	1,226	-1,581	1,226
49	Machinery and buildings.....	do.	-3	-158	-230	-156	-80	58	107	168
50	Net farm income.....	do.	2,029	1,258	822	352	-364	2,352	548	3,290
51	Net farm income.....	do.	1,835	1,550	1,192	880	-902	918	969	944
52	Return to operator and family labor.....	do.	194	-292	-370	-528	-1,266	1,434	-421	2,346
53	Purchasing power in 1937-41 dollars.....	do.	167	-292	-435	-607	-1,292	1,434	-421	2,278
54	Return per hour in current dollars.....	do.	.05	-.08	-.10	-.14	-.39	.45	-.13	.74
55	Index numbers (1947-49=100):	Percent	25	18	14	10	7	24	13	29
56	Gross farm income.....	do.	19	12	8	3	-3	22	5	31
57	Net farm income.....	do.	69	69	76	68	41	54	47	67
58	Net farm production.....	do.	80	78	99	79	42	83	47	98
59	Crop yields per acre.....	do.	63	64	71	65	45	58	51	72
60	Production per hour of man labor.....	do.	87	88	95	91	68	82	74	94
61	Production per unit of input.....	do.	47	38	30	29	44	45	46	42
62	Operating expense per unit of production.....	do.	61	50	37	34	51	47	54	45
63	Total cost per unit of production.....	do.	67	69	67	61	55	53	56	61
64	Power and machinery, January 1.....	do.	39	28	20	17	22	38	33	47
65	Prices received for products sold.....	do.	46	38	31	31	35	39	41	44
66	Prices paid, incl. wages to hired labor.....	do.								

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951		
176 114	178 108	180 112	182 113	184 120	186 124	188 124	189 129	190 131	191 132	192 132	193 136	194 136	195 133	1 2	
57.3 40.5 35.6 16.2	54.8 36.2 36.2 17.6	53.1 37.2 37.2 22.7	54.5 36.6 36.6 21.3	61.4 34.1 34.1 22.0	69.9 31.2 31.2 20.0	72.7 38.2 39.3 19.6	71.2 43.7 39.8 19.3	72.4 43.6 39.8 20.3	71.9 36.2 43.2 18.2	70.6 51.7 44.3 19.6	72.1 42.7 44.5 19.6	65.1 46.7 46.7 24.2	68.5 39.2 39.2 25.3	3 4 4 5	
50.1 37.8 2.0	57.5 32.7 1.6	53.7 42.6 1.7	54.7 36.6 1.7	65.5 39.1 2.1	59.1 41.5 1.8	58.4 32.4 2.0	51.3 43.7 2.1	62.4 43.6 1.9	36.0 36.2 1.9	67.1 51.7 1.7	55.0 42.7 1.8	56.3 44.5 1.9	53.5 38.8 2.0	6 7 8	
28.8 4.8 18.5 101 4.3	29.5 5.0 19.7 114 4.2	32.0 5.4 21.5 120 4.1	36.2 5.6 25.2 118 3.9	37.5 5.8 26.1 136 3.6	39.8 6.1 28.0 152 3.6	36.7 6.0 24.9 162 3.2	40.0 6.0 28.2 146 3.0	38.3 5.7 27.0 142 2.6	39.0 5.3 28.1 133 2.2	35.5 5.0 25.5 127 1.9	40.7 5.2 30.6 118 1.6	43.1 5.4 32.7 125 1.3	45.2 5.6 34.4 121 1.2	9 10 11 12 13	
112	99	119	97	118	160	173	137	149	150	159	160	158	144	14	
.76	.80	.87	.95	1.05	1.12	1.12	1.18	1.23	1.29	1.36	1.45	1.53	1.62	15	
4,350 3,440 910	4,240 3,390 850	4,320 3,460 860	4,280 3,470 810	4,410 3,620 790	4,740 3,930 810	4,600 3,860 740	4,600 3,910 690	4,470 3,750 720	4,480 3,760 720	4,390 3,690 700	4,390 3,690 700	4,300 3,690 690	4,190 3,610 630	16 17 18	
19,700 13,900 1,740 2,560 1,500	20,260 14,060 1,900 2,890 1,410	20,990 14,220 1,560 2,900 1,910	22,050 15,640 2,050 3,400 2,040	24,940 16,740 2,580 5,890 3,590	28,800 18,240 2,920 5,660 4,210	31,120 19,280 3,060 8,990 3,810	32,580 21,850 3,320 10,250 5,080	34,410 24,070 4,050 10,590 6,820	41,460 27,840 4,910 6,820 5,910	48,960 28,950 5,660 9,160 5,290	50,360 30,070 5,940 11,380 6,230	50,180 35,100 5,660 11,380 6,230	58,650 19 20 21 22 23		
3,989 28 2,355 1,274 72 149 111	4,074 0 2,264 1,292 71 141 306	4,957 0 3,106 1,311 100 159 281	6,275 0 3,459 2,265 136 226 189	8,525 86 4,695 2,893 224 397 294	11,279 114 4,915 5,049 160 584 326	10,288 152 5,306 5,904 181 550 160	12,220 39 8,502 5,504 204 319 121	15,226 118 8,300 8,330 237 344 149	20,053 376 10,262 8,751 319 353 84	20,162 0 10,308 6,668 344 657 65	18,675 337 10,718 6,427 338 616 41	19,510 476 11,671 6,631 390 528 70	22,410 213 14,404 6,631 390 700 72	24 25 26 27 28 29 30	
2,741 205 908 75 18 68 806 201 195 215 50	3,124 1,406 1,076 78 20 64 872 243 178 230 52	3,576 1,406 1,406 1,311 100 136 929 270 206 226 53	4,007 1,506 1,506 1,131 2,265 281 1,065 261 315 234 55	4,652 1,915 1,592 116 28 53 1,110 211 410 255 64	4,967 1,592 1,645 153 47 53 1,225 195 431 265 67	5,355 1,748 2,595 147 77 102 1,399 202 436 297 71	5,728 1,748 5,306 165 133 133 1,492 229 487 255 75	6,911 1,112 1,383 159 144 144 1,573 324 533 381 81	8,225 1,112 1,383 159 144 144 1,573 351 533 441 88	11,102 2,745 4,184 3,097 10,271 161 2,046 405 432 460	10,122 1,302 5,543 5,943 217 160 2,271 405 432 505	11,590 1,368 6,925 6,925 236 159 2,524 303 317 38	13,438 1,549 6,925 6,925 34 35 2,524 303 317 38	31	
1,248	950	1,381	2,268	3,873	6,312	4,933	6,492	8,315	11,828	9,060	8,553	7,920	8,972	42	
327	307	310	355	435	515	511	539	619	675	718	668	654	760	43	
572 133	475 161	425 205	-44 243	1,482 130	-644 -18	396 95	-1,107 107	2,207 181	-3,431 269	3,216 306	-144 276	789 236	886 253	44 45	
2,280	1,893	2,321	2,822	5,920	6,165	5,935	6,031	11,322	9,341	13,300	9,353	9,599	10,871	46	
968	977	989	1,024	1,162	1,373	1,425	1,489	1,546	1,898	2,281	2,407	2,440	2,875	47	
1,312 1,339 .38	916 944 .27	1,332 1,373 .38	1,798 1,712 .52	4,758 3,965 1.31	4,792 3,576 1.22	4,510 3,199 1.17	4,542 3,090 1.16	9,776 5,998 2.61	7,443 3,897 1.98	11,019 5,455 2.99	6,946 3,544 1.68	7,159 3,616 1.98	7,996 3,702 2.25	48 49 50	
24 21 72 95 73 73 93 41 44 67 34 44	24 18 73 73 79 80 94 46 46 72 30 43	28 22 80 99 117 93 104 53 55 82 38 46	33 26 98 103 108 96 106 55 60 88 53 58	52 56 98 99 104 94 103 63 66 88 56 58	55 56 98 99 104 94 102 59 70 88 59 65	55 57 99 104 104 95 106 63 70 92 59 69	53 57 99 104 104 95 102 63 70 92 59 69	89 87 88 88 74 86 93 71 75 92 85 78	86 87 88 88 74 86 104 96 100 94 99 93	119 125 107 123 104 108 103 105 101 107 106 101	95 90 105 103 106 109 103 99 99 107 91 101	104 102 106 100 106 107 103 114 108 118 90 106	119 102 106 100 106 107 103 134 127 118 90 128	119 102 106 100 106 107 103 134 127 118 90 128	51 52 53 54 55 56 57 58 59 60 61 62

TABLE 9.--Cash grain farms, Corn Belt:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	204	204	204	204	204	205	205	206
2	Cropland harvested.....	do.	166	168	167	161	144	168	164	169
3	Crops harvested:									
4	Corn.....	do.	85.3	90.0	89.1	82.6	66.3	72.8	79.7	84.7
5	Small grains.....	do.	61.4	58.8	59.8	60.2	47.5	50.4	43.9	47.0
6	Soybeans.....	do.	10.3	12.1	9.5	10.7	20.6	37.6	30.4	31.5
7	Hay.....	do.	9.0	7.1	8.6	7.5	9.6	7.2	10.0	5.8
8	Crop yields per harvested acre:									
9	Corn for grain.....	Bushels	31.2	41.5	47.8	27.2	22.8	49.0	28.4	56.2
10	Oats.....	do.	32.0	40.5	43.3	19.2	11.8	32.2	29.7	51.6
11	Soybeans.....	do.	17.6	23.4	26.9	18.4	24.5	23.2	19.9	22.6
12	Hay.....	Tons	1.2	1.7	1.8	1.4	1.2	2.0	1.4	1.9
13	Livestock on farm, January 1:									
14	All cattle.....	Number	9.0	9.0	9.0	10.0	11.0	10.0	11.0	10.0
15	Cows and heifers, 2 years old and over.....	do.	4.2	4.2	4.2	4.8	5.1	4.8	5.1	4.8
16	Chickens.....	do.	120	115	110	105	105	102	102	102
17	Horses and mules.....	do.	5.6	5.3	5.0	4.7	4.4	3.0	2.6	2.2
18	Pigs raised.....	do.	23	23	23	21	21	18	19	24
19	Tractors on farm.....	do.	.44	.51	.52	.52	.52	.53	.58	.65
20	Total Labor used.....	Hours	4,490	4,490	4,460	4,360	4,020	4,320	4,100	4,040
21	Operator and family.....	do.	3,500	3,500	3,480	3,400	3,220	3,390	3,280	3,230
22	Hired.....	do.	990	990	980	960	800	930	820	810
23	Total farm capital, January 1.....	Dollars	35,700	30,880	25,320	20,750	22,810	23,780	25,900	28,030
24	Land and buildings.....	do.	30,400	26,520	21,830	17,950	19,790	20,290	21,730	23,480
25	Machinery and equipment.....	do.	1,690	1,710	1,610	1,430	1,300	1,310	1,410	1,560
26	Livestock.....	do.	1,330	1,040	730	620	630	650	950	900
27	Crops for sale, feed and seed.....	do.	2,280	1,610	1,150	750	1,090	1,530	1,810	2,090
28	Total cash receipts.....	do.	3,533	2,001	1,451	2,045	2,400	2,780	4,345	3,595
29	Crops.....	do.	2,553	1,309	1,042	1,643	1,596	1,739	3,337	2,577
30	Cattle and calves.....	do.	197	140	58	60	157	94	210	115
31	Hogs.....	do.	387	261	150	137	184	291	303	416
32	Dairy products.....	do.	136	95	65	80	99	117	144	151
33	Poultry and eggs.....	do.	260	196	136	121	156	225	207	227
34	Other, including Government payments.....	do.	---	---	---	4	208	314	144	109
35	Total cash expenditures.....	do.	1,876	1,523	1,244	1,134	1,193	1,494	1,671	1,936
36	Feed purchased.....	do.	89	59	41	58	86	88	93	110
37	Livestock purchased.....	do.	26	19	14	14	15	18	19	18
38	Other livestock expense.....	do.	27	27	22	22	22	22	22	27
39	Fertilizer and lime.....	do.	46	24	10	10	15	20	41	46
40	Other crop expense.....	do.	98	79	58	51	66	107	98	164
41	Machinery.....	do.	752	626	574	517	515	655	784	876
42	Farm buildings and fences.....	do.	175	112	63	75	100	143	150	188
43	Labor hired.....	do.	247	198	137	125	113	158	164	186
44	Taxes.....	do.	374	339	294	231	229	249	265	280
45	Other.....	do.	42	40	31	31	32	34	35	41
46	Net cash farm income.....	do.	1,657	478	207	911	1,207	1,286	2,674	1,659
47	Value of perquisites.....	do.	379	300	240	225	239	288	314	317
48	Change in inventory:									
49	Crops and livestock.....	do.	-320	355	107	-887	-909	958	-1,532	1,230
50	Machinery and buildings.....	do.	3	-156	-218	-166	-88	60	107	170
51	Net farm income.....	do.	1,719	977	336	83	449	2,592	1,563	3,376
52	Charge for capital.....	do.	2,098	1,808	1,482	1,208	1,275	1,282	1,307	1,354
53	Return to operator and family labor.....	do.	-379	-831	-1,146	-1,125	-826	1,310	256	2,022
54	Purchasing power in 1937-41 dollars.....	do.	-327	-831	-1,348	-1,293	-843	1,310	256	1,963
55	Return per hour in current dollars.....	do.	-.11	-.24	-.33	-.33	-.26	.39	.08	.63
56	Index numbers (1947-49=100):									
57	Gross farm income.....	Percent	26	20	13	10	13	30	23	38
58	Net farm income.....	do.	19	11	4	1	5	29	18	38
59	Net farm production.....	do.	55	72	78	46	41	76	56	91
60	Crop yields per acre.....	do.	62	83	93	56	54	88	62	100
61	Production per hour of man labor.....	do.	42	56	61	36	35	61	47	78
62	Production per unit of input.....	do.	63	82	87	54	52	91	67	108
63	Operating expense per unit of production.....	do.	73	50	41	60	66	41	59	43
64	Total cost per unit of production.....	do.	92	61	47	67	76	46	65	45
65	Power and machinery, January 1.....	do.	66	67	66	60	54	52	55	59
66	Prices received for products sold.....	do.	46	27	16	23	33	37	43	45
67	Prices paid, incl. wages to hired labor.	do.	57	51	44	40	44	47	51	55

Organization, production, costs and returns, 1930-51

TABLE 10.--Tobacco-livestock farms, Kentucky Bluegrass:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	107	107	107	107	108	108	108	109
2	Cropland harvested.....	do.	27	33	26	32	29	31	22	29
3	Plowable pasture.....	do.	49	46	51	47	51	49	59	53
4	Other land.....	do.	31	28	30	28	28	28	27	27
5	Crops harvested:									
6	Tobacco.....	do.	5.7	5.4	5.8	6.1	4.5	4.0	4.5	5.7
7	Corn.....	do.	9.8	11.8	7.8	9.3	9.0	9.4	8.3	8.6
8	Small grains.....	do.	3.4	5.4	5.1	6.1	6.5	7.2	4.8	6.3
	Hay.....	do.	8.1	10.4	6.8	10.0	9.3	10.3	4.8	8.2
9	Crop yields per harvested acre:									
10	Tobacco.....	Pounds	748	894	769	759	896	841	727	973
11	Corn.....	Bushels	11.0	38.1	31.7	35.3	30.0	34.1	19.5	35.7
12	Wheat.....	do.	14.6	23.1	11.0	12.9	14.2	11.1	13.5	19.5
	Hay.....	Tons	.7	1.1	1.0	1.1	.9	1.1	.6	1.1
13	Livestock on farm, January 1:									
14	All cattle.....	Number	6.4	5.5	5.8	6.8	7.1	7.1	8.2	6.2
15	Milk cows.....	do.	3.8	3.8	3.9	4.0	4.2	4.3	4.2	3.8
16	Beef cows.....	do.	.4	.2	.2	.2	.3	.3	.4	.4
17	Sheep and lambs.....	do.	19.8	16.9	17.8	19.2	21.2	25.7	23.8	21.5
18	Chickens.....	do.	53	50	48	52	52	51	51	53
	Horses and mules.....	do.	2.5	2.7	2.9	2.8	2.9	2.9	2.9	3.0
19	Pigs raised.....	do.	8.0	7.5	8.9	11.7	10.1	10.3	11.0	8.5
20	Tractors on farm.....	do.	.03	.03	.03	.03	.04	.04	.04	.05
21	Total labor used.....	Hours	4,220	4,500	4,440	4,620	4,200	4,120	3,890	4,500
22	Operator and family.....	do.	3,050	3,130	3,200	3,250	3,070	2,950	2,920	3,020
23	Hired.....	do.	420	630	460	580	330	380	220	740
24	Cropper.....	do.	750	740	780	790	800	790	750	740
25	Total farm capital, January 1	Dollars	10,680	9,190	7,780	6,450	6,890	7,750	8,020	8,380
26	Land and buildings.....	do.	9,180	8,110	6,710	5,560	5,840	6,460	6,460	6,940
27	Machinery and equipment.....	do.	390	360	330	320	330	340	360	390
28	Livestock.....	do.	750	500	430	410	460	580	860	780
29	Crops for sale, feed and seed.....	do.	370	220	310	160	260	370	340	270
30	Total cash receipts.....	do.	1,207	719	840	768	1,337	1,188	1,858	1,802
31	Tobacco.....	do.	645	418	536	483	688	612	1,114	1,167
32	Livestock.....	do.	388	182	145	168	207	317	433	296
33	Livestock products.....	do.	161	101	85	93	114	152	149	177
34	Other, including Government payments.....	do.	13	18	74	24	328	107	162	162
35	Total cash expenditures.....	do.	743	650	480	472	480	554	569	815
36	Feed purchased.....	do.	66	49	31	41	47	66	59	78
37	Livestock expense.....	do.	21	19	14	15	17	19	19	20
38	Crop expense.....	do.	67	76	38	33	41	66	58	90
39	Machinery.....	do.	158	125	93	93	120	140	117	195
40	Farm buildings and fences.....	do.	89	52	27	13	24	26	47	68
41	Labor hired.....	do.	77	95	56	84	40	46	28	112
42	Cropper labor.....	do.	66	44	55	49	74	67	118	124
43	General farm and miscellaneous.....	do.	199	190	166	144	117	124	123	128
44	Net cash farm income.....	do.	464	69	360	296	857	634	1,289	987
45	Perquisites for cropper and hired labor.....	do.	60	46	35	37	42	52	56	50
46	Total value of perquisites.....	do.	360	289	227	227	241	296	322	315
47	Change in inventory:									
48	Crops and livestock.....	do.	-239	239	-53	88	-101	80	-369	176
	Machinery and buildings.....	do.	-4	-32	-40	-36	-18	-9	-14	45
49	Net farm income.....	do.	521	519	459	538	937	949	1,172	1,473
50	Charge for capital.....	do.	642	548	464	383	389	419	403	408
51	Return to operator and family labor.....	do.	-121	-29	-5	155	548	530	769	1,065
52	Purchasing power in 1937-41 dollars.....	do.	-104	-29	-6	178	559	530	769	1,034
53	Return per hour in current dollars.....	do.	-.04	-.01	0	.05	.18	.18	.26	.35
54	Index numbers (1947-49=100):									
55	Gross farm income.....	Percent	24	23	19	20	27	29	33	42
56	Net farm income.....	do.	16	16	14	16	28	28	35	44
57	Net farm production.....	do.	65	86	73	81	72	71	57	90
58	Crop yields per acre.....	do.	55	74	63	64	70	69	54	78
59	Production per hour of man labor.....	do.	65	80	69	73	72	73	62	84
60	Production per unit of input.....	do.	73	94	81	88	83	82	68	96
61	Operating expense per unit of production.....	do.	58	40	36	32	35	41	52	43
62	Total cost per unit of production.....	do.	71	47	45	37	42	45	56	43
63	Power and machinery, January 1.....	do.	62	60	58	56	56	58	60	64
64	Prices received for products sold..... ¹	do.	36	23	25	23	42	38	55	46
	Prices paid, incl. wages to hired labor ¹	do.	49	42	37	35	37	40	43	46

¹Includes cropper labor.

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
109	110	110	110	111	112	112	113	113	113	113	113	113	113	1
28	28	28	29	32	33	32	30	30	30	30	31	31	30	2
54	56	55	54	51	51	52	55	55	54	54	53	53	54	3
27	26	27	27	28	28	28	28	28	29	29	29	29	29	4
5.2	5.6	4.6	5.2	4.3	5.8	6.0	6.5	5.9	5.1	5.4	5.5	4.9	5.5	5
7.6	6.6	7.8	7.9	8.8	9.1	9.0	6.2	5.9	6.3	7.0	6.8	6.5	6.3	6
5.9	4.2	4.8	4.3	5.0	4.5	5.6	3.6	3.0	3.4	3.6	3.5	3.1	2.9	7
9.4	11.1	11.0	12.0	13.4	13.4	11.9	13.2	14.8	15.4	14.1	15.4	16.4	15.2	8
887	985	1,099	1,029	994	970	1,252	1,093	1,209	1,176	1,362	1,283	1,245	1,430	9
39.9	35.8	30.1	35.9	43.5	36.5	29.4	43.1	42.6	40.6	48.3	45.3	47.2	41.7	10
17.1	10.9	15.4	19.1	15.2	12.8	18.5	14.6	16.5	17.5	17.5	20.0	17.0	16.0	11
1.4	1.3	1.3	1.2	1.4	1.3	1.3	1.6	1.5	1.6	1.5	1.5	1.5	1.3	12
7.4	7.6	7.7	7.3	8.4	9.1	10.2	9.2	9.5	10.0	10.5	10.2	10.7	11.2	13
4.1	4.1	3.9	3.8	4.2	4.8	5.1	5.1	4.9	5.0	5.0	4.8	4.8	4.9	14
.5	.5	.5	.7	.9	.9	.8	1.0	1.2	1.4	1.5	1.7	1.9	2.0	15
21.2	21.7	23.3	20.8	22.2	22.2	20.2	16.9	15.6	14.1	14.1	13.4	13.7	14.4	16
48	50	50	49	51	58	58	57	55	50	50	48	49	48	17
3.1	3.2	3.2	3.2	3.0	3.0	3.0	2.9	2.8	2.6	2.4	2.4	2.2	2.1	18
10.4	13.5	-12.1	12.0	14.2	16.6	11.0	10.8	8.9	10.0	11.7	12.6	12.1	12.0	19
.08	.09	.10	.12	.13	.14	.15	.18	.20	.26	.27	.32	.35	.40	20
4,370	4,480	4,200	4,340	4,240	4,730	4,760	4,750	4,510	4,140	4,220	4,230	4,140	4,120	21
3,010	3,020	2,770	2,850	2,840	2,960	2,930	2,900	2,890	2,800	2,820	2,820	2,790	2,800	22
650	780	800	860	740	1,040	1,080	1,080	840	570	640	640	610	550	23
710	680	630	630	660	730	750	770	780	770	760	770	740	770	24
8,800	9,690	10,170	10,130	11,470	13,090	13,840	14,030	15,660	17,510	19,170	20,450	20,820	23,350	25
7,270	8,130	8,570	8,570	9,560	10,540	10,990	11,310	12,900	14,240	15,370	16,500	16,900	18,610	26
410	440	470	480	520	600	670	720	780	860	960	1,070	1,170	1,390	27
830	860	870	780	1,030	1,390	1,430	1,220	1,350	1,740	1,960	2,090	1,950	2,400	28
290	260	260	300	360	560	750	780	630	670	880	790	800	950	29
1,461	1,559	1,413	2,199	2,775	3,707	4,489	3,896	4,076	4,350	5,043	4,666	4,492	5,821	30
896	963	767	1,534	1,773	2,457	3,223	2,788	2,815	2,917	3,285	3,199	2,956	3,819	31
299	338	388	353	633	758	780	616	743	891	1,232	967	1,026	1,353	32
147	146	145	194	265	370	377	388	381	417	438	400	408	574	33
119	112	113	118	104	122	109	104	137	125	88	100	102	75	34
737	812	878	1,011	1,141	1,462	1,800	1,815	1,943	1,961	2,154	2,238	2,221	2,591	35
48	63	109	102	129	151	205	181	261	216	196	154	158	208	36
23	24	28	32	43	46	47	46	46	51	53	53	51	58	37
86	85	90	98	112	147	189	218	239	279	307	368	357	397	38
160	173	190	227	250	295	339	354	374	411	478	522	535	685	39
95	110	116	101	98	90	87	88	120	155	191	200	198	203	40
98	115	121	147	164	293	389	402	339	257	294	296	280	281	41
93	98	79	160	184	266	353	319	322	339	381	373	344	444	42
134	144	145	148	172	177	192	206	242	253	254	272	298	315	43
724	747	535	1,188	1,634	2,245	2,689	2,081	2,133	2,389	2,889	2,428	2,271	3,230	44
42	40	39	50	66	95	94	105	111	132	136	114	92	111	45
281	288	289	347	437	564	562	613	660	757	787	714	676	791	46
66	-26	-54	113	214	-29	-234	-9	33	60	-19	45	132	-215	47
28	53	43	38	37	36	31	23	43	75	121	138	119	168	48
1,057	1,022	774	1,636	2,256	2,721	2,954	2,603	2,758	3,149	3,642	3,211	3,106	3,883	49
416	458	477	466	533	616	665	670	745	835	917	1,009	1,035	1,187	50
641	564	297	1,170	1,723	2,105	2,289	1,933	2,013	2,314	2,725	2,202	2,071	2,696	51
654	581	306	1,114	1,436	1,571	1,623	1,315	1,235	1,212	1,349	1,123	1,046	1,248	52
.21	.19	.11	.41	.61	.71	.78	.67	.70	.83	.97	.78	.74	.96	53
33	33	30	44	63	78	88	82	87	95	106	99	97	117	54
32	31	23	49	68	82	89	78	83	95	109	96	93	116	55
81	86	80	85	83	92	104	100	100	91	106	103	96	108	56
75	78	85	82	82	78	93	89	95	93	106	101	99	107	57
78	80	80	82	83	82	92	89	93	92	106	102	97	110	58
88	90	85	89	88	90	99	94	96	92	106	102	95	105	59
44	44	50	56	65	76	82	88	93	103	96	101	108	110	60
46	46	50	53	63	73	78	83	89	103	95	102	109	110	61
65	70	76	77	78	87	94	101	106	103	99	98	105	116	62
40	37	34	57	76	83	82	80	84	103	100	97	102	109	63
43	43	44	51	60	68	78	79	85	96	101	103	104	115	64

