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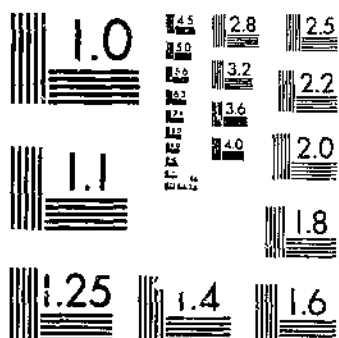
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COSTS AND RETURNS ON COMMERCIAL FARMS LONG-TERM STUDY, 1954-63

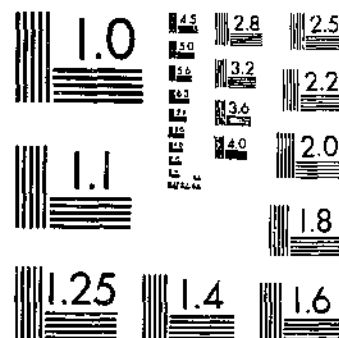
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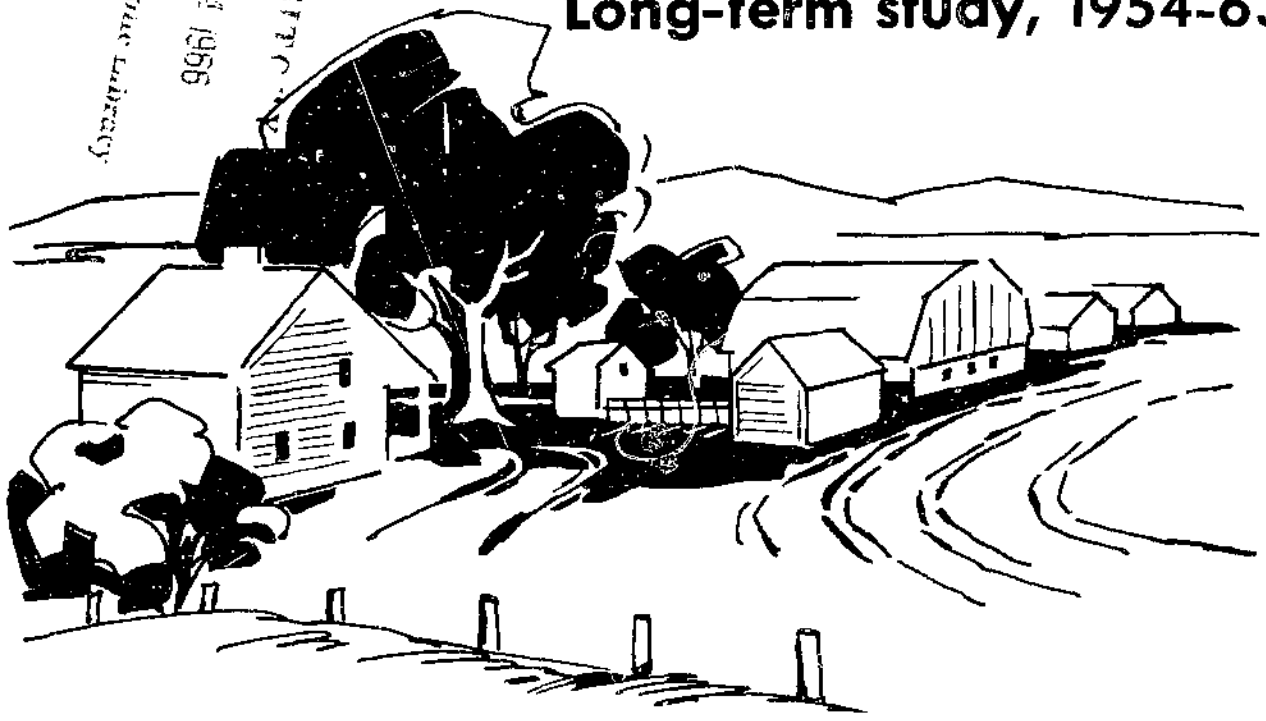
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COSTS AND RETURNS ON COMMERCIAL FARMS, LONG-TERM STUDY, 1954-63

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INTRODUCTION

This statistical report gives summary estimates of costs and returns and related data for 42 important types and sizes of commercial farms in 24 major farming areas in the United States. Each of the farm series reported here represents an important segment of agriculture in the respective area. The location of each type of farm studied and reported upon is shown in figure 1. In this publication statistics are reported for each of the series for the period 1954 to 1963. Earlier data for series which began prior to 1954 may be obtained in Costs and Returns on Commercial Farms, Long-Term Study, 1930-57, Statistical Bulletin 297, or by writing the Farm Production Economics Division, Economic Research Service, U.S. Department of Agriculture, Washington, D.C. 20250. Data for 1964 can be obtained in Agriculture Information Bulletin 230, revised August 1965.² It is the 19th annual report of this kind.

During the years in which the costs and returns series were developed, revisions were made from time to time because more reliable data and information became available, or to provide wider coverage

or better representation of farming in a specified area. Minor changes were made in methods of reporting, handling inventory and sales, of estimating investments in farm assets, and calculating charges for capital. As a result, estimates released over the years in the various publications were not always comparable.

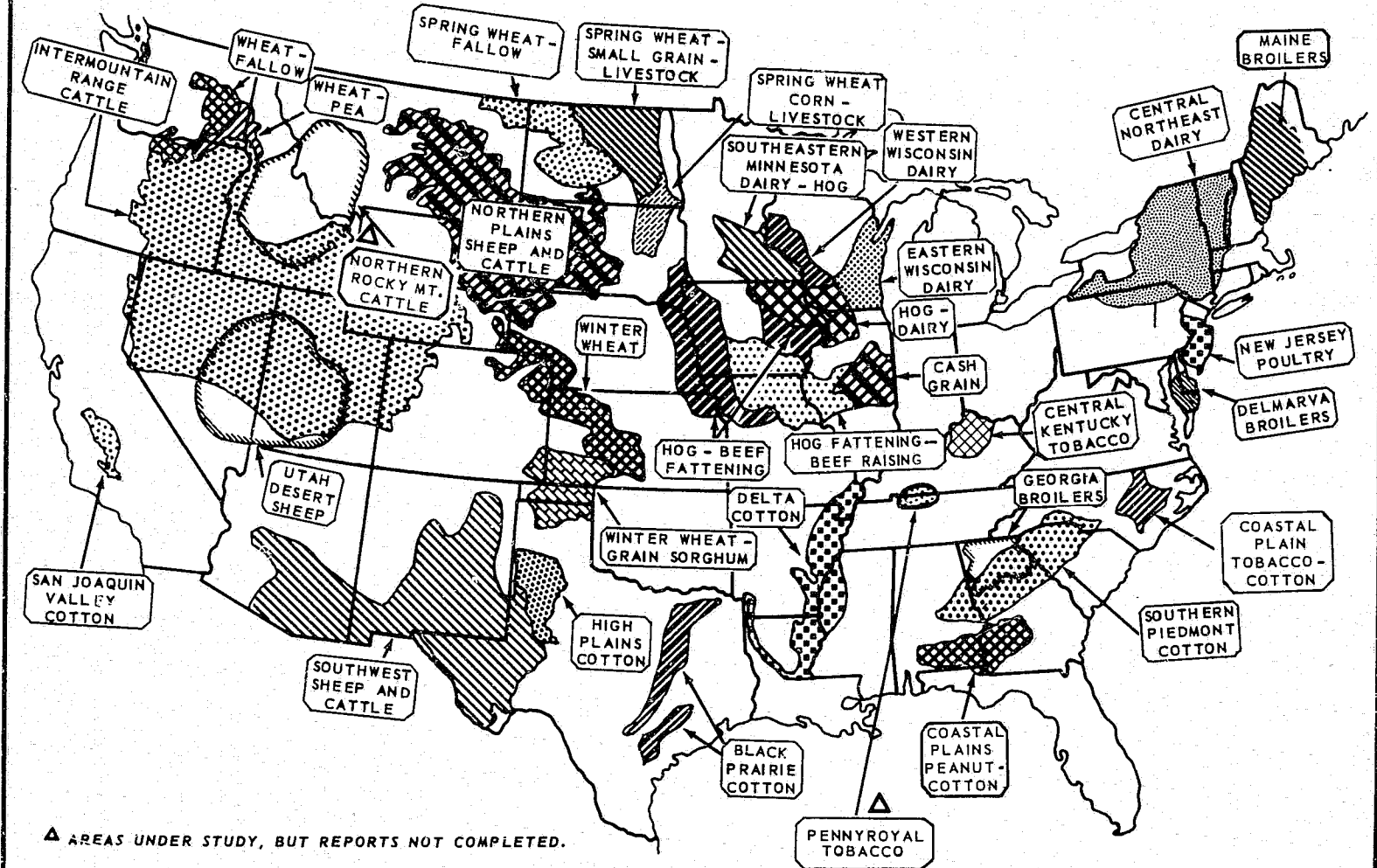
The information on some types of farms begins with 1930. For others, data begins later depending upon the time the study was undertaken, the accessibility of data, whether or not estimates for earlier years were believed to be worth the extra cost, and whether or not at the beginning date farmers and ranchers were experiencing unusual weather or unusual economic conditions. For example, the series on irrigated cotton farms in the High Plains area of Texas goes back only to 1944 because irrigation of cotton was not common in this area before that date; but the series on nonirrigated farms in the same area goes back to 1937. The most recent series, that on Delmarva broilers, goes back to 1957, the beginning of the current base period 1957-59.

A major objective of this publication is to bring under one cover comparable estimates for each series for the period 1954 through 1963 or from the beginning date of the series if it began after 1954. Estimates in this report are also comparable with those in Agriculture

¹ Agricultural Economist and Statistical Assistant, respectively.

² Goodsell, W. D., and others. Farm Costs and Returns, Commercial Farms by Type, Size, and Location. U.S. Dept. Agr., Agr. Inform. Bul. 230, 97 pp., illus., rev. Aug. 1965.

LOCATION OF TYPES OF FARMS STUDIED



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NEG. ERS 133-65 (11) ECONOMIC RESEARCH SERVICE

FIGURE 1

Information Bulletin 230, revised, August 1965.

The respective series for each type and size of farm is expected to be continued and reported upon annually in the future as in the past. Additional studies are underway and preliminary plans have been made to undertake new ones. No doubt others will be initiated from time to time, and additional reports will include more comprehensive and detailed analyses than are possible in this publication or than have been made for most of these farm situations thus far.

Although each type of farm differs from others in location, organization, size, productivity, income, and many other important characteristics, essentially the same general procedures and methods were used in sampling, collecting, assembling, processing, and analyzing the data for all types. Consequently, the data for the various types of farms are generally comparable

For example, investment per farm, receipts, expenditures and net returns, and index numbers for 11 important summary measures of operator and management performance are given for each type of farm. These include such measures as gross farm income, net farm income, net farm production, crop yields (range condition on Western livestock ranches), production per

man-hour of labor, production per unit of input, operating expense per unit of production, total cost per unit of production, quantity of power and machinery, prices received for products sold and prices paid for items used in production including wages to hired labor. These summary measures as well as many other items may be compared among types of farms or from year-to-year on the same type of farm. For example, cotton farms may be compared with 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 can be seen how operators of a particular type of farm have fared in relation to operators of other types of farms.

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 debt involved, or in the landlord-tenant relationships among areas or types of farms. However, 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.

SOURCE OF DATA, AND GENERAL PROCEDURE

The major sources of data for these costs and returns series are (1) the U.S. Census of Agriculture, (2) rural carrier and mailed questionnaires sent to farmers by the Agricultural Estimates Division, Statistical Reporting Service, (3) enumerative field surveys, and

(4) results of research and related data from State experiment stations and Federal agencies when data for individual farms are available or when group data meet the specifications for farms by types, size, and location. In the main, data for individual farms of a particular type

and size are used. Data on production rates, prices, interest and tax rates, and related items for local areas which do not differ greatly by size of farm, are used.

Information from other sources is 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, U.S. Department of Interior, and the Forest Service; Agricultural Stabilization and Conservation work data; and special farm-production and financial schedules from private agencies.

Published census data supplemented by special tabulations of census schedules classified by type and size of farm provide general background and descriptive information on the agriculture of the area and the characteristics of the type of farming studied. The census data are analyzed in considerable detail to ascertain how the particular farms studied fit into the area universe and 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; numbers of important machines; gross value of product; expenditures for certain items; and investment, farm facilities, and related information.

The basic organization of the farm or ranch is determined by detailed

tabulations of a special sample of 200 to 400 representative census questionnaires for each census year. Only commercial farms of a given type within the size range are included in these tabulations.

The special tabulation of census questionnaires and of other available information is supplemented by data obtained from enumerative surveys. However, because the vast amounts of data from the census and other sources are analyzed in detail, extensive field surveys are not necessary.

For the most part, these enumerative surveys are designed to furnish information not available from other sources or to obtain information on items for which additional or supporting data are needed. Areas of information usually cover such items as production methods and practices, man labor, seed and feed requirements, power, machinery, and materials used, contract work hired, inventories of machinery and related items, and cash expenditures for certain items not obtainable elsewhere.

In some areas, field questionnaires have been obtained only once in the last few years, whereas in other areas, surveys have been repeated. In a number of instances, particularly where State Experiment Stations are formally cooperating, surveys are made annually. The goal has been to obtain this type of information in each area often enough to keep abreast of changes in practices and resource inputs.

The basic organization of the particular type of farm or ranch is established for particular years by the census and by field-survey data. Knowledge of the respective farm or ranch organization for interim years

is obtained largely through the use and interpretation of information on annual change in specified items from rural carrier and mailed questionnaires sent to farmers by the Agricultural Estimates Division, Statistical Reporting Service, as a part of its regular crop- and livestock-reporting work, and from other related data and surveys.