TABLE 11.--Tobacco-cotton farms, Coastal Plain, North Carolina:

	ITEM	UNIT	1940	1941	1942	1943
1	Land in farm.....	Acres	100	100	100	100
2	Cropland harvested.....	do.	40	40	42	41
3	Other land.....	do.	60	60	58	59
4	Crops harvested:	do.	5.8	5.8	6.3	6.8
5	Tobacco.....	do.	7.0	6.5	7.1	7.0
6	Cotton.....	do.	17.2	16.7	16.6	16.2
7	Corn.....	do.	8.0	8.2	7.7	7.7
8	Hay.....	do.	6.0	6.8	7.7	7.0
9	Crop yields per harvested acre:	Pounds				
10	Tobacco.....	do.	1,105	967	1,116	957
11	Cotton.....	do.	442	355	427	326
12	Corn.....	Bushels	19.2	22.3	18.9	22.0
	Hay.....	Tons	1.0	1.0	1.0	.9
13	Livestock on farms, January 1:	Number				
14	All cattle.....	do.	2.1	2.1	2.1	2.1
15	Milk cows.....	do.	1.4	1.4	1.4	1.4
16	Chickens.....	do.	54	57	60	60
	Mules.....	do.	2.8	2.9	3.0	3.0
17	Pigs raised.....	do.	9.2	9.3	10.5	13.6
18	Tractors on farm.....	do.	0	0	0	.05
19	Total labor used.....	Hours	6,530	6,400	6,840	6,870
20	Operator and family.....	do.	2,830	2,790	2,970	2,970
21	Hired.....	do.	870	830	910	920
22	Cropper.....	do.	2,830	2,780	2,960	2,980
23	Total farm capital, January 1.....	Dollars	6,770	6,810	7,520	8,220
24	Land and buildings.....	do.	5,500	5,500	6,000	6,400
25	Machinery and equipment.....	do.	450	480	540	640
26	Livestock.....	do.	630	610	720	860
27	Crops for sale, feed and seed.....	do.	190	220	260	320
28	Total cash receipts.....	do.	1,660	2,441	3,608	3,401
29	Tobacco.....	do.	1,046	1,625	2,624	2,535
30	Cotton.....	do.	373	512	708	570
31	Other crops.....	do.	22	35	60	37
32	Livestock and livestock products.....	do.	59	89	115	137
33	Other, including Government payments.....	do.	160	180	101	102
34	Total cash expenditures.....	do.	1,143	1,369	1,757	1,890
35	Feed purchased & other livestock exp.....	do.	94	98	109	148
36	Crop expense.....	do.	300	296	355	429
37	Machinery.....	do.	201	232	261	312
38	Farm buildings and fences.....	do.	81	81	66	71
39	Labor hired.....	do.	121	133	182	240
40	Cropper labor.....	do.	271	453	705	606
41	General farm and miscellaneous.....	do.	75	76	79	84
42	Net cash farm income.....	do.	517	1,072	1,851	1,511
43	Perquisites for cropper and hired labor.	do.	173	218	283	376
44	Total value of perquisites.....	do.	440	540	690	901
45	Change in inventory:	do.				
46	Crops and livestock.....	do.	29	49	-12	19
	Machinery and buildings.....	do.	43	60	31	49
47	Net farm income.....	do.	856	1,503	2,277	2,104
48	Charge for capital.....	do.	342	334	364	398
49	Return to operator and family labor.....	do.	514	1,169	1,913	1,706
50	Purchasing power in 1937-41 dollars.....	do.	530	1,113	1,594	1,273
51	Return per hour in current dollars.....	do.	.18	.42	.64	.57
52	Index numbers (1947-49 = 100):	Percent				
53	Gross farm income.....	do.	30	43	61	61
54	Net farm income.....	do.	27	47	71	66
55	Net farm production.....	do.	77	68	81	74
56	Crop yields per acre.....	do.	90	80	90	78
57	Production per hour of man labor.....	do.	88	80	88	80
58	Production per unit of input.....	do.	96	86	96	86
59	Operating expense per unit of production.....	do.	43	58	64	77
60	Total cost per unit of production.....	do.	43	55	60	74
61	Power and machinery, January 1.....	do.	55	57	59	67
62	Prices received for products sold.....	do.	35	62	76	81
	Prices paid, incl. wages to hired labor ²	do.	46	55	67	68

¹Data not available prior to 1940.²Includes cropper labor.

1944	1945	1946	1947	1948	1949	1950	1951	
100 41 59	100 41 59	100 41 59	100 41 59	100 41 59	100 42 58	100 40 60	100 42 58	1 2 3
8.1 6.9 16.0 7.0 6.0	8.4 6.4 16.2 7.2 5.7	9.4 6.1 16.5 6.7 5.2	9.2 6.7 16.5 6.7 5.5	7.0 7.6 17.4 6.5 5.9	7.4 8.4 17.2 6.8 5.7	7.5 5.6 17.9 6.0 6.6	8.5 7.6 17.4 5.5 6.0	4 5 6 7 8
1,116 466 20.7 .9	1,122 293 25.1 1.0	1,198 307 27.2 1.0	1,215 307 32.1 1.0	1,300 468 27.1 1.0	1,256 241 36.1 1.2	1,406 108 33.7 1.0	1,422 377 31.2 1.0	9 10 11 12
2.0 1.3 62 3.0	2.0 1.3 64 3.0	2.0 1.3 66 3.0	2.0 1.3 70 2.9	2.0 1.3 68 2.9	2.0 1.3 66 2.7	2.0 1.3 64 2.4	2.0 1.3 65 2.3	13 14 15 16
11.1	10.2	11.3	11.6	12.3	13.0	13.0	14.3	17
.07	.10	.13	.18	.21	.26	.35	.42	18
7,580 3,260 1,060 3,260	7,560 3,250 1,060 3,250	8,010 3,430 1,150 3,430	7,970 3,400 1,160 3,410	7,120 3,070 990 3,060	7,240 3,110 1,020 3,110	6,940 2,990 970 2,980	7,670 3,270 1,130 3,270	19 20 21 22
9,910 7,700 730 1,010 470	11,040 8,800 820 960 460	13,170 10,700 920 1,050 500	15,240 12,400 1,110 1,120 610	16,370 13,000 1,370 1,120 880	16,760 13,500 1,620 1,110 530	17,320 14,000 1,830 890 600	18,900 15,300 2,000 920 680	23 24 25 26 27
4,820 3,788 818 36 153 25	4,752 4,018 515 46 149 24	6,626 5,598 733 61 203 31	5,939 4,668 821 1302 266 30	6,130 4,355 1,302 132 322 19	5,586 4,411 676 169 293 37	6,765 5,781 294 375 279 36	8,526 6,481 1,323 346 336 40	28 29 30 31 32 33
2,487	2,662	3,423	3,493	3,536	3,486	3,880	4,707	34
163 545 376 85 329 901 88	165 607 443 114 382 854 97	185 757 518 158 472 1,230 103	215 901 564 183 520 996 114	227 872 621 168 446 1,078 124	195 927 679 175 469 908 133	184 910 811 181 447 1,213 134	200 1,083 937 226 565 1,548 148	35 36 37 38 39 40 41
2,333 354	2,090 385	3,203 401	2,446 486	2,594 472	2,100 418	2,885 377	3,819 476	42 43
864	944	1,000	1,206	1,182	1,066	979	1,214	44
-46 61	52 107	41 160	126 144	-81 73	75 70	-50 153	-54 175	45 46
2,858	2,808	4,003	3,436	3,296	2,893	3,590	4,678	47
480	525	655	776	845	861	906	1,027	48
2,378 1,687 .73	2,283 1,553 .70	3,348 2,054 .98	2,660 1,393 .78	2,451 1,213 .80	2,032 1,037 .65	2,684 1,356 .90	3,651 1,691 .12	49 50 51
80 89 94 92 93 101 76 74 72 86 80	81 88 91 88 90 96 119 83 83 79 90 81	108 125 104 93 90 96 102 91 90 87 108 94	103 107 106 93 99 96 102 103 94 92 95 95	102 103 99 105 103 99 102 103 101 100 104 105	95 90 95 99 98 100 96 104 105 108 101 100	109 112 96 101 103 98 96 104 105 108 101 100	137 146 118 110 111 110 98 110 108 121 118 110	52 53 54 55 56 57 58 59 60 61 62

TABLE 12.--Tobacco farms (small), Coastal Plain, North Carolina:
Organization, production, costs and returns, 1943-51¹

	ITEM	UNIT	1943	1944	1945	1946	1947	1948	1949	1950	1951
1	Land in farm.....	Acres	50	50	50	50	50	50	50	50	50
2	Cropland harvested.....	do.	20	20	20	20	20	20	20	20	20
3	Other.....	do.	30	30	30	30	30	30	30	30	30
4	Crops harvested:										
5	Tobacco.....	do.	3.9	4.7	4.8	5.4	5.3	4.0	4.2	4.3	4.9
6	Corn.....	do.	9.6	9.3	9.2	9.0	9.0	10.0	10.0	10.4	10.6
7	Hay.....	do.	4.5	4.2	4.5	4.2	4.5	4.5	4.0	4.0	3.5
	Other.....	do.	4.5	4.5	4.0	3.5	3.5	3.5	3.5	3.8	3.5
8	Crop yields per harvested acre:										
9	Tobacco.....	Pounds	957	1,116	1,122	1,198	1,215	1,300	1,256	1,406	1,422
10	Corn.....	Bushels	22.0	20.7	25.1	27.2	32.1	27.1	36.1	33.7	31.2
	Hay.....	Tons	.9	.9	1.0	1.0	1.0	1.0	1.2	1.0	1.0
11	Livestock on farms, January 1:										
12	All cattle.....	Number	1	1	1	1	1	1	1	1	1
13	Milk cows.....	do.	1	1	1	1	1	1	1	1	1
14	Chickens.....	do.	47	50	53	60	60	60	60	60	60
	Mules.....	do.	2	2	2	2	2	2	2	2	2
15	Pigs raised.....	do.	3	3	3	4	4	4	4	4	4
16	Tractors on farm.....	do.	0	0	0	0	0	0	0	0	0
17	Total labor used.....	Hours	3,510	3,850	3,950	4,210	4,190	3,600	3,650	3,750	3,990
18	Operator and family.....	do.	3,070	3,340	3,430	3,630	3,610	3,130	3,170	3,250	3,430
19	Hired.....	do.	440	510	520	580	580	470	480	500	560
20	Total farm capital, January 1.....	Dollars	4,670	5,500	6,100	7,170	8,260	8,770	8,920	9,160	9,920
21	Land and buildings.....	do.	3,500	4,050	4,650	5,600	6,500	6,750	7,000	7,250	7,900
22	Machinery and equipment.....	do.	480	540	570	610	720	830	920	950	1,010
23	Livestock.....	do.	520	630	610	670	700	690	680	610	610
24	Crops for sale, feed and seed.....	do.	170	280	270	290	340	500	320	350	400
25	Total cash receipts.....	do.	1,617	2,336	2,452	3,448	2,967	2,748	2,793	3,694	4,147
26	Tobacco.....	do.	1,454	2,198	2,296	3,216	2,689	2,489	2,504	3,314	3,736
27	Other crops.....	do.	31	46	46	56	71	42	79	181	171
28	Livestock and livestock products.....	do.	82	80	99	161	192	208	193	181	221
29	Other, including Government payments.....	do.	50	12	11	15	15	9	17	18	19
30	Total cash expenditures.....	do.	672	812	936	1,212	1,288	1,206	1,241	1,326	1,578
31	Feed purchased & other livestock expense.....	do.	118	129	138	182	206	211	185	185	196
32	Crop expense.....	do.	202	259	280	406	453	426	440	452	599
33	Power and machinery.....	do.	168	193	240	276	243	236	264	323	342
34	Farm buildings and fences.....	do.	27	31	42	58	67	61	63	66	82
35	Labor hired.....	do.	115	157	189	238	262	210	222	230	282
36	General farm and miscellaneous.....	do.	42	43	47	52	57	62	67	70	77
37	Net cash farm income.....	do.	945	1,524	1,516	2,236	1,679	1,542	1,552	2,368	2,569
38	Value of perquisites.....	do.	541	522	569	631	735	754	681	638	766
39	Change in inventory:										
40	Crops and livestock.....	do.	36	-14	50	10	69	-16	70	-18	-29
	Machinery and buildings.....	do.	16	17	58	81	28	-17	-14	28	34
41	Net farm income.....	do.	1,538	2,049	2,193	2,958	2,511	2,263	2,289	3,016	3,340
42	Charge for capital.....	do.	228	268	289	357	422	455	459	481	541
43	Return to operator and family labor.....	do.	1,310	1,781	1,904	2,601	2,089	1,808	1,830	2,535	2,799
44	Purchasing power in 1937-41 dollars.....	do.	978	1,263	1,295	1,596	1,094	895	934	1,280	1,296
45	Return per hour in current dollars.....	do.	.43	.53	.56	.72	.58	.58	.58	.78	.82
46	Index numbers (1947-49=100):										
47	Gross farm income.....	Percent	61	79	85	114	105	97	98	120	136
48	Net farm income.....	do.	65	87	93	126	107	96	97	128	142
49	Net farm production.....	do.	72	90	94	109	110	92	98	107	118
50	Crop yields per acre.....	do.	75	85	88	94	97	101	102	110	110
51	Production per hour of man labor.....	do.	78	89	91	99	100	98	102	109	113
52	Production per unit of input.....	do.	83	97	97	102	103	96	101	106	109
53	Operating expense per unit of production.....	do.	73	71	75	83	92	106	102	97	105
54	Total cost per unit of production.....	do.	74	73	80	86	94	105	101	96	101
55	Power and machinery, January 1.....	do.	81	85	87	95	101	100	99	102	100
56	Prices received for products sold.....	do.	85	91	93	108	93	104	103	117	117
	Prices paid, incl. wages to hired labor.	do.	71	78	80	86	96	102	102	102	109

¹Data not available prior to 1943.

TABLE 13.--Tobacco - cotton farms (large), Coastal Plain, North Carolina:

	ITEM	UNIT	1940	1941	1942	1943
1	Land in farm.....	Acres	170	170	170	170
2	Cropland harvested.....	do.	70	71	73	72
3	Other.....	do.	100	99	97	98
4	Crops harvested:					
5	Tobacco.....	do.	9.0	9.0	10.0	10.7
6	Cotton.....	do.	10.7	10.2	11.1	10.9
7	Corn.....	do.	30.0	28.5	28.0	27.4
8	Hay.....	do.	13.0	14.0	14.5	14.0
	Other.....	do.	12.3	14.3	16.4	14.0
9	Crop yield per harvested acre:					
10	Tobacco.....	Pounds	1,105	967	1,116	957
11	Cotton.....	do.	442	355	427	326
12	Corn.....	Bushels	19.2	22.3	18.9	22.0
	Hay.....	Tons	1.0	1.0	1.0	.9
13	Livestock on farms, January 1:					
14	All cattle.....	Number	5	5	5	5
15	Milk cows.....	do.	3	3	3	3
16	Chickens.....	do.	108	108	108	120
	Mules.....	do.	5	5	5	5
17	Pigs raised.....	do.	12	12	12	12
18	Tractors on farm.....	do.	0	0	0	0
19	Total labor used.....	Hours	10,700	10,510	11,300	11,300
20	Operator and family.....	do.	3,110	3,070	3,280	3,280
21	Hired.....	do.	1,360	1,310	1,450	1,460
22	Cropper.....	do.	6,230	6,130	6,570	6,560
23	Total farm capital, January 1.....	Dollars	12,730	12,760	14,080	15,700
24	Land and buildings.....	do.	10,540	10,540	11,560	12,750
25	Machinery and equipment.....	do.	720	760	840	930
26	Livestock.....	do.	1,140	1,090	1,240	1,450
27	Crops for sale, feed and seed.....	do.	330	370	440	570
28	Total cash receipts.....	do.	2,625	3,896	5,823	5,412
29	Tobacco.....	do.	1,603	2,522	4,155	3,988
30	Cotton.....	do.	570	804	1,106	887
31	Other crops.....	do.	51	88	163	96
32	Livestock and livestock products.....	do.	121	162	214	261
33	Other, including Government payments.....	do.	280	320	175	180
34	Total cash expenditures.....	do.	1,980	2,433	3,192	3,308
35	Feed purchased & other livestock expense.....	do.	177	176	198	254
36	Crop expense.....	do.	457	452	552	654
37	Power and machinery.....	do.	308	347	390	447
38	Farm buildings and fences.....	do.	157	157	129	142
39	Labor hired.....	do.	191	210	291	381
40	Cropper labor.....	do.	562	962	1,498	1,291
41	General farm and miscellaneous.....	do.	128	129	134	139
42	Net cash farm income.....	do.	645	1,463	2,631	2,104
43	Perquisites for cropper and hired labor...	do.	445	566	725	943
44	Total value of perquisites.....	do.	758	937	1,187	1,526
45	Change in inventory:					
46	Crops and livestock.....	do.	18	46	-41	28
	Machinery and buildings.....	do.	65	85	35	70
47	Net farm income.....	do.	1,041	1,965	3,087	2,785
48	Charge for capital.....	do.	643	626	679	754
49	Return to operator and family labor.....	do.	398	1,339	2,408	2,031
50	Purchasing power in 1937-41 dollars.....	do.	410	1,275	2,007	1,516
51	Return per hour in current dollars.....	do.	.13	.44	.73	.62
52	Index numbers (1947-49=100):					
53	Gross farm income.....	Percent	30	42	61	61
54	Net farm income.....	do.	27	50	79	71
55	Net farm production.....	do.	75	68	81	73
56	Crop yields per acre.....	do.	89	80	89	78
57	Production per hour of man labor.....	do.	76	70	78	70
58	Production per unit of input.....	do.	94	85	97	87
59	Operating expense per unit of production.....	do.	41	57	63	75
60	Total cost per unit of production.....	do.	43	57	61	75
61	Power and machinery, January 1.....	do.	32	33	33	35
62	Prices received for products sold..... ²	do.	35	62	76	81
	Prices paid, incl. wages to hired labor..... ²	do.	43	53	66	66

¹Data not available prior to 1940.²Includes cropper labor.

1944	1945	1946	1947	1948	1949	1950	1951	
170 71 99	170 71 99	170 71 99	170 71 99	170 71 99	170 72 98	170 71 99	170 72 98	1 2 3
12.8 10.8 27.4 13.0 12.0	13.2 10.1 27.7 14.0 12.0	14.8 9.6 27.6 12.0 12.0	14.5 10.5 27.0 12.0 12.0	11.0 11.9 28.5 12.0 12.6	11.6 13.1 28.8 11.0 12.5	11.8 8.9 30.3 11.0 14.0	13.6 11.8 29.6 10.0 12.0	4 5 6 7 8
1,116 466 20.7 .9	1,122 293 25.1 1.0	1,198 307 27.2 1.0	1,215 307 32.1 1.0	1,300 468 27.1 1.0	1,256 241 36.1 1.2	1,406 108 33.7 1.0	1,422 377 31.2 1.0	9 10 11 12
5 3 120 5	5 3 120 5	5 3 125 5	5 3 135 4	5 3 135 4	5 3 135 3	5 3 135 3	5 3 135 3	13 14 15 16
12	12	18	18	18	18	18	18	17
0	0	0	1.0	1.0	1.0	1.0	1.0	18
12,340 3,550 7,100 1,690	12,340 3,550 7,100 1,690	13,030 3,730 7,460 1,840	11,700 3,360 6,710 1,630	10,310 2,980 5,970 1,360	10,530 3,030 6,070 1,430	10,250 2,950 5,910 1,390	11,440 3,270 6,530 1,640	19 20 21 22
18,240 14,620 1,060 1,720 840	20,300 16,660 1,150 1,650 840	24,440 19,890 1,830 1,820 900	28,950 22,780 3,240 1,860 1,070	30,850 23,800 3,680 1,870 1,500	31,340 24,650 4,100 1,680 910	32,380 25,500 4,390 1,510 980	35,230 27,880 4,520 1,620 1,210	23 24 25 26 27
7,661 5,986 1,280 105 247 43	7,575 6,314 813 1,153 128 247 280 40	10,603 8,813 1,286 1,286 380 308 586 54	9,662 7,357 2,039 1,461 339 310 608 53	9,832 6,844 1,055 405 734 533 497 33	8,971 6,915 466 1,055 734 533 657 63	10,856 9,095 10,370 2,054 760 657 68	13,909 10,370 10,370 30 31 32 33	28 29 30 31 32 33
4,412 272 895 514 163 1,895 524 149	4,636 292 324 966 1,239 793 1,356 296 339 752 732 173	6,141 360 410 1,393 1,393 1,461 1,461 310 321 612 657 191	6,392 360 410 1,358 1,358 1,472 1,472 310 321 612 657 206	6,520 341 341 2,021 2,021 1,815 1,815 612 657 221	6,254 337 337 1,427 1,427 1,694 1,694 321 332 636 636 221	7,152 366 366 1,498 1,498 1,804 1,804 321 415 820 820 225	8,660 355 355 1,767 1,767 1,804 1,804 415 38 39 39 40 243 41	34 35 35 36 36 37 37 38 38 39 39 40 41
3,249 883	2,939 953	4,462 1,038	3,270 1,233	3,312 1,239	2,717 1,092	3,704 1,000	5,249 1,231	42 43
1,451	1,575	1,721	2,047	2,065	1,852	1,721	2,089	44
-35 67	116 112	-23 99	162 94	-283 -13	167 -53	28 104	-128 95	45 46
3,849	3,789	5,221	4,340	3,842	3,591	4,557	6,074	47
879	955	1,216	1,478	1,599	1,616	1,701	1,921	48
2,970 2,106 .84	2,834 1,928 .80	4,005 2,457 1.07	2,862 1,498 .85	2,243 1,110 .75	1,975 1,008 .65	2,856 1,442 .97	4,153 1,923 1.27	49 50 51
79 98 94 91 88 82 102 74 73 38 86 79	81 97 91 91 93 80 97 80 91 63 90 79	107 133 102 106 93 85 100 94 94 99 108 93	103 111 106 97 96 98 102 94 104 99 96 95	101 98 97 97 105 103 100 98 102 102 103 105	96 91 98 98 99 99 100 95 102 102 101 100	110 116 119 119 101 103 100 95 108 108 101 105	138 155 119 119 110 113 109 109 107 107 104 118	52 53 54 54 55 56 57 57 59 59 60 61 62

TABLE 14.--Cotton farms, southern Piedmont:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	156	156	156	156	157	157	157	158
2	Cropland harvested.....	do.	64	66	67	62	61	63	66	68
3	Crops harvested:									
4	Cotton.....	do.	32.0	30.6	26.8	22.7	21.0	21.2	21.8	23.9
5	Corn.....	do.	20.0	21.5	22.3	22.8	23.4	23.4	22.3	22.0
6	Small grains.....	do.	5.2	6.3	7.5	7.3	8.1	8.7	9.1	8.5
	Hay.....	do.	4.8	4.7	7.4	6.4	6.0	6.4	7.7	9.0
7	Crop yields per harvested acre:									
8	Cotton.....	Pounds	231	238	177	244	220	234	213	279
	Corn.....	Bushels	13.1	12.7	11.0	13.2	11.2	13.7	9.0	12.3
9	Livestock on farm, January 1:									
10	All cattle.....	Number	3.5	3.5	3.8	4.0	4.0	3.9	3.9	3.3
11	Milk cows.....	do.	1.8	2.1	2.1	2.2	2.4	2.3	2.4	2.0
12	Chickens.....	do.	40	37	37	37	35	36	37	36
	Horses and mules.....	do.	3.0	2.9	3.0	3.0	2.9	2.9	2.6	2.7
13	Pigs raised.....	do.	4.3	4.2	3.9	3.5	3.5	3.1	3.0	3.0
14	Tractors on farm.....	do.	.04	.05	.05	.05	.06	.07	.08	.09
15	Total labor used.....	Hours	6,500	6,380	6,090	5,530	5,340	5,380	5,460	5,690
16	Operator and family.....	do.	3,010	3,050	3,210	3,020	2,920	3,050	2,960	2,900
17	Hired.....	do.	450	540	290	330	250	520	500	860
18	Cropper.....	do.	3,040	2,790	2,590	2,180	2,170	1,810	2,000	1,930
19	Total farm capital, January 1.....	Dollars	5,120	4,340	3,160	2,830	3,880	4,500	4,230	4,580
20	Land and buildings.....	do.	4,040	3,410	2,440	2,160	3,030	3,510	3,250	3,450
21	Machinery and equipment.....	do.	280	270	240	220	220	220	240	250
22	Livestock.....	do.	530	430	340	320	430	500	550	620
23	Crops for sale, seed and feed.....	do.	270	230	140	130	200	270	190	260
24	Total cash receipts.....	do.	963	597	441	766	965	980	1,033	978
25	Cotton, lint and seed.....	do.	808	469	346	539	692	640	688	666
26	Other crops.....	do.	61	50	40	94	95	134	78	125
27	Cattle.....	do.	21	14	12	16	15	22	35	22
28	Other livestock and livestock products.....	do.	63	55	36	31	38	54	82	69
29	Other, including Government payments.....	do.	10	9	7	86	125	130	150	96
30	Total cash expenditures.....	do.	933	660	469	557	648	680	734	857
31	Feed purchased.....	do.	61	50	40	42	50	52	55	53
32	Livestock expense.....	do.	44	44	36	35	47	41	64	65
33	Fertilizer.....	do.	267	185	101	103	145	161	156	219
34	Poison.....	do.	19	16	10	9	8	8	11	13
35	Other crop expense.....	do.	26	20	14	11	17	22	22	32
36	Ginning.....	do.	56	41	27	40	36	35	32	45
37	Machinery.....	do.	122	87	77	83	106	107	122	136
38	Machine work hired.....	do.	12	11	9	12	14	14	13	17
39	Farm buildings and fences.....	do.	36	19	9	22	26	39	38	41
40	Labor, hired and cropper.....	do.	215	116	79	143	142	140	162	174
41	Taxes.....	do.	62	61	58	48	47	50	48	50
42	Other.....	do.	13	10	9	9	10	11	11	12
43	Net cash farm income.....	do.	30	-63	-28	209	317	300	299	121
44	Perquisites for cropper and hired labor.....	do.	192	146	115	100	135	116	121	107
45	Total value of perquisites.....	do.	464	367	285	283	322	350	372	357
46	Change in inventory:									
47	Crops and livestock.....	do.	-13	23	7	-16	-18	-41	1	2
	Machinery and buildings.....	do.	-6	-35	-49	-12	-4	3	11	18
48	Net farm income.....	do.	283	146	100	364	482	496	562	391
49	Charge for capital.....	do.	343	294	215	191	240	257	226	241
50	Return to operator and family labor.....	do.	-60	-148	-115	173	242	239	336	150
51	Purchasing power in 1937-41 dollars.....	do.	-52	-148	-135	199	247	239	336	146
52	Return per hour in current dollars..... ¹	do.	-.02	-.05	-.04	.06	.08	.08	.11	.05
53	Index numbers (1947-49 = 100):									
54	Gross farm income.....	Percent	39	28	20	29	35	36	39	37
55	Net farm income.....	do.	18	9	6	23	31	32	36	25
56	Net farm production.....	do.	108	113	84	90	81	88	82	104
57	Crop yields per acre.....	do.	78	82	66	81	73	81	70	87
58	Production per hour of man labor.....	do.	74	79	61	73	68	73	67	82
59	Production per unit of input.....	do.	98	105	84	96	88	93	85	103
60	Operating expense per unit of production.....	do.	52	37	37	37	48	45	51	45
61	Total cost per unit of production.....	do.	48	35	35	33	44	42	45	39
62	Power and machinery, January 1.....	do.	53	52	50	45	42	44	45	47
63	Prices received for products sold..... ¹	do.	33	20	22	30	42	38	42	31
	Prices paid, incl. wages to hired labor..... ¹	do.	49	38	33	39	45	45	46	47

¹ Includes cropper labor.

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
158 65	158 65	159 67	159 65	159 66	160 66	160 63	160 61	160 62	161 60	161 60	161 64	167 56	169 63	1 2
20.6 24.0 8.6 8.6	20.0 22.7 9.1 9.1	19.9 22.1 9.3 10.0	19.7 20.1 9.2 10.3	19.1 17.6 10.5 12.3	19.8 19.6 10.2 11.1	19.0 18.0 11.9 11.2	17.3 17.1 11.4 10.4	18.3 17.1 12.1 11.0	17.7 17.0 12.1 9.8	17.5 16.7 11.4 10.9	20.4 17.7 11.4 10.5	16.4 18.4 12.0 8.6	19.0 19.3 12.1 11.3	3 4 5 6
205 12.4	285 12.0	329 11.7	177 10.9	315 13.2	252 14.4	311 13.8	332 15.7	300 16.1	281 16.8	345 17.7	228 20.2	203 20.4	322 19.3	7 8
3.3 2.0 38 2.7	3.4 2.0 39 2.7	3.5 1.9 41 2.7	3.9 2.2 39 2.8	4.0 2.2 47 2.9	3.9 2.1 47 2.7	4.1 2.4 47 2.6	4.2 2.3 46 2.8	3.6 2.1 45 2.4	3.8 2.1 44 2.2	3.6 2.1 42 2.1	3.8 2.0 46 1.9	4.7 2.1 49 1.8	9 10 11 12	
3.0	3.8	3.5	3.5	3.2	3.8	4.0	3.5	3.6	3.4	3.3	3.4	3.3	3.5	13
.11	.13	.14	.16	.19	.21	.21	.23	.24	.29	.33	.37	.43	.49	14
5,290 3,090 560 1,640	5,160 2,850 660 1,650	5,130 2,750 740 1,640	5,000 3,070 520 1,410	4,870 2,950 760 1,160	4,990 2,980 800 1,210	4,960 2,940 890 1,130	4,580 2,840 650 1,090	4,660 2,910 690 1,060	4,420 2,900 470 1,050	4,320 2,790 530 1,000	4,630 3,030 440 1,160	3,910 2,720 290 900	4,620 2,810 500 1,310	15 16 17 18
4,350 3,310 280 580 180	4,750 3,710 290 590 170	4,760 3,670 320 600 220	5,070 3,930 390 700 370	5,590 4,230 430 860 510	6,410 4,810 460 910 500	7,430 5,550 520 860 500	8,040 6,160 570 950 460	8,900 6,920 890 940 590	10,740 8,450 1,070 900 590	11,260 8,880 1,130 900 510	11,850 9,400 1,070 790 410	11,870 9,540 1,130 890 480	13,670 11,020 1,280 890 23	
883 426 113 20 80 244	1,045 605 102 25 87 226	1,135 722 112 13 73 215	1,082 696 130 37 96 165	1,780 1,328 236 53 160 109	1,781 1,185 323 61 182 117	2,062 1,453 347 36 144 106	2,145 1,449 471 64 220 65	3,023 2,153 1,864 108 211 80	2,889 1,864 572 70 274 85	3,118 2,107 1,474 106 272 61	2,475 1,474 708 93 284 83	2,610 1,492 940 41 263 106	4,098 2,616 940 119 322 101	24 25 26 27 28 29
722	786	861	870	1,130	1,260	1,402	1,448	1,785	1,808	2,021	1,889	1,969	2,533	30
46 75 202 11 22 30 138 12 38 97 40 11	50 60 199 8 20 43 143 14 54 145 39 11	53 58 204 7 218 24 187 23 47 174 40 11	60 79 264 9 320 22 189 39 49 144 41 11	73 73 349 11 30 34 191 50 41 290 41 13	89 87 327 12 13 46 237 63 42 305 37 15	90 91 336 13 16 46 252 74 36 380 37 16	93 110 367 13 16 54 330 74 36 383 39 16	110 55 406 18 44 54 353 87 106 537 44 18	113 80 406 24 59 72 72 95 128 428 47 21	121 78 504 28 59 72 73 84 150 472 51 24	105 78 402 71 52 43 412 94 116 326 57 23	110 55 402 82 64 105 539 90 112 305 61 24	127 58 468 34 64 105 650 96 120 671 66 26	31 32 33 34 35 36 37 38 39 40 41 42
161	259	274	212	650	521	660	697	1,238	1,081	1,097	586	741	1,565	43
92	82	75	82	97	134	132	142	172	187	175	150	114	150	44
318	329	324	371	456	619	617	643	723	822	807	787	716	831	45
12 12	17 14	20 31	36 27	-5 15	-11 -7	-30 13	31 5	-90 86	-122 79	2 91	-31 12	1 42	148 70	46 47
411	537	574	564	1,019	988	1,128	1,234	1,785	1,673	1,822	1,204	1,386	2,464	48
216	237	234	243	268	312	357	381	437	532	564	601	602	743	49
195 199 .06	300 309 .11	340 351 .12	321 306 .10	751 626 .25	676 504 .23	771 547 .26	853 580 .30	1,348 827 .46	1,141 597 .39	1,258 623 .45	603 308 .20	784 797 .29	1,721 51 .61	50 51 52
34 26 82 75 69 86 48 44 53 32 45	39 34 97 91 84 102 43 39 55 32 47	41 37 104 97 90 106 64 38 59 55 48	42 36 72 65 64 91 60 53 67 62	62 65 100 91 91 101 75 70 69 71	67 72 101 101 91 101 76 72 69 71	74 79 90 99 91 102 76 89 81 73	79 114 100 106 95 106 93 101 96 81	102 107 100 97 94 102 93 90 96 92	100 116 94 113 94 112 105 101 105 105	110 77 109 90 112 94 97 84 103 98	90 89 97 90 94 97 85 110 106 98	93 157 122 110 97 113 106 115 103 103	142 54 55 56 57 58 59 60 61 62	

TABLE 15.--Cotton farms, Black Prairie, Texas:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	120	121	122	124	125	127	130	135
2	Cropland harvested.....	do.	93	94	101	93	90	91	93	103
3	Crops harvested:									
4	Cotton.....	do.	64.0	57.4	57.2	51.8	43.9	45.6	52.1	60.6
5	Corn.....	do.	17.0	19.2	24.5	23.4	25.1	24.6	23.1	24.1
6	Oats.....	do.	5.8	9.8	9.8	6.6	8.9	8.9	7.9	9.2
7	Grain sorghum.....	do.	1.2	1.4	1.6	1.6	2.0	3.0	1.7	1.8
	Hay and forage.....	do.	5.4	6.3	7.7	10.0	9.6	9.2	8.2	7.0
8	Crop yields per harvested acre:									
9	Cotton.....	Pounds	144	185	144	191	141	115	139	189
	Corn.....	Bushels	19.5	19.2	20.4	15.0	10.4	25.5	19.1	20.2
10	Livestock on farm, January 1:									
11	All cattle.....	Number	4.2	4.4	4.7	5.5	6.2	5.5	5.5	6.3
12	Milk cows.....	do.	2.4	2.4	2.3	2.5	2.6	2.6	2.7	3.2
13	Beef cows.....	do.	.1	.1	.2	.2	.3	.3	.3	.3
	Chickens.....	do.	74	73	74	76	73	68	70	77
14	Pigs raised.....	do.	3.4	3.7	4.2	4.7	4.4	4.5	4.6	4.8
15	Tractors on farm.....	do.	.03	.05	.06	.07	.08	.10	.14	.20
16	Total labor used.....	Hours	5,160	5,440	5,020	5,810	4,320	4,130	4,630	5,840
17	Operator and family.....	do.	3,100	3,070	3,200	3,380	3,020	3,010	2,970	3,200
18	Hired.....	do.	2,060	2,370	1,820	2,430	1,300	1,120	1,660	2,640
19	Total farm capital, January 1.....	Dollars	11,460	9,150	6,660	6,390	7,120	7,740	8,120	9,070
20	Land and buildings.....	do.	10,080	7,990	5,730	5,580	6,120	6,520	6,820	7,510
21	Machinery and equipment.....	do.	410	420	390	350	340	340	420	500
22	Livestock.....	do.	610	440	370	340	430	480	630	670
23	Crops for sale, feed and seed.....	do.	360	300	170	120	230	400	250	390
24	Total cash receipts.....	do.	1,300	796	713	1,307	1,285	1,264	1,498	1,739
25	Cotton, lint and seed.....	do.	1,100	637	567	979	980	692	1,055	1,242
26	Other crops.....	do.	9	32	66	44	11	204	109	121
27	Cattle.....	do.	41	27	10	9	32	25	25	63
28	Dairy products.....	do.	38	23	12	15	19	35	42	63
29	Hogs.....	do.	19	16	11	11	8	38	38	42
30	Poultry and eggs.....	do.	84	54	40	38	49	74	76	82
31	Other, including Government payments.....	do.	9	7	7	211	186	196	153	126
32	Total cash expenditures.....	do.	852	717	533	667	575	650	768	1,037
33	Feed purchased.....	do.	45	33	23	24	28	30	33	37
34	Livestock expense.....	do.	32	26	19	18	21	31	26	38
35	Poison.....	do.	-	-	-	-	-	-	-	-
36	Other crop expense.....	do.	41	39	23	24	31	53	30	41
37	Canning.....	do.	114	102	80	120	75	61	87	135
38	Machinery.....	do.	164	132	116	122	148	216	250	307
39	Machine work hired.....	do.	33	30	23	23	19	637	22	31
40	Farm buildings and fences.....	do.	50	35	19	26	38	48	52	57
41	Labor hired.....	do.	265	209	141	223	137	117	194	314
42	Taxes.....	do.	91	96	76	75	66	62	61	63
43	Other.....	do.	17	15	13	12	12	13	13	14
44	Net cash farm income.....	do.	448	79	180	640	710	614	730	702
45	Value of perquisites.....	do.	302	241	185	193	202	232	266	271
46	Change in inventory:									
47	Crops and livestock.....	do.	-3	19	11	-11	-35	32	17	-9
	Machinery and buildings.....	do.	9	-21	-36	-29	-2	60	64	83
48	Net farm income.....	do.	756	318	340	793	875	938	1,077	1,047
49	Charge for capital.....	do.	821	648	465	434	457	469	449	482
50	Return to operator and family labor.....	do.	-65	-330	-125	359	418	469	628	565
51	Purchasing power in 1937-41 dollars.....	do.	-56	-330	-147	413	427	469	628	549
52	Return per hour in current dollars.....	do.	-.02	-.11	-.04	.11	.14	.16	.21	.18
53	Index numbers (1947-49 = 100):	Percent	26	17	15	24	24	25	29	33
54	Gross farm income.....	do.	24	10	11	26	28	30	35	34
55	Net farm income.....	do.	73	85	74	79	53	61	66	95
56	Net farm production.....	do.	84	102	85	101	74	76	80	104
57	Crop yields per acre.....	do.	71	79	75	69	62	75	72	82
58	Production per hour of man labor.....	do.	95	108	100	94	79	93	90	108
59	Production per unit of input.....	do.	39	29	26	30	37	33	36	34
60	Operating expense per unit of production.....	do.	58	41	35	37	50	45	46	39
61	Total cost per unit of production.....	do.	41	42	40	36	34	33	40	46
62	Power and machinery, January 1.....	do.	35	18	20	28	42	36	42	32
63	Prices received for products sold.....	do.	47	37	34	35	42	46	44	44

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
138 91	141 91	143 95	145 90	146 88	147 102	149 101	151 97	153 99	155 102	157 101	159 104	161 97	163 104	1 2
43.6 26.3 11.1 1.8 8.6	42.9 28.6 9.7 1.7 8.5	43.9 28.1 9.4 1.7 11.8	42.0 30.0 7.5 1.4 11.4	43.4 33.6 6.5 1.5 13.1	46.8 31.1 7.9 2.1 13.1	47.2 25.8 8.2 2.2 11.0	49.7 26.1 7.7 2.4 8.1	54.9 24.4 6.8 2.4 7.4	61.5 20.4 4.6 2.7 7.0	66.4 17.9 5.5 2.3 6.8	71.4 17.9 5.5 4.3 6.7	52.0 28.4 5.5 4.3 6.8	74.0 18.3 2.6 2.5 6.8	3 4 5 6 7
179 20.9	162 18.8	173 25.1	123 18.8	151 16.5	169 19.2	155 16.5	137 17.5	106 18.6	174 18.4	162 18.8	202 25.2	153 23.3	125 20.0	8 9
6.2 3.3 .3 73	5.6 3.4 .3 77	6.0 3.2 .4 80	7.7 3.0 .6 75	9.2 2.7 1.5 87	7.5 3.0 .9 104	8.5 3.0 1.6 111	10.6 3.3 2.9 101	11.0 3.0 2.9 93	10.6 3.0 2.9 78	10.6 2.5 2.6 74	10.2 2.3 2.6 64	10.7 2.5 3.0 66	12.5 2.4 3.0 63	10 11 12 13
5.2	5.9	5.4	5.4	6.3	6.9	6.4	6.1	4.9	5.0	5.1	5.2	5.2	6.1	14
26	.34	.40	.50	.60	.70	.74	.82	.86	.90	.94	.98	1.03	1.08	15
4,760	4,530	4,660	3,940	4,210	4,740	4,540	4,260	3,980	5,040	4,820	5,340	3,900	4,080	16
2,990 1,770	2,960 1,570	2,940 1,720	2,770 1,170	2,770 1,440	3,040 1,700	2,970 1,570	2,840 1,420	2,800 1,180	2,790 2,250	2,720 2,100	2,620 2,720	2,520 1,380	2,560 1,520	16 17 18
9,150 7,580 630 650 290	8,570 7,050 680 610 230	8,820 7,240 730 590 260	8,770 7,050 880 600 330	10,120 7,750 1,070 750 420	10,220 7,750 1,160 890 520	11,360 8,790 1,190 960 550	11,580 8,920 1,210 900 550	13,680 12,320 1,270 1,070 730	15,520 14,220 1,580 1,250 550	18,070 14,070 1,870 1,300 500	19,660 15,540 2,150 1,340 400	23,640 18,440 2,380 2,000 570	19 20 21 22 23	
1,390 772 114 75 57 36 82 254	1,462 708 134 68 63 47 89 362	1,596 1,048 243 188 100 42 73 31 123 340	1,859 1,387 188 100 421 245 66 107 177 169	2,251 1,859 1,387 1,000 421 245 66 107 264 160	3,020 1,859 1,387 1,000 421 245 66 107 264 160	2,810 1,796 431 367 367 54 94 95 250 90	2,875 1,757 431 367 367 182 100 150 250 84	3,782 2,358 567 567 567 272 150 154 292 92	5,622 4,078 613 613 613 295 154 154 251 92	5,186 3,874 316 316 316 371 171 171 249 83	5,812 4,615 316 316 316 259 168 168 226 81	5,154 3,632 308 308 308 561 127 127 134 115	5,266 3,701 308 308 308 561 134 134 182 130	24 25 26 27 28 29 30 31
851	825	946	1,053	1,232	1,399	1,623	1,618	1,869	2,711	2,914	3,736	2,833	3,471	32
32 29 - 28 87 333 25 61 178 63 15	37 39 - 36 81 323 24 66 183 63 14	37 30 - 34 67 407 22 62 199 64 15	65 25 - 47 88 499 30 59 327 65 16	85 32 - 70 100 481 39 55 481 66 20	114 35 - 106 94 419 40 56 525 66 21	150 42 431 92 100 527 40 67 525 68 23	145 42 431 182 100 527 52 67 491 76 24	205 40 431 272 189 633 52 101 491 68 27	200 39 43 28 189 739 887 101 110 982 82 30	195 39 63 43 171 887 1,137 113 132 982 76 32	184 41 99 168 168 979 1,149 144 139 1,366 98 101	186 39 240 227 227 187 263 148 147 688 99 33	202 34 35 36 37 38 39 40 41 42 43	
539	637	650	806	1,019	1,621	1,187	1,257	1,913	2,911	2,272	2,076	2,321	1,795	44
-237	233	232	275	344	463	440	484	507	604	628	593	532	596	45
-2 85	-9 56	2 113	60 134	-65 51	-26 -72	54 -3	-57 -9	-158 70	-76 37	-120 74	65 206	278 47	-101 61	46 47
859	917	997	1,275	1,349	1,986	1,678	1,675	2,332	3,476	2,854	2,940	3,178	2,351	48
462	420	423	413	481	493	539	562	673	765	909	907	1,016	1,241	49
397 405 .13	497 512 .17	574 592 .20	862 821 .31	868 723 .31	1,493 1,114 .49	1,139 808 .38	1,113 757 .39	1,659 1,018 .59	2,711 1,419 .97	1,945 963 .72	2,033 1,037 .78	2,162 1,092 .86	1,110 514 .43	50 51 52
27 28 77 100 81 99 34 41 54 29 44	28 30 71 91 80 93 36 43 61 31 45	30 32 79 102 86 99 35 40 66 31 45	36 41 59 74 80 84 51 67 76 59 68	41 44 66 83 85 94 59 71 80 70 68	57 54 80 86 86 91 61 82 72 73	54 54 76 80 86 88 70 89 65 74	54 54 72 80 86 88 74 89 93 84	68 75 65 66 66 81 89 106 93 97	101 113 93 96 94 98 95 98 90 99	93 92 90 90 95 94 104 106 114 100	106 95 117 114 111 108 104 95 113 102	98 103 85 91 101 93 107 113 114 102	96 76 82 75 101 83 138 142 117 114	53 54 55 56 57 58 59 60 61 62
27 28 77 100 81 99 34 41 54 29 44	28 30 71 91 80 93 36 43 61 31 45	30 32 79 102 86 99 35 40 66 31 45	36 41 59 74 80 84 51 67 76 59 68	41 44 66 83 85 94 59 71 80 70 68	57 54 80 86 86 91 61 82 72 73	54 54 72 80 86 88 74 89 65 74	54 54 72 80 86 88 74 89 93 84	68 75 65 66 66 81 89 106 93 97	101 113 93 96 94 98 95 98 90 99	93 92 90 90 95 94 104 106 114 100	98 103 85 91 101 93 107 113 114 102	96 76 82 75 101 83 138 142 117 114	53 54 55 56 57 58 59 60 61 62	

TABLE 16.--Cotton farms (nonirrigated), high Plains, Texas:

	ITEM	UNIT	1937	1938	1939	1940	1941
1	Land in farm.....	Acres	248	253	258	263	269
2	Cropland harvested.....	do.	202	176	183	204	196
3	Crops harvested:						
4	Cotton.....	do.	112.5	76.5	76.6	83.7	78.0
5	Grain sorghum.....	do.	54.0	54.0	58.0	65.0	65.0
	Forage.....	do.	35.0	46.0	48.0	55.0	53.0
6	Crop yields per harvested acre:						
7	Cotton.....	Pounds	274	158	173	166	227
8	Grain sorghum.....	Bushels	21.0	14.7	14.8	15.4	25.5
	Forage.....	Tons	1.6	1.3	1.3	1.1	1.5
9	Livestock on farm, January 1:						
10	All cattle.....	Number	10.0	8.3	8.3	10.0	10.0
11	Milk cows.....	do.	4.0	3.5	3.5	4.0	3.9
12	Beef cows.....	do.	1.0	.8	.8	1.0	1.1
	Chickens.....	do.	114	108	114	118	114
13	Pigs raised.....	do.	4.2	4.6	6.1	4.7	5.7
14	Tractors on farm.....	do.	.53	.67	.79	.86	.98
15	Total labor used.....	Hours	5,700	3,700	3,840	4,030	4,280
16	Operator and family.....	do.	2,270	2,260	2,260	2,330	2,250
17	Hired.....	do.	3,430	1,440	1,580	1,700	2,030
18	Total farm capital, January 1.....	Dollars	11,420	11,960	11,970	12,540	12,610
19	Land and buildings.....	do.	9,030	9,510	9,490	9,940	9,890
20	Machinery and equipment.....	do.	1,120	1,400	1,530	1,540	1,750
21	Livestock.....	do.	670	610	590	640	590
22	Crops for sale, feed and seed.....	do.	600	440	360	420	380
23	Total cash receipts.....	do.	3,877	2,146	2,645	2,879	4,700
24	Cotton, lint and seed.....	do.	2,600	1,095	1,276	1,386	2,951
25	Other crops.....	do.	409	229	408	460	676
26	Cattle.....	do.	132	72	36	103	145
27	Dairy products.....	do.	97	66	61	95	117
28	Hogs.....	do.	47	21	51	32	63
29	Poultry and eggs.....	do.	192	171	159	155	209
30	Other, including Government payments.....	do.	400	492	654	648	619
31	Total cash expenditures.....	do.	2,588	1,582	1,550	1,831	2,255
32	Feed purchased.....	do.	63	49	51	62	132
33	Livestock expense.....	do.	38	31	32	37	39
34	Poison.....	do.	-	-	-	-	-
35	Other crop expense.....	do.	44	28	30	36	34
36	Ginning.....	do.	435	160	178	182	283
37	Machinery.....	do.	954	843	751	913	897
38	Machine work hired.....	do.	78	49	53	66	103
39	Farm buildings and fences.....	do.	42	44	52	65	65
40	Labor hired.....	do.	840	281	301	364	593
41	Taxes.....	do.	75	79	84	87	89
42	Other.....	do.	19	18	18	19	20
43	Net cash farm income.....	do.	1,289	564	1,095	1,048	2,525
44	Value of perquisites.....	do.	253	221	217	212	258
45	Change in inventory:						
46	Crops and livestock.....	do.	-39	-2	46	-99	66
	Machinery and buildings.....	do.	223	157	50	185	108
47	Net farm income.....	do.	1,726	940	1,408	1,346	2,957
48	Charge for capital.....	do.	615	613	595	609	599
49	Return to operator and family labor.....	do.	1,111	327	813	737	2,358
50	Purchasing power in 1937-41 dollars.....	do.	1,080	334	838	760	2,246
51	Return per hour in current dollars.....	do.	.49	.14	.36	.32	1.05
52	Index numbers (1947-49 = 100):						
53	Gross farm income.....	Percent	34	20	24	25	43
54	Net farm income.....	do.	27	15	22	21	46
55	Net farm production.....	do.	112	56	61	63	85
56	Crop yields per acre.....	do.	141	85	91	89	126
57	Production per hour of man labor.....	do.	93	71	76	74	94
58	Production per unit of input.....	do.	113	81	84	82	102
59	Operating expense per unit of production.....	do.	38	45	44	46	45
60	Total cost per unit of production.....	do.	35	50	46	47	44
61	Power and machinery, January 1.....	do.	61	73	81	83	92
62	Prices received for products sold.....	do.	28	28	31	32	45
	Prices paid, incl. wages to hired labor.....	do.	44	47	45	47	51

¹Data not available prior to 1937.