A number of States have assessor's censuses that throw considerable light on annual change in farm organization, land use, and trends in livestock numbers. Data from other special surveys are used also if they meet the requirements or can be adjusted to fit the particular type and size of farm. 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?

Generally a sample of 80 to 150 rural carrier or mailed questionnaires is selected and 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 items 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 acreage in each crop and in numbers of each type and class of livestock. These percentages of change for each size group or type of farm or ranch are compared with changes obtained from other sources. They are then applied to the basic farm organization to establish year-to-year changes in the 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 for measuring annual change 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 counties, crop-reporting districts, groups of crop-reporting districts, and States have been compared and tested statistically. Prices differ by season, quality of product, and location; but they differ little, if any, by type or size of farm in the same general area. Prices of farm products on specific types of farms can be expected to go up and down with prices received for farm products of a given quality and in a specified season in the area. In many instances, either State prices adjusted for local differences and seasonality of sales or adjusted prices for groups of crop-reporting districts are used. Prices apply to the time or season sales or purchases are made on the particular type of farm or ranch.

Crop yields are obtained for individual farms in the census and in the acreage and production surveys of the Agricultural Estimates Division, Statistical Reporting 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 or ranch. If county yields differ consistently or logically from census data for the

specified type of farm in the respective years, these differences generally are maintained in the series.

Frequently, however, the county or district data are used as guides in estimating year-to-year changes in crop yields. They are not used to measure level of yields. Many factors, such as irrigation, use of fertilizer, crop rotation, and basic productivity of land must be considered in determining the level of crop yields. In a few instances, such as the High Plains of Texas, where series are carried for irrigated and nonirrigated farms, individual farm reports are tabulated to obtain crop yields that are appropriate for the particular type of farm.

After the physical organization of the farm (size of farm, land use, crop acreages, and livestock numbers by type and class) 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 those consumed by the farm family are also available from such sources.

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 enumerative surveys, farm-man-

agement 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 enumerative field surveys. Many government and private agencies have contributed valuable data. Each year, for example, the Production Credit Division of the Farm Credit Administration and many private lending agencies obtain information from borrowers.

Generally, it is possible to relate this information 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 animal-unit or per unit of output basis, and they apply to a wide range in size of operating units. Information not on an input-output basis can be applied only within a given type and range of size. When data from these sources are drawn from farms and ranches of approximately the same type and size as represented in the series, they aid greatly in supplying check data and information on inputs and output.

Field surveys are resorted to when certain estimates require verification, when practices and farming methods are changing rapidly, or when information is not available elsewhere. Information on such items as expenditures for new buildings and building repairs, purchase and repair of machinery, and fertilizers, insecticides, fungicides, weed-killers, and other farm production supplies is obtained almost exclusively from enumerative field surveys.

Some agencies obtain certain types of information through their regular projects. For several years, the Farm Production Economics Division, Economic Research Service obtained information from several thousand farmers and ranchers. Many of the questionnaires used in these surveys obtained detailed information on cropping practices,

man labor, power, machinery and material requirements, and custom work hired, by specified crops. In addition, information has been obtained on inventory of farm machinery, age, model, purchases, sales, repairs, and depreciation of machines, fuel and oil used by specified machines, and expenditures for certain other items.

TERMS USED

The details of reporting and the analyses of data in the costs and returns series are far more comprehensive and detailed than can be reported here. Basic estimates on land use, crop yields and production, livestock numbers and production, labor and material requirements, investment, income, expenses, and related items are carried in considerable detail. Accepted farm-management terms and methods of analyses are used so far as they are consistent and practical for these purposes. All enumerative field surveys made in connection with these series are made using accepted probability sampling procedures.

COMMERCIAL FARMS

By definition, commercial farms in 1964 and 1959 were farm units with gross value of sales in excess of \$2,499, plus farm units with gross value of sales between \$50 and \$2,500, provided the operator was under 65 years of age and did not work off the farm as much as 100 days during the year and provided also that off-farm income of family members did not exceed the value of farm products sold. The definition in 1954 and earlier years differed only slightly.

In the costs and returns series, however, all units with farm sales of less than \$1,200 were eliminated and units with small acreages of crops were omitted except when poultry was the important enterprise. Considerable emphasis was placed on other related criteria to assure that the farms and ranches included were bona fide commercial units.

In some areas, such as the Mississippi Delta, where the range in size of operations for a specific type of farm is considerable or where operations and internal characteristics differ by size and no one size of farm is considered typical or representative, size-type operations are studied. For example, in the Mississippi Delta both small and large-scale cotton farms are studied and medium-sized and large cotton-general crop farms are studied in the San Joaquin Valley of California.

Sharecropper farms have become far less numerous in recent years. These and other tenant operations under close supervision of farm operators are not considered as separate farms but as parts of multiple units. In the analyses, these croppers and tenants are treated as hired laborers who receive payment in kind. Commercial farm units are described in greater detail in The

Journal of Farm Economics for November 1948³, and in publications of the U.S. Census of Agriculture.

The information presented here by type of farm, therefore, represents an average operator's performance in the specified group, his use of land, and choice of crop and livestock organization, and of his costs, returns, and related items. Similarly, information for size of farm within the type of farm considered represents 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 farmland, fallow, idle, in feed grain, conservation reserve or related government programs, pasture, woodland, wasteland, house yards, barnyards, feedlots, roads, lanes, and fences, operated under one unit from a given farmstead or ranch headquarters and with a given livestock 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 as part of the land operated. It is included, however, in farm expenditures as feed bought, grazing fees 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.

³Bachman, K. L., Ellickson, J. C., Goodsell, W. D., and Hurley, R. Appraisal of Economic Classification of Farms. Jour. Farm Econ. 30:680-702, 1948.

CROPLAND HARVESTED

Cropland harvested includes land from which cultivated crops are harvested; land from which grains and hay (including wild hay) are 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 on acreages and enterprises of the size found on these farms and with prevailing technology. It also includes regular farm labor (non-contract) used in the 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. No attempt is made to separate management from labor on these farms and ranches.

TOTAL FARM CAPITAL

This is the estimated current value on January 1 of land operated in this farm or ranch unit, 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 the respective prices at which the commodity could have been sold. Crop inventory includes only the portion of the crops to be used for feed and seed, including seed planted in annual crops to be harvested the

next year. 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 livestock and livestock products and from Agricultural Conservation Program payments, plus other government payments, such as feed grain program, conservation reserve program, cotton allotments, wheat certificates, etc., earned and receipts from sales of crops produced in the current year.

CASH EXPENDITURES

Cash expenditures include the total amount of cash paid during the calendar year for goods and services used in production. An exception is made in the purchase of feeder cattle on hog-beef fattening farms in the Corn Belt. On these farms, feeder cattle are purchased each October and are fattened and sold in the following autumn. To avoid difficulties in estimating price margins and calculating production costs and generally in accounting between lots of feeder cattle, the costs of purchasing a given lot of feeder cattle are carried forward to the year (one year) in which it is sold.

As these costs and returns series are considered on an owner-operated basis, rent and interest payments are not included. Purchases of additional land are considered as capital outlays and are not included as cash expenditures.

NET CASH FARM INCOME

Net cash farm income is the difference between cash receipts and cash expenditures. It is the estimated net amount of cash excluding rent and interest received by the farm operator and unpaid members of his family for the year's operation of the entire farm.

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 (prices at which they could have been sold), 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 the beginning inventory on January 1 to the closing inventory on December 31 of specified crops held for feed and seed valued at the season average price for which the products could have been sold, plus livestock numbers by type and class, with each valued at the respective year-end price.

For crops, it is bushels, hundred-weight, or tons of a given crop held for feed and seed in the closing inventory, minus the physical quantity in the beginning inventory, multiplied by the price for which the respective crop could have been sold in the year just concluded. Seed planted in annual crops to be harvested the following year are also included in inventory.

For livestock, it is the number in the closing inventory, minus the number in the beginning inventory, multiplied by the year-end value per head of the respective type and class of livestock.

An exception is made for feeder cattle purchased on hog-beef fattening farms in the Corn Belt. The cost of feeder cattle purchased is carried as an expense in the year they are sold (see page 9). Therefore, no inventory change is estimated for them. They are accounted for in the same way as expenditures for items such as fertilizer, pesticides, or feed.

Changes in inventory of crops and livestock are carried on the income summary. Increases are carried as credits and thus increase gross farm income for the year; but, decreases in inventory reduce gross income in the respective year (table 1).

Machinery and buildings-- This includes changes in inventory of motor vehicles (excluding automobiles), other farm machinery, service buildings, fences, and improvements. Inventory change of these items is obtained by subtracting annual depreciation from current purchases of the respective item or group of items.

If current purchases exceed annual depreciation, there is an increase in inventory, and if depreciation exceeds current purchases, inventory is decreased by that amount. The change in inventory of these items is entered in the expense summary (lines 56 to 65 table 2). An increase in inventory is carried as a debit and thus reduces the farm expense by the amount of the increase. That is, an increase in

inventory of a depreciable item reduces TOTAL FARM EXPENSE by that amount.

The farm automobile has a dual role--part farm business and part nonfarm use. Some farmers have more than one automobile. In these analyses, a portion of the expense for one automobile is charged to the farm business. The remainder is considered the personal or nonfarm expense of the operator and his family. The farm share of operating costs and depreciation of the farm automobile is carried in farm production expenses (table 2).

In these analyses then, gains or losses of income resulting from changes in prices of inventory items are avoided by valuing at year-end or current-year prices the differences in physical quantities between closing and beginning inventories.

NET FARM INCOME

Net farm income 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 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". Buildings include service buildings and improvements. The operator's dwelling is not included, except that its net rental is included as a perquisite.

Purchasing power in 1947-49 dollars-- This is the current net farm income divided by the U.S. index of prices paid for all commodities used in family living, 1947-49 = 100.

TABLE 1. --Gross farm income and gross farm production, irrigated cotton farms, High Plains, Texas, 1963

	Item	Quantity ¹		Price per unit ¹		Value ¹	
		Unit	Q ₁	P ₁	P ₀	Q ₁ P ₁	Q ₁ P ₀
	Cash receipts:						
	Sales:			Dollars	Dollars	Dollars	Dollars
1	Cotton lint.....	Pound	76,318	0.304	0.301	23,201	22,972
2	Cottonseed.....	Ton	53.3	52.75	43.12	2,812	2,298
3	Grain sorghum.....	Cwt.	3,203	1.74	1.51	5,573	4,837
4	All crops.....	---	---	---	---	31,586	30,107
5	Cattle.....	Cwt.	10.53	20.15	21.22	212	223
6	Hogs.....	do.	9.32	16.61	18.75	155	175
7	All livestock.....	---	---	---	---	367	398
8	Eggs.....	Dozen	160	.364	.343	58	55
9	Customwork.....	Hour	18	4.15	4.16	75	75
10	Government payments.....	---	---	---	---	1,074	---
11	Total cash receipts.....	---	---	---	---	33,160	30,635
	Farm products used in home:						
12	Beef.....	Cwt.	1.65	20.15	21.22	33	35
13	Pork.....	do.	2.20	16.61	18.75	37	41
14	Chickens.....	Pound	135	.087	.129	12	17
15	Butterfat.....	do.	98	1.06	1.08	104	106
16	Eggs.....	Dozen	114	.364	.343	41	39
17	Garden.....	Dollar	32	² 2.50	2.37	80	76
18	Net house rent.....	Number	1	---	---	516	---
19	Total perquisites.....	---	---	---	---	823	314
	Change in inventory:						
20	Milk cows.....	Number	0	149.00	144.00	0	0
21	Other cattle.....	do.	.1	105.00	103.00	10	10
22	Hogs.....	do.	.4	19.60	20.48	8	8
23	Chickens.....	do.	-2	.84	1.05	-2	-2
24	Cottonseed.....	Ton	.2	52.75	43.12	11	9
25	Grain sorghum.....	Bushel	-6.44	1.74	1.51	-11	-10
26	Roughage.....	Ton	.6	23.79	20.06	14	12
27	Total.....	---	---	---	---	30	27
28	Gross farm income.....	---	---	---	---	34,013	---
29	Gross farm production.....	---	---	---	---	---	30,976

¹ Q₁ is quantity in current year; P₁ is price in current year; P₀ is price in the base period (1957-59); Q₁ P₁ is the current quantity times the current price and Q₁ P₀ is current quantity times price in the base period. ² An index (1939=100) derived from a weighted average index of U.S. prices received per ton of commercial vegetables for fresh market and per bushel of Irish potatoes. For source of data for series see Agricultural Statistics, published annually by the U.S. Department of Agriculture.