1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
274 212	280 222	285 233	289 193	296 191	302 230	309 229	315 238	322 218	328 232	1 2
83.0 84.0 45.0	88.1 116.0 18.0	89.7 121.4 21.7	44.6 126.0 22.0	55.0 117.0 18.8	129.7 89.5 11.2	129.5 87.5 11.6	159.0 69.0 9.7	96.2 111.8 9.7	162.0 61.2 9.0	3 4 5
240 23.0 1.7	210 20.0 1.4	246 22.0 1.5	110 11.0 1.2	90 14.8 1.4	220 16.0 1.2	90 12.5 1.4	264 18.5 1.5	174 17.0 1.4	148 16.5 1.1	6 7 8
10.0 3.8 1.2 125	10.0 3.7 1.3 158	10.0 3.6 1.4 170	10.0 3.5 1.5 155	9.0 3.2 1.5 123	7.5 2.9 1.6 104	8.0 2.6 1.7 89	7.0 2.3 1.8 73	7.6 2.0 1.9 66	8.0 2.0 1.9 62	9 10 11 12
7.3	8.0	6.5	6.9	5.1	6.6	4.4	3.7	3.7	5.8	13
1.06	1.10	1.13	1.16	1.20	1.24	1.28	1.34	1.40	1.54	14
4,490 2,200 2,290	4,360 2,190 2,170	4,650 2,180 2,470	2,820 2,210 610	2,760 2,120 640	4,720 1,900 2,820	3,290 2,190 1,100	5,730 1,920 3,810	3,320 1,980 1,340	3,990 1,930 2,060	15 16 17
13,280 10,140 1,920 720 500	15,930 12,320 1,990 950 670	18,000 14,250 2,040 860 850	20,020 16,480 1,990 800 750	21,600 17,970 2,150 800 680	23,720 19,630 2,560 820 710	30,900 25,960 3,030 1,000 910	32,000 26,780 3,660 960 600	31,530 26,080 4,060 970 420	38,780 31,650 5,160 1,340 630	18 19 20 21 22
5,875 3,930 856 196 122 101 316 354	7,469 3,895 2,190 198 146 211 481 348	7,990 5,022 1,870 165 132 120 474 207	3,942 1,102 1,503 224 133 148 662 170	4,684 1,650 1,923 271 139 152 405 144	13,458 10,144 2,184 192 141 252 421 124	6,527 4,096 1,115 368 135 396 334 83	14,226 12,348 1,068 209 103 114 313 71	9,639 7,222 1,614 295 77 83 209 139	12,595 10,410 1,038 516 92 168 264 107	23 24 25 26 27 28 29 30
2,749 175 53 - 48 344 891 130 60 929 95 24	3,067 225 62 - 61 318 863 179 55 1,184 103 28	3,705 292 62 - 91 419 931 216 75 1,506 101 30	2,159 278 63 - 73 87 954 181 242 79 313 101 28	2,596 353 55 2 87 111 1,082 242 293 83 439 119 27	5,537 355 53 6 113 739 1,343 293 1,791 240 154 807 126 34	3,990 317 48 11 118 329 1,791 293 2,241 335 83 3,141 170 35	7,629 273 51 48 103 1,146 2,241 240 335 83 1,027 175 38	5,304 242 45 276 81 484 2,508 278 760 119 1,597 194 35	6,866 283 53 492 34 35 760 37 38 119 40 42	31 32 33 34 35 36 37 38 39 40 41 42
3,126	4,402	4,285	1,783	2,088	7,921	2,537	6,597	4,335	5,729	43
314	403	399	416	477	575	590	617	594	674	44
123 32	-264 -96	-137 -92	-310 53	-167 88	-49 31	-262 353	-25 347	151 752	-176 782	45 46
3,595	4,445	4,455	1,942	2,486	8,478	3,218	7,536	5,832	7,009	47
637	762	845	951	1,049	1,152	1,514	1,558	1,598	2,002	48
2,958 2,465 1.34	3,683 2,749 1.68	3,610 2,560 1.66	991 674 .45	1,437 882 .68	7,326 3,836 3.86	1,704 844 .78	5,978 3,050 3.11	4,234 2,138 2.14	5,007 2,318 2.59	49 50 51
53 56 95 129 100 107 50 48 97 53 59	64 69 89 113 97 101 62 61 98 68 68	69 69 104 130 107 111 64 63 94 75 74	34 30 42 61 71 67 83 108 90 75	42 39 44 57 74 68 97 118 92 85	117 132 105 112 104 106 93 85 96 90	58 50 55 54 80 74 114 132 97 97	125 118 140 134 80 116 93 83 107 101	87 91 76 94 116 120 105 110 117 112	110 109 85 82 101 90 126 125 137 128	52 53 54 55 56 57 58 59 60 61 62

TABLE 17.--Cotton farms (irrigated), High Plains, Texas:
Organization, production, costs and returns, 1944-51¹

	ITEM	UNIT	1944	1945	1946	1947	1948	1949	1950	1951
1	Land in farm.....	Acres	244	251	257	264	271	278	285	292
2	Cropland harvested.....	do.	227	193	193	228	234	248	236	248
3	Crops harvested:									
4	Cotton.....	do.	85.0	36.6	56.7	139.0	144.0	183.0	115.0	188.0
5	Grain sorghum.....	do.	118.0	127.6	116.5	77.0	79.3	56.5	112.5	54.0
6	Forage.....	do.	24.0	28.8	19.8	12.0	10.7	8.3	8.7	6.5
7	Crop yields per harvested acre:									
8	Cotton.....	Pounds	385	328	364	366	276	373	321	287
9	Grain sorghum.....	P bushels	24.7	14.2	19.7	20.4	16.3	23.9	21.0	21.5
10	Forage.....	Tons	1.8	1.4	1.7	1.5	1.8	1.9	1.9	1.4
11	Livestock on farm, January 1:									
12	All cattle.....	Number	11.0	11.0	9.7	8.1	8.0	6.7	7.1	8.3
13	Milk cows.....	do.	4.4	4.3	3.9	3.5	3.2	2.8	2.5	2.5
14	Chickens.....	do.	182	166	130	108	93	74	65	62
15	Pigs raised.....	do.	22.5	26.8	15.9	23.7	17.1	13.5	10.9	15.4
16	Tractors on farm.....	do.	1.31	1.34	1.39	1.45	1.54	1.65	1.75	1.85
17	Total labor used:	Hours								
18	Operator and family.....	do.	6,200	4,240	4,730	7,090	6,130	7,560	5,650	6,420
19	Hired.....	do.	2,350	2,240	2,170	2,290	2,290	2,180	2,330	2,100
20		do.	3,850	2,000	2,560	4,800	3,840	5,380	3,320	4,320
21	Total farm capital, January 1:	Dollars								
22	Land and buildings.....	do.	24,120	28,100	32,080	36,490	49,820	55,540	57,110	69,970
23	Machinery and equipment.....	do.	18,300	22,600	25,800	29,170	40,680	46,060	47,310	57,820
24	Livestock.....	do.	3,870	3,630	4,390	5,320	6,550	7,500	8,150	9,690
25	Cattle.....	do.	1,030	1,020	1,020	1,020	1,270	1,090	1,050	1,540
26	Dairy products.....	do.	920	770	870	980	1,320	890	600	920
27	Hogs.....	do.								
28	Poultry and eggs.....	do.								
29	Other, including Government payments.....	do.								
30	Total cash receipts.....	do.	10,934	6,396	11,303	22,179	16,500	22,345	18,954	26,142
31	Feed purchased.....	do.	7,454	2,767	7,212	18,120	13,339	20,079	16,059	23,542
32	Livestock expense.....	do.	325	312	394	396	348	290	251	303
33	Poison.....	do.	70	72	60	57	50	50	45	55
34	Irrigation expense.....	do.	0	0	2	10	17	73	439	737
35	Other crop expense.....	do.	620	1,083	1,350	1,367	1,941	1,076	1,772	2,118
36	Ginning.....	do.	131	109	128	183	196	178	142	216
37	Machinery purchased.....	do.	622	227	464	1,317	1,121	1,864	1,067	1,710
38	Other machinery expense.....	do.	268	394	548	795	1,251	1,553	1,658	2,293
39	Farm buildings and fences.....	do.	899	898	875	1,167	1,297	1,532	1,505	1,711
40	Labor hired.....	do.	78	94	107	150	222	199	241	275
41	Taxes.....	do.	2,537	1,131	2,023	4,472	3,206	4,909	2,695	3,691
42	Other.....	do.	123	123	145	156	173	212	218	242
43	Net cash farm income.....	do.	34	34	34	38	42	46	44	50
44	Value of perquisites.....	do.	5,227	2,009	5,173	12,071	6,636	10,363	8,887	12,739
45	Change in inventory:									
46	Crops and livestock.....	do.	-79	-277	-167	-103	-339	-99	338	-338
	Machinery and buildings.....	do.	-228	13	167	334	538	490	852	1,199
47	Net farm income.....	do.	5,413	2,274	5,791	13,054	7,657	11,572	10,880	14,513
48	Charge for capital.....	do.	1,153	1,345	1,575	1,766	2,430	2,719	2,797	3,535
49	Return to operator and family labor.....	do.	4,260	929	4,216	11,288	5,227	8,853	8,083	10,978
50	Purchasing power in 1937-41 dollars.....	do.	3,021	632	2,587	5,910	2,588	4,517	4,082	5,082
51	Return per hour in current dollars.....	do.	1.81	.41	1.94	4.93	2.28	4.06	3.47	5.23
52	Index numbers (1947-49 = 100):	Percent	54	32	56	109	81	110	96	127
53	Gross farm income.....	do.	50	21	54	121	71	108	101	135
54	Net farm production.....	do.	81	41	56	98	79	123	80	96
55	Crop yields per acre.....	do.	115	94	106	107	82	111	96	87
56	Production per hour of man labor.....	do.	91	67	83	97	89	114	99	107
57	Production per unit of input.....	do.	99	64	77	100	86	114	86	92
58	Operating expense per unit of production.....	do.	70	99	101	96	114	90	112	120
59	Total cost per unit of production.....	do.	72	114	108	93	118	89	119	124
60	Power and machinery, January 1.....	do.	85	79	87	92	100	108	115	127
61	Prices received for products sold.....	do.	65	73	98	110	102	88	120	130
62	Prices paid, incl. wages to hired labor.	do.	75	75	85	96	102	102	101	109

¹Data not available prior to 1944.

TABLE 18.--Cotton farms (small), Delta: Organization,
production, costs and returns, 1944-51¹

	ITEM	UNIT	1944	1945	1946	1947	1948	1949	1950	1951
1	Land in farm.....	Acres	50	50	51	52	53	54	54	55
2	Cropland harvested.....	do.	30	30	31	32	32	32	30	31
3	Crops harvested:									
4	Cotton.....	do.	14	14	16	18	19	20	15	17
5	Corn.....	do.	11	10	9	9	8	8	10	8
6	Soybeans.....	do.	2	2	3	2	2	1	2	3
7	Hay.....	do.	3	4	3	3	3	3	3	3
8	Crop yields per harvested acre:									
9	Cotton.....	Pounds	382	323	300	320	424	316	328	308
10	Corn.....	Bushels	16.2	21.5	18.5	17.0	25.0	19.7	24.5	23.0
11	Soybeans.....	do.	13.3	13.6	14.9	10.3	17.1	18.0	20.6	17.2
12	Hay.....	Tons	1.0	.9	1.1	.9	1.1	1.1	1.2	1.0
13	Livestock on farm, January 1:									
14	All cattle.....	Number	2.7	2.7	2.5	2.5	2.6	2.6	2.5	2.8
15	Milk cows.....	do.	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3
16	Chickens.....	do.	41	39	38	36	36	36	39	37
17	Mules.....	do.	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.8
18	Pigs raised.....	do.	6.0	6.1	6.0	6.2	6.3	6.4	6.6	6.6
19	Tractors on farm.....	do.	.10	.14	.19	.24	.28	.33	.40	.48
20	Total labor used.....	Hours	3,270	3,200	3,320	3,570	3,780	3,890	3,070	3,510
21	Operator and family.....	do.	2,710	2,700	2,690	2,700	2,710	2,830	2,560	2,710
22	Hired.....	do.	560	500	630	870	1,070	1,060	510	800
23	Total farm capital, January 1.....	Dollars	3,790	4,130	4,580	5,550	6,340	6,710	7,100	8,640
24	Land and buildings.....	do.	2,670	2,990	3,350	4,040	4,580	4,750	5,060	6,100
25	Machinery and equipment.....	do.	380	430	500	670	860	1,140	1,360	1,710
26	Livestock.....	do.	490	460	470	530	540	550	470	550
27	Crops for sale, feed and seed.....	do.	250	250	260	310	360	270	210	280
28	Total cash receipts.....	do.	1,672	1,527	2,263	2,557	3,285	2,491	2,689	2,765
29	Cotton, lint and seed.....	do.	1,430	1,228	1,909	2,188	2,684	2,138	2,239	2,262
30	Other crops.....	do.	57	87	125	76	75	51	158	153
31	Cattle and hogs.....	do.	90	129	143	207	238	218	202	249
32	Dairy products.....	do.	0	0	0	0	0	0	0	0
33	Poultry and eggs.....	do.	47	54	64	67	73	74	72	80
34	Other, including Government payments.....	do.	48	29	22	19	15	10	18	21
35	Total cash expenditures.....	do.	796	771	974	1,205	1,653	1,599	1,564	1,907
36	Feed purchased.....	do.	87	63	92	115	104	92	90	101
37	Livestock expense.....	do.	42	46	38	40	41	36	31	28
38	Fertilizer and lime.....	do.	41	49	51	58	72	102	105	143
39	Poison.....	do.	4	4	5	8	9	16	48	68
40	Other crop expense.....	do.	67	70	74	82	83	85	75	111
41	Ginning.....	do.	76	65	84	109	166	142	121	140
42	Machinery.....	do.	160	184	248	284	450	544	669	742
43	Machine work hired.....	do.	32	39	42	31	37	35	52	61
44	Farm buildings and fences.....	do.	33	36	45	53	55	54	56	61
45	Land and buildings hired.....	do.	196	155	236	363	567	419	244	373
46	Labor hired.....	do.	26	27	26	27	31	35	34	37
47	Taxes.....	do.	32	33	33	35	38	39	39	42
48	Other.....	do.								
49	Net farm income.....	do.	876	756	1,289	1,352	1,632	892	1,125	858
50	Value of perquisites.....	do.	372	429	431	505	547	479	449	540
51	Change in inventory:									
52	Crops and livestock.....	do.	-11	7	-35	-52	33	-35	58	7
53	Machinery and buildings.....	do.	42	48	84	72	165	181	244	214
54	Net farm income.....	do.	1,279	1,240	1,769	1,877	2,377	1,517	1,876	1,619
55	Charge for capital.....	do.	195	211	236	290	334	356	377	477
56	Return to operator and family labor.....	do.	1,084	1,029	1,533	1,587	2,043	1,161	1,499	1,142
57	Purchasing power in 1937-41 dollars.....	do.	769	700	940	831	1,011	592	757	529
58	Return per hour in current dollars.....	do.	.40	.38	.57	.59	.75	.41	.59	.42
59	Index numbers (1947-49 = 100):	Percent								
60	Gross farm income.....	Percent	62	60	81	92	118	90	98	101
61	Net farm income.....	do.	66	64	92	98	124	79	98	84
62	Net farm production.....	do.	84	77	77	86	117	97	85	88
63	Crop yields per acre.....	do.	103	93	87	89	120	92	99	92
64	Production per hour of man labor.....	do.	96	90	86	90	117	93	104	94
65	Production per unit of input.....	do.	101	95	90	94	113	93	89	81
66	Operating expense per unit of production.....	do.	66	69	85	97	95	108	114	142
67	Total cost per unit of production.....	do.	73	81	97	102	90	108	113	143
68	Power and machinery, January 1.....	do.	59	66	75	87	97	116	136	160
69	Prices received for products sold.....	do.	71	75	108	107	101	92	120	115
70	Prices paid, incl. wages to hired labor.....	do.	76	77	85	95	104	101	104	112

¹Data not available prior to 1944.

TABLE 19.--Cotton farms, (large-scale), Delta: Organization, production, costs and returns, 1944-51¹

	ITEM	UNIT	1944	1945	1946	1947	1948	1949	1950	1951
1	Land in farm.....	Acres	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2	Cropland harvested.....	do.	620	621	590	615	627	619	612	609
3	Crops harvested:									
4	Cotton.....	do.	282	277	278	322	368	388	274	342
5	Corn.....	do.	141	138	129	106	104	92	137	86
6	Oats.....	do.	92	97	72	75	51	36	37	25
7	Soybeans.....	do.	20	22	34	36	36	40	101	95
	Hay.....	do.	85	87	77	76	68	63	63	61
8	Crop yields per harvested acre:									
9	Cotton.....	Pounds	460	402	354	393	508	359	428	351
10	Corn.....	Bushels	18.8	23.8	19.5	17.6	30.5	21.8	30.5	26.5
11	Oats.....	do.	34.4	30.3	30.3	33.4	31.3	29.8	30.5	32.5
12	Soybeans.....	do.	15.5	15.2	16.8	12.6	19.9	20.0	24.6	17.7
	Hay.....	Tons	1.4	1.3	1.6	1.3	1.6	1.6	1.4	1.4
13	Livestock on farm, January 1:									
14	All cattle.....	Number	71.6	72.1	67.3	63.4	60.2	58.0	62.0	68.1
15	Milk cows.....	do.	10.5	10.2	9.8	9.5	9.2	8.8	8.0	6.8
16	Chickens.....	do.	382	348	301	272	280	255	260	236
	Mules.....	do.	27.0	25.7	22.3	21.5	18.5	16.3	14.2	11.7
17	Pigs raised.....	do.	86.2	74.3	72.7	74.3	73.6	72.2	74.1	71.8
18	Tractors on farm.....	do.	2.65	2.90	3.23	3.65	4.00	4.55	5.00	5.36
19	Total labor used.....	Hours	53,990	52,310	49,200	55,080	62,300	60,700	45,500	51,810
20	Operator and family.....	do.	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
21	Hired.....	do.	20,270	21,610	20,380	25,430	31,930	32,620	24,430	27,530
22	Cropper.....	do.	30,520	27,500	25,620	26,450	27,170	24,880	17,870	21,080
23	Total farm capital, January 1.....	Dollars	79,420	88,530	92,510	106,510	117,750	106,650	120,440	141,800
24	Land and buildings.....	do.	59,600	69,000	73,100	83,500	91,300	78,900	93,000	109,000
25	Machinery and equipment.....	do.	8,170	8,570	9,310	11,040	13,390	16,610	17,680	20,430
26	Livestock.....	do.	7,130	6,600	6,300	7,250	7,520	7,630	6,840	8,780
27	Crops for sale, feed and seed.....	do.	4,520	4,360	3,800	4,720	5,540	3,510	2,920	3,590
28	Total cash receipts.....	do.	40,956	39,154	48,643	57,758	78,893	54,314	68,157	61,644
29	Cotton, lint and seed.....	do.	34,225	31,067	40,564	50,021	68,952	46,671	54,230	51,137
30	Other crops.....	do.	3,658	4,811	4,631	3,633	4,938	3,934	9,829	5,945
31	Cattle and hogs.....	do.	1,962	2,459	2,810	3,491	4,371	3,218	3,437	3,980
32	Dairy products.....	do.	16	36	16	50	54	44	39	8
33	Poultry and eggs.....	do.	103	181	172	191	287	247	273	182
34	Other, including Government payments.....	do.	992	600	450	372	291	200	349	392
35	Total cash expenditures.....	do.	29,597	28,912	33,957	39,586	51,557	42,813	44,115	48,981
36	Feed purchased.....	do.	793	757	918	1,001	1,082	899	923	1,024
37	Livestock expense.....	do.	410	281	267	253	257	256	252	265
38	Fertilizer and lime.....	do.	1,717	1,965	2,060	2,319	2,858	3,343	3,003	3,553
39	Poison.....	do.	203	208	278	375	546	882	2,723	3,250
40	Other crop expense.....	do.	1,574	1,527	1,518	1,734	1,764	1,776	1,713	2,168
41	Ginning.....	do.	1,816	1,603	1,771	2,442	3,926	3,064	2,920	3,157
42	Machinery.....	do.	4,140	4,671	5,236	6,090	8,377	8,258	9,200	10,789
43	Machine work hired.....	do.	212	234	236	258	286	338	646	812
44	Farm buildings and fences.....	do.	650	740	875	1,078	1,110	1,092	1,110	1,238
45	Labor, hired and cropper.....	do.	17,111	15,935	19,826	23,047	30,238	21,734	20,496	21,523
46	Taxes.....	do.	790	808	787	790	901	950	908	965
47	Other.....	do.	181	183	185	199	212	221	221	237
48	Net cash farm income.....	do.	11,359	10,242	14,686	18,172	27,336	11,501	24,042	12,663
49	Perquisites for cropper and hired labor.	do.	2,046	2,219	2,415	2,630	2,809	2,236	1,798	2,057
50	Total value of perquisites.....	do.	2,694	2,967	3,144	3,543	3,714	3,066	2,625	3,002
51	Change in inventory:									
52	Crops and livestock.....	do.	-484	-1,067	-425	-650	-536	-43	374	611
	Machinery and buildings.....	do.	-2	350	544	633	1,558	777	1,447	2,075
53	Net farm income.....	do.	11,521	10,273	15,534	19,068	29,263	13,065	26,690	16,294
54	Charge for capital.....	do.	3,950	4,415	4,712	5,434	6,037	5,595	6,144	7,462
55	Return to operator and family labor.....	do.	7,571	5,858	10,822	13,634	23,226	7,470	20,546	8,832
56	Purchasing power in 1937-41 dollars.....	do.	5,370	3,985	6,639	7,138	11,498	3,811	10,377	4,089
57	Return per hour in current dollars.....	do.	2.37	1.83	3.38	4.26	7.26	2.33	6.42	2.76
58	Index numbers (1947-49 = 100):									
59	Gross farm income.....	Percent	65	62	77	91	123	86	107	98
60	Net farm income.....	do.	56	50	76	93	143	64	130	80
61	Net farm production.....	do.	87	79	70	83	123	94	90	83
62	Crop yields per acre.....	do.	105	95	86	91	120	89	106	88
63	Production per hour of man labor.....	do.	96	89	84	91	117	92	117	95
64	Production per unit of input.....	do.	94	91	86	91	113	96	100	88
65	Operating expense per unit of production.....	do.	76	82	108	106	93	101	105	125
66	Total cost per unit of production.....	do.	77	84	110	106	92	102	107	127
67	Power and machinery, January 1.....	do.	84	86	91	93	98	109	115	124
68	Prices received for products sold.....	do.	72	76	109	108	101	91	118	116
	Prices paid, incl. wages to hired labor ²	do.	74	76	95	99	103	98	109	112

¹Data not available prior to 1944. ²Includes cropper labor.

TABLE 20.--Wheat-small grain-livestock farms, northern Great Plains:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	501	493	486	478	470	464	467	477
2	Cropland harvested.....	do.	315	245	308	295	156	281	172	267
3	Fallow and idle.....	do.	48	48	34	35	98	78	83	110
4	Failure.....	do.	12	61	12	21	131	55	171	42
5	Pasture and other land.....	do.	126	139	132	127	85	50	41	58
6	Crops harvested:	do.	151.8	95.6	160.6	154.2	64.7	122.5	80.9	139.9
7	Wheat.....	do.	95.0	58.5	80.6	65.4	20.4	87.6	26.9	67.7
8	Other small grains.....	do.	25.0	17.5	10.8	5.9	3.3	15.5	3.4	5.4
9	Flaxseed.....	do.	33.4	61.7	40.0	51.8	49.3	39.8	50.4	43.2
10	Crop yields per harvested acre:	Bushels	11.2	6.6	8.8	7.1	5.1	6.4	5.0	6.8
11	Wheat.....	do.	4.5	3.5	4.5	3.2	1.9	5.9	2.7	3.2
12	Flaxseed.....	Tons	.9	.7	.9	.7	.4	1.1	.7	.9
13	Livestock on farm, January 1:	Number	14.5	15.8	17.5	19.5	20.9	14.3	14.6	15.0
14	All cattle.....	do.	6.9	7.3	8.1	8.5	8.9	7.8	7.7	7.0
15	Milk cows.....	do.	.9	1.1	1.3	1.6	2.0	1.2	1.1	1.0
16	Beef cows.....	do.	.76	.73	.69	.66	.64	.49	.53	.50
17	Chickens.....	do.	8.3	8.1	7.6	6.9	6.7	6.6	6.6	6.1
18	Horses and mules.....	do.								
19	Pigs raised.....	do.	10.4	10.1	10.4	9.5	7.2	6.3	5.7	3.3
20	Tractors on farm.....	do.	.53	.56	.58	.58	.57	.59	.62	.67
21	Total labor used.....	Hours	4,040	3,890	4,200	4,140	3,800	3,890	3,420	3,540
22	Operator and family.....	do.	2,700	2,650	3,050	3,050	2,810	2,880	2,530	2,610
	Hired.....	do.	1,340	1,240	1,150	1,090	990	1,010	890	930
23	Total farm capital, January 1.....	Dollars	18,060	15,640	13,060	11,580	11,500	11,280	11,990	12,160
24	Land and buildings.....	do.	13,730	12,150	10,290	9,150	8,930	8,820	8,870	9,060
25	Machinery and equipment.....	do.	1,680	1,680	1,510	1,350	1,280	1,270	1,300	1,440
26	Livestock.....	do.	1,370	1,070	790	690	700	650	1,100	980
27	Crops for sale, feed and seed.....	do.	1,280	740	470	390	590	540	720	680
28	Total cash receipts.....	do.	1,938	870	650	1,045	1,076	1,057	979	1,449
29	Wheat.....	do.	1,037	339	268	649	295	325	289	671
30	Other crops.....	do.	310	119	80	94	17	159	103	98
31	Livestock.....	do.	278	172	134	147	265	188	202	179
32	Butterfat.....	do.	245	190	134	126	124	167	203	213
33	Poultry and eggs.....	do.	68	50	34	29	37	48	46	43
34	Other, including Government payments.....	do.	---	---	---	---	338	170	136	245
35	Total cash expenditures.....	do.	1,776	1,095	1,077	866	887	1,439	1,042	1,547
36	Feed purchased.....	do.	73	41	87	24	99	310	14	190
37	Livestock expense.....	do.	24	19	21	17	15	19	27	22
38	Crop expense.....	do.	124	55	72	29	15	75	32	70
39	Machinery.....	do.	863	496	519	450	412	654	612	844
40	Farm buildings and fences.....	do.	48	19	9	18	20	27	26	42
41	Labor hired.....	do.	378	241	176	156	158	196	178	218
42	Taxes.....	do.	259	218	187	167	163	154	149	156
43	Other.....	do.	7	6	6	5	5	4	4	5
44	Net cash farm income.....	do.	162	-225	-427	179	189	-382	-63	-98
45	Value of perquisites.....	do.	296	269	225	221	225	276	275	291
46	Change in inventory:									
47	Crops and livestock.....	do.	45	-127	113	-215	-770	453	-791	131
	Machinery and buildings.....	do.	-32	-166	-192	-153	-100	-32	36	109
48	Net farm income.....	do.	471	-249	-281	32	-456	315	-543	433
49	Charge for capital.....	do.	1,170	997	834	724	677	610	604	597
50	Return to operator and family labor.....	do.	-699	-1,246	-1,115	-692	-1,133	-295	-1,147	-164
51	Purchasing power in 1937-41 dollars.....	do.	-603	-1,246	-1,312	-795	-1,156	-295	-1,147	-159
52	Return per hour in current dollars.....	do.	-26	.47	.37	.23	.40	.10	.45	.06
53	Index numbers (1947-49=100):	Percent	21	9	9	10	5	17	4	17
54	Gross farm income.....	do.	7	-4	-4	1	-7	5	-9	7
55	Net farm income.....	do.	65	34	52	40	12	45	13	35
56	Net farm production.....	do.	82	35	65	49	17	55	19	47
57	Crop yields per acre.....	do.	53	29	41	32	10	38	12	33
58	Production per hour of man labor.....	do.	76	45	64	50	20	60	19	50
59	Production per unit of input.....	do.	60	77	49	54	147	65	166	81
60	Operating expense per unit of production.....	do.	68	94	55	64	174	64	192	82
61	Total cost per unit of production.....	do.	54	55	51	47	44	42	42	45
62	Power and machinery, January 1.....	do.	32	24	17	24	25	33	38	42
63	Prices received for products sold.....	do.	50	41	36	34	38	45	44	50