TABLE 2. --Production expenses and inputs, irrigated cotton farms,
High Plains, Texas, 1963

	Item	Quantity ¹		Price per unit ¹		Value ¹	
		Unit	Q ₁	P ₁	P ₀	Q ₁ P ₁	Q ₁ P ₀
	Cash expenditures:						
	Feed bought:			<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1	Mixed dairy feed.....	Cwt.	2.22	3.58	3.60	8	8
2	Poultry mash.....	do.	10.46	4.38	4.45	46	47
3	Protein supplement.....	do.	13.03	4.24	3.56	55	46
4	Total.....	---	---	---	---	109	101
	Labor:						
5	Hired day labor.....	Day	232.8	7.00	6.28	1,630	1,462
6	Pulling cotton.....	Cwt.	284	1.61	1.60	457	454
7	Pulling and hauling cotton	do.	252	1.99	1.82	501	459
8	Total.....	---	---	---	---	2,588	2,375
	Livestock expense:						
9	Baby chicks.....	100 chicks	.34	25.20	24.88	9	8
10	Other livestock expense...	Dollar	² 30	³ 1.01	1.00	30	30
11	Total.....	---	---	---	---	39	38
	Seed bought:						
12	Cotton.....	Cwt.	21.79	10.70	10.66	233	232
13	Sorghum.....	do.	9.17	10.52	10.35	96	95
14	Sudan.....	do.	.88	11.90	7.62	10	7
15	Total.....	---	---	---	---	339	334
	Poison bought:						
16	Defoliant.....	Acre	24	3.28	3.26	79	78
17	3-5-40.....	Pound	1,982	.070	.088	139	174
18	Di Syston.....	Acre	29	3.60	3.60	104	104
19	Total.....	---	---	---	---	322	356
	Fertilizer and supplies:						
20	16-20-0.....	Cwt.	33.70	4.70	4.67	158	157
21	Anhydrous ammonia.....	do.	101.18	7.00	7.66	708	775
22	Phosphoric acid.....	do.	17.66	8.00	8.00	141	141
23	Other crop expense.....	do.	² 80	³ 1.01	1.00	81	80
24	Total.....	---	---	---	---	1,088	1,153
	Power and machinery:						
	Tractors:						
25	Operating expense.....	Hour	1,663	.936	.866	1,557	1,440
26	Purchased.....	Number	² 1823	4,496.00	4,128.00	820	753
	Trucks:						
27	Operating expense.....	Mile	14,400	.055	.054	792	778
28	Purchased.....	Number	² 122	2,551.00	2,429.00	310	296
	Automobiles, farm share:						
29	Operating cost.....	Mile	6,100	.042	.041	256	250
30	Depreciation.....	Number	.05	2,375.00	2,300.00	119	115
	Other machinery:						
31	Repairs.....	Dollar	² 628	⁴ 1.13	1.00	710	628
32	Purchased.....	do.	² 412	⁴ 1.13	1.00	466	412

See footnotes at end of table.

TABLE 2. --Production expenses and inputs, irrigated cotton farms,
High Plains, Texas, 1963--Continued

	Item	Quantity ¹		Price per unit ¹		Value ¹	
		Unit	q ₁	P ₁	P ₀	q ₁ P ₁	q ₁ P ₀
	Cash expenditures--continued						
	Power and machinery--con.						
	Irrigation equipment:						
	Operating costs:			Dollars	Dollars	Dollars	Dollars
33	Butane.....	Hour	771	.490	.556	378	429
34	Natural gas.....	do.	2,228	.323	.314	720	700
35	Electric motors.....	do.	642	.491	.487	315	313
36	Electric submergible pumps.....	do.	643	.078	.075	50	48
	Purchased:						
37	Engines.....	Number	² .178	730.00	710.00	130	126
38	Electric motors.....	do.	² .0477	524.00	507.00	25	24
39	Turbine pumps.....	do.	² .1678	3,170.00	2,697.00	532	453
40	Submergible pumps.....	do.	² .076	1,464.00	1,421.00	112	108
41	Total.....	---	---	---	---	7,292	6,873
	Contract work:						
42	Airplane dusting.....	Acre	33	1.00	1.00	33	33
43	Combining.....	do.	75	3.20	2.87	240	215
44	Stripping cotton.....	Cwt.	322	.585	.680	188	219
45	Grain hauling.....	do.	1,037	.100	.098	104	102
46	Land improvement.....	Dollar	² 15	⁴ 1.13	1.00	17	15
47	Total.....	---	---	---	---	582	584
48	Ginning.....	Cwt.	763.18	3.88	3.25	2,961	2,480
	Irrigation wells:						
49	Repairs.....	Dollar	² 39	⁵ 1.03	1.00	40	39
50	New.....	Number	² .221	1,310.00	1,261.00	290	279
51	Water distribution system...	Foot	186.32	1.17	1.05	218	196
52	Farm building and fencing expense.....	Dollar	² 230	⁶ 1.01	1.00	232	230
53	Taxes (incl. personal property).....	Acre	438	1.31	1.09	574	477
54	Miscellaneous expense.....	Dollar	² 152	³ 1.01	1.00	154	152
55	Total cash expenditures...	---	---	---	---	16,828	15,667
	Change in inventory:						
56	Tractor.....	Number	² -.0029	4,496.00	4,128.00	-13	-12
57	Truck.....	do.	² -.0122	2,551.00	2,429.00	-31	-30
58	Other machinery.....	Dollar	² -7	⁴ 1.13	1.00	-8	-7
	Irrigation equipment:						
59	Engines.....	Number	² -.0110	730.00	710.00	-8	-8
60	Electric motors.....	do.	² -.0153	524.00	507.00	-8	-8
61	Turbine pumps.....	do.	² -.0095	3,170.00	2,697.00	-30	-26
62	Submergible pumps.....	do.	² -.0417	1,464.00	1,421.00	-61	-59
63	Wells.....	do.	² -.0656	1,310.00	1,261.00	-86	-83
64	Water distribution system.	Foot	² -63.25	1.17	1.05	-74	-66
65	Farm buildings.....	Dollar	² -3	⁶ 1.01	1.00	-3	-3
66	Total.....	---	---	---	---	-322	-302
67	Total operating expenses.....	---	---	---	---	16,506	---
68	Total operating inputs.....	---	---	---	---	---	15,365

¹ q₁ is quantity in current year; p₁ is price in current year; p₀ is price in the base period (1957-59); q₁p₁ is current quantity times current price and q₁p₀ is current quantity times price in the base period. ² Computed by dividing q₁p₁ by p₁. ³ Index of prices paid for farm supplies (1957-59=100). See Agricultural Prices, 1964 Annual summary U.S. Dept. Agr. Stat. Rptg. Serv. Bd. Pr 1-3 (65) June 1965 p. 11. ⁴ Index of prices paid for farm machinery (1957-59=100). See footnote 2 for source. ⁵ Index of prices paid for production items (1957-59=100). See Agricultural Prices, 1964 Annual summary U.S. Dept. Agr. Stat. Rptg. Serv. Crop Rptg. Bd. Pr 1-3 (65) June 1965 p. 10. ⁶ Index of prices paid for building and fencing materials (1957-59=100). See footnote 2 for source.

CHARGE FOR CAPITAL

Any charge for capital invested in assets on a group of farms must be an arbitrary one. Farm assets vary greatly in kind from farm to farm and on any given farm and are purchased at different times and at different prices. Values of farmland and related assets have gone up continuously since the mid 'thirties and 'forties, and in recent years interest rates on farm mortgages also have increased. The combined effect of the two is to make for a relatively high charge for capital investment in farm assets.

From 1934 through 1964, average interest rates charged by Federal Land Banks on farm mortgage loans outstanding for the United States as a whole ranged from 3.5 to 5.1 percent. During this 31-year period they averaged 4.1 percent and in half of these years they ranged between 4 and 4.2 percent. During the last 8 years they have increased steadily from 4.1 in 1957 to 5.1 in 1964, the highest on record since 1933. During the early 1930's interest rates averaged slightly higher but were weighted heavily by distress loans (mainly feed and seed loans) in some areas.

Interest rates charged on farm mortgages have varied by States and production areas. Average returns on capital investments in the nonfarm sector in recent years have been below 4 percent, but there is less liquidity of capital invested in farm assets.

Interest rates generally have been increasing in recent years. Interest rates charged by Federal Land Banks on new loans have advanced and as a consequence averaged higher in recent years than for the average on loans outstanding. In 1964, contract

rates charged for new loans by Federal Land Banks ranged from 5.5 to 6 percent.

It is difficult to determine what rate should be charged on farm assets for the purposes of these studies. If a farm operator obtained loans in the 1940's and 1950's he probably pays lower interest rates than would be the case if he has obtained a similar loan recently. For comparative purposes, two rates were used in these studies for estimating charges for capital. These two charges were made for each type of farm throughout the years for which data are available.

The first is obtained by applying the interest rate in effect January 1 that is charged for new loans by the Federal Land Banks in the respective districts to the following farm assets:

1. Estimated value of livestock in inventory.
2. Estimated value of farm machinery and equipment in inventory.
3. Estimated value of farm-grown feed and seed in inventory, including seed already used in fall-planted crops to be harvested the next season.
4. Estimated value of land, buildings, and improvements.

To this is added a charge for production credit on farms where product sales are seasonal and operators normally borrow funds to meet current production expenditures. The rate charged on these operating funds is the short-term interest rate charged by all operating banks and Production Credit Associations on all loans outstanding. It

is the average annual rate for the United States.

The second estimate of capital charge is obtained by multiplying the farm investment values January 1 in the four categories enumerated above by 4.1 percent. This is the average rate charged by Federal Land Banks on farm mortgage loans outstanding during the 31-year period 1934-64, the period covering most of the farms in these series. As explained earlier, it is also the rate charged in the years 1945-58. To this charge is also added a charge for production credit as outlined in the other method.

The amount of production credit differs greatly from farm to farm. In these series, no charge is made for production credit on poultry and dairy farms or on Western livestock ranches. No charge is made for production credit on types of farms where payment for most goods and services used in production come at a time when funds normally are available from sales of farm products.

Other methods of estimating charges for capital and other rates charged on this capital may be equally realistic in a few areas, and may be substituted for the two methods used if desired. However, this method and these rates seem reasonable and provide comparable data for the types and sizes of farms in these areas. Also, these rates

are within the limits of rates at which farmers have obtained or may obtain capital on farm assets.

A strong point in favor of the latter method is that it is appropriate for such a time series as represented here. Farmers purchased their farms or parts of their farms at different times. Some farmers obtained their loans 20 years ago, whereas others obtained their loans 15, 10, 5, or perhaps a year ago. Also, some farmers may have two or more loans each obtained at a different time. Therefore, interest rates charged on loans outstanding probably are more appropriate than a charge on new loans only.

RETURN PER HOUR TO OPERATOR AND FAMILY LABOR

This is the estimated per hour return to the operator and unpaid members of the family for their labor and management used (not necessarily labor available) on the farm during the year, after all production expenses have been met and appropriate charges, as outlined above, have been made for the use of capital in the farm or ranch business. The return is obtained by subtracting a "charge for capital" from "net farm income" and dividing the result by the estimated number of "hours of operator and family labor" used on the farm during the year.

INDEX NUMBERS

Index series are computed for 11 important summary measures for each type of farm and ranch. All series are based on 1957-59=100. Index numbers are calculated for each of the following summary measures of farm finance, production, and production efficiency: (1)

Gross farm income; (2) net farm income; (3) net farm production; (4) crop yields per acre (range conditions on Western livestock ranches); (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 (quantity); (10) prices received for products sold; (11) prices paid, including wages to hired labor.

GROSS FARM INCOME

Gross farm income (table 1, line 28) includes quantities of crops, livestock, and livestock products sold at stipulated prices; 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 for livestock and season average price or adjusted season average price on farm types where sales of particular crops are highly seasonal.

Inventory changes from year to year are not affected by price changes as the same price is used in the current year and in the previous year. Thus gross income from year to year is not affected by prices of inventory items. An exception is made in the case of feeder cattle purchased on hog-beef fattening farms in the Corn Belt. On the farms studied, feeder cattle are usually bought in October and sold the next autumn. The cost of the feeder cattle purchased is carried as an expense in the year they are sold (see page 9). Land is considered a capital asset and purchases or sales of land are not considered to be a part of income or expense.

The index of gross farm income is obtained by dividing current values or estimates of gross farm income

($\sum q_1 p_1$, line 28, table 1), as described above, by the average gross farm income for the base period 1957-59.

The formula for the index of gross farm income is:

$$\frac{\sum q_1 p_1}{(\sum q_1 p_1)_0}$$

in which q_1 and p_1 are quantities and prices, respectively, in the current year and $(\sum q_1 p_1)_0$ represents the summation of the respective products in the years 1957, 1958, and 1959, 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 operating expense" (line 67, table 2) from "gross farm income" (line 28, table 1).

Gross farm income was described earlier in this report. "Total Farm Operating Expense" (line 67, table 2) 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 change in inventory of tractors, motor-trucks, other farm machinery, and buildings and equipment.

The index of net farm income is obtained by dividing yearly estimates of net farm income ($\Sigma q_1 p_1$) by the average net farm income for the base period 1957-59.

NET FARM PRODUCTION

Net farm production is the net physical quantity of items produced on the respective type of farm or ranch each year. It is obtained by multiplying the respective quantities of crops, livestock, and livestock products sold and used in the household each year by the weighted average prices of the respective items in the 1957-59 period, and subtracting the value each year of purchased feed, seed, and livestock at 1957-59 prices. Adjustments are made for change in inventory of crops and livestock (line 27, table 1). The annual product thus obtained is divided by the average of such values for the base period 1957-59.

The formula is: $\frac{\Sigma q_1 p_o}{(\Sigma q_1 p_o)_o}$, in which

q_1 is the quantity sold or the quantity change in inventory in the current year and p_o is the weighted average price in the base period 1957-59. $(\Sigma q_1 p_o)_o$ represents the summation of the respective products for the 1957-59 period divided by 3.

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 per acre 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 miscellaneous crops as defined on

these farms frequently vary considerably from year to year, and to include them in the crop-yield index probably 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 yield per acre of each of the respective crops in the current year by the average harvested or net planted acreage of the respective crops in 1957-61 and the 1957-59 average price received per bushel, hundred-weight, or ton for the specified crop when sold.

The sum of these products computed for each year is then divided by the sum of the products obtained for each crop by multiplying the 1957-59 average yield of the specified crop by the 1957-61 average harvested or net planted acreage and the 1957-59 average price received per unit of the specified crop. The formula for the index is:

$\frac{\Sigma y_1 a_o p_o}{\Sigma y_o a_o p_o}$, in which y_1 represents

crop yield per acre in the current year, y_o the average yield per acre in the base period 1957-59, a_o the average harvested or net planted acreage of the specified crop in 1957-61, and p_o the 1957-59 average price received per unit for the respective crop.

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 1957-59.

PRODUCTION PER HOUR OF MAN LABOR

Production per hour of man labor is obtained by dividing the index of "net farm production" on a 1957-59 base by the total hours of man labor (operator, family, and hired) used in production, expressed as relatives of the 1957-59 average. This index measures change 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 sanitation, better breeding and livestock-management practices, and use of labor-saving equipment.

PRODUCTION PER UNIT OF INPUT

This is a measure of physical efficiency (average output per unit of input) in production. The index of production per unit of input is obtained by dividing the index of gross farm production by the index of total input, both indexes based on 1957-59=100.

Gross farm production (line 29, table 1) is the physical quantity of crops, livestock, and livestock products sold and used in the home each year and net physical change in inventory of crops and livestock,

each multiplied by the 1957-59 weighted average price received for the respective product when sold.

Total input is the total physical quantity of goods and services used in production each year multiplied by the weighted average prices or cost rates paid for the respective items in the base period 1957-59. It is arrived at by adding to the total goods and services purchased, the net physical change in inventory of machinery, buildings, and improvements each year multiplied by the weighted average price paid for the respective items in 1957-59 (lines 55 and 66, table 2). To this is added the total hours of operator and unpaid family labor used on the farm each year at 1957-59 weighted average wage rates paid to hired labor, the estimated value of capital in farm assets each year multiplied by 4.1 percent, and production credit (on farms where used) at 6.7 percent. This is the average short-term interest rate for the period 1957-59 charged by all operating banks and Production Credit Associations on all loans outstanding (see discussion on "charge for capital").

The formula for "gross farm production" and the index of total

farm inputs is: $\frac{\sum q_1 P_0}{(\sum q_1 P_0)_0}$, in which

q_1 is the quantity of the respective items sold, purchased or used, in household on farms where grown, each year, and p_0 represents the

weighted average price received or paid or the cost-rate for the respective item, in the base period 1957-59. The average value of total inputs or outputs in the base period 1957-59 is represented by $(\sum q_1 P_0)_0$.

OPERATING EXPENSE PER UNIT OF PRODUCTION

Operating expense per unit of production is "total cash expenditures" (line 55, table 2) plus net change in inventory or depreciation on service buildings, fences, improvements, machinery, and equipment each year divided by "gross farm production" (line 29, table 1) for the respective year. Therefore, operating expense per unit of production is a measure of cost per unit of production. It excludes capital and family labor.

The index of operating expense per unit of production is obtained by dividing "total operating expense" ($\Sigma q_1 p_1$, line 67, table 2) by the index of gross farm production ($\Sigma q_1 p_0$, line 29, table 1), with both indexes based on 1957-59 as 100.

Ordinarily, total 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. (See page 16 for a discussion of total operating expense.)

Thus operating expenses differ slightly from variable costs in that some operating expenses, taxes particularly, do not vary with output. 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

Total cost per unit of production is the annual total operating expense

(line 67, table 2) plus investment in land, buildings, improvements, machinery, equipment, livestock, feed and seed at 4.1 percent, and funds used for production purposes at short-term interest rates charged by Production Credit Associations and operating banks, plus the value of operator and unpaid family labor at wage rates paid to hired workers divided by the gross farm production (line 29, table 1), as described above.

The index is obtained by dividing the index of total costs each year by the annual index number of gross farm production (line 29, table 1), with each index based on 1957-59. The resulting index, therefore, is a summary measure of the total aggregate cost of producing a unit of product. The index series thus measures the relative change from year to year in estimated total aggregate costs per unit of production.

In these series on costs and returns, then, the more highly specialized the farm business the more nearly does this index reflect 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, poultry, tobacco, and cotton farms, and cattle and sheep ranches.

POWER AND MACHINERY (QUANTITY)

The index of power and machinery on farms is a relative measure of changes in mechanization of farms. It measures the change in the relative quantity of power and machinery on the farm or ranch at the close of the year. It is assumed that purchases of new or additional machinery and equipment are made early enough in the year for the

machinery to be used in that year, and, therefore, that the amount of machinery and equipment on the farm or ranch at the close of the year is a better measure of mechanization of the farm in that year than the amount at the beginning of the year, January 1.

The index of mechanization as calculated for these farm series does not necessarily measure the relative amount or extent of use that is made of the machinery, but rather the amount on the farm available for use.

A given type and size of farm may have a tractor, motor truck, combine, corn picker, milking machine, and all the complementary equipment in a specified year. It may have had the same number and sizes of similar items in 1957-59.

Another type of farm may have the same numbers and sizes of similar items of power and machinery as the former farm, but the machinery and equipment may be used twice as much on the latter farm. The difference in amount of use made of the power and machinery on the two types of farms is not measured by this index. If a farmer now has a 3-plow tractor, a 2-row corn picker, and 12-foot grain combine, whereas formerly he had a 2-plow tractor, a 1-row corn picker, and a 6-foot combine, this change in mechanization is measured. It is measured through changes in numbers or physical quantities and values of the respective items.

Numbers, sizes, and values of the major items of power and machinery, such as tractors, trucks, grain combines, corn pickers, cotton pickers, and so on, are recorded in the inventory. However, these items must be combined with each other and with

the various complementary items such as plows, harrows, cultivators, mowers, and rakes. This is done on the basis of value.

The index of power and machinery on the farm is calculated by dividing the sum of the year-end inventory values of motor vehicles by the index of prices paid for motor vehicles (1957-59=100) and the year-end value of all other farm machinery by the index of prices paid for farm machinery, other than motor vehicles (1957-59=100). The sum of these quotients each year is then divided by the average of the sums in the base period 1957-59.

PRICES RECEIVED FOR PRODUCTS SOLD

The objective of the price-index series constructed here for different types and sizes of farms is to obtain acceptable estimates of changes in prices received and prices paid over time on specified types and sizes of farms and ranches in widely separated areas.

Several problems become apparent in selecting suitable formulae and base periods that will give comparable and consistent measures of change in prices received and prices paid by operators of greatly differing types of farms in widely separated geographic areas and over an extended period of time. There is the problem of handling intermittent sales and purchases. There is also the problem of measuring adequately the influence of new products that have recently come into production and of products that are waning in importance.

Account must be taken also of the effect of technological changes and

changes and adjustments in size of farm and farm organization that affect the relative quantity of products sold or purchased. Account must be taken of droughts and related catastrophes that bring about radical changes in quantities of products sold and purchased and changes in quality and price of the products sold and purchased.

Hardly a year passes without a drought or some other catastrophe affecting at least one or more of these farm types. These weather phenomena either reduce production or quality of product or increase purchases of certain items. As a result, prices became erratic and incomes to farmers in the drought area drop perceptibly. At the same time, farm incomes may go up in areas not directly affected by the drought as markets for the products of these areas may be broadened and demand for them increased.

Operators of some of these 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. When droughts occur, crop yields are reduced and new seedings are destroyed. As a result, the farm operator is forced to buy feed grains or hay, or both, and has also additional outlays for new plantings. Instead of buying hay or grain from other farmers, he may make a complete substitution by buying commercial feeds. This occasional or intermittent buying and selling or substitution requires a price formula that differs from the usual "fixed basket of goods" $\frac{\sum q_o p_1}{\sum q_o p_o}$, if changes in prices are to be measured adequately.

The problem of weighting adequately a new commodity that is gaining in importance or introducing a new commodity into the price index also requires special consideration. Pelleted feeds, antibiotics and other feed additives, 2-4D and many other pesticides, anhydrous ammonia fertilizer, hybrid seeds, cottonpickers and a host of other items were practically unknown 20 or 30 years ago. The acceptance or adoption of these technologies has differed for the various types of farms and from area to area. Operators of some types of farms made wide use of these items early, whereas others accepted them later and at a much lower intensity.

Soybeans, which are now widely grown on some types of farms, were relatively unimportant in the early 'thirties, when they accounted for less than 5 or 10 percent of the crop sales on some farms in the Corn Belt and the South. Production and sales of soybeans have increased steadily over the years, and in recent years, soybeans have accounted for nearly a third of the crop sales on some farms.

As another example, grain sorghum is now a very important crop on wheat-grain sorghum farms. In most years of the 1930s, receipts from grain sorghum amounted to less than \$100 per year and were less than one-tenth as important as those from wheat. In 1955 and 1957 and later years, receipts from sales of grain sorghum far exceeded those from wheat.

A price-index formula whereby current-year and base-year prices are weighted by current-year quantities simplifies the problem of introducing new commodities into the formula from time to time or appropriately weighting commodities

that are becoming less important because of changes in land use and operations. It also simplifies the handling of intermittent sales or purchases of various items. It also gives representative measures of year-to-year changes in prices received and prices paid.

The following formula is used for both prices received for products sold and prices paid for goods and services used in production: $\frac{\sum p_1 q_1}{\sum p_0 q_1}$, in which p_1 and q_1 represent current-year prices and quantities, respectively, and p_0 represents weighted average prices in the base period 1957-59.

Therefore, the index of prices received for products sold is arrived at as follows: To the total quantity of all crops sold from the current year's production, with each multiplied by the respective season average price, is added the total physical quantity of livestock and livestock products sold during the calendar year, with each multiplied by its respective current calendar-year or seasonal average price. The result is then divided by the same quantity of products sold valued at the respective weighted average prices in the base period 1957-59. Where sales of crops, livestock, or livestock products are highly seasonal, the respective season average or calendar-year prices are adjusted.

This particular formula and method has several advantages over many other formulae when production and technology are changing and a going concern in a changing economy is considered. It gives a very true and accurate picture of the change in prices from the base period to the current year or year under consideration. However, because a new set of weights (current-year quantities) is used each year, the series thus obtained does not always give directly a true and accurate measure of price change from a given year to another. This is particularly so when there is a sizeable change in the relative quantity of products sold. To overcome this difficulty and minimize the problem, the index series thus obtained is divided by the average values of the series for the 1957-59 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.

PRICES PAID, INCLUDING WAGES PAID TO HIRED LABOR

The index of prices paid is the total quantity of all commodities and services purchased for use in farm production in the current year, including hired labor, with each valued at its respective current price or wage rate paid, divided by the total value of the same quantities of items valued at 1957-59 prices and wage rates.

TABLE 3. --Net farm income, commercial farms, 1930-64¹

Year	Dairy farms				Dairy-hog farms, South-eastern Minnesota	Egg-producing farms, New Jersey	Broiler farms				Corn Belt farms			
	Central Northeast	Eastern Wisconsin		Western Wisconsin			Maine	Delmarva		Georgia	Hog-dairy	Hog fat-tening--beef raising	Hog-beef fattening	Cash grain
		Grade A	Grade B					Broilers	Broiler-crop					
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
1930.....	1,161	---	934	779	1,127	---	---	---	---	---	1,291	646	2,064	1,110
1931.....	809	---	314	254	490	---	---	---	---	---	639	442	1,260	419
1932.....	355	---	228	226	369	---	---	---	---	---	280	262	874	521
1933.....	438	---	431	286	362	---	---	---	---	---	180	51	310	567
1934.....	436	---	307	165	67	---	---	---	---	---	-53	-277	-183	793
1935.....	841	---	1,044	853	1,154	---	---	---	---	---	1,613	926	2,372	2,615
1936.....	718	---	623	629	953	---	---	---	---	---	1,108	185	829	2,569
1937.....	874	---	948	925	1,267	---	---	---	---	---	1,790	1,048	2,901	2,569
1938.....	777	---	775	675	1,036	---	---	---	---	---	1,455	718	2,107	1,820
1939.....	607	---	379	602	1,090	---	---	---	---	---	1,317	887	1,850	2,465
1940.....	1,082	---	726	630	1,063	---	---	---	---	---	1,241	847	2,189	1,998
1941.....	1,251	---	1,097	1,250	1,687	---	---	---	---	---	1,975	1,352	2,780	4,330
1942.....	2,152	---	1,682	1,713	2,517	---	---	---	---	---	3,539	2,385	5,698	5,464
1943.....	2,305	---	2,107	2,121	2,819	---	---	---	---	---	4,059	2,788	6,143	6,354
1944.....	2,548	---	1,986	1,831	2,657	---	---	---	---	---	3,566	2,076	5,745	5,749
1945.....	3,211	---	2,607	2,219	3,127	2,297	---	---	---	---	3,996	2,049	5,707	6,940
1946.....	3,827	---	3,071	2,607	3,855	1,776	---	---	---	---	5,229	3,621	10,600	9,864
1947.....	3,645	---	3,086	2,602	3,852	5,320	---	---	---	---	4,828	2,559	9,465	9,964
1948.....	4,692	---	3,394	3,314	4,639	6,161	---	---	---	---	6,575	4,565	13,014	8,920
1949.....	3,194	---	2,341	2,512	3,308	7,565	---	---	---	---	4,754	3,665	8,551	7,523
1950.....	3,448	3,847	1,940	2,446	3,071	3,797	1,636	---	3,487	1,042	4,525	4,026	10,277	7,975
1951.....	4,422	5,970	3,544	3,940	4,582	7,240	1,937	---	3,566	1,078	6,001	4,468	9,563	9,937
1952.....	3,882	5,998	2,950	3,727	4,453	2,736	1,763	---	4,948	1,174	6,017	4,196	8,716	8,579
1953.....	3,150	4,483	2,145	2,822	4,035	7,255	2,098	---	3,992	1,081	5,615	2,979	6,909	8,281
1954.....	3,400	3,870	2,005	2,421	3,473	-442	2,210	---	2,600	1,027	6,012	2,891	10,011	8,034
1955.....	3,912	3,974	1,901	2,248	3,537	3,860	2,294	---	4,905	1,196	4,184	2,678	4,391	7,230
1956.....	3,850	4,839	2,117	2,945	3,962	3,371	2,854	---	5,140	947	5,164	2,950	6,841	9,210
1957.....	4,320	4,973	2,300	3,280	3,884	2,462	2,597	864	2,929	965	7,079	3,758	9,656	6,874
1958.....	4,339	5,075	2,514	3,476	4,362	3,285	2,991	1,009	4,920	1,153	8,609	5,063	11,961	7,547
1959.....	4,236	5,907	2,751	3,414	3,632	-523	2,981	1,559	5,144	838	5,949	3,104	6,588	5,698
1960.....	4,234	5,858	2,799	3,636	3,552	5,158	3,389	1,727	5,945	910	6,641	3,225	6,684	7,671
1961.....	4,497	6,932	3,576	4,484	5,093	4,959	3,061	1,626	5,625	836	7,474	4,042	8,947	8,995
1962.....	3,492	6,618	3,294	4,653	4,664	2,433	3,450	2,220	5,979	837	6,970	3,838	13,122	10,065
1963.....	4,101	6,005	3,257	4,831	4,545	2,093	3,665	2,241	5,004	803	6,824	3,953	7,006	11,374
1964 ²	4,178	6,541	3,332	2,837	3,904	2,470	3,692	2,433	6,022	718	7,173	4,395	8,643	12,205

See footnotes at end of table.