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
489 279 108 21 81	496 248 114 19 115	906 281 92 14 119	516 278 90 6 142	532 293 69 7 139	548 348 64 10 121	565 365 72 9 127	582 388 93 5 117	595 373 75 5 124	608 400 90 3 130	621 403 94 4 124	634 403 94 17 120	647 384 116 2 145	667 429 102 4 132	1 2 3 4 5
146.9 69.4 3.6 47.8	122.0 72.4 4.4 38.0	143.0 76.5 8.7 42.7	144.0 73.0 19.0 43.1	133.0 90.7 30.0 41.0	164.4 102.8 13.3 41.2	194.3 105.3 28.0 43.0	203.6 99.6 46.2 42.5	215.2 92.8 47.4 42.5	217.8 93.3 50.8 47.4	204.7 103.2 32.0 50.8	229.3 65.1 44.0 52.0	184.8 87.9 42.0 54.3	224.0 92.4 44.5 54.4	6 7 8 9
8.4 5.3 .9	11.2 3.8 .8	12.9 6.1 .9	17.2 4.9 1.1	18.5 6.9 1.2	18.1 7.1 1.1	15.2 7.6 1.0	15.9 8.3 1.1	13.2 6.2 1.0	14.0 6.8 1.1	13.5 9.0 1.0	10.6 6.3 1.0	13.7 8.5 1.0	14.6 7.3 1.0	10 11 12
15.4 6.8 1.2 53 5.7	15.3 6.7 1.2 62 5.4	16.1 6.9 1.5 73 5.3	17.5 7.6 1.6 83 5.0	19.5 8.0 2.2 102 4.9	20.7 8.2 2.2 104 4.7	22.5 8.5 2.7 91 4.4	21.6 8.1 3.1 79 4.0	20.0 7.5 3.2 68 3.2	18.9 6.9 3.2 67 2.5	17.9 6.3 3.3 64 2.2	16.9 5.9 3.1 62 2.0	17.0 6.0 3.3 62 1.8	13 14 15 16 17	
4.7	7.9	9.6	10.2	17.1	22.7	14.6	8.5	8.7	6.6	6.7	8.4	8.9	9.6	18
.73	.77	.81	.89	1.03	1.16	1.24	1.37	1.42	1.48	1.56	1.67	1.77	1.87	19
3,450 2,500	3,280 2,290	3,340 2,300	3,380 2,290	3,560 2,460	3,760 2,730	3,720 2,710	3,660 2,740	3,490 2,560	3,380 2,360	3,270 2,250	3,200 2,390	3,150 2,380	3,230 2,550	20 21
9,080 1,630 980 610	8,200 1,720 970 600	7,230 1,670 1,040 890	7,380 1,830 1,110 960	7,710 2,200 1,490 2,130	8,170 2,460 2,110 2,660	10,170 2,570 2,100 4,340	10,920 3,020 1,870 4,160	12,690 3,370 1,870 4,630	14,370 4,180 2,260 4,730	17,560 5,400 2,700 7,920	19,230 6,700 2,860 5,350	18,930 7,220 2,610 4,480	21,200 7,900 3,370 5,890	24 25 26 27
12,300 1,209	11,490 1,590	10,630 2,022	11,280 2,795	13,530 4,261	15,400 6,647	19,180 7,140	19,970 8,162	22,560 9,551	25,540 11,015	33,580 11,526	34,140 8,253	33,240 8,221	38,360 10,128	23 28
469 98 243 193 51 155	652 89 251 193 45 360	1,014 104 290 231 51 332	1,364 261 436 326 107 301	2,115 509 736 391 250 260	3,114 1,489 954 482 302 306	3,739 1,482 915 469 234 197	4,511 1,922 1,019 445 1,870 141	5,191 2,273 1,095 568 1,870 250	5,923 2,828 1,335 615 1,426 89	5,738 3,418 1,426 627 1,094 93	4,494 1,917 1,296 484 1,094 44	4,111 2,077 1,273 498 1,296 74	5,323 2,613 31 582 1,273 84	29 30 31 32 33 34
1,421 56 15 74 851 36 225 159 5	1,419 18 22 44 878 54 231 167 5	1,641 26 32 64 1,328 60 262 165 5	2,044 31 31 65 1,511 70 368 156 7	2,448 46 46 92 1,701 75 532 151 7	2,844 32 53 92 1,000 90 733 178 10	3,181 32 35 99 100 110 170 233 11	3,478 26 49 72 2,224 110 227 197 12	3,695 23 60 72 2,429 170 280 312 14	4,816 43 60 136 3,104 227 3,567 312 20	5,497 47 66 206 3,189 3,370 3,189 448 27	4,999 42 61 187 3,370 4,014 3,370 444 29	5,117 35 63 150 4,370 380 360 444 34	5,888 52 77 207 39 40 666 470 43	35 36 37 38 39 40 41 42 43
-212 264 161 228 580 -352 -359 -.14	171 243 91 530 542 -12 -12 -.01	381 247 259 1,004 512 492 507 .21	751 309 890 2,164 518 1,646 1,568 .72	1,813 371 553 2,904 635 2,269 1,891 .92	3,803 464 390 4,735 740 3,995 2,981 1.46	3,959 427 -310 4,316 893 3,423 2,428 1.26	4,684 466 -49 5,363 921 4,442 3,022 1.62	5,856 507 -1,431 5,382 1,052 4,330 2,656 1.69	6,199 578 956 8,407 1,187 7,220 3,780 3.06	6,029 617 -266 7,150 1,620 5,530 2,738 .72	3,254 560 -838 3,411 1,696 1,715 1,875 .72	3,104 555 1,231 5,325 1,692 3,633 1,835 1.53	4,240 624 1,231 7,135 2,001 5,134 2,377 2.01	44 45 46 48 49 50 51 52
15 4 49 67 47 67 61 61 49 49 28 48	18 8 50 78 50 67 67 61 60 53 28 48	23 16 68 92 89 122 86 87 45 46 31 48	37 34 103 136 103 120 95 108 49 48 38 48	48 46 103 136 103 120 95 109 52 55 38 62	69 75 93 116 108 116 95 123 60 66 62 68	67 68 72 111 124 126 91 99 57 63 66 73	79 85 97 124 126 100 91 99 74 79 66 79	80 85 97 110 109 109 91 109 83 82 84 91	116 113 110 109 109 109 107 108 83 82 84 91	110 113 109 109 109 109 107 108 122 124 112 102	74 54 82 82 84 83 109 108 95 94 113 107	93 84 109 115 113 113 113 109 94 95 122 120	114 113 123 113 113 125 116 116 93 95 61 62	53 54 55 56 57 58 59 58 59 60 61 62

TABLE 21.--Wheat-corn-livestock farms, northern Great Plains:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	405	407	409	411	413	415	415	418
2	Cropland harvested.....	do.	278	250	261	151	83	232	114	219
3	Fallow.....	do.	12	25	28	38	40	44	45	39
4	Failure.....	do.	8	26	14	115	182	29	146	47
5	Crops harvested:									
6	Wheat.....	do.	67.1	54.3	64.7	26.5	2.3	52.2	19.9	57.3
7	Other small grains.....	do.	91.6	75.5	82.2	26.6	4.0	83.0	18.5	56.8
8	Corn.....	do.	58.2	59.6	53.1	53.6	38.1	38.7	23.0	32.1
9	Flaxseed.....	do.	9.3	8.0	4.3	2.5	1.2	7.2	1.4	3.4
10	Hay.....	do.	52.0	52.6	56.5	41.9	37.6	51.2	50.9	69.3
11	Crop yields per harvested acre:									
12	Wheat.....	Bushels	12.3	8.5	11.4	2.9	3.5	7.9	3.0	5.1
13	Corn.....	do.	16.3	11.5	14.3	7.9	3.8	14.2	6.0	15.2
14	Flaxseed.....	do.	6.1	3.3	4.8	2.6	2.2	5.2	2.1	4.4
15	Hay.....	Tons	.7	.7	.8	.5	.3	.9	.5	.9
16	Livestock on farm, January 1:									
17	All cattle.....	Number	20.1	20.4	22.0	24.3	22.7	15.7	17.4	16.0
18	Milk cows.....	do.	8.3	8.4	9.0	9.5	9.6	7.9	7.5	7.0
19	Beef cows.....	do.	1.7	1.8	1.9	2.0	1.8	1.3	1.5	1.3
20	Chickens.....	do.	131	121	107	106	80	60	66	65
21	All sheep.....	do.	11	13	15	15	14	12	14	15
22	Pigs raised.....	do.	48	54	43	44	23	15	26	16
23	Tractors on farm.....	do.	.46	.49	.52	.55	.58	.62	.65	.68
24	Total Labor used:									
25	Operator and family.....	Hours	4,720	4,510	4,530	4,090	3,430	3,740	3,190	3,450
26	Hired.....	do.	3,770	3,710	3,850	3,490	2,980	3,240	2,870	3,040
27		do.	950	800	680	600	450	500	320	410
28	Total farm capital, January 1:	Dollars	17,790	15,750	13,120	11,780	11,930	11,740	12,950	12,410
29	Land and buildings.....	do.	13,420	12,070	10,410	9,460	9,800	9,700	9,840	9,770
30	Machinery and equipment.....	do.	1,180	1,200	1,130	1,050	1,030	1,040	1,040	1,100
31	Livestock.....	do.	2,120	1,620	1,010	890	840	780	1,430	1,210
32	Crops for sale, feed and seed.....	do.	1,070	860	570	380	260	220	640	330
33	Total cash receipts:	do.	2,423	1,446	896	839	949	1,159	1,256	1,423
34	Wheat.....	do.	426	197	147	143	---	178	81	161
35	Flaxseed.....	do.	76	33	17	6	---	37	13	22
36	Other crops.....	do.	313	113	114	24	---	182	41	114
37	Livestock.....	do.	1,066	720	377	406	457	235	661	588
38	Butterfat.....	do.	321	237	160	171	159	184	226	207
39	Poultry and eggs.....	do.	221	146	81	76	56	75	72	76
40	Other, including Government payments.....	do.	---	---	---	13	277	268	162	255
41	Total cash expenditures:	do.	1,741	1,198	1,052	775	1,075	1,530	900	1,568
42	Feed.....	do.	273	163	163	92	376	617	108	580
43	Livestock expense.....	do.	73	59	46	44	43	40	49	46
44	Crop expense.....	do.	87	46	50	8	17	68	22	56
45	Machinery purchased.....	do.	228	141	95	97	114	142	162	196
46	Other machinery expense.....	do.	396	306	334	256	260	361	286	360
47	Farm buildings and fences.....	do.	70	35	14	17	19	35	36	47
48	Labor hired.....	do.	234	140	87	62	50	75	49	75
49	Taxes.....	do.	364	297	254	190	188	185	181	200
50	Other.....	do.	16	11	9	9	8	7	7	8
51	Net cash farm income.....	do.	682	248	-156	64	-126	-371	356	-145
52	Value of perquisites.....	do.	413	309	245	249	271	312	324	324
53	Change in inventory:									
54	Crops and livestock.....	do.	186	-264	108	-641	-599	674	-1,196	359
55	Machinery and buildings.....	do.	-27	-107	-138	-123	-108	-68	-42	-21
56	Net farm income.....	do.	1,254	186	59	-451	-562	547	-558	517
57	Net farm production.....	do.	1,155	1,008	836	735	696	630	650	602
58	Return to operator and family labor.....	do.	99	-822	-777	-1,186	-1,258	-83	-1,208	-85
59	Purchasing power in 1937-41 dollars.....	do.	85	-822	-914	-1,363	-1,284	-83	-1,208	-83
60	Return per hour in current dollars.....	do.	.03	-.22	-.20	-.34	-.42	-.03	-.42	-.03
61	Index numbers (1947-49=100):									
62	Gross farm income.....	Percent	32	16	13	5	6	22	4	22
63	Net farm income.....	do.	21	3	1	-8	-9	9	-9	9
64	Net farm production.....	do.	86	57	75	23	22	63	14	49
65	Crop yields per acre.....	do.	89	54	78	15	5	67	10	45
66	Production per hour of man labor.....	do.	71	49	65	22	24	66	17	56
67	Production per unit of input.....	do.	95	67	88	32	34	86	24	71
68	Operating expense per unit of production.....	do.	60	70	49	117	151	76	189	89
69	Total cost per unit of production.....	do.	61	72	47	115	129	61	181	75
70	Power and machinery, January 1.....	do.	48	49	47	45	42	42	41	41
71	Prices received for products sold.....	do.	38	25	17	20	21	34	38	42
72	Prices paid, incl. wages to hired labor	do.	66	54	52	44	62	79	55	84

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
422	427	432	436	439	442	445	448	452	456	460	464	468	470	1
230	247	264	260	271	268	279	280	294	300	309	309	303	307	2
50	29	31	44	42	44	36	49	32	37	29	23	34	24	3
26	31	19	18	14	22	24	10	10	8	8	15	13	21	4
66.3	60.6	72.1	70.4	60.1	67.7	73.5	74.1	81.3	79.3	81.3	88.4	72.4	85.5	5
62.1	79.6	82.9	83.1	103.2	92.5	97.9	102.2	105.4	103.1	109.9	88.6	99.6	87.5	6
34.2	41.4	43.7	39.1	41.4	40.7	52.2	51.5	50.4	50.7	46.1	51.5	49.3	50.3	7
2.5	6.7	11.0	9.0	13.9	13.3	6.7	12.1	9.5	18.2	22.1	26.3	20.5	25.4	8
64.9	58.4	53.9	57.9	52.3	53.4	49.1	39.8	47.0	48.3	49.6	54.2	61.0	58.3	9
10.2	10.5	11.1	15.1	18.7	11.1	13.5	16.6	12.9	14.4	12.8	9.1	11.6	16.5	10
13.6	21.4	19.7	19.0	26.9	23.6	28.9	24.3	25.6	18.8	32.4	19.5	24.0	22.6	11
7.7	8.4	6.2	9.6	9.2	7.3	7.7	9.6	9.1	9.2	10.0	7.1	8.8	8.9	12
.9	.9	1.0	1.0	1.3	1.2	1.1	1.1	1.0	.9	.8	.8	1.0	1.0	13
16.8	17.2	19.1	20.8	22.9	26.0	28.4	30.7	29.6	27.9	27.1	27.1	27.5	31.4	14
7.0	7.0	7.5	7.7	7.9	8.2	8.6	8.4	7.5	7.0	6.4	6.2	6.2	6.2	15
1.4	1.6	2.0	2.3	2.9	3.6	4.1	5.2	5.7	5.6	5.6	5.5	7.1	8.4	16
58	75	91	93	113	133	141	123	125	116	111	104	113	107	17
14	14	16	18	20	19	16	15	12	11	9	8	8	8	18
21	28	28	32	40	54	33	42	35	35	32	33	34	38	19
.71	.73	.77	.87	.96	1.05	1.15	1.25	1.30	1.35	1.41	1.46	1.57	1.68	20
3,550	3,750	3,940	4,030	4,240	4,420	4,430	4,430	4,280	4,080	3,870	3,760	3,760	3,750	21
2,890	3,200	3,320	3,330	3,500	3,710	3,730	3,780	3,410	3,340	3,130	3,170	3,190	3,240	22
660	550	620	700	740	710	700	650	870	740	590	570	510	510	23
12,350	11,540	11,500	11,730	13,790	16,300	18,710	20,220	22,410	25,600	32,380	33,830	32,470	37,910	24
9,420	8,490	7,840	7,910	8,420	8,940	10,870	11,880	13,080	14,630	17,650	19,100	18,610	20,490	25
1,170	1,200	1,210	1,370	1,670	1,980	2,160	2,460	2,740	3,400	4,470	5,630	6,460	7,020	26
1,200	1,260	1,370	1,480	1,990	2,930	3,000	2,910	3,060	3,890	4,470	4,820	4,280	6,430	27
560	590	1,080	970	1,710	2,450	2,680	2,970	3,530	3,680	5,790	4,280	3,120	3,970	28
1,402	1,724	2,097	2,725	4,207	6,076	5,329	7,003	8,508	10,345	9,893	7,085	6,297	8,941	29
202	288	435	587	871	1,188	1,090	1,550	1,936	2,256	2,047	1,554	1,351	1,963	30
19	55	81	110	221	305	168	264	322	781	1,246	547	593	683	31
86	177	347	320	644	1,152	1,243	1,741	2,272	2,492	2,322	1,582	1,015	1,914	32
591	530	549	1,017	1,500	2,219	1,777	2,411	2,862	3,785	3,301	2,506	2,471	3,272	33
193	183	210	272	322	388	376	362	448	458	482	381	388	424	34
67	86	99	164	332	488	469	474	485	504	426	464	406	515	35
244	405	376	255	317	336	206	201	189	69	69	51	73	70	36
1,240	1,275	1,423	1,648	2,063	2,136	2,342	2,625	3,692	3,958	4,587	4,464	4,234	5,191	37
136	127	72	90	133	133	137	150	151	212	193	208	194	231	38
53	59	62	80	115	144	130	145	147	168	172	172	184	231	39
70	51	59	66	95	77	116	131	116	188	252	230	232	298	40
188	238	370	429	542	481	576	651	753	1,137	1,486	1,559	1,226	1,810	41
412	436	458	523	612	617	689	748	778	957	1,109	1,093	1,207	1,337	42
48	64	84	90	97	109	85	133	315	424	435	326	321	396	43
121	101	118	173	277	345	396	410	569	542	566	432	409	406	44
204	191	192	187	181	188	199	242	236	306	342	403	419	436	45
8	8	8	10	11	12	14	15	17	24	32	41	42	46	46
162	449	674	1,077	2,144	3,940	2,987	4,378	5,426	6,387	5,306	2,621	2,063	3,750	47
304	295	292	354	441	503	505	542	571	690	698	598	558	684	48
215	393	79	512	1,007	-1,050	456	64	-1,020	-144	485	-1,018	1,225	1,986	49
-28	21	144	172	226	138	165	232	457	741	873	679	301	756	50
653	1,158	1,189	2,115	3,818	3,531	4,113	5,216	5,434	7,674	7,362	2,880	4,147	7,176	51
578	540	541	534	638	777	859	925	1,042	1,189	1,554	1,679	1,651	1,984	52
75	618	648	1,581	3,180	2,754	3,254	4,291	4,392	6,485	5,808	1,201	2,496	5,192	53
77	637	668	1,506	2,650	2,055	2,308	2,919	2,694	3,395	2,875	613	1,261	2,404	54
.03	.19	.20	.47	.91	.74	.87	1.14	1.29	1.94	1.86	.38	.78	1.60	55
20	25	26	38	59	58	66	80	84	114	116	70	85	121	56
11	19	20	35	64	59	69	87	91	129	123	48	69	120	57
57	69	71	85	114	89	99	116	102	105	113	82	93	122	58
74	89	82	108	133	94	105	125	104	108	117	75	93	117	59
83	72	70	83	105	79	88	102	93	100	115	85	97	126	60
79	89	86	99	122	93	102	115	102	105	113	82	92	115	61
61	50	50	48	44	61	61	57	72	84	90	126	115	100	62
55	45	46	44	44	68	69	65	76	86	89	125	111	98	63
42	45	45	49	56	65	66	74	79	87	100	113	129	130	64
32	30	31	41	50	63	65	67	84	111	106	83	86	98	65
57	55	53	56	62	67	71	74	77	91	102	107	108	116	66

TABLE 22.—Wheat-roughage-livestock farms, northern Great Plains:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	578	576	574	565	557	550	545	543
2	Cropland harvested.....	do.	348	261	325	235	41	267	46	135
3	Fallow and idle.....	do.	42	55	32	50	135	128	135	140
4	Failure.....	do.	19	107	52	117	214	72	286	135
5	Pasture and other land.....	do.	169	153	165	163	167	83	78	133
6	Crops harvested:									
7	Wheat.....	do.	184.9	137.3	169.8	146.7	14.6	136.7	17.3	63.5
8	Other small grains.....	do.	72.3	43.9	70.3	30.2	1.8	59.2	2.6	22.2
9	Flaxseed.....	do.	24.2	8.2	12.6	6.9	.2	15.9	.9	1.2
	Hay.....	do.	47.5	51.6	51.5	35.1	15.7	40.9	22.5	41.3
10	Crop yields per harvested acre:									
11	Wheat.....	Bushels	9.5	7.0	10.8	5.3	2.5	5.6	2.4	2.9
12	Flaxseed.....	do.	4.1	3.2	3.6	2.4	1.6	4.7	1.5	1.4
	Hay.....	Tons	.7	.6	.9	.6	.4	.9	.4	.7
13	Livestock on farm, January 1:									
14	All cattle.....	Number	14.9	15.0	15.1	16.3	16.3	10.9	11.8	10.3
15	Milk cows.....	do.	6.0	5.8	6.0	6.0	5.8	4.6	4.7	4.5
16	Beef cows.....	do.	1.2	1.4	1.5	1.8	2.2	1.6	1.6	1.2
17	Chickens.....	do.	76	71	65	67	64	48	50	46
	Horses and mules.....	do.	8.9	8.4	7.5	6.9	6.5	6.0	5.6	5.2
18	Pigs raised.....	do.	11.0	13.0	11.6	9.4	7.2	5.6	7.7	6.4
19	Tractors on farm.....	do.	.64	.65	.65	.65	.65	.66	.67	.68
20	Total labor used.....	Hours	3,800	3,500	3,760	3,170	2,690	2,860	2,440	2,330
21	Operator and family.....	do.	2,910	2,740	3,110	2,600	2,240	2,400	2,110	1,970
22	Hired.....	do.	890	760	650	570	450	460	330	360
23	Total farm capital, January 1.....	Dollars	16,110	13,940	11,370	9,840	9,460	8,970	9,700	9,180
24	Land and buildings.....	do.	11,930	10,630	8,820	7,570	7,460	7,370	7,300	7,280
25	Machinery and equipment.....	do.	1,540	1,490	1,330	1,130	1,000	940	900	940
26	Livestock.....	do.	1,420	1,050	730	630	520	540	880	760
27	Crops for sale, feed and seed.....	do.	1,220	770	490	510	380	120	620	200
28	Total cash receipts.....	do.	1,809	913	698	1,016	899	744	842	699
29	Wheat.....	do.	1,015	415	389	659	139	175	122	0
30	Other crops.....	do.	185	82	53	103	8	78	110	0
31	Livestock.....	do.	357	246	151	153	234	130	275	247
32	Butterfat.....	do.	162	108	65	61	49	54	76	85
33	Poultry and eggs.....	do.	90	62	40	40	47	60	56	58
34	Other, incl. Government payments.....	do.	---	---	---	---	422	247	203	309
35	Total cash expenditures.....	do.	1,726	1,170	1,132	822	947	1,600	890	1,412
36	Feed purchased.....	do.	137	111	85	27	227	397	66	328
37	Livestock expense.....	do.	21	18	15	13	15	16	18	11
38	Crop expense.....	do.	180	100	108	64	62	321	77	285
39	Machinery purchased.....	do.	230	146	94	102	137	157	188	203
40	Other machinery expense.....	do.	594	407	529	375	268	455	305	324
41	Farm buildings and fences.....	do.	49	21	11	19	18	21	24	22
42	Labor hired.....	do.	251	148	100	82	73	90	66	84
43	Taxes.....	do.	258	213	185	134	142	139	141	151
44	Other.....	do.	6	6	5	6	5	4	5	4
45	Net cash farm income.....	do.	83	-257	-434	194	-48	-856	-48	-713
46	Value of perquisites.....	do.	310	242	200	180	187	233	235	233
47	Change in inventory:									
48	Crops and livestock.....	do.	25	-268	208	-702	-752	558	-1,057	51
	Machinery and buildings.....	do.	-92	-177	-191	-138	-91	-63	-28	-21
49	Net farm income.....	do.	326	-460	-217	-466	-704	-128	-898	-450
50	Charge for capital.....	do.	1,014	871	711	611	548	483	495	445
51	Return to operator and family labor.....	do.	-688	-1,331	-928	-1,077	-1,252	-611	-1,393	-895
52	Purchasing power in 1937-41 dollars.....	do.	-593	-1,331	-1,092	-1,238	-1,278	-611	-1,393	-869
53	Return per hour in current dollars.....	do.	-.24	-.49	-.30	-.41	-.56	-.25	-.66	-.45
54	Index numbers (1947-49 = 100):									
55	Gross farm income.....	Percent	24	10	12	5	4	17	1/	11
56	Net farm income.....	do.	6	-9	-4	-9	-13	-2	-17	-8
57	Net farm production.....	do.	69	33	73	22	-1	36	-2	7
58	Crop yields per acre.....	do.	78	40	79	34	8	61	11	24
59	Production per hour of man labor.....	do.	58	30	61	22	-1	40	-3	10
60	Production per unit of input.....	do.	76	44	82	32	11	58	5	28
61	Operating expense per unit of production.....	do.	68	94	46	103	340	94	843	201
62	Total cost per unit of production.....	do.	67	94	43	102	312	73	826	161
63	Power and machinery, January 1.....	do.	68	67	62	55	47	44	41	41
64	Prices received for products sold.....	do.	33	23	17	24	23	33	36	40
	Prices paid, incl. wages to hired labor.	do.	52	42	40	38	41	52	46	54

¹ Less than 0.5 percent.