- Continued

TABLE 3.--Net farm income, commercial farms, 1930-64¹--Continued

Year	Cotton farms									Peanut-cotton farms, Southern Coastal Plains	Tobacco farms				
	Southern Piedmont	Delta		Black Prairie, Texas	High Plains, Texas		San Joaquin Valley, Calif. (irrigated)				Coastal Plain, North Carolina		Kentucky Bluegrass		
		Small	Large-scale		Non-irrigated	Irrigated	Cotton-specialty crop	Cotton-general crop			Tobacco	Tobacco-cotton	Tobacco-livestock, inner area	Tobacco-dairy	
								Medium-sized	Large					Intermediate area	Outer area
Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
1930.....	284	---	---	755	---	---	---	---	---	---	---	---	---	---	---
1931.....	149	---	---	316	---	---	---	---	---	---	---	---	---	---	---
1932.....	103	---	---	347	---	---	---	---	---	---	---	---	---	---	---
1933.....	364	---	---	794	---	---	---	---	---	---	---	---	---	---	---
1934.....	482	---	---	876	---	---	---	---	---	---	---	---	---	---	---
1935.....	505	---	---	940	---	---	---	---	---	---	---	---	---	---	---
1936.....	561	---	---	1,079	---	---	---	---	---	---	---	---	---	---	---
1937.....	393	---	---	1,048	1,710	---	---	---	---	---	---	---	---	---	---
1938.....	411	---	---	854	940	---	---	---	---	---	---	---	---	---	---
1939.....	539	---	---	918	1,411	---	---	---	---	---	---	---	---	---	---
1940.....	574	---	---	1,001	1,352	---	---	---	---	---	---	---	---	---	---
1941.....	565	---	---	1,280	2,914	---	---	---	---	---	---	---	---	---	---
1942.....	1,027	---	---	1,353	3,554	---	---	---	---	---	---	---	---	---	---
1943.....	984	---	---	1,983	4,439	---	---	---	---	---	---	---	---	---	---
1944.....	1,123	1,279	11,508	1,680	4,465	5,410	---	---	---	1,540	---	---	---	---	---
1945.....	1,273	1,241	10,234	1,676	1,795	2,281	---	---	---	1,696	---	---	5,059	2,201	2,818
1946.....	1,803	1,768	15,516	2,320	2,468	5,767	---	---	---	1,500	---	---	5,604	2,431	3,462
1947.....	1,677	1,877	19,057	3,475	8,462	13,064	43,425	30,106	86,503	2,313	---	---	5,543	2,395	3,418
1948.....	1,843	2,379	29,234	2,850	3,217	7,663	28,108	18,758	51,584	2,637	---	---	6,695	2,532	4,019
1949.....	1,191	1,515	13,053	2,940	7,527	11,572	25,439	15,428	40,657	1,996	2,732	2,361	5,354	2,242	3,361
1950.....	1,421	1,877	26,647	3,177	5,812	10,864	34,552	30,193	98,195	2,450	3,770	3,164	5,519	2,136	3,271
1951.....	2,458	1,619	16,289	2,351	7,008	14,535	49,559	36,238	98,414	2,600	4,333	4,326	6,770	2,571	4,516
1952.....	2,129	1,964	24,903	3,150	2,223	12,582	63,945	28,660	84,467	2,447	3,084	3,087	7,488	2,942	4,282
1953.....	1,912	2,072	25,001	3,530	-643	8,449	14,907	19,879	61,485	2,679	3,551	3,132	6,105	2,123	3,859
1954.....	1,475	1,736	20,398	1,824	4,340	13,367	41,750	22,793	77,858	2,219	3,183	3,158	6,280	2,160	3,325
1955.....	2,366	2,334	29,368	2,779	2,283	7,817	28,737	22,984	63,353	3,118	3,456	3,259	5,722	2,008	3,468
1956.....	1,576	1,975	23,080	1,059	2,444	13,351	89,251	25,268	77,398	2,737	3,991	3,887	6,985	2,532	4,351
1957.....	1,626	1,431	13,096	2,183	6,379	10,168	18,788	26,558	75,606	2,263	3,126	2,969	6,473	2,304	4,233
1958.....	2,877	1,372	16,481	3,658	8,863	16,564	22,333	27,011	83,466	3,456	4,896	4,890	7,975	2,705	4,897
1959.....	2,078	2,197	31,149	2,941	7,129	12,184	57,509	28,983	96,004	2,568	3,988	4,023	6,884	2,535	4,511
1960.....	1,895	1,737	24,474	2,878	9,375	13,082	40,041	26,172	79,405	3,364	6,080	5,983	7,318	2,475	4,657
1961.....	2,709	2,035	30,336	3,297	15,012	21,457	13,516	25,062	75,778	4,118	6,805	6,852	7,441	2,910	5,126
1962.....	2,543	2,084	31,663	3,842	9,923	17,263	30,271	27,961	85,906	3,897	6,341	6,436	7,836	2,809	5,429
1963.....	2,891	2,708	40,187	5,302	10,320	17,509	23,723	32,117	93,922	5,674	6,099	6,385	9,786	3,448	6,288
1964 ²	3,274	2,383	34,623	4,668	1,676	12,903	58,290	36,067	108,785	5,181	6,429	6,362	6,530	2,678	5,323

TABLE 3.--Net farm income, commercial farms, 1930-64¹--Continued

Year	Spring wheat farms			Winter wheat farms				Cattle ranches			Sheep ranches		
	Northern Plains			Southern Plains		Pacific Northwest		Northern Plains	Inter-mountain region	South-west	Northern Plains	Utah-Nevada ³	South-west
	Wheat-small grain-livestock	Wheat-corn-livestock	Wheat-fallow	Wheat	Wheat-grain sorghum	Wheat-pea	Wheat-fallow						
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1930.....	406	1,214	---	1,847	542	---	-246	1,891	2,935	---	2,853	---	---
1931.....	-308	223	---	957	87	---	-1,142	103	1,423	---	720	---	---
1932.....	-229	112	---	-88	-637	---	-705	268	1,236	---	689	---	---
1933.....	86	-503	---	-446	-458	---	185	545	931	---	2,450	---	---
1934.....	-431	-472	---	270	116	---	433	-731	-344	---	972	---	---
1935.....	190	626	---	475	-96	2,953	1,187	-260	1,642	---	1,173	---	---
1936.....	-289	-455	---	1,323	598	3,354	2,447	-748	1,958	---	790	---	---
1937.....	407	488	---	704	894	2,546	1,871	-798	2,412	---	1,648	---	---
1938.....	207	591	---	756	609	755	756	628	2,417	---	1,412	---	---
1939.....	632	1,216	---	421	868	2,674	1,272	950	2,108	---	2,756	---	---
1940.....	880	1,199	---	703	990	2,347	940	1,427	2,916	1,344	2,778	4,674	3,153
1941.....	2,295	2,215	---	3,643	2,364	7,067	3,776	2,566	4,598	2,367	4,963	7,839	6,107
1942.....	3,222	4,056	---	5,913	3,809	12,392	5,469	4,718	5,281	3,294	6,953	9,321	5,886
1943.....	5,149	3,832	---	5,868	2,986	13,107	7,801	4,230	5,279	2,031	6,715	8,243	3,971
1944.....	4,353	4,086	---	5,796	7,062	11,627	7,993	4,120	5,040	1,572	5,522	7,121	5,484
1945.....	5,481	5,357	---	6,674	5,167	10,047	7,811	4,371	5,838	2,360	6,291	7,440	5,172
1946.....	6,233	5,901	---	9,167	6,460	14,988	15,205	5,248	6,773	2,398	7,256	10,755	4,054
1947.....	8,935	8,015	---	15,360	13,365	16,208	13,384	7,955	8,786	4,096	8,260	14,386	4,622
1948.....	6,085	6,557	---	8,170	6,872	11,329	17,240	7,824	10,416	6,292	8,535	18,530	4,043
1949.....	3,397	3,063	---	5,882	6,290	8,453	9,792	3,024	6,705	6,420	3,501	9,481	6,930
1950.....	5,369	4,254	5,849	8,660	3,600	10,255	12,663	5,087	9,228	9,310	9,796	22,175	9,378
1951.....	6,818	6,940	4,389	7,126	8,111	11,939	15,144	9,804	4,480	9,093	19,555	34,621	10,436
1952.....	3,887	2,781	2,597	14,874	11,250	14,590	14,118	6,470	10,970	1,147	6,193	18,534	1,749
1953.....	3,760	4,219	5,693	5,409	768	14,794	14,956	4,303	5,323	-840	5,418	8,992	-166
1954.....	2,199	3,454	4,018	7,585	2,217	17,607	13,285	3,765	4,486	745	4,468	13,350	1,226
1955.....	5,955	2,218	6,287	5,037	2,316	9,630	7,045	2,830	4,623	2,965	5,036	16,131	3,919
1956.....	6,972	3,283	5,953	3,808	2,282	13,722	10,189	2,140	5,718	-769	5,336	17,659	553
1957.....	4,023	5,468	3,469	6,344	3,112	14,578	17,531	4,163	8,607	4,825	10,464	18,131	6,460
1958.....	6,388	7,415	3,013	13,289	10,740	10,157	15,058	6,423	13,282	8,981	13,157	20,926	11,377
1959.....	2,807	2,343	2,242	7,777	6,720	15,637	14,678	5,162	12,338	8,421	8,189	16,186	10,657
1960.....	5,099	5,674	4,609	10,684	12,149	10,575	11,613	4,980	8,711	7,580	8,707	11,960	10,759
1961.....	238	5,332	83	10,908	12,757	10,079	11,412	6,277	9,998	8,167	6,533	9,658	9,091
1962.....	12,115	6,689	11,379	13,062	11,141	19,460	16,874	7,252	11,936	7,651	10,404	15,037	7,855
1963.....	7,622	6,711	9,232	9,086	7,024	17,408	15,275	7,385	10,133	5,272	12,961	13,261	5,928
1964 ²	8,690	5,062	7,429	8,271	6,949	15,190	13,836	6,043	6,860	1,310	11,765	14,631	3,370

¹ Study begins in year that first figure is shown. ² Preliminary. ³ Two-band, desert-operated.