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
548	558	572	587	603	620	636	648	661	674	687	700	713	726	1
205	207	237	257	268	302	317	337	332	359	364	382	371	391	2
116	125	104	91	66	45	40	42	50	45	50	52	64	64	3
68	34	22	14	10	17	9	11	12	7	10	14	12	10	4
159	192	209	225	259	256	270	258	267	263	263	252	266	261	5
117.7	112.8	136.9	142.3	131.4	152.2	173.2	181.3	186.3	190.4	183.7	203.7	167.3	202.7	6
31.9	39.3	45.1	50.5	68.4	63.4	66.5	67.0	69.7	73.0	75.4	55.7	70.7	69.4	7
2.9	2.6	6.8	9.5	18.6	30.4	12.9	21.0	9.7	17.7	17.6	20.3	18.1	18.7	8
43.1	43.0	38.0	45.8	39.4	45.1	50.9	53.9	53.4	64.5	75.8	89.6	100.3	85.9	9
5.2	7.9	9.7	16.1	18.8	17.0	16.2	14.1	12.7	12.8	12.3	9.1	12.4	12.2	10
2.1	2.4	4.6	6.1	7.6	7.9	8.3	7.4	6.5	7.8	8.9	5.8	7.1	8.0	11
.8	.9	.9	1.1	1.0	.9	.8	.9	.8	.9	.8	.7	.7	.8	12
9.9	10.9	12.8	14.6	17.6	20.2	24.0	26.9	27.1	27.5	28.7	29.6	29.4	28.8	13
4.6	4.8	5.4	5.9	6.7	7.5	7.8	8.0	7.4	7.8	7.4	7.3	7.4	7.4	14
1.0	1.1	1.3	1.6	2.3	3.0	4.3	5.7	6.2	6.3	6.5	7.1	7.2	7.3	15
42	47	54	57	67	85	91	82	77	66	66	62	64	61	16
4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.2	3.8	3.6	3.5	3.5	3.2	3.2	17
5.1	8.0	8.8	8.6	13.9	19.2	14.0	14.0	15.2	14.3	13.0	14.3	12.4	13.9	18
.69	.71	.73	.78	.87	.96	1.02	1.10	1.18	1.22	1.32	1.45	1.56	1.64	19
2,380	2,410	2,640	2,970	3,290	3,440	3,390	3,360	3,140	3,280	3,110	3,120	3,130	3,170	20
2,010	2,020	2,170	2,430	2,690	2,840	2,770	2,830	2,620	2,750	2,620	2,760	2,820	2,920	21
370	390	470	540	600	600	620	530	520	530	490	360	310	250	22
8,920	8,280	8,320	8,740	10,990	13,410	16,550	18,150	19,690	22,770	29,520	30,590	30,210	35,360	23
6,980	6,130	5,780	5,930	6,360	7,080	8,940	9,820	11,030	12,440	15,090	16,600	16,600	18,810	24
1,000	1,080	1,210	1,470	1,760	1,950	2,360	2,730	3,220	3,220	3,980	4,880	5,650	6,260	25
720	750	840	940	1,310	1,950	2,150	2,210	2,360	3,160	4,130	4,680	4,190	5,400	26
220	340	620	660	1,850	2,620	3,510	3,760	3,570	3,950	6,320	4,430	3,770	4,890	27
593	1,070	1,491	2,086	3,616	5,721	5,733	6,668	7,583	9,013	9,193	6,982	6,725	8,370	28
112	335	665	1,104	2,006	2,924	3,347	3,913	4,124	4,768	4,623	3,526	3,135	4,111	29
11	39	55	132	401	1,207	807	925	1,046	1,421	1,558	637	623	1,103	30
150	164	226	263	538	712	798	1,100	1,461	1,928	2,065	2,038	2,185	2,181	31
84	88	125	184	238	334	332	351	451	571	609	505	519	617	32
50	44	51	77	163	226	268	260	260	236	244	230	187	257	33
186	400	369	326	270	318	181	119	241	89	94	46	76	101	34
1,058	1,075	1,332	1,651	2,105	2,236	2,667	2,873	3,217	4,194	4,508	4,388	4,521	5,277	35
98	70	86	57	58	67	87	108	122	172	141	135	131	161	36
16	17	19	32	50	56	69	57	68	81	88	84	88	104	37
63	52	75	98	137	158	175	180	190	300	333	316	292	388	38
223	243	348	473	565	439	686	782	922	1,277	1,435	1,543	1,652	2,060	39
389	400	463	579	766	846	919	971	992	1,220	1,305	1,260	1,339	1,515	40
19	40	57	67	82	104	93	123	277	357	398	317	326	356	41
88	92	118	184	290	393	451	422	415	477	463	322	270	240	42
157	155	160	154	149	165	178	221	220	296	328	390	400	424	43
5	6	6	7	8	8	9	9	11	14	17	21	23	29	44
-465	-5	159	435	1,511	3,485	3,066	3,795	4,366	4,819	4,685	2,594	2,204	3,093	45
210	199	205	265	328	418	399	439	488	548	586	527	495	564	46
221	260	198	1,107	881	-163	387	-524	-776	808	78	-769	865	958	47
-6	14	116	206	254	116	278	316	520	800	799	637	611	876	48
-40	468	678	2,013	2,974	3,856	4,130	4,026	4,598	6,975	6,148	2,989	4,175	5,491	49
414	386	391	397	513	644	768	836	907	1,049	1,413	1,494	1,514	1,819	50
-454	82	287	1,616	2,461	3,212	3,362	3,190	3,691	5,926	4,735	1,495	2,661	3,672	51
-463	85	296	1,539	2,051	2,397	2,384	2,170	2,264	3,103	2,344	763	1,344	1,700	52
-.23	.04	.13	.67	.91	1.13	1.21	1.13	1.41	2.15	1.81	.54	.94	1.26	53
11	17	21	38	54	66	73	73	81	115	110	75	90	110	54
-1	9	13	37	55	72	77	75	86	130	114	56	78	102	55
29	40	53	88	115	114	116	113	99	110	107	83	98	109	56
47	61	77	115	147	125	129	117	103	111	109	80	101	106	57
39	52	64	94	111	105	109	106	100	106	109	85	99	109	58
52	65	77	112	127	120	121	114	103	109	108	83	95	101	59
87	68	60	44	44	51	56	62	75	84	94	122	108	110	60
79	60	52	40	43	54	60	67	77	84	94	122	106	110	61
41	45	47	50	57	67	69	80	88	92	99	109	124	127	62
29	29	31	38	45	57	62	65	83	107	104	89	93	100	63
50	48	50	53	60	67	72	75	78	92	103	105	106	114	64

Table 23.--Winter wheat farms, Southern Plains:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in farm.....	Acres	560	560	560	560	560	560	566	572
2	Cropland harvested.....	do.	389	394	350	252	243	183	278	294
3	Crops harvested:									
4	Wheat.....	do.	322.7	318.3	240.6	137.6	183.5	116.0	238.6	260.0
5	Sorghum for grain.....	do.	1.6	1.4	2.4	3.3	5	4.2	1.3	5.3
6	Sorghum for forage.....	do.	7.8	9.4	15.0	23.3	24.9	18.6	13.8	9.3
7	Hay.....	do.	4.6	5.2	6.5	6.8	4.7	6.3	4.8	3.3
8	Crop yield per harvested acre:									
9	Wheat.....	Bushels	14.3	18.3	10.9	6.7	7.5	6.7	9.0	7.1
10	Sorghum for grain.....	do.	15.0	20.0	12.5	9.2	3.5	6.0	5.0	6.4
11	Hay.....	Tons	2.3	2.3	1.9	1.5	.9	1.1	.9	1.2
12	Livestock on farms, January 1:									
13	All cattle.....	Number	13.2	14.2	15.2	16.3	18.0	15.9	14.6	14.7
14	Milk cows.....	do.	5.0	5.2	5.5	5.8	6.3	6.0	5.4	4.9
15	Beef cows.....	do.	2.9	3.6	4.1	4.4	4.9	4.3	4.5	4.2
16	Chickens.....	do.	137	130	124	125	127	98	92	92
17	Horses and mules.....	do.	6.4	6.1	5.9	5.6	5.4	5.1	4.5	3.8
18	Pigs raised.....	do.	16.8	19.1	17.8	15.9	8.2	7.9	8.5	7.4
19	Tractors on farms.....	do.	1.00	1.01	1.03	1.04	1.05	1.06	1.06	1.07
20	Total labor used.....	Hours	3,780	3,880	3,360	2,950	2,880	2,700	2,770	2,680
21	Operator and family.....	do.	2,230	2,400	2,000	1,770	1,770	1,740	1,840	1,820
22	Hired.....	do.	1,550	1,480	1,360	1,180	1,110	960	930	860
23	Total farm capital, January 1.....	Dollars	28,468	25,712	22,434	17,690	18,409	18,408	18,816	19,803
24	Land and buildings.....	do.	23,422	21,280	18,480	14,560	15,120	15,120	15,484	16,588
25	Machinery and equipment.....	do.	2,467	2,395	2,241	2,116	2,092	2,053	1,989	1,940
26	Livestock.....	do.	1,313	938	700	619	651	677	931	829
27	Crops for sale, feed and seed.....	do.	1,266	1,099	1,013	395	546	558	412	446
28	Total cash receipts.....	do.	3,804	2,564	1,748	1,180	2,269	2,026	3,000	2,498
29	Wheat.....	do.	2,457	1,574	1,062	553	814	517	1,500	1,280
30	Other crops.....	do.	269	191	124	107	40	1	62	-
31	Cattle.....	do.	347	277	221	187	311	400	288	495
32	Hogs.....	do.	289	176	98	87	72	95	143	112
33	Other livestock and livestock products.....	do.	442	346	243	246	297	367	338	356
34	Other, including Government payments.....	do.	---	---	---	---	735	646	669	255
35	Total cash expenditures.....	do.	2,234	1,832	1,581	1,431	1,542	1,670	1,653	1,877
36	Feed purchased.....	do.	171	122	87	95	234	289	208	406
37	Livestock expense.....	do.	42	38	33	33	30	28	31	31
38	Crop expense.....	do.	46	37	33	117	81	176	111	104
39	Machinery purchased.....	do.	258	221	219	162	177	148	160	149
40	Other machinery expense.....	do.	908	827	791	665	653	608	702	727
41	Farm buildings and fences.....	do.	142	50	22	25	26	87	79	83
42	Labor hired.....	do.	383	274	187	145	152	145	159	166
43	Taxes.....	do.	269	251	198	178	178	178	192	199
44	Other.....	do.	15	12	11	11	11	11	11	12
45	Net cash farm income.....	do.	1,570	732	167	-251	727	356	1,347	621
46	Value of perquisites.....	do.	319	268	240	225	217	259	263	268
47	Change in inventory:									
48	Crops and livestock.....	do.	246	351	-321	-320	-702	-132	-280	-14
49	Machinery and buildings.....	do.	-33	-135	-137	-170	-164	-123	-116	-122
50	Net farm income.....	do.	2,102	1,216	-51	-516	78	360	1,214	753
51	Charge for capital.....	do.	1,747	1,575	1,398	1,113	1,091	1,036	990	999
52	Return to operator and family.....	do.	355	-359	-1,449	-1,629	-1,013	-676	224	-246
53	Purchasing power in 1937-41 dollars.....	do.	306	-359	-1,705	-1,872	-1,034	-676	224	-239
54	Return per hour in current dollars.....	do.	.16	-.15	-.72	-.92	-.57	-.39	.12	-.14
55	Index numbers (1947-49 = 100):									
56	Gross from income.....	Percent	31	22	12	8	13	15	21	19
57	Net farm income.....	do.	21	12	-1	-5	1	4	12	8
58	Net farm production.....	do.	91	112	62	30	29	24	39	35
59	Crop yields per acre.....	do.	90	115	59	25	29	24	41	33
60	Production per hour of man labor.....	do.	.73	88	56	31	30	27	43	40
61	Production per unit of input.....	do.	96	116	68	39	39	36	52	49
62	Operating expense per unit of production.....	do.	58	42	65	110	119	141	97	116
63	Total cost per unit of production.....	do.	57	41	62	98	103	118	82	95
64	Power and machinery, January 1.....	do.	83	82	79	77	73	69	66	62
65	Prices received for products sold.....	do.	36	21	18	25	31	39	43	47
66	Prices paid, incl. wages to hired labor.	do.	56	49	45	42	45	48	50	56

Organization, production, costs and returns, 1930-51

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
578 331	585 180	592 194	602 309	612 326	623 314	633 330	641 373	648 358	655 382	661 314	666 354	670 353	675 297	1 2
293.3 6.4 12.3 2.7	144.1 6.2 12.3 2.6	128.8 11.1 20.3 3.3	246.1 7.1 19.9 3.6	268.6 5.4 17.4 3.1	253.5 6.9 20.3 3.2	261.2 14.5 19.4 2.9	314.7 13.5 18.2 4.2	308.8 11.6 17.8 4.1	337.4 12.4 14.2 4.2	261.2 20.4 12.5 4.3	301.7 22.0 14.0 4.7	292.8 32.4 13.8 4.0	206.6 57.3 14.5 6.1	3 4 5 6
10.0 7.6 1.3	8.4 5.1 1.2	9.8 10.2 1.3	17.0 16.2 1.5	21.3 13.8 2.1	16.2 12.9 1.3	16.6 27.6 2.0	16.0 14.4 1.6	17.2 12.9 1.4	21.0 14.5 1.6	17.0 21.4 2.0	11.2 24.7 1.8	14.4 25.7 1.8	12.2 25.0 1.9	7 8 9
12.5 4.7 3.3 82 3.2	13.6 4.7 4.2 94 2.5	14.5 4.8 4.5 100 1.9	19.2 5.0 5.6 95 1.9	26.8 5.5 7.0 122 2.0	36.3 6.1 9.3 156 2.0	35.7 6.4 10.6 161 2.1	40.2 6.2 11.0 134 2.1	36.6 5.4 10.9 128 1.8	33.7 5.0 11.3 114 1.5	30.0 4.6 10.3 103 1.3	34.0 4.4 10.2 92 1.3	35.4 4.6 10.8 99 .8	39.0 4.7 11.1 92 .7	10 11 12 13 14
8.8	9.8	6.9	8.5	13.5	20.8	11.5	8.0	9.3	6.8	5.8	7.3	5.3	6.3	15
1.08	1.09	1.11	1.14	1.20	1.27	1.33	1.40	1.41	1.42	1.43	1.44	1.45	1.50	16
2,780 1,970 810	2,360 1,770 590	2,640 1,800 840	3,160 2,190 970	3,380 2,370 1,010	3,300 2,250 1,050	3,290 2,290 1,000	3,270 2,340 930	3,180 2,360 820	3,330 2,590 740	2,880 2,240 640	2,750 2,150 600	2,810 2,270 540	2,590 2,100 490	17 18 19
19,777 16,762 1,897 713 405	19,390 16,380 1,777 770 463	18,783 16,012 1,645 768 358	19,529 16,254 1,853 1,637 425	23,703 17,748 2,204 2,838 2,114	29,761 20,559 2,925 2,687 3,816	32,384 24,054 3,301 2,703 2,718	37,133 28,245 3,605 2,756 2,884	40,346 31,104 4,269 3,255 3,382	48,241 37,335 5,248 3,672 7,501	60,047 43,626 6,171 4,511 2,977	59,613 45,954 6,720 4,257 2,988	59,525 45,560 7,312 6,416 3,321	69,024 51,975 7,312 6,416 2,988	20 21 22 23 24
2,208 1,313 -	1,886 674 2 398 100 307 238	1,746 627 8 197 62 318 453	3,027 1,859 118 1,363 99 470 534	5,499 3,867 159 1,363 165 1,056 545	10,133 6,501 104 1,363 566 996 543	8,436 5,780 512 725 1,565 1,011 322	9,946 6,477 71 1,854 2,659 1,019 237	12,216 8,689 12,512 1,483 2,483 1,109 189	16,868 11,058 5,918 1,803 1,243 1,084 118	14,215 11,058 7,542 1,803 1,243 875 99	9,280 5,918 7,542 1,803 1,243 866 151	11,424 5,779 1,537 2,321 244 1,029 133	11,043 26 27 28 29 30 31	
1,608 236 29 41 181 739 26 150 194 12	1,320 191 32 60 114 567 27 109 208 12	1,950 168 31 80 418 590 293 167 191 12	2,439 201 43 38 498 794 394 363 215 14	2,927 653 65 70 608 897 394 501 199 16	3,299 651 473 207 190 785 138 560 183 17	3,903 614 728 177 106 662 39 561 245 18	3,464 614 512 1,565 1,144 1,144 39 539 341 21	3,631 728 98 2,659 1,313 1,232 56 513 347 23	4,270 584 229 284 292 1,301 253 474 400 27	4,434 445 333 309 1,301 1,360 306 422 425 30	4,774 436 712 410 990 1,350 187 417 473 32	4,330 532 353 410 1,211 1,350 910 417 40 41	5,691 33 34 35 36 37 38 39 40 41	
600	566	-204	588	2,572	6,834	4,533	6,482	8,585	12,598	9,781	4,506	7,094	5,352	42
255	253	270	272	303	407	373	410	516	550	595	593	599	672	43
209 -145	-330 -185	293 347	1,892 433	2,241 493	-2,386 204	305 480	-417 94	-579 64	2,217 133	-2,006 306	248 -531	659 -13	-485 758	44 45
919	304	706	3,185	5,609	5,059	5,691	6,569	8,586	15,498	8,676	5,878	8,339	6,297	46
949	918	866	886	1,096	1,409	1,460	1,696	1,831	2,199	2,763	2,755	2,797	3,275	47
-30 -31 -.02	-614 -633 -.35	-160 -165 -.09	2,299 2,190 1,05	4,513 3,761 1,90	3,650 2,724 1,62	4,231 3,001 1,85	4,873 3,315 2,08	6,755 4,144 2,86	13,299 6,963 5,13	5,913 2,927 2,64	3,123 1,593 1,45	5,542 2,799 2,44	3,022 1,399 1,44	48 49 50
19 9 55 55 60 71 70 61 59 32 51	13 3 29 31 37 43 107 95 56 32 49	16 7 34 41 40 47 111 46 46 57 51	37 56 85 103 96 97 85 92 68 72 64 68 73 67 70 63 50 37 55	57 50 93 93 95 94 99 85 75 71 75 64 73 77 61 70 63 68 61	57 57 101 100 129 103 78 100 71 127 91 105 124 106 123 108 100 106 102 93 104	64 66 104 97 122 103 82 100 75 127 85 105 124 106 123 108 94 102 104 102	70 86 133 100 122 93 78 100 69 91 85 105 124 106 123 108 94 102 104 102	86 155 89 100 122 93 85 100 69 82 94 105 124 106 123 108 94 102 104 102	139 155 89 93 122 93 85 100 69 82 94 105 124 106 123 108 94 102 104 102	90 86 78 90 92 85 100 71 91 85 105 124 106 123 108 94 102 104 102	71 59 93 71 90 82 100 71 82 94 105 124 106 123 108 94 102 104 102	89 83 70 62 82 73 56 106 114 115 155 157 133 152 152 114 115 109 114	79 63 53 62 82 73 62 155 114 115 51 52 30 55 59 61	51

TABLE 24.--Wheat-pea farms, Washington and Idaho:

	ITEM	UNIT	1935 ¹	1936	1937	1938	1939	1940
1	Land in farm.....	Acres	389	401	397	410	421	426
2	Cropland harvested.....	do.	258	261	260	255	262	292
3	Other cropland.....	do.	105	113	110	127	130	105
4	Other land.....	do.	26	27	27	28	29	29
5	Crops harvested:							
6	Wheat.....	do.	141	152	152	157	142	133
7	Oats and barley.....	do.	29	26	26	29	40	42
8	Peas.....	do.	67	62	57	51	55	94
	Hay.....	do.	21	21	25	18	25	23
9	Crop yields per harvested acre:							
10	Wheat.....	Bushels	28.5	20.5	28.4	28.5	30.5	32.8
11	Barley.....	do.	35.0	36.5	37.5	34.0	36.0	35.0
	Peas.....	Cwt.	10.9	11.7	15.2	11.1	11.4	7.8
12	Livestock on farm, January 1:							
13	All cattle.....	do.	11.9	12.6	12.1	12.7	13.9	15.8
14	Milk cows.....	do.	3.3	3.5	3.2	3.2	3.1	3.5
	Chickens.....	do.	87	91	97	97	97	97
15	Pigs raised.....	do.	19	20	26	28	32	30
16	Tractors on farm.....	do.	.40	.52	.68	.87	.92	.95
17	Total labor used.....	Hours	4,120	4,060	3,940	4,070	3,850	3,860
18	Operator and family.....	do.	2,160	2,150	2,120	2,120	2,090	2,090
19	Hired.....	do.	1,960	1,910	1,820	1,950	1,760	1,770
20	Total farm capital, January 1.....	Dollars	26,110	27,370	31,840	33,680	32,440	35,970
21	Land and buildings.....	do.	22,170	22,810	25,980	27,130	26,230	29,060
22	Machinery and equipment.....	do.	1,920	2,390	3,160	3,800	3,640	3,610
23	Livestock.....	do.	910	1,050	1,080	1,020	980	1,010
24	Crops for sale, feed and seed.....	do.	1,110	1,120	1,620	1,730	1,590	2,290
25	Total cash receipts.....	do.	5,282	5,433	5,056	3,665	4,967	5,250
26	Wheat.....	do.	2,378	2,865	2,539	1,681	2,145	2,151
27	Peas.....	do.	1,174	1,161	1,217	619	1,076	1,457
28	Other crops.....	do.	144	320	320	244	343	396
29	Cattle.....	do.	79	141	102	83	100	194
30	Hogs.....	do.	294	234	350	368	339	285
31	Dairy products.....	do.	132	178	163	131	126	178
32	Other livestock and livestock products.....	do.	173	190	221	188	156	148
33	Other, including Government payments.....	do.	908	344	144	351	682	441
34	Total cash expenditures.....	do.	2,865	3,423	3,470	3,345	3,097	3,612
35	Feed purchased.....	do.	197	208	253	226	243	245
36	Livestock expense.....	do.	26	25	26	28	29	36
37	Crop expense.....	do.	293	312	392	496	405	489
38	Machinery purchased.....	do.	833	1,246	1,120	765	635	884
39	Other machinery expense.....	do.	571	660	762	826	871	939
40	Farm buildings and fences.....	do.	138	133	87	118	85	120
41	Labor hired.....	do.	433	518	519	542	480	514
42	Taxes.....	do.	338	285	274	307	313	348
43	Other.....	do.	36	36	37	37	36	37
44	Net cash farm income.....	do.	2,417	2,010	1,586	320	1,870	1,638
45	Value of perquisites.....	do.	313	344	344	308	298	282
46	Change in inventory:							
47	Crops and livestock.....	do.	17	150	428	287	226	274
	Machinery and buildings.....	do.	449	690	403	33	-69	165
48	Net farm income.....	do.	3,196	3,194	2,761	948	2,325	2,359
49	Charge for capital.....	do.	1,520	1,478	1,700	1,748	1,663	1,815
50	Return to operator and family labor.....	do.	1,676	1,716	1,061	-800	662	544
51	Purchasing power in 1937-41 dollars.....	do.	1,676	1,716	1,030	-816	682	561
52	Return per hour in current dollars.....	do.	.78	.80	.50	-.38	.32	.26
53	Index numbers (1947-49 = 199):							
54	Gross farm income.....	Percent	31	32	32	23	30	32
55	Net farm income.....	do.	27	27	23	8	20	20
56	Net farm production.....	do.	69	75	80	74	79	82
57	Crop yields per acre.....	do.	100	102	110	100	106	104
58	Production per hour of man labor.....	do.	53	58	64	57	65	67
59	Production per unit of input.....	do.	83	85	89	80	84	87
60	Operating expense per unit of production.....	do.	52	54	57	66	59	62
61	Total cost per unit of production.....	do.	47	47	49	54	50	51
62	Power and machinery, January 1.....	do.	43	51	64	72	74	73
63	Prices received for products sold.....	do.	38	41	39	29	32	35
	Prices paid, incl. wages to hired labor.....	do.	45	46	49	49	48	53

¹Data not available prior to 1935.