TABLE 4.--Dairy farms, Central Northeast: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	199	203	208	212	217	221	226	231	235	239
Cropland harvested-----	do.	75	77	78	79	81	82	84	85	86	88
Open pasture-----	do.	75	77	78	80	81	82	83	86	88	88
Crops harvested:											
Corn-----	do.	9.1	10.5	10.4	10.6	10.7	10.8	11.0	10.8	11.5	12.3
Small grains-----	do.	16.4	14.3	13.9	14.0	14.2	14.1	13.8	14.0	13.1	13.4
Hay-----	do.	48.9	52.0	53.3	54.2	55.9	56.9	59.0	60.0	61.0	62.3
Crop yields per harvested acre:											
Corn for silage-----	Ton	9.2	9.8	9.8	10.5	10.0	10.5	10.3	11.5	11.3	11.5
Oats-----	Bushel	37.5	41.0	44.0	53.0	52.0	54.0	52.0	52.0	50.0	52.0
Hay-----	Ton	1.7	1.6	1.7	1.7	1.9	1.8	2.0	2.1	1.6	1.9
Livestock on farm, Jan. 1:											
All cattle-----	Number	38.1	38.4	39.4	39.6	40.3	41.3	42.9	43.3	46.4	47.3
Cows and heifers, 2 years old and over-----	do.	24.7	25.5	26.4	26.6	27.3	27.8	28.8	28.9	31.4	32.2
Chickens-----	do.	91	86	83	71	65	55	47	44	42	41
Milk production per cow-----	Pound	7,000	7,220	7,380	7,480	7,800	7,890	8,160	8,450	8,620	8,970
Tractors on farm-----	Number	1.48	1.55	1.62	1.69	1.79	1.87	1.95	2.00	2.05	2.10
Total cash receipts-----	Dollar	8,278	8,822	9,167	9,771	10,560	10,853	11,411	11,629	12,599	13,252
Dairy products-----	do.	6,898	7,418	7,673	8,388	8,877	9,283	9,820	10,420	10,942	11,642
Cattle and calves-----	do.	675	709	809	872	1,220	1,243	1,266	906	1,377	1,365
Poultry and eggs-----	do.	589	586	589	406	384	259	251	217	191	179
Other, including Government payments-----	do.	116	109	96	105	79	68	74	86	89	66
Total cash expenditures-----	do.	6,215	6,150	6,341	6,748	7,498	8,000	8,442	9,325	9,944	10,755
Feed purchased-----	do.	2,083	1,969	2,099	2,154	2,241	2,340	2,559	3,005	3,354	3,932
Livestock purchased-----	do.	76	83	123	122	179	189	126	222	209	178
Other livestock expense-----	do.	230	251	232	211	317	347	358	384	409	431
Fertilizer and lime-----	do.	226	243	237	297	328	367	378	397	438	444
Other crop expense-----	do.	251	276	257	276	284	311	323	328	327	370
Machinery-----	do.	1,861	1,941	1,960	2,142	2,413	2,538	2,580	2,813	2,927	3,025
Farm buildings and fences-----	do.	441	375	404	360	360	400	520	522	537	558
Labor hired-----	do.	504	472	453	484	655	728	738	726	765	778
Taxes-----	do.	414	410	445	475	525	568	631	688	731	783
Other-----	do.	129	130	131	157	196	212	228	240	247	256
Net cash farm income-----	do.	2,063	2,672	2,826	3,023	3,062	2,853	2,969	2,304	2,655	2,497
Value of perquisites-----	do.	922	909	937	943	919	955	945	941	939	961
Change in inventory:											
Crops and livestock-----	do.	187	193	-4	286	201	302	113	959	-409	338
Machinery and buildings-----	do.	228	138	91	68	157	126	207	293	307	305
Net farm income-----	do.	3,400	3,912	3,850	4,320	4,339	4,236	4,234	4,497	3,492	4,101

TABLE 5.--Dairy farms, Central Northeast: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,460	4,430	4,430	4,350	4,370	4,320	4,400	4,440	4,590	4,590
Operator and family-----	do.	3,700	3,720	3,770	3,650	3,540	3,500	3,560	3,620	3,740	3,760
Hired-----	do.	760	710	660	700	830	820	840	820	850	830
Total farm capital, Jan. 1-----	Dollar	26,900	28,200	29,800	32,400	35,200	38,800	40,600	40,600	42,600	43,600
Land and buildings-----	do.	13,500	15,200	16,200	17,800	18,700	20,400	21,200	21,400	22,400	23,400
Machinery and equipment-----	do.	5,400	5,500	5,800	6,200	6,500	6,900	7,200	7,300	7,700	7,900
Livestock-----	do.	5,600	5,200	5,600	5,900	7,300	9,100	9,700	9,400	9,700	9,000
Crops-----	do.	2,400	2,300	2,200	2,500	2,700	2,400	7,500	2,500	2,800	3,300
Gross farm income-----	do.	9,387	9,924	10,100	11,000	11,680	12,110	12,469	13,529	13,129	14,551
Operating expenses-----	do.	5,987	6,012	6,250	6,680	7,341	7,874	8,235	9,032	9,637	10,450
Net farm income-----	do.	3,400	3,912	3,850	4,320	4,339	4,236	4,234	4,497	3,492	4,101
Purchasing power in 1947-49 dollars-----	do.	3,063	3,524	3,438	3,724	3,677	3,590	3,558	3,779	2,886	3,361
Charge for capital at current interest rates-----	do.	1,210	1,269	1,341	1,620	2,112	2,134	2,436	2,436	2,450	2,507
Return per hour, operator and family labor-----	do.	.59	.71	.67	.74	.63	.60	.50	.57	.28	.42
Charge for capital at 4.1 percent interest-----	do.	1,103	1,156	1,222	1,328	1,443	1,591	1,665	1,665	1,747	1,788
Return per hour, operator and family labor-----	do.	.62	.74	.70	.82	.82	.76	.72	.78	.47	.62
INDEX NUMBERS ¹											
Gross farm income-----	---	81	86	87	95	101	104	108	117	113	125
Net farm income-----	---	79	91	90	100	101	99	99	107	81	95
Net farm production-----	---	90	95	96	98	100	102	108	116	114	123
Crop yields per acre-----	---	89	93	95	98	102	100	106	111	97	105
Production per hour of man labor-----	---	88	94	94	97	100	103	106	114	108	117
Production per unit of input-----	---	98	102	101	101	100	99	101	104	99	104
Operating expense per unit of production-----	---	92	89	91	94	101	105	104	104	110	109
Total cost per unit of production-----	---	92	89	90	94	100	106	104	101	107	104
Power and machinery (quantity)-----	---	94	96	97	98	100	102	103	105	107	107
Prices received for products sold-----	---	91	93	91	98	101	101	99	97	95	95
Prices paid, including wages to hired labor-----	---	94	93	94	97	100	103	103	103	104	105

1/ 1959-59 = 100.

TABLE 6.--Dairy farms, grade-A, Eastern Wisconsin: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	145	147	151	154	157	159	163	167	171	175
Cropland harvested-----	do.	97	98	101	101	105	107	109	111	115	119
Open pasture-----	do.	30	30	31	31	32	32	33	33	32	27
Crops harvested:											
Corn for grain-----	do.	15.3	16.4	16.6	15.8	13.8	21.5	21.0	21.6	20.5	21.0
Corn for silage-----	do.	14.3	14.6	15.0	15.6	19.5	14.0	16.6	15.4	18.1	20.5
Small grains-----	do.	28.1	27.1	28.8	29.3	30.0	29.2	27.2	29.0	28.5	27.5
Hay-----	do.	34.5	34.9	34.4	34.7	35.7	36.6	38.7	38.4	41.7	43.0
Crop yields per harvested acre:											
Corn for grain-----	Bushel	67.4	61.4	72.8	63.0	60.2	76.1	67.4	78.5	71.4	76.3
Corn for silage-----	Ton	9.9	9.6	10.6	9.4	8.6	12.0	10.4	12.0	11.8	11.3
Oats-----	Bushel	51.9	54.3	49.6	57.6	66.1	54.2	51.3	61.4	60.8	61.7
Hay-----	Ton	2.6	2.6	2.7	2.8	2.1	3.2	3.2	3.1	3.3	2.6
Livestock on farm, Jan. 1:											
All cattle-----	Number	38.2	39.2	40.1	41.3	43.2	46.1	48.3	50.7	53.8	54.9
Cows and heifers, 2 years old and over-----	do.	24.2	25.0	25.8	26.6	27.0	28.1	29.0	30.2	31.7	32.0
Milk production per cow-----	Pound	8,360	8,440	8,700	9,070	9,560	9,710	9,780	9,950	10,150	10,230
Pigs raised-----	Number	28	33	31	32	37	35	32	30	29	30
Tractors on farm-----	do.	2.06	2.11	2.20	2.28	2.35	2.42	2.46	2.50	2.54	2.58
Total cash receipts-----	Dollar	9,257	9,269	10,404	10,739	11,623	11,735	12,372	14,011	14,191	14,070
Dairy products-----	do.	6,051	6,475	7,260	7,638	8,045	8,450	9,447	10,258	10,373	10,345
Cattle and calves-----	do.	1,027	1,056	1,032	1,299	1,646	1,943	1,750	1,863	2,263	2,099
Hogs-----	do.	1,087	938	866	1,087	1,409	1,016	940	968	954	877
Poultry and eggs-----	do.	461	459	443	321	254	80	0	0	0	0
Crops-----	do.	623	324	765	289	231	224	216	541	189	271
Other, including Government payments-----	do.	8	17	38	105	38	22	19	381	412	478
Total cash expenditures-----	do.	6,390	6,579	6,985	7,692	8,185	8,703	9,062	9,719	10,167	10,590
Feed purchased-----	do.	1,021	901	896	927	1,000	906	965	1,078	1,162	1,260
Livestock purchased-----	do.	41	31	32	24	21	9	0	0	0	0
Other livestock expense-----	do.	384	398	419	462	501	543	575	623	672	706
Fertilizer and lime-----	do.	272	273	288	296	334	368	343	383	386	429
Other crop expense-----	do.	399	449	400	481	440	441	497	527	568	656
Machinery-----	do.	2,307	2,444	2,795	3,010	3,280	3,606	3,715	3,823	3,917	4,035
Farm buildings and fences-----	do.	728	828	851	1,110	1,119	1,240	1,212	1,385	1,439	1,401
Labor hired-----	do.	341	341	363	374	402	405	418	450	463	529
Taxes-----	do.	708	705	714	767	836	908	1,047	1,126	1,231	1,231
Other-----	do.	189	309	227	241	261	277	290	324	329	343
Net cash farm income-----	do.	2,867	2,690	3,419	3,047	3,438	3,032	3,310	4,292	4,024	3,480
Value of perquisites-----	do.	837	827	877	954	1,004	1,025	1,046	1,064	1,117	1,107
Change in inventory:											
Crops and livestock-----	do.	300	340	230	432	82	1,030	741	758	694	717
Machinery and buildings-----	do.	-134	117	313	540	551	820	761	818	783	701
Net farm income-----	do.	3,870	3,974	4,839	4,973	5,075	5,907	5,858	6,932	6,618	6,005

TABLE 7.--Dairy farms, grade-A, Eastern Wisconsin: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,280	4,280	4,320	4,330	4,330	4,300	4,380	4,460	4,580	4,630
Operator and family-----	do.	3,870	3,870	3,910	3,920	3,900	3,880	3,950	4,000	4,120	4,120
Hired-----	do.	410	410	410	410	430	420	430	460	460	510
Total farm capital, Jan. 1-----	Dollar	41,930	41,720	43,080	47,590	51,990	58,250	60,120	62,180	66,740	67,590
Land and buildings-----	do.	22,540	23,020	24,040	27,570	29,950	32,670	34,230	35,230	38,220	38,320
Machinery and equipment-----	do.	8,200	8,030	8,240	8,920	9,490	10,080	10,690	11,240	11,790	12,330
Livestock-----	do.	6,990	6,490	6,940	7,280	8,910	11,590	11,030	11,380	12,070	11,900
Crops-----	do.	4,200	4,180	3,860	3,820	3,640	3,910	4,170	4,330	4,660	5,040
Gross farm income-----	do.	10,394	10,436	11,511	12,125	12,709	13,790	14,159	15,833	16,002	15,894
Operating expenses-----	do.	6,524	6,462	6,672	7,152	7,634	7,883	8,301	8,901	9,384	9,889
Net farm income-----	do.	3,870	3,974	4,839	4,973	5,075	5,907	5,858	6,932	6,618	6,005
Purchasing power in 1947-49 dollars-----	do.	3,486	3,580	4,321	4,287	4,301	5,006	4,923	5,825	5,469	4,922
Charge for capital at current interest rates-----	do.	1,677	1,669	1,723	2,142	2,860	2,913	3,607	3,420	3,670	3,718
Return per hour, operator and family labor-----	do.	.57	.60	.80	.72	.57	.77	.57	.88	.72	.56
Charge for capital at 4.1 percent interest-----	do.	1,719	1,710	1,766	1,952	2,132	2,388	2,465	2,550	2,736	2,771
Return per hour, operator and family labor-----	do.	.56	.59	.79	.77	.75	.91	.86	1.10	.94	.78
INDEX NUMBERS ¹											
Gross farm income-----		81	81	89	94	99	107	110	123	124	123
Net farm income-----		73	75	91	94	95	111	110	130	124	113
Net farm production-----		84	87	92	94	96	110	108	116	120	122
Crop yields per acre-----		96	93	101	99	90	111	104	114	111	106
Production per hour of man labor-----		84	87	92	94	96	110	107	113	113	114
Production per unit of input-----		91	94	98	98	94	108	104	108	108	107
Operating expense per unit of production-----		102	98	95	100	104	96	102	102	104	107
Total cost per unit of production-----		101	98	96	100	104	96	101	100	102	104
Power and machinery (quantity)-----		95	93	95	97	99	104	108	111	114	115
Prices received for products sold-----		97	94	98	100	102	98	103	104	101	98
Prices paid, including wages to hired labor-----		94	94	94	98	100	102	104	106	108	110

1/ 1957-59 = 100.