Organization, production, costs and returns, 1930-51.¹

1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
427	426	440	453	444	457	476	474	494	482	498	1
294	322	326	352	346	347	373	311	386	319	325	2
104	75	83	69	65	77	66	129	70	128	137	3
29	29	31	32	33	33	37	34	38	35	36	4
139	108	85	123	152	172	180	180	214	179	187	5
40	46	30	54	41	24	30	35	39	67	41	6
96	150	195	159	135	137	147	83	114	53	79	7
19	18	16	16	19	14	16	14	18	20	18	8
31.1	33.3	27.6	32.6	34.2	33.8	30.1	29.5	24.3	33.6	32.1	9
35.6	36.3	39.0	37.7	34.9	34.1	34.6	34.7	25.0	31.1	33.3	10
15.6	16.6	14.5	13.3	11.5	16.0	13.1	12.4	9.2	14.1	13.6	11
16.9	18.0	19.9	14.1	12.3	10.7	11.3	9.3	9.8	10.4	10.7	12
3.3	3.4	3.4	3.4	3.3	2.3	2.1	2.0	2.2	2.2	2.2	13
97	102	107	113	107	67	61	74	74	69	63	14
32	47	44	27	16	14	12	9	14	12	13	15
1.05	1.13	1.22	1.30	1.36	1.46	1.62	1.70	1.79	1.87	1.86	16
3,750	3,660	3,540	3,310	3,280	3,120	3,220	3,130	3,110	3,140	3,120	17
2,060	2,050	2,040	2,000	2,000	1,960	1,980	2,000	1,990	2,000	1,980	18
1,690	1,610	1,500	1,310	1,280	1,160	1,240	1,130	1,120	1,140	1,140	19
36,520	40,660	50,680	58,130	64,540	75,200	92,200	105,290	112,350	107,620	127,320	20
29,070	31,690	37,950	45,910	51,160	61,530	73,540	85,200	91,740	89,760	106,580	21
4,000	4,540	5,240	5,800	6,080	5,840	7,100	8,810	10,250	9,740	10,420	22
1,090	1,510	2,180	1,520	1,340	1,410	1,600	1,700	1,870	1,570	2,170	23
2,360	2,920	5,310	4,900	5,960	6,420	7,960	9,580	8,490	6,550	8,150	24
9,170	14,575	18,300	15,245	13,765	18,552	23,159	16,190	14,794	14,398	19,215	25
3,368	2,442	3,153	3,733	6,408	8,259	11,270	8,530	9,224	8,409	12,923	26
3,449	8,960	11,186	8,293	4,059	7,632	8,295	5,018	3,002	2,873	2,531	27
563	490	445	920	1,235	987	1,311	1,092	998	1,549	1,932	28
269	249	923	440	446	283	826	423	384	570	706	29
477	900	1,358	934	577	593	650	414	535	307	357	30
208	244	289	299	416	352	308	321	300	307	339	31
203	250	398	332	438	282	286	330	236	204	247	32
633	1,040	548	294	186	171	213	62	105	179	180	33
3,896	4,916	4,938	4,891	4,674	6,093	7,526	7,363	6,462	7,170	8,533	34
283	430	603	498	390	307	361	344	319	336	374	35
43	53	63	49	47	42	43	44	49	53	53	36
503	681	623	599	432	579	579	410	589	654	997	37
867	1,011	733	620	710	1,568	2,327	2,115	1,350	1,696	2,542	38
1,039	1,182	1,292	1,393	1,439	1,482	1,838	1,717	2,033	2,202	2,166	39
205	370	159	275	168	575	676	883	350	354	394	40
586	803	1,092	1,065	1,092	1,027	1,130	1,220	981	997	1,250	41
328	344	331	350	353	469	525	581	744	829	704	42
42	42	42	42	43	44	47	49	47	53	53	43
5,274	9,659	13,362	10,354	9,091	12,459	15,633	8,827	8,332	7,228	10,682	44
341	421	556	543	607	617	858	931	868	838	1,018	45
-350	1,764	-1,809	807	369	394	-2,280	1,004	-431	1,746	-1,258	46
162	341	-183	-248	-270	811	1,259	925	-334	39	274	47
5,427	12,185	11,926	11,456	9,797	14,281	15,470	11,687	8,435	9,851	10,716	48
1,784	1,978	2,408	2,717	3,075	3,664	4,492	5,134	5,404	5,272	6,257	49
3,643	10,207	9,518	8,739	6,722	10,617	10,978	6,553	3,031	4,579	4,459	50
3,470	8,506	7,103	6,198	4,573	6,513	5,748	3,244	1,546	2,313	2,064	51
1,77	4.98	4.67	4.37	3.36	5.42	5.54	3.28	1.52	2.29	2.25	52
50	91	93	90	80	107	118	99	83	92	103	53
46	103	101	97	83	120	130	99	71	83	90	54
99	116	104	110	107	123	114	94	92	104	102	55
116	123	107	115	115	123	108	107	85	119	114	56
83	100	92	104	103	124	112	95	93	104	103	57
102	117	104	111	112	127	112	97	91	103	97	58
56	59	73	70	66	66	84	104	112	105	122	59
46	48	62	63	66	64	81	107	112	101	121	60
76	77	78	85	85	84	91	101	108	103	103	61
46	74	82	81	73	87	105	106	89	84	101	62
56	64	72	76	78	83	93	102	105	110	117	63

TABLE 25.--Sheep ranches, northern Great Plains livestock area:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in ranch.....	Acres	3,867	4,199	3,671	4,413	4,550	3,757	4,341	3,944
2	Cropland harvested.....	do.	153	77	157	147	45	70	42	79
3	Rangeland pasture and miscellaneous.....	do.	3,714	4,122	3,514	4,266	4,505	3,687	4,299	3,865
4	Crops harvested:	do.	47.6	18.8	45.8	36.3	9.3	16.4	7.8	15.9
5	Grains.....	do.	57.7	34.0	62.5	67.3	18.3	30.5	19.2	25.6
6	Tame hay.....	do.	40.8	22.8	44.8	38.3	13.2	22.7	13.0	35.3
7	Native hay.....	do.	6.8	1.4	3.9	5.1	3.8	.4	2.0	2.2
8	Other crops.....	do.								
9	Livestock on ranch, January 1:	Number	1,156	1,268	1,021	1,326	1,415	943	1,102	901
10	All sheep.....	do.	928	1,019	860	1,057	1,092	783	899	828
11	Breeding ewes.....	do.								
12	All cattle.....	do.	18.3	17.3	18.3	19.3	20.3	20.3	19.1	17.0
13	Chickens.....	do.	41	46	42	43	38	30	20	29
14	Horses.....	do.	13.8	13.5	12.0	11.0	11.0	9.9	9.5	9.3
15	Pigs raised.....	do.	4.3	4.4	2.7	3.9	2.1	1.0	.9	1.1
16	Lamb crop.....	Percent	82	83	74	74	75	71	72	71
17	Tractors on ranch.....	Number	.30	.32	.33	.34	.34	.38	.41	.44
18	Total labor used:	Hours	8,550	8,520	7,700	9,200	8,780	6,470	7,050	6,250
19	Operator and family.....	do.	4,530	4,590	4,650	4,650	4,620	4,550	4,520	4,230
20	Hired.....	do.	4,020	3,930	3,050	4,550	4,160	1,920	2,530	2,020
21	Total ranch capital, January 1:	Dollars	38,510	30,460	19,840	21,650	24,750	19,730	25,140	22,500
22	Land and buildings.....	do.	22,420	19,280	13,470	14,630	14,320	11,750	13,160	12,780
23	Machinery and equipment.....	do.	1,110	1,080	980	940	960	1,030	1,190	1,360
24	Livestock.....	do.	13,270	6,650	4,480	5,060	7,680	5,320	6,950	6,690
25	Crops for sale, feed and seed.....	do.	1,710	1,450	910	1,020	1,790	1,630	1,840	1,670
26	Total cash receipts.....	do.	5,656	5,434	2,362	4,543	6,562	3,655	6,167	5,664
27	Crops.....	do.	63	0	11	18	12	0	0	0
28	Cattle.....	do.	304	206	175	143	140	284	244	234
29	Sheep.....	do.	2,754	3,336	1,110	1,963	3,086	1,480	3,086	2,819
30	Wool.....	do.	2,260	1,663	946	2,254	2,726	1,557	2,472	2,299
31	Other livestock and livestock products.....	do.	275	229	120	120	112	95	71	42
32	Other, including Government payments.....	do.	---	---	45	486	239	294	270	
33	Total cash expenditures.....	do.	3,720	3,748	2,605	2,642	3,979	3,805	4,769	4,189
34	Feed and grazing fees.....	do.	468	842	271	377	1,676	1,619	1,797	1,600
35	Livestock purchased.....	do.	756	740	700	419	347	396	910	925
36	Other livestock expense.....	do.	67	73	51	74	82	46	55	44
37	Crop expense.....	do.	4	4	3	3	1	8	3	8
38	Machinery purchased.....	do.	200	125	135	163	256	370	419	226
39	Other machinery expense.....	do.	251	204	220	201	200	208	220	239
40	Ranch buildings and fences.....	do.	62	121	81	28	56	172	179	107
41	Labor hired.....	do.	916	800	475	587	507	343	449	344
42	Taxes.....	do.	509	419	333	384	432	336	399	365
43	Other.....	do.	487	420	336	406	422	307	338	331
44	Net cash ranch income.....	do.	1,936	1,686	-243	1,901	2,583	-150	1,398	1,475
45	Value of perquisites.....	do.	375	290	240	228	242	313	306	342
46	Change in inventory:									
47	Crops and livestock.....	do.	663	-1,089	811	338	-1,796	940	-1,047	-54
48	Machinery and buildings.....	do.	-132	-106	-98	-113	-45	116	146	-124
49	Net ranch income.....	do.	2,842	781	710	2,354	984	1,219	803	1,639
50	Charge for capital.....	do.	2,837	2,230	1,412	1,493	1,580	1,204	1,465	1,280
51	Return to operator and family labor.....	do.	5	-1,449	-702	861	-596	15	-662	359
52	Purchasing power in 1937-41 dollars.....	do.	4	-1,449	-826	990	-608	15	-662	349
53	Return per hour in current dollars.....	do.	-	-.32	-.15	.19	-.13	-	-.15	.08
54	Index numbers (1947-49 = 100):	Percent	42	29	22	32	32	31	34	38
55	Gross ranch income.....	do.	41	11	10	34	14	18	12	24
56	Net ranch income.....	do.	116	86	109	111	50	70	45	50
57	Net ranch production.....	do.	81	25	100	62	15	32	13	30
58	Crop yields per acre.....	do.	101	75	105	90	42	81	48	59
59	Production per hour of man labor.....	do.	120	92	120	109	63	93	66	76
60	Production per unit of input.....	do.	41	46	27	28	66	49	74	65
61	Operating expense per unit of production.....	do.	49	50	30	30	61	45	65	57
62	Total cost per unit of production.....	do.	51	50	48	47	47	50	55	61
63	Power and machinery, January 1.....	do.	42	29	22	31	34	37	43	51
64	Prices received for products sold.....	do.	54	42	34	32	41	48	49	48
65	Prices paid, incl. wages to hired labor.....	do.								

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
4,391 87 4,304	5,035 95 4,940	5,015 106 4,909	5,218 174 5,044	5,468 194 5,274	5,605 211 5,394	5,233 224 5,009	4,959 222 4,737	5,152 216 4,936	4,921 220 4,701	5,249 225 5,024	5,187 211 4,976	5,294 216 5,078	5,327 202 5,125	1 2 3
24.4 24.5 37.5 .6	31.2 21.6 41.6 .6	37.9 22.1 45.3 .7	62.9 27.0 82.8 1.3	76.7 24.6 90.6 2.1	71.5 28.5 113.0 2.0	69.1 29.7 124.6 1.8	72.1 30.1 118.3 1.9	72.4 30.4 111.6 1.9	72.9 30.4 114.6 2.1	81.3 27.6 113.0 3.1	78.8 22.3 108.4 1.5	73.6 26.6 114.0 1.8	76.1 26.8 95.5 3.6	4 5 6 7
913 688 17.0 24 10.3	969 754 16.0 28 10.5	944 671 15.8 31 10.5	955 814 17.7 30 10.3	1,018 968 19.6 37 10.1	1,138 854 21.5 42 10.1	998 912 23.1 44 10.0	984 911 23.6 42 10.0	1,025 911 23.6 40 9.7	976 823 23.5 37 9.3	1,078 822 23.0 37 9.0	1,111 958 24.5 34 9.1	1,085 884 23.7 36 8.6	1,123 912 23.6 40 6.8	8 9 10 11 12
1.2	3.2	2.4	2.4	2.9	3.3	3.9	3.4	4.0	3.5	2.6	4.1	3.4	3.6	13
81	83	82	84	86	84	80	82	84	85	84	75	73	84	14
.46	.47	.50	.54	.60	.66	.69	.70	.75	.80	.86	.96	.98	.99	15
6,390 4,140 2,250	6,690 4,020 2,670	6,530 3,960 3,990	6,290 3,900 3,510	7,410 3,960 4,170	8,130 3,960 3,550	7,510 3,960 2,160	7,210 3,960 3,110	7,370 4,260 2,740	7,100 4,360 3,260	7,600 4,350 3,210	7,650 4,440 3,210	7,550 4,380 3,170	7,610 4,320 3,290	16 17 18
25,330 14,950 1,370 7,890 1,120	25,470 15,580 1,310 7,750 830	25,830 15,250 1,410 8,290 880	27,780 16,340 1,590 9,000 1,200	34,290 19,230 1,950 11,910 2,260	39,810 21,850 2,160 13,540 2,110	37,740 25,590 2,240 9,740 2,710	40,550 25,730 2,370 12,720 3,470	47,220 38,440 3,590 15,250 4,030	56,870 34,210 3,360 20,360 3,970	69,050 46,380 5,026 24,030 4,280	74,310 40,926 5,330 22,350 2,750	68,460 38,030 5,830 35,030 2,790	88,760 45,110 20 21 22	19 20 21 22 23
4,286 0 316 2,134 1,450 106 280	6,130 0 300 2,706 2,359 2,078 124 557	5,948 21 237 306 512 4,601 3,638 3,889 3,367 210 168 555 491	7,837 175 306 512 512 7,143 3,638 3,448 3,735 263 234 612 513	9,810 294 502 3,783 4,601 2,902 9,000 850 1,200	12,471 429 429 303 553 5,611 5,970 3,448 3,735 269 324 324 265	10,471 418 625 680 1,001 5,970 7,587 3,735 3,391 324 384 265 255	11,100 1,198 1,183 1,145 1,145 1,137 1,137 1,037 1,037 393 371 151	13,537 816 832 816 816 1,183 1,183 1,183 1,183 329 381 155	13,009 485 485 485 485 1,092 1,092 1,092 1,092 2,024 2,024 219	15,655 15,227 17,058 17,058 17,058 1,023 1,023 1,023 1,023 2,113 2,113 277	15,227 17,058 28,013 28,013 28,013 1,659 1,659 1,659 1,659 2,575 2,575 30	28,013 909 2,304 2,304 2,304 1,53 1,53 1,53 1,53 1,520 1,520 30	24 25 26 27 28 29 30	
3,179 697 771 54 4 194 236 63 449 385 326	3,346 697 632 55 3 347 265 139 530 427 341	3,864 926 697 51 51 412 280 162 530 461 338	4,271 580 1,158 1,428 1,428 502 382 386 1,459 464 457	4,799 517 993 1,274 1,274 443 407 432 1,533 418 539	5,031 599 993 1,274 1,274 348 426 426 1,786 449 525	5,570 750 750 625 625 574 574 574 1,786 511 525	6,245 718 703 1,194 1,194 426 426 426 1,678 625 502	6,357 884 884 1,189 1,189 843 843 843 1,678 511 532	8,153 1,242 1,242 1,588 1,588 1,226 1,226 1,226 1,564 803 596	10,091 1,242 1,242 1,951 1,951 1,176 1,176 1,176 2,024 709 709	10,095 2,680 2,680 1,149 1,149 1,092 1,092 1,092 2,062 934 744	9,030 1,385 1,385 1,286 1,286 1,092 1,092 1,092 2,062 980 744	13,029 2,275 2,275 2,161 2,161 1,092 1,092 1,092 2,575 1,114 882	31
1,107 310 155 -179	2,784 303 -289 44	2,084 292 336 89	3,566 354 999 77	5,011 418 1,856 -81	7,816 496 -1,427 -171	4,901 492 353 -155	4,864 551 665 258	7,180 597 -775 218	4,856 718 1,857 836	5,564 775 1,900 857	5,332 757 -2,419 -109	8,028 726 1,124 -178	14,984 837 3,278 238	42 43 44 45
1,393 1,381	2,842 1,366	2,801 1,366	4,996 1,454	7,204 1,758	6,714 2,082	5,591 1,896	6,338 2,024	7,220 2,389	8,267 2,888	9,096 3,601	3,361 3,793	9,760 3,560	19,337 4,650	46 47
12 12 -	1,476 1,522 -.37	1,435 1,479 .36	3,542 3,373 .91	5,446 4,538 1,40	4,632 3,457 1,17	3,695 2,621 .93	4,314 2,935 1,07	4,831 2,964 1,13	5,379 2,816 1,23	5,495 2,720 1,26	-432 -220 -.10	6,200 3,131 1,42	14,687 6,800 3,40	48 49 50
30 20 73 30 85 94 46 46 59 36 46	39 41 79 36 88 95 44 43 57 44 44	42 41 71 41 81 88 46 42 61 56 47	58 72 96 92 102 106 46 43 75 64 58	76 104 122 105 123 125 58 58 75 66 63	75 97 108 106 107 112 59 58 77 69 74	72 81 92 115 118 120 59 61 75 69 78	78 84 92 114 115 116 63 66 81 94 94	84 105 120 114 115 116 77 77 109 94 94	98 120 132 112 111 112 97 98 129 106 102	116 132 141 100 112 107 81 98 126 106 102	86 48 141 100 112 107 81 98 126 106 102	120 128 128 128 128 128 98 125 113 114 114	203 52 53 54 55 56 56 57 58 59 60	51 52 53 54 55 56 56 57 58 59 61

TABLE 26.--Sheep ranches, Southwest:

	ITEM	UNIT	1940	1941	1942	1943
1	Land in ranch	Acres	8,287	8,305	8,276	8,330
2	Cropland harvested.....	do.	9	12	11	12
3	Rangeland and pasture.....	do.	8,229	8,245	8,217	8,269
4	Other land.....	do.	49	48	48	49
5	Livestock on ranch, January 1:	Number	1,425	1,472	1,564	1,572
6	All sheep.....	do.	1,251	1,323	1,406	1,288
7	Breeding ewes.....	do.	32.3	35.7	43.0	45.6
8	All cattle.....	do.	105.7	132.3	129.8	127.6
9	Goats.....	do.	9.2	9.8	11.4	11.1
10	Horses.....	do.	20	18	18	24
11	Chickens.....	do.				
12	Lamb crop.....	Percent	68	72	71	65
13	Tractors on ranch.....	Number	.07	.08	.09	.10
14	Total labor used.....	Hours	7,770	8,220	8,760	8,860
15	Operator and family.....	do.	2,880	2,930	3,110	3,460
	Hired	do.	4,890	5,290	5,650	5,400
16	Total ranch capital, January 1.....	Dollars	53,190	57,930	66,820	71,150
17	Land and buildings.....	do.	40,620	43,950	47,340	51,350
18	Machinery and equipment.....	do.	890	940	1,070	1,110
19	Livestock.....	do.	10,530	11,850	17,250	17,350
20	Crops for sale, feed and seed.....	do.	1,150	1,190	1,160	1,340
21	Total cash receipts.....	do.	8,480	11,685	14,358	12,730
22	Sheep and lambs.....	do.	4,179	5,919	6,999	5,132
23	Wool.....	do.	3,192	4,220	4,884	5,863
24	Other livestock and livestock products.....	do.	629	1,366	2,257	1,524
25	Other, including Government payments.....	do.	280	180	218	211
26	Total cash expenditures.....	do.	8,171	8,354	8,461	8,712
27	Feed and grazing fees.....	do.	1,579	1,691	1,970	3,030
28	Livestock purchased.....	do.	2,061	2,158	2,822	1,979
29	Other livestock expense.....	do.	92	116	119	130
30	Crop expense.....	do.	3	3	2	4
31	Machinery purchased.....	do.	168	196	109	157
32	Other machinery expense.....	do.	338	372	374	388
33	Ranch buildings and fences.....	do.	2,332	1,909	544	230
34	Labor hired.....	do.	913	1,150	1,700	1,941
35	Taxes.....	do.	238	255	279	280
36	Other.....	do.	447	504	542	573
37	Net cash ranch income.....	do.	309	3,331	5,897	4,018
38	Value of perquisites.....	do.	257	320	359	384
39	Change in inventory:					
40	Crops and livestock.....	do.	993	1,254	-54	207
	Machinery and buildings.....	do.	1,636	1,158	-315	-688
41	Net ranch income.....	do.	3,195	6,063	5,887	3,921
42	Charge for capital.....	do.	2,744	2,992	3,450	3,755
43	Return to operator and family labor.....	do.	451	3,071	2,437	166
44	Purchasing power in 1937-41 dollars.....	do.	465	2,925	2,031	124
45	Return per hour in current dollars.....	do.	.16	1.05	.78	.05
46	Index numbers (1947-49 = 100):	Percent				
	Gross ranch income.....	do.	57	78	86	78
47	Net ranch income.....	do.	61	116	113	75
48	Net ranch production.....	do.	119	145	137	117
49	Crop yields per acre.....	do.	87	144	102	85
50	Production per hour of man labor.....	do.	89	103	91	77
51	Production per unit of input.....	do.	111	122	117	106
52	Operating expense per unit of production.....	do.	44	44	56	70
53	Total cost per unit of production.....	do.	65	40	51	66
54	Power and machinery, January 1.....	do.	75	80	85	83
55	Prices received for products sold.....	do.	45	57	64	69
56	Prices paid, incl. wages to hired labor.....	do.	45	49	61	73

¹Data not available prior to 1940.

1944	1945	1946	1947	1948	1949	1950	1951	
8,285 13 8,224 48	8,337 12 8,272 53	8,582 9 8,512 61	9,100 9 9,014 77	9,505 8 9,411 85	9,763 8 9,660 95	10,405 9 10,297 99	10,310 10 10,191 109	1 2 3 4
1,536 1,167 56.1 123.7 10.9 30	1,469 1,250 53.4 103.4 10.8 27	1,417 1,169 49.8 94.1 10.8 32	1,349 1,052 40.0 85.2 11.0 24	1,379 1,104 33.2 79.3 10.3 23	1,219 1,062 31.0 77.2 9.4 18	1,275 1,058 36.0 79.4 9.2 19	1,265 985 41.8 75.8 9.0 19	5 6 7 8 9 10
68	70	67	68	65	73	75	60	11
.10	.10	.10	.11	.14	.16	.21	.26	12
8,820 4,220 4,600	6,760 3,180 3,580	6,540 3,050 3,490	6,100 2,810 3,290	6,050 2,700 3,350	5,420 2,600 2,820	5,360 2,630 2,730	5,410 2,660 2,750	13 14 15
74,990 56,040 1,170 16,020 1,760	75,720 57,810 1,190 15,320 1,400	85,570 66,470 1,270 16,070 1,760	100,750 78,240 1,490 18,970 2,050	124,910 97,320 1,910 23,240 2,440	136,630 108,000 2,350 24,310 1,970	152,660 119,310 2,910 28,560 1,880	179,810 135,640 3,350 38,880 1,940	16 17 18 19 20
14,725 6,803 5,583 2,136 203	14,036 6,355 4,932 2,544 205	15,723 7,457 4,808 3,208 250	15,731 7,860 4,526 3,134 211	18,727 10,488 5,195 2,844 200	17,162 10,087 5,328 1,547 200	23,822 15,175 6,411 2,007 229	24,871 10,050 10,448 4,159 214	21 22 23 24 25
7,790 2,002 2,366 132 4 176 414 66 1,785 320 525	7,652 2,615 1,381 124 6 223 472 444 1,638 277 472	10,569 3,596 2,247 131 5 295 528 1,197 1,717 307 546	13,114 3,681 2,269 181 6 568 586 3,132 1,682 375 634	14,053 3,667 2,815 177 7 657 682 3,109 1,852 385 702	12,582 2,358 3,850 152 4 793 741 2,123 1,500 456 605	18,988 3,127 6,101 200 4 884 819 5,248 1,480 497 628	18,728 5,015 2,668 277 5 1,561 866 5,532 1,624 482 698	26 27 28 29 30 31 32 33 34 35 36
6,935	6,384	5,154	2,617	4,674	4,580	4,834	6,134	37
409	410	440	473	498	516	524	683	38
-938 -926	-1,039 -595	-1,135 -162	-468 2,078	-2,832 1,705	1,168 664	150 3,733	-855 4,518	39 40
5,480	5,160	4,297	4,700	4,045	6,928	9,241	10,489	41
3,901	3,933	4,468	5,150	6,271	6,736	7,608	9,296	42
1,579 1,120 .37	1,227 835 .39	-171 -105 -.06	-450 -236 -.16	-2,226 -1,102 -.82	192 98 .07	1,633 825 .62	1,193 552 .45	43 44 45
84 105 135 110 90 118 59 60 81 65 70	79 99 134 87 115 124 59 61 81 66 76	88 82 109 94 97 106 83 80 84 79 86	93 90 103 87 98 104 91 89 87 90 95	96 77 89 95 85 92 112 112 100 103 103	111 133 108 118 117 104 97 99 113 107 102	144 177 107 96 117 101 118 115 131 133 110	145 201 88 97 94 87 136 147 142 166 116	46 47 48 49 50 51 52 53 54 55 56

TABLE 27.--Cattle ranches, northern Great Plains livestock area:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in ranch.....	Acres	2,606	2,668	2,830	2,624	2,561	2,661	2,890	2,883
2	Cropland harvested.....	do.	195	92	202	200	78	127	62	107
3	Rangeland, pasture and miscellaneous.....	do.	2,411	2,576	2,628	2,424	2,483	2,534	2,828	2,776
4	Crops harvested:									
5	Grains.....	do.	56.6	20.5	61.3	44.4	17.8	32.1	14.2	27.6
6	Tame hay.....	do.	76.8	46.9	83.3	98.7	33.6	53.7	26.8	39.7
7	Native hay.....	do.	39.8	22.0	41.9	38.6	22.0	38.3	17.2	32.4
	Other crops.....	do.	21.5	2.6	15.7	18.3	4.3	2.9	3.8	7.1
8	Livestock on ranch, January 1:	Number	140.8	139.8	132.0	140.7	141.4	131.5	129.0	124.2
9	All cattle.....	do.	61.4	60.9	64.9	71.1	65.5	62.7	69.5	64.3
10	Cows and heifers, 2 years old and over.....	do.	46	51	46	47	42	43	29	41
11	Chickens.....	do.	15.5	15.6	14.2	14.5	14.5	13.2	14.4	14.1
12	Horses.....	do.								
13	Pigs raised.....	do.	10.4	11.2	5.8	8.8	5.8	5.0	4.4	4.9
14	Calf crop.....	Percent	74	72	72	72	69	62	68	63
15	Tractors on ranch.....	Number	.31	.34	.34	.35	.35	.36	.41	.48
16	Total labor used.....	Hours	5,150	4,270	4,920	5,230	4,000	4,080	3,640	3,810
17	Operator and family.....	do.	4,100	3,970	4,010	3,990	3,730	3,750	3,480	3,590
	Hired.....	do.	1,050	300	910	1,240	270	330	160	220
18	Total ranch capital, January 1:	Dollars	27,230	22,480	17,160	15,700	16,290	15,710	18,430	18,280
19	Land and buildings.....	do.	16,520	13,650	11,460	10,130	9,520	9,310	9,890	10,290
20	Machinery and equipment.....	do.	1,490	1,530	1,440	1,310	1,290	1,310	1,380	1,480
21	Livestock.....	do.	7,600	5,560	3,360	3,060	2,820	2,960	5,270	4,550
22	Crops for sale, feed and seed.....	do.	1,620	1,740	900	1,200	2,660	2,130	1,890	1,960
23	Total cash receipts.....	do.	3,101	2,079	1,097	1,573	1,373	1,575	1,818	1,275
24	Crops.....	do.	255	0	56	89	0	0	0	32
25	Cattle.....	do.	2,471	1,740	904	1,261	1,117	1,367	1,538	1,032
26	Other livestock and livestock products.....	do.	375	339	137	207	174	129	177	150
27	Other, including Government payments.....	do.	---	---	---	16	82	79	103	61
28	Total cash expenditures.....	do.								
29	Feed and grazing fees.....	do.	1,941	1,550	1,171	1,205	2,044	1,998	3,137	3,211
30	Livestock purchased.....	do.	158	216	61	125	976	714	1,780	1,384
31	Other livestock expense.....	do.	166	54	66	45	22	64	21	124
32	Crop expense.....	do.	17	17	16	18	18	34	17	32
33	Machinery purchased.....	do.	6	6	5	4	2	18	6	4
34	Other machinery expense.....	do.	328	202	109	118	216	305	363	534
35	Ranch buildings and fences.....	do.	195	143	183	159	137	160	160	207
36	Labor hired.....	do.	154	226	44	31	45	74	184	300
37	Taxes.....	do.	219	55	125	138	26	47	23	28
38	Other.....	do.	352	296	280	266	257	251	282	282
39	Net cash ranch income.....	do.	346	335	282	301	345	331	301	316
40	Value of perquisites.....	do.								
41	Change in inventory:	do.	1,160	529	-74	368	-671	-423	-1,319	-1,936
42	Crops and livestock.....	do.	327	-605	370	264	-224	-229	120	465
	Machinery and buildings.....	do.	54	46	-169	-142	-65	0	117	333
43	Net ranch income.....	do.								
44	Net ranch income.....	do.	1,899	261	370	726	-706	-331	-755	-776
45	Charge for capital.....	do.	1,996	1,656	1,224	1,085	1,040	959	1,072	1,041
46	Return to operator and family labor.....	do.	-97	-1,395	-854	-359	-1,746	-1,290	-1,827	-1,817
47	Purchasing power in 1937-41 dollars.....	do.	-84	-1,395	-1,005	-413	-1,782	-1,290	-1,827	-1,764
	Return per hour in current dollars.....	do.	-.02	-.35	-.21	-.09	-.47	-.34	-.52	-.51
48	Index numbers (1947-49 = 100):	Percent	34	16	15	19	13	15	20	19
49	Gross ranch income.....	do.	29	4	6	11	-11	-5	-12	-12
50	Net ranch income.....	do.	100	67	73	93	48	38	37	27
51	Net ranch production.....	do.	85	26	100	62	22	44	15	30
52	Crop yields per acre.....	do.	84	68	65	77	52	40	44	31
53	Production per hour of man labor.....	do.	118	87	91	112	71	57	63	52
54	Production per unit of input.....	do.	37	45	38	30	68	83	98	111
55	Operating expense per unit of production.....	do.	48	57	45	31	56	71	72	83
56	Total cost per unit of production.....	do.	57	59	58	55	53	53	54	58
57	Power and machinery, January 1.....	do.	32	23	20	17	18	29	27	35
58	Prices received for products sold.....	do.	53	50	43	40	50	53	56	53
	Prices paid, incl. wages to hired labor	do.								