TABLE 8.--Dairy farms, grade-B, Eastern Wisconsin: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	127	127	128	129	131	133	136	139	142	146
Cropland harvested-----	do.	72	74	72	75	76	79	80	82	84	88
Open pasture-----	do.	32	30	33	31	32	32	33	33	33	30
Crops harvested:											
Corn for grain-----	do.	7.4	8.3	8.1	8.0	6.9	11.7	10.8	10.9	11.0	12.3
Corn for silage-----	do.	9.9	10.1	9.7	9.9	12.1	9.2	11.6	11.0	11.7	12.0
Small grains-----	do.	24.5	24.0	24.2	25.0	25.5	25.5	24.2	26.3	25.7	26.0
Hay-----	do.	29.1	29.8	28.7	30.4	29.8	30.8	32.3	32.0	34.6	36.0
Crop yields per harvested acre:											
Corn for grain-----	Bushel:	59.3	54.0	64.1	55.4	53.0	67.0	59.3	70.2	64.0	68.4
Corn for silage-----	Ton:	8.7	8.4	9.3	8.3	7.6	10.6	9.2	10.7	10.5	10.0
Oats-----	Bushel:	48.3	50.5	46.1	53.6	61.5	50.4	47.7	56.8	56.2	57.0
Hay-----	Ton:	2.1	2.1	2.2	2.2	1.7	2.6	2.6	2.5	2.6	2.1
Livestock on farm, Jan. 1:											
All cattle-----	Number:	28.3	28.2	29.3	29.6	28.3	29.4	30.5	32.0	34.1	34.6
Cows and heifers, 2 years old and over-----	do.	17.7	18.0	18.3	18.6	18.5	19.2	19.7	20.4	21.4	21.6
Chickens-----	do.	101	106	106	107	103	106	93	86	73	6.2
Milk production per cow-----	Pound	7,890	7,410	7,580	7,860	8,230	8,310	8,320	8,480	8,670	8,710
Pigs raised-----	Number:	21	23	21	22	24	25	26	23	23	24
Tractors on farm-----	do.	1.54	1.62	1.71	1.79	1.86	1.90	1.92	1.94	1.96	1.98
Total cash receipts-----	Dollar:	5,762	5,672	5,889	6,607	6,816	6,679	7,026	7,648	7,919	7,870
Dairy products-----	do.	3,566	3,587	3,876	4,129	4,215	4,381	4,766	5,221	5,253	5,382
Cattle and calves-----	do.	715	715	663	1,035	963	1,060	936	958	1,197	1,154
Hogs-----	do.	809	638	592	740	921	679	751	727	750	674
Poultry and eggs-----	do.	526	586	612	526	573	430	425	383	290	240
Crops-----	do.	140	133	121	116	118	113	134	157	210	165
Other, including Government payments-----	do.	6	13	25	61	26	16	14	202	219	255
Total cash expenditures-----	do.	4,743	4,638	4,750	5,116	5,261	5,408	5,480	5,805	5,917	6,241
Feed purchased-----	do.	770	677	692	820	860	835	705	854	755	875
Livestock purchased-----	do.	45	38	44	39	45	39	29	21	16	14
Other livestock expense-----	do.	286	288	304	330	344	371	401	428	462	477
Fertilizer and lime-----	do.	172	174	176	187	207	230	214	239	238	265
Other crop expense-----	do.	349	401	330	394	353	388	408	413	442	524
Machinery-----	do.	1,719	1,749	1,903	1,933	1,998	2,088	2,158	2,165	2,238	2,287
Farm buildings and fences-----	do.	564	467	473	594	591	559	559	607	637	616
Labor hired-----	do.	186	163	143	123	97	90	89	86	93	99
Taxes-----	do.	502	514	503	503	557	587	682	734	771	808
Other-----	do.	150	167	182	193	209	221	235	258	265	276
Net cash farm income-----	do.	1,019	1,034	1,139	1,491	1,555	1,271	1,546	1,843	2,002	1,629
Value of perquisites-----	do.	777	756	790	829	902	912	982	989	1,027	1,026
Change in inventory:											
Crops and livestock-----	do.	258	180	173	6	101	687	348	775	294	631
Machinery and buildings-----	do.	-49	-69	15	-26	-44	-119	-77	-31	-29	-29
Net farm income-----	do.	2,005	1,901	2,117	2,300	2,514	2,751	2,799	3,576	3,294	3,257

TABLE 9.--Dairy farms, grade-B, Eastern Wisconsin: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,630	3,630	3,600	3,630	3,590	3,650	3,620	3,670	3,790	3,810
Operator and family-----	do.	3,400	3,440	3,440	3,490	3,490	3,560	3,530	3,580	3,700	3,710
Hired-----	do.	230	190	160	140	100	90	90	90	90	100
Total farm capital, Jan. 1-----	Dollar	30,350	29,880	30,410	33,250	35,410	39,400	40,210	41,160	44,570	44,740
Land and buildings-----	do.	17,400	17,400	17,790	20,250	21,750	23,940	25,020	25,720	28,120	28,320
Machinery and equipment-----	do.	6,130	5,930	5,970	6,250	6,310	6,360	6,290	6,280	6,370	6,370
Livestock-----	do.	4,400	3,980	4,250	4,380	5,050	6,380	6,000	6,200	6,530	6,380
Crops-----	do.	2,450	2,570	2,400	2,370	2,300	2,720	2,900	2,960	3,550	3,670
Gross farm income-----	do.	6,797	6,608	6,852	7,442	7,819	8,278	8,356	9,412	9,240	9,527
Operating expenses-----	do.	4,792	4,707	4,735	5,142	5,305	5,527	5,557	5,836	5,946	6,270
Net farm income-----	do.	2,005	1,901	2,117	2,300	2,514	2,751	2,799	3,576	3,294	3,257
Purchasing power in 1947-49 dollars-----	do.	1,806	1,713	1,890	1,983	2,130	2,331	2,352	3,005	2,722	2,670
Charge for capital at current interest rates-----	do.	1,215	1,195	1,216	1,496	1,948	1,970	2,413	2,264	2,451	2,461
Return per hour, operator and family labor-----	do.	.23	.21	.26	.23	.26	.22	.11	.37	.22	.21
Charge for capital at 4.1 percent interest-----	do.	1,246	1,225	1,247	1,363	1,452	1,615	1,649	1,688	1,827	1,834
Return per hour, operator and family labor-----	do.	.22	.20	.25	.27	.30	.32	.33	.53	.40	.38
INDEX NUMBERS ¹											
Gross farm income-----	---	87	84	87	95	100	105	106	120	118	121
Net farm income-----	---	80	75	84	91	100	109	111	142	131	129
Net farm production-----	---	90	92	93	95	97	108	104	118	119	121
Crop yields per acre-----	---	95	93	99	98	92	110	104	113	111	105
Production per hour of man labor-----	---	90	92	93	95	98	107	104	116	114	125
Production per unit of input-----	---	93	95	96	97	98	105	101	111	109	110
Operating expense per unit of production-----	---	101	97	97	101	102	97	103	95	97	100
Total cost per unit of production-----	---	98	96	97	100	102	98	104	95	99	100
Power and machinery (quantity)-----	---	110	107	106	102	100	98	96	94	94	92
Prices received for products sold-----	---	99	95	96	99	103	98	101	104	101	100
Prices paid, including wages to hired labor-----	---	94	95	95	98	100	102	104	105	107	109

¹/ 1957-59 = 100.

TABLE 10.--Dairy farms, grade-B, Western Wisconsin: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	161	163	164	166	168	172	176	180	184	188
Cropland harvested-----	do.	75	76	77	77	79	82	83	85	88	90
Open pasture-----	do.	38	39	39	40	40	42	43	44	45	41
Crops harvested:											
Corn for grain-----	do.	12.9	13.3	14.7	15.0	13.3	17.9	15.8	17.0	19.5	19.9
Corn for silage-----	do.	8.6	9.7	8.7	8.8	10.4	8.0	10.6	8.4	7.3	8.0
Small grains-----	do.	23.5	22.7	22.5	21.3	21.4	22.6	22.7	22.7	22.1	22.2
Hay-----	do.	29.3	29.7	30.2	31.1	32.8	32.3	34	35.9	38.1	39.3
Crop yields per harvested acre:											
Corn for grain-----	Busbel.	55.2	51.9	62.5	65.8	57.4	67.3	56.4	68.3	67.8	70.2
Corn for silage-----	Ton	8.9	9.3	10.9	10.7	10.0	10.9	8.5	12.2	12.7	12.3
Oats-----	Busbel.	32.8	44.8	44.3	50.6	54.2	51.5	51.7	58.1	52.7	53.0
Hay-----	Ton	1.9	2.2	2.1	2.2	2.4	2.5	2.9	2.8	3.3	3.0
Livestock on farm, Jan. 1:											
All cattle-----	Number	34.3	36.1	36.5	37.2	38.0	38.5	39.2	40.9	42.6	44.0
Cows and heifers, 2 years old and over-----	do.	19.1	20.4	20.5	20.9	21.0	20.9	21.0	22.0	22.7	23.8
Chickens-----	do.	102	107	108	110	105	108	95	82	69	58
Milk production per cow-----	Pound	6,760	6,860	7,070	7,430	7,860	7,980	8,010	8,160	8,342	8,384
Pigs raised-----	Number	22	24	21	22	22	21	20	21	22	24
Tractors on farm-----	do.	1.40	1.46	1.53	1.62	1.71	1.80	1.80	1.83	1.85	1.87
Total cash receipts-----	Dollar	5,580	5,652	6,151	6,663	7,452	7,234	7,546	8,068	8,391	8,783
Dairy products-----	do.	3,373	3,424	3,875	4,134	4,244	4,384	4,793	5,261	5,362	5,655
Cattle and calves-----	do.	797	900	952	1,155	1,673	1,648	1,389	1,438	1,478	1,484
Hogs-----	do.	845	690	570	696	820	659	548	666	649	724
Poultry and eggs-----	do.	490	555	577	488	542	406	408	337	253	208
Crops-----	do.	59	60	121	126	139	94	371	92	361	385
Other, including Government payments-----	do.	16	23	56	64	34	43	37	274	288	327
Total cash expenditures-----	do.	4,042	4,081	4,081	4,317	4,505	4,804	5,017	5,196	5,426	5,678
Feed purchased-----	do.	695	660	657	683	724	726	683	722	738	739
Livestock purchased-----	do.	45	37	43	40	46	40	29	20	15	13
Other livestock expense-----	do.	243	256	269	293	318	329	351	371	395	422
Fertilizer and lime-----	do.	169	173	183	189	210	229	236	265	270	297
Other crop expense-----	do.	265	335	283	333	306	339	385	389	435	502
Machinery-----	do.	1,476	473	1,491	1,574	1,658	1,835	1,927	1,965	2,035	2,104
Farm buildings and fences-----	do.	350	354	358	388	371	395	404	440	457	454
Labor hired-----	do.	292	286	296	297	309	311	288	271	272	294
Taxes-----	do.	398	386	369	378	410	436	525	561	611	648
Other-----	do.	109	121	132	142	153	164	189	192	198	205
Net cash farm income-----	do.	1,538	1,571	2,070	2,346	2,947	2,430	2,529	2,872	2,965	3,105
Value of perquisites-----	do.	697	654	690	730	750	767	819	843	840	847
Change in inventory:											
Crops and livestock-----	do.	302	141	344	367	-61	302	250	712	781	827
Machinery and buildings-----	do.	-116	-118	-159	-163	-160	-85	38	57	67	52
Net farm income-----	do.	2,421	2,248	2,945	3,280	3,476	3,414	3,636	4,484	4,653	4,831

TABLE 11.--Dairy farms, grade-B, Western Wisconsin: Labor, capital, costs and returns, 1964-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,220	4,250	4,230	4,180	4,210	4,190	4,190	4,170	4,240	4,320
Operator and family-----	do.	3,850	3,890	3,870	3,840	3,860	3,840	3,880	3,880	3,950	4,020
Hired-----	do.	370	360	360	340	350	350	310	290	290	300
Total farm capital, Jan. 1-----	Dollar	23,440	22,370	23,300	25,110	26,990	30,930	31,220	32,860	36,040	37,450
Land and buildings-----	do.	12,100	11,430	12,200	13,600	14,360	16,440	17,460	18,850	21,020	21,750
Machinery and equipment-----	do.	3,820	3,740	3,770	3,850	3,860	3,880	3,910	4,000	4,160	4,240
Livestock-----	do.	5,040	4,760	5,010	5,190	6,260	7,740	7,060	7,320	7,600	7,680
Crops-----	do.	2,480	2,440	2,320	2,470	2,510	2,870	2,790	2,690	3,260	3,780
Gross farm income-----	do.	6,579	6,447	7,185	7,760	8,141	8,303	8,615	9,623	10,012	10,457
Operating expenses-----	do.	4,158	4,199	4,240	4,480	4,665	4,889	4,979	5,139	5,359	5,626
Net farm income-----	do.	2,421	2,248	2,945	3,280	3,476	3,414	3,636	4,484	4,653	4,831
Purchasing power in 1947-49 dollars-----	do.	2,181	2,025	2,629	2,828	2,946	2,893	3,055	3,768	3,845	3,960
Charge for capital at current interest rates-----	do.	938	895	932	1,130	1,484	1,546	1,873	1,807	1,982	2,060
Return per hour, operator and family labor-----	do.	.39	.35	.52	.56	.52	.49	.46	.69	.68	.69
Charge for capital at 4.1 percent interest-----	do.	961	917	955	1,030	1,107	1,268	1,280	1,347	1,478	1,535
Return per hour, operator and family labor-----	do.	.38	.34	.51	.59	.61	.56	.61	.81	.80	.82
INDEX NUMBERS ¹											
Gross farm income-----	---	82	80	89	96	101	103	107	117	122	130
Net farm income-----	---	71	66	87	97	103	101	107	132	137	143
Net farm production-----	---	85	86	95	98	98	105	106	113	122	128
Crop yields per acre-----	---	82	87	92	98	97	105	103	112	118	115
Production per hour of man labor-----	---	84	85	94	98	97	105	106	114	121	124
Production per unit of input-----	---	89	89	97	99	98	103	104	109	114	116
Operating expense per unit of production-----	---	104	104	96	98	102	100	101	98	95	96
Total cost per unit of production-----	---	104	103	97	98	102	100	101	98	95	96
Power and machinery (quantity)-----	---	114	110	105	102	99	99	99	101	103	102
Prices received for products sold-----	---	98	93	94	99	103	98	101	104	100	99
Prices paid, including wages to hired labor-----	---	96	96	96	99	100	101	104	105	108	110

¹/ 1957-59 = 100.