Organization, production, costs and returns, 1920-51

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
3,166 120 3,046	3,408 133 3,275	3,559 158 3,401	3,593 226 3,367	3,391 228 3,163	3,537 237 3,300	3,572 246 3,326	3,667 246 3,421	3,686 240 3,446	3,843 244 3,599	3,804 246 3,558	3,754 226 3,528	3,790 244 3,546	3,813 258 3,555
30.7 43.2 35.1 10.6	26.2 36.9 53.3 16.4	40.0 40.2 63.7 13.6	62.5 41.6 105.7 16.6	69.2 40.3 103.1 15.7	72.8 38.8 105.9 17.9	75.3 42.6 107.7 18.7	79.1 41.6 103.4 16.6	79.0 41.9 104.1 16.0	79.8 39.6 102.7 17.8	84.4 33.1 98.3 19.3	85.3 33.1 9.3	78.4 43.9 108.8 12.8	80.5 56.8 108.5 12.5
131.2 72.2 34 15.2	134.2 73.9 35 14.5	137.9 76.0 42 15.1	138.4 71.4 42 14.0	141.0 75.6 50 15.1	138.1 69.8 56 13.7	137.9 69.5 58 13.3	143.2 64.2 55 13.7	139.5 61.2 43 12.5	143.4 66.6 50 11.4	135.9 62.3 49 10.7	141.2 62.2 45 11.1	136.6 62.4 48 10.8	134.1 72.7 47 7.4
5.0	4.4	3.7	3.1	3.8	6.6	8.8	8.1	8.7	7.9	7.8	8.3	7.6	8.1
76	77	76	79	81	80	78	80	74	79	79	77	80	82
.56	.60	.62	.67	.73	.77	.76	.74	.75	.79	.83	.89	.92	.92
4,060 3,670 390	4,100 3,640 460	4,150 3,620 530	4,500 3,600 900	4,660 3,660 1,000	4,710 3,680 1,030	4,850 3,770 870	4,580 3,770 790	4,410 3,620 790	4,440 3,610 830	4,270 3,510 760	4,280 3,530 750	4,290 3,530 760	4,360 3,520 15
20,570 12,140 1,740 5,340 1,350	20,810 11,940 1,770 6,100 1,000	21,670 11,990 1,820 7,000 1,030	22,340 12,310 2,956 2,260 1,080	26,080 13,300 2,420 2,480 1,570	31,740 15,340 2,420 2,570 1,570	32,640 16,780 2,480 2,790 3,220	36,670 20,390 2,570 3,610 9,900	40,980 22,140 2,790 4,600 11,170	54,700 30,960 3,610 4,600 14,450	60,150 34,490 5,500 5,920 16,800	64,050 34,510 5,500 5,920 19,650	59,530 32,480 5,920 6,280 17,140	72,230 37,240 6,280 20 24,490
2,427 0 1,952 295 180	2,515 0 2,114 172 229	3,466 0 2,865 286 315	3,755 0 3,058 191 246	6,377 596 5,003 4,445 361	6,140 993 4,151 4,933 165	5,660 783 4,517 4,933 134	6,815 1,182 9,280 9,280 65	6,579 1,312 9,280 9,280 136	13,742 3,566 7,973 7,973 100	10,114 1,381 7,360 7,360 90	9,075 1,056 7,360 7,360 92	9,329 1,279 11,716 11,716 139	
1,966 574 25 55 6 380 226 85 62 285 268	1,988 496 71 52 4 360 243 95 75 314 278	2,146 498 113 36 8 491 366 120 88 351 278	2,046 260 107 29 14 443 327 87 101 345 278	2,111 193 150 30 9 292 409 111 221 311 311	2,227 197 116 30 9 442 445 176 317 308 370	2,569 134 138 33 11 565 565 519 416 315 386	3,074 147 151 62 12 876 1,209 1,315 452 382 388	4,281 182 154 40 11 1,209 1,326 982 409 409	4,715 185 228 46 26 1,271 1,029 916 421 479	5,222 1,005 203 58 29 1,029 1,029 848 439 530	6,105 474 343 80 31 1,029 1,029 369 439 519	5,076 1,076 1,360 80 31 1,355 1,355 369 595 543	14,061 24 24 25 25 21 22
461	527	1,320	1,709	4,266	3,913	3,091	3,741	2,298	9,027	4,892	2,970	4,253	6,354
354	300	323	351	402	523	458	520	597	909	1,035	924	929	1,113
-182 -16	176 -12	-211 24	539 7	355 -80	29 -211	627 -79	-171 261	1,104 1,221	-2,450 863	1,266 648	-1,114 431	162 -313	2,422 -98
617	991	1,456	2,606	4,943	4,254	4,097	4,351	5,220	8,349	7,841	3,211	5,031	9,791
1,121	1,126	1,157	1,180	1,353	1,690	1,675	1,853	2,083	2,792	3,143	3,276	3,101	3,777
-504 -514 -.14	-135 -139 -.04	299 308 .08	1,426 1,358 .40	3,590 2,992 .98	2,564 1,913 .70	2,422 1,718 .64	2,498 1,699 .67	3,137 1,925 .87	5,557 2,909 .54	4,698 2,326 .34	-65 -33 .02	1,930 975 .55	6,014 2,784 .171
23	27	32	42	64	60	60	64	74	109	111	80	93	158
10	15	23	40	76	66	63	67	81	129	121	50	78	151
57	63	74	89	117	105	109	110	99	117	104	79	86	108
31	37	49	103	126	95	107	105	116	111	104	85	105	100
61	66	77	86	108	97	98	104	97	114	106	80	87	107
74	79	88	100	128	116	119	118	105	116	105	79	85	103
60	56	52	47	40	48	51	54	66	70	93	137	127	137
56	52	47	43	39	52	56	63	73	76	96	128	120	119
65	66	68	70	74	77	78	77	81	90	101	109	114	116
33	34	36	43	52	57	54	59	76	97	110	93	106	131
49	48	48	54	58	65	70	74	78	92	103	105	108	124

TABLE 28.--Cattle ranches, Intermountain region:

	ITEM	UNIT	1930	1931	1932	1933	1934	1935	1936	1937
1	Land in ranch.....	Acres	1,244	1,180	1,216	1,215	1,199	1,236	1,275	1,369
2	Cropland harvested.....	do.	191	200	203	203	192	188	186	182
3	Rangeland, pasture and miscellaneous.....	do.	1,053	980	1,013	1,012	1,007	1,048	1,089	1,187
4	Crops harvested:									
5	Grains.....	do.	12.4	38.4	28.0	32.5	51.6	29.7	26.0	13.9
6	Tame hay.....	do.	75.4	69.0	71.1	68.0	60.3	62.0	68.9	72.1
7	Native hay.....	do.	102.4	91.7	102.6	100.9	78.5	94.3	89.4	94.3
	Other crops.....	do.	.8	1.0	1.4	1.6	1.8	2.0	2.1	2.3
8	Livestock on ranch, January 1:									
9	All cattle.....	Number	212.0	217.0	221.8	221.0	220.1	204.0	203.5	194.0
10	Cows and heifers, 2 years old and over.....	do.	88.8	101.5	103.4	99.9	96.6	97.9	100.6	85.7
11	Chickens.....	do.	37	26	23	23	26	36	33	33
	Horses.....	do.	13.8	15.8	15.8	16.2	16.9	18.9	17.1	15.9
12	Pigs raised.....	do.	.9	1.0	.8	.5	.8	.8	.8	.8
13	Calf crop.....	Percent	74	72	67	70	67	60	66	67
14	Tractors on ranch.....	Number	.12	.15	.16	.16	.16	.17	.20	.23
15	Total labor used.....	Hours	5,310	5,670	5,730	5,770	5,790	5,230	5,120	4,860
16	Operator and family.....	do.	5,310	5,280	5,220	5,190	5,130	5,070	5,040	4,860
17	Hired.....	do.	-	390	510	580	660	160	80	-
18	Total ranch capital, January 1.....	Dollars	33,110	27,590	24,250	19,350	19,790	22,900	24,340	26,170
19	Land and buildings.....	do.	15,510	14,220	12,070	10,240	10,360	10,640	11,190	12,370
20	Machinery and equipment.....	do.	1,550	1,560	1,480	1,370	1,310	1,250	1,260	1,330
21	Livestock.....	do.	14,360	10,010	9,630	6,610	6,420	10,010	11,100	11,690
22	Crops for sale, feed and seed.....	do.	1,690	1,800	1,070	1,130	1,700	1,000	790	780
23	Total cash receipts.....	do.	3,330	2,798	2,229	1,953	2,149	2,698	3,692	3,303
24	Crops.....	do.	-	130	48	88	192	214	71	60
25	Cattle.....	do.	3,169	2,590	2,118	1,787	1,896	2,258	3,367	2,938
26	Other livestock and livestock products.....	do.	161	78	63	78	61	226	195	209
27	Other, including Government payments...	do.	---	---	---	---	---	---	59	96
28	Total cash expenditures.....	do.	1,484	1,232	1,136	1,092	1,259	1,107	1,208	1,241
29	Feed and grazing fees.....	do.	98	105	194	251	257	62	189	106
30	Livestock purchased.....	do.	279	80	56	79	106	105	35	78
31	Other livestock expense.....	do.	27	21	16	16	10	19	21	21
32	Crop expense.....	do.	8	22	4	4	39	16	10	21
33	Machinery purchased.....	do.	285	186	87	75	126	203	240	281
34	Other machinery expense.....	do.	284	311	299	300	343	311	319	302
35	Ranch buildings and fences.....	do.	74	45	23	18	32	50	61	65
36	Labor hired.....	do.	-	72	59	52	67	18	10	-
37	Taxes.....	do.	366	345	356	259	250	280	276	315
38	Other.....	do.	63	45	42	38	29	43	47	52
39	Net cash ranch income.....	do.	1,846	1,566	1,093	861	890	1,591	2,484	2,062
40	Value of perquisites.....	do.	364	309	250	231	271	292	314	325
41	Change in inventory:									
42	Crops and livestock.....	do.	724	598	101	30	-1,200	-300	615	-10
	Machinery and buildings.....	do.	7	-100	-186	-188	-132	-18	32	42
43	Net ranch income.....	do.	2,941	2,373	1,258	934	-171	1,565	3,445	2,419
44	Charge for capital.....	do.	2,183	1,822	1,600	1,278	1,218	1,364	1,393	1,484
45	Return to operator and family labor.....	do.	758	551	-342	-344	-1,389	201	2,052	935
46	Purchasing power in 1937-41 dollars....	do.	654	551	-402	-395	-1,417	201	2,052	908
47	Return per hour in current dollars....	do.	.14	.10	-.07	-.07	-.27	.04	.41	.19
48	Index numbers (1947-49 = 100):									
49	Gross ranch income.....	Percent	38	32	22	19	10	23	29	31
50	Net ranch income.....	do.	34	27	15	11	-2	18	40	28
51	Net ranch production.....	do.	101	94	98	95	62	77	88	84
52	Crop yields per acre.....	do.	89	76	90	85	76	88	90	93
53	Production per hour of man labor.....	do.	91	79	82	79	51	71	83	87
54	Production per unit of input.....	do.	105	94	97	94	63	84	95	94
55	Operating expense per unit of production.....	do.	46	46	42	41	67	45	42	45
56	Total cost per unit of production.....	do.	54	51	41	35	56	45	41	46
57	Power and machinery, January 1.....	do.	89	90	89	85	78	73	73	75
58	Prices received for products sold.....	do.	37	27	21	18	19	31	29	35
	Prices paid, incl. wages to hired labor	do.	61	51	43	39	45	46	49	54

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	
1,520 181 1,339	1,595 183 1,412	1,662 186 1,476	1,720 195 1,525	1,735 194 1,541	1,703 195 1,508	1,697 195 1,502	1,713 196 1,517	1,698 191 1,507	1,623 182 1,441	1,613 181 1,432	1,610 187 1,423	1,658 182 1,476	1,665 174 1,491	1
10.5 73.7 94.4 2.3	31.7 59.8 89.1 2.4	11.3 69.8 102.7 2.5	8.2 78.7 105.1 2.6	15.8 70.6 104.4 2.7	20.0 65.7 106.9 2.8	13.1 67.6 111.2 2.9	15.7 66.8 110.2 3.0	11.8 65.7 110.8 2.9	12.1 66.2 100.7 2.8	12.0 65.8 100.1 2.8	15.7 68.7 100.0 2.7	13.0 66.0 100.0 2.5	14.0 63.0 95.0 2.0	4 5 6 7
188.5 84.5 .33 15.3	195.0 94.0 31 13.7	205.9 100.1 33 15.2	212.1 108.1 39 15.8	216.4 106.9 38 16.1	216.9 106.1 45 16.8	217.1 104.3 42 16.4	213.1 102.7 38 16.8	208.5 97.5 37 16.5	204.8 92.9 44 16.2	203.6 107.9 42 14.1	211.7 103.9 43 13.4	205.8 100.9 40 13.3	209.9 104.4 40 13.3	8 9 10 11
.7	.8	.7	.7	.9	1.0	1.3	.8	.8	1.4	1.2	1.2	1.9	1.9	12
68	69	71	69	73	74	75	72	71	79	77	72	79	81	13
.28	.31	.35	.39	.46	.48	.50	.54	.57	.59	.62	.66	.68	.69	14
4,760 4,760 -	4,970 4,950 20	4,760 4,740 -	5,010 4,560 270	5,090 4,410 530	5,190 4,230 780	5,120 4,050 890	5,050 4,050 1,000	4,850 4,050 800	4,710 4,020 690	4,650 4,020 600	5,000 4,080 920	4,590 4,080 510	4,550 4,020 530	15 16 17
26,630 13,380 1,430 11,150 670	27,770 13,920 14,560 11,440 980	30,080 15,440 15,440 13,080 950	34,600 16,860 1,630 16,520 1,610	40,130 18,220 1,820 21,670 2,040	44,880 20,710 1,950 20,180 3,070	45,800 23,090 2,000 21,760 2,960	49,950 25,010 2,370 24,080 3,100	54,840 27,660 2,550 32,690 3,380	66,610 26,590 2,800 37,850 3,710	70,670 25,610 3,280 32,960 3,430	65,240 26,550 3,760 37,140 3,330	70,640 28,760 3,760 40,980 3,900	77,400 18 19 20 21 22	
2,979 41 2,649 205 84	2,975 49 2,678 89 159	3,663 72 3,344 91 156	4,772 225 4,549 131 92	6,352 43 5,818 159 150	7,297 321 6,515 201 91	6,837 515 7,444 188 134	8,132 723 8,166 9,219 166	9,029 10,424 8,166 9,198 150	10,424 11,687 10,852 10,474 164	11,687 11,079 10,852 12,987 121	11,079 13,205 10,474 12,708 60	13,205 13,502 12,987 12,708 111	13,502 23 24 25 26 27	
1,411 98 276 23 9 262 303 63 - 323 54	1,566 97 298 157 27 294 358 351 62 3 340 54	1,492 107 156 221 41 408 203 403 69 45 360 59	1,725 117 135 221 48 196 269 441 84 122 363 93	1,737 117 159 171 52 196 269 441 84 332 343 98	1,922 159 171 209 54 196 269 441 84 332 343 98	2,084 171 235 209 37 342 296 502 544 412 363 106	2,248 170 165 203 60 342 470 546 578 363 116	2,301 165 203 218 59 342 470 546 737 345 120	2,736 203 222 53 53 718 680 737 844 375 113	3,053 218 222 53 53 718 680 737 844 563 102	3,648 203 529 53 55 680 737 844 913 352 109	4,024 258 849 71 75 680 737 844 913 405 117	4,870 377 849 30 31 737 33 34 232 405 37 38	28 29 29 30 31 32 33 34 35 36 37 38
1,568	1,409	2,171	3,047	4,615	5,375	4,753	5,884	6,728	7,688	8,634	7,431	9,181	8,632	39
313	301	307	350	467	466	544	514	591	737	905	821	875	1,055	40
537 19	483 3	320 33	1,105 76	316 -96	-364 -140	-257 -79	485 -57	-478 -44	457 -47	900 23	-1,730 178	-787 -16	4,790 -20	41 42
2,437	2,196	2,831	4,578	5,302	5,337	4,961	6,826	6,797	8,835	10,462	6,700	9,253	14,457	43
1,464	1,375	1,475	1,683	1,955	2,171	2,228	2,373	2,566	3,059	3,259	3,003	3,372	3,804	44
973 993 .20	821 846 .17	1,356 1,398 .28	2,895 2,757 .61	3,347 2,789 .73	3,166 2,363 .72	2,733 1,938 .65	4,453 3,029 1,10	4,231 2,596 1,04	5,776 3,024 1,44	7,203 3,566 1,78	3,697 1,886 .91	5,881 2,970 1,44	10,653 4,932 2,65	45 46 47
33 28 93 95 94 100 45 41 77 32 48	32 25 92 87 79 85 57 48 78 34 53	36 33 93 93 94 96 49 44 81 36 54	53 55 115 101 110 113 51 41 91 43 57	61 61 111 97 105 108 60 50 92 52 59	63 62 108 95 99 104 65 66 92 57 63	61 57 104 95 98 103 67 66 93 55 66	69 68 109 94 103 102 72 75 94 62 70	78 78 104 99 103 106 86 75 91 75 81	99 102 104 100 103 105 86 89 91 93 95	115 121 106 99 105 106 106 97 103 93 100	86 77 90 101 109 106 86 97 114 110 105	113 107 92 95 96 88 87 122 123 97 100 105	165 167 111 95 117 103 136 123 119 147 121	48 49 50 51 52 53 54 55 56 57 58

TABLE 29.--Cattle ranches, Southwest:

	ITEM	UNIT	1940	1941	1942	1943
1	Land in ranch.....	Acres	7,676	7,815	7,781	7,954
2	Cropland harvested.....	do.	18	28	21	25
3	Irrigated.....	do.	3	4	6	8
4	Nonirrigated.....	do.	15	24	15	17
5	Rangeland and pasture.....	do.	7,538	7,683	7,655	7,829
6	Other land.....	do.	120	104	105	100
7	Livestock on ranch, January 1:	Number				
8	All cattle.....	do.	213.0	216.0	219.8	221.7
9	Cows and heifers, 2 yrs. old and over.....	do.	131.2	142.7	144.8	141.7
10	Chickens.....	do.	27	23	23	29
	Horses.....	do.	11.4	11.7	12.0	11.5
11	Pigs raised.....	do.	0.6	1.9	3.2	1.2
12	Calf crop.....	Percent	73	74	79	74
13	Tractors on ranch.....	Number	.08	.09	.10	.12
14	Total labor used.....	Hours	4,050	4,190	4,190	4,240
15	Operator and family.....	do.	2,000	2,010	2,110	2,260
16	Hired.....	do.	2,050	2,180	2,080	1,980
17	Total ranch capital, January 1.....	Dollars	35,780	41,020	46,300	52,600
18	Land and buildings.....	do.	25,860	30,380	32,650	36,210
19	Machinery and equipment.....	do.	940	1,030	1,150	1,220
20	Livestock.....	do.	7,870	8,530	11,410	13,810
21	Crops for sale, feed and seed.....	do.	1,110	1,080	1,090	1,360
22	Total cash receipts.....	do.	3,985	5,434	7,430	6,084
23	Beef cattle.....	do.	3,646	5,171	7,018	5,865
24	Other livestock and livestock products.....	do.	65	37	231	42
25	Crops.....	do.	0	0	0	0
26	Other, including Government payments.....	do.	274	226	181	177
27	Total cash expenditures.....	do.	4,779	4,329	4,877	5,145
28	Feed and grazing fees.....	do.	1,155	1,063	1,060	1,472
29	Livestock purchased.....	do.	573	660	1,109	688
30	Other livestock expense.....	do.	25	27	30	30
31	Crop expense.....	do.	5	5	3	8
32	Machinery purchased.....	do.	167	193	159	168
33	Other machinery expense.....	do.	355	445	435	480
34	Ranch buildings and fences.....	do.	1,699	1,225	931	902
35	Labor hired.....	do.	353	218	616	632
36	Taxes.....	do.	228	256	282	302
37	Other.....	do.	219	237	252	263
38	Net cash ranch income.....	do.	-794	1,105	2,553	939
39	Value of perquisites.....	do.	451	489	520	599
40	Change in inventory:					
41	Crops and livestock.....	do.	316	111	-206	168
	Machinery and buildings.....	do.	1,403	885	458	343
42	Net ranch income.....	do.	1,376	2,590	3,325	2,049
43	Charge for capital.....	do.	1,862	2,126	2,391	2,793
44	Return to operator and family labor.....	do.	-486	464	934	-744
45	Purchasing power in 1937-41 dollars.....	do.	-501	442	778	-555
46	Return per hour in current dollars.....	do.	-.24	.23	.44	-.33
47	Index numbers (1947-49 = 100):					
48	Gross ranch income.....	Percent	36	46	59	52
49	Net ranch income.....	do.	24	45	58	36
50	Net ranch production.....	do.	86	98	111	96
51	Crop yields per acre.....	do.	70	130	101	80
52	Production per hour of man labor.....	do.	84	92	104	90
53	Production per unit of input.....	do.	96	106	111	101
54	Operating expense per unit of production.....	do.	50	47	55	68
55	Total cost per unit of production.....	do.	45	45	51	66
56	Power and machinery, January 1.....	do.	83	86	90	91
57	Prices received for products sold.....	do.	37	46	54	54
	Prices paid, incl. wages to hired labor.....	do.	46	51	60	70

¹Data not available prior to 1940.

Organization, production, costs and returns, 1940-51¹

1944	1945	1946	1947	1948	1949	1950	1951	
7,762 26 9 17 7,642 94	7,324 25 9 16 7,208 91	7,277 22 8 14 7,172 83	8,332 18 7 11 8,242 72	8,418 22 8 14 8,343 53	8,197 16 7 9 8,141 40	8,870 19 8 11 8,814 37	8,621 19 8 11 8,565 37	1 2 3 4 5 6
220.8 150.9 35 11.7	218.6 152.7 32 11.4	219.4 145.4 36 11.5	218.0 149.9 30 12.1	214.2 144.8 27 11.1	213.3 146.6 21 10.2	218.8 145.0 23 10.9	224.2 148.4 28 9.7	7 8 9 10
2.8	3.1	1.4	3.1	4.0	2.7	3.0	3.7	11
71	79	73	72	75	78	79	76	12
.12	.13	.16	.19	.26	.29	.33	.41	13
4,350 2,360 1,990	4,070 2,490 1,580	4,060 2,460 1,600	4,040 2,480 1,560	3,930 2,460 1,470	3,880 2,450 1,430	3,920 2,390 1,530	3,940 2,420 1,520	14 15 16
54,870 38,890 1,260 12,930 1,790	54,160 37,980 1,300 13,280 1,600	63,670 45,950 1,390 14,440 1,890	83,520 62,070 1,640 17,850 1,960	100,250 73,200 1,960 22,880 2,210	108,950 78,050 2,330 26,590 1,980	117,860 86,480 2,670 26,480 2,230	134,190 91,780 2,850 37,010 2,550	17 18 19 20 21
6,059 5,683 115 57 204	7,528 7,146 95 79 208	8,798 8,478 69 25 226	11,493 11,040 262 14 177	13,409 12,596 209 99 105	11,923 11,527 157 0 139	15,294 14,868 152 116 158	18,247 17,730 87 276 154	22 23 24 25 26
5,456 1,401 883 32 7 205 516 1,083 750 307 272	6,101 1,863 1,078 35 11 257 546 1,136 608 306 261	7,566 2,417 1,664 32 10 347 564 1,230 640 352 310	7,778 2,587 1,396 40 10 464 626 1,167 694 643 480 365	7,780 2,575 1,485 48 12 632 680 694 713 532 409	7,267 1,979 1,309 58 6 563 707 1,009 661 595 380	7,883 2,462 1,093 67 6 574 763 1,232 711 570 405	11,266 4,312 2,416 82 7 892 815 967 795 545 435	27 28 29 30 31 32 33 34 35 36 37
603	1,427	1,232	3,716	5,629	4,656	7,411	6,981	38
570	579	637	728	768	772	757	952	39
-92 460	-121 449	-8 563	-674 370	-23 -56	1,008 200	587 428	987 313	40 41
1,541	2,334	2,424	4,140	6,318	6,636	9,183	9,233	42
2,872	2,827	3,328	4,283	5,082	5,460	5,948	7,041	43
-1,331 -944 -.56	-493 -335 -.20	-904 -555 -.37	-143 -75 -.06	1,236 612 .50	1,176 600 .48	3,235 1,634 1.35	2,192 1,015 .91	44 45 46
50 27 102 107 93 105 71 69 91 50 77	61 41 107 82 104 111 72 68 90 56 80	72 43 98 95 95 103 92 83 92 69 89	88 73 95 87 92 96 101 96 93 88 97	108 111 96 98 97 97 109 108 99 112 105	104 116 109 115 111 107 100 96 108 100 98	127 161 104 100 105 100 103 110 112 132 108	154 162 .97 96 97 95 141 136 114 152 127	47 48 49 50 51 52 53 54 55 56 57