TABLE 12.--Dairy-hog farms, Southeastern Minnesota: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	152	153	154	155	156	159	163	167	171	175
Cropland harvested-----	do.	92	92	92	92	94	100	103	102	104	107
Open pasture-----	do.	28	29	29	29	29	26	27	26	26	26
Crops harvested:											
Corn for grain-----	do.	22.8	25.7	27.7	28.3	28.9	34.8	32.6	33.6	35.9	39.5
Corn for silage-----	do.	8.4	7.4	7.1	8.3	10.4	10.6	12.3	10.6	8.0	7.5
Small grains-----	do.	35.3	32.3	31.4	29.5	28.5	28.6	29.2	28.1	28.0	27.4
Hay-----	do.	25.5	26.3	26.1	26.4	25.8	26.3	28.8	30.1	32.4	32.9
Crop yields per harvested acre:											
Corn for grain-----	Bushel	53.1	54.6	62.5	58.4	57.8	56.0	54.9	67.2	60.2	68.7
Corn for silage-----	Ton	9.2	9.6	10.7	10.5	9.4	9.9	8.8	11.8	10.4	11.3
Oats-----	Bushel	38.4	43.6	42.2	44.2	54.1	52.5	47.8	50.8	49.5	52.4
Hay-----	Ton	2.4	2.5	2.7	2.6	2.5	2.6	2.8	2.8	3.2	3.0
Livestock on farm, Jan. 1:											
All cattle-----	Number	30.7	31.1	31.6	32.3	32.6	32.7	33.0	34.7	36.7	38.0
Cows and heifers, 2 years old and over-----	do.	18.5	18.7	19.2	19.7	19.7	19.8	19.9	20.5	21.3	21.9
Chickens-----	do.	149	153	150	155	141	139	128	116	130	115
Milk production per cow-----	Pound	6,600	6,810	7,170	7,240	7,600	8,060	8,250	8,380	8,450	8,450
Pigs raised-----	Number	43	45	41	41	45	48	46	48	48	46
Tractors on farm-----	do.	1.61	1.66	1.71	1.76	1.81	1.86	2.00	2.14	2.20	2.22
Total cash receipts-----	Dollar	7,014	7,116	7,671	7,910	8,541	8,559	8,708	9,549	10,252	10,562
Dairy products-----	do.	3,473	3,672	4,052	4,182	4,296	4,661	4,882	5,496	5,549	5,568
Cattle and calves-----	do.	802	812	746	960	1,292	1,318	1,111	1,122	1,265	1,316
Hogs-----	do.	1,672	1,350	1,258	1,502	1,750	1,477	1,488	1,713	1,639	1,524
Poultry and eggs-----	do.	649	742	729	627	620	474	517	452	487	428
Crops-----	do.	400	519	821	560	546	598	681	390	905	1,296
Other, including Government payments-----	do.	18	21	65	79	37	31	29	376	407	430
Total cash expenditures-----	do.	4,591	4,572	4,593	4,890	5,224	5,714	6,227	6,525	6,979	7,275
Feed purchased-----	do.	685	651	643	647	679	739	739	812	859	888
Livestock purchased-----	do.	71	54	63	51	61	52	44	45	44	40
Other livestock expense-----	do.	222	233	244	249	261	279	327	375	407	428
Fertilizer and lime-----	do.	103	123	125	150	162	194	224	235	244	294
Other crop expense-----	do.	221	250	209	250	229	290	375	411	492	535
Machinery-----	do.	1,988	1,955	1,980	2,142	2,271	2,507	2,604	2,588	2,722	2,813
Farm buildings and fences-----	do.	455	458	467	479	525	538	678	847	917	889
Labor hired-----	do.	245	246	249	267	296	319	310	302	311	349
Taxes-----	do.	470	466	491	518	574	633	726	681	740	789
Other-----	do.	131	136	122	137	166	163	200	229	243	250
Net cash farm income-----	do.	2,423	2,544	3,078	3,020	3,317	2,845	2,481	3,024	3,273	3,287
Value of perquisites-----	do.	682	682	691	721	761	735	765	789	777	782
Change in inventory:											
Crops and livestock-----	do.	306	307	230	146	274	23	227	1,105	350	240
Machinery and buildings-----	do.	62	4	-37	-3	10	29	79	175	264	236
Net farm income-----	do.	3,473	3,537	3,962	3,884	4,362	3,632	3,552	5,093	4,664	4,545

TABLE 13.--Dairy-hog farms, Southeastern Minnesota: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,840	3,880	3,920	3,910	3,930	3,960	3,990	4,060	4,190	4,200
Operator and family-----	do.	3,550	3,590	3,630	3,620	3,620	3,630	3,670	3,760	3,880	3,860
Hired-----	do.	290	290	290	290	310	330	320	300	310	340
Total farm capital, Jan. 1-----	Dollar	33,550	35,260	36,660	41,570	44,910	48,840	49,890	49,840	53,820	55,240
Land and buildings-----	do.	19,590	21,680	22,830	27,270	29,760	31,660	33,430	33,080	35,230	36,740
Machinery and equipment-----	do.	6,060	6,110	6,200	6,410	6,660	6,970	7,090	7,160	7,280	7,360
Livestock-----	do.	5,020	4,560	4,430	4,710	5,830	7,170	6,120	6,680	7,240	7,380
Crops-----	do.	2,880	2,910	3,200	3,180	2,660	3,040	3,250	2,920	4,070	3,760
Gross farm income-----	do.	8,002	8,105	8,592	8,777	9,576	9,317	9,700	11,443	11,379	11,584
Operating expenses-----	do.	4,529	4,568	4,630	4,893	5,214	5,685	6,148	6,350	6,715	7,039
Net farm income-----	do.	3,473	3,537	3,962	3,884	4,362	3,632	3,552	5,093	4,664	4,545
Purchasing power in 1947-49 dollars-----	do.	3,129	3,186	3,538	3,348	3,697	3,078	2,985	4,280	3,855	3,725
Charge for capital at current interest rates-----	do.	1,342	1,410	1,466	1,871	2,470	2,442	2,993	2,741	2,960	3,038
Return per hour, operator and family labor-----	do.	.60	.59	.69	.56	.52	.33	.15	.63	.44	.39
Charge for capital at 4.1 percent interest-----	do.	1,376	1,446	1,503	1,704	1,841	2,002	2,045	2,044	2,207	2,265
Return per hour, operator and family labor-----	do.	.59	.58	.68	.60	.70	.45	.41	.81	.63	.59
INDEX NUMBERS ¹											
Gross farm income-----	---	87	88	93	95	104	101	105	114	123	126
Net farm income-----	---	88	89	100	98	110	92	90	129	118	115
Net farm production-----	---	85	91	96	95	98	107	104	113	113	119
Crop yields per acre-----	---	89	94	103	99	101	100	100	112	109	116
Production per hour of man labor-----	---	87	93	96	96	98	106	102	109	106	111
Production per unit of input-----	---	89	95	99	97	99	104	99	104	102	105
Operating expense per unit of production-----	---	101	95	92	98	101	101	112	106	111	112
Total cost per unit of production-----	---	99	94	93	99	101	100	107	101	106	106
Power and machinery (quantity)-----	---	106	105	101	100	100	100	100	99	100	99
Prices received for products sold-----	---	102	96	97	99	105	96	99	105	103	100
Prices paid, including wages to hired labor-----	---	94	93	94	97	100	103	106	106	108	111

¹/ 1957-59 = 100.

TABLE 14.--Egg-producing farms, New Jersey: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	10	10	10	10	10	10	10	10	10	10
Cropland harvested-----	do.	0	0	0	0	0	0	0	0	0	0
Laying hens on farm, Jan. 1-----	Number	4,080	4,250	4,410	4,560	4,690	4,810	4,910	5,010	5,050	5,050
Chickens raised-----	do.	3,077	3,081	3,178	3,035	3,179	2,912	2,771	2,828	2,980	2,856
Average number of layers on hand during year-----	do.	3,635	3,744	3,965	3,908	4,118	4,214	4,193	4,514	4,646	4,696
Rate of lay, eggs per layer on hand during year-----	do.	188	189	192	195	194	196	193	194	192	196
Total cash receipts-----	Dollar	23,632	26,904	26,852	25,457	27,432	23,342	27,142	27,353	26,789	26,900
Eggs-----	do.	22,714	25,880	25,953	24,716	26,582	22,677	26,261	26,673	25,834	26,121
Cull layers-----	do.	918	1,024	899	741	850	665	881	680	955	779
Total cash expenditures-----	do.	25,974	25,203	25,603	24,915	26,026	25,521	23,729	24,014	25,323	25,862
Feed purchased-----	do.	20,262	19,121	19,281	18,779	19,684	19,396	17,661	18,018	19,484	20,081
Baby chicks-----	do.	1,320	1,362	1,444	1,379	1,483	1,395	1,253	1,032	1,225	1,142
Other poultry expense-----	do.	436	444	473	469	494	506	504	542	557	571
Machinery-----	do.	764	792	830	882	924	973	984	973	1,023	1,028
Brooder fuel-----	do.	185	185	191	182	191	175	166	155	146	131
Farm buildings-----	do.	1,317	1,609	1,679	1,552	1,555	1,484	1,507	1,497	983	914
Hired labor-----	do.	1,038	1,002	975	900	882	738	750	844	892	961
Taxes-----	do.	296	329	364	399	434	469	503	539	556	563
Telephone-----	do.	25	26	28	31	33	35	42	43	45	45
Electricity-----	do.	234	232	230	232	230	229	236	240	245	248
Insurance-----	do.	24	26	29	32	34	37	39	41	46	47
Miscellaneous expenses-----	do.	73	75	79	78	82	84	84	90	121	131
Net cash farm income-----	do.	-2,342	1,701	1,249	542	1,406	-2,179	3,413	3,339	1,466	1,038
Value of perquisites-----	do.	937	948	942	940	945	880	952	961	967	983
Change in inventory:											
Livestock-----	do.	255	264	225	208	192	145	160	60	0	72
Machinery and buildings-----	do.	708	947	955	772	742	631	633	599	0	0
Net farm income-----	do.	-442	3,860	3,371	2,462	3,285	-523	5,158	4,959	2,433	2,093

TABLE 15. --Egg-producing farms, New Jersey: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	5,760	5,620	5,640	5,250	5,260	5,080	5,130	4,980	5,010	5,080
Operator and family-----	do.	4,490	4,430	4,540	4,250	4,310	4,280	4,330	4,080	4,110	4,170
Hired-----	do.	1,270	1,190	1,100	1,000	950	800	800	900	900	910
Total farm capital, Jan. 1-----	Dollar	39,570	38,870	40,510	40,830	42,250	43,180	43,140	44,970	44,720	44,080
Land and buildings-----	do.	30,230	30,880	31,540	32,190	32,850	33,500	34,040	34,730	34,870	34,500
Machinery and equipment-----	do.	1,590	1,610	1,690	1,800	1,900	1,980	1,980	2,220	2,270	2,260
Livestock-----	do.	7,750	6,380	7,280	6,840	7,500	7,700	7,120	8,020	7,580	7,320
Gross farm income-----	do.	24,824	28,116	28,019	26,605	28,569	24,367	28,254	28,374	27,756	27,955
Operating expenses-----	do.	25,266	24,256	24,648	24,143	25,284	24,890	23,096	23,415	25,323	25,862
Net farm income-----	do.	-442	3,860	3,371	2,462	3,285	-523	5,158	4,959	2,433	2,093
Purchasing power in 1947-49 dollars-----	do.	-398	3,477	3,010	2,122	2,784	-443	4,334	4,167	2,011	1,716
Charge for capital at current interest rates-----	do.	1,781	1,749	1,823	2,042	2,535	2,375	2,588	2,698	2,571	2,535
Return per hour, operator and family labor-----	do.	-.50	.48	.34	.10	.17	-.68	.59	.55	-.03	-.11
Charge for capital at 4.1 percent interest-----	do.	1,622	1,594	1,661	1,674	1,732	1,770	1,769	1,844	1,834	1,807
Return per hour, operator and family labor-----	do.	-.46	.51	.38	.19	.36	-.54	.78	.76	.15	.07
INDEX NUMBERS ¹											
Gross farm income-----		94	106	106	100	108	92	107	107	105	105
Net farm income-----		<u>2/</u>	222	194	141	189	<u>2/</u>	296	285	140	120
Net farm production-----		77	81	90	95	97	108	104	125	114	130
Rate of lay-----		96	97	98	100	99	101	99	99	98	101
Production per hour of man labor-----		70	75	83	94	95	111	106	131	118	133
Production per unit of input-----		94	95	97	99	99	102	100	105	102	106
Operating expense per unit of production-----		117	109	103	101	102	97	92	87	92	91
Total cost per unit of production-----		115	108	104	102	101	97	94	88	93	92
Power and machinery (quantity)-----		83	88	95	97	100	103	105	107	103	99
Prices received for products sold-----		107	118	110	104	107	89	105	98	94	92
Prices paid, including wages to hired labor-----		111	104	101	101	100	99	93	91	93	95

^{1/} 1957-59 = 100.^{2/} Net loss.

TABLE 16.--Broiler farms, Maine: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	102	105	104	103	102	101	98	95	92	90
Cropland harvested-----	do.	10.0	8.4	6.8	5.2	3.6	2.0	2.0	2.0	2.4	2.5
Hay harvested-----	do.	10.0	8.4	6.8	5.2	3.6	2.0	2.0	2.0	2.4	2.5
Hay yield per harvested acre-----	Ton	1.14	1.27	1.18	1.14	1.22	1.23	1.30	1.30	1.18	1.20
Birds started, per lot-----	Number	9,057	9,079	11,250	13,000	14,220	14,634	15,073	15,301	15,524	15,858
Broilers produced annually:											
Number-----	do.	29,640	32,775	42,975	49,920	56,260	58,200	59,761	61,278	63,244	64,655
Pounds-----	Pound	106,704	117,990	154,710	189,696	213,788	221,160	233,068	238,984	252,976	265,086
Tractors on farm-----	Number	.48	.53	.53	.54	.55	.58	.57	.56	.54	.51
Total cash receipts-----	Dollar	3,930	4,203	5,116	5,179	5,788	5,969	6,503	6,404	6,992	7,232
Broilers-----	do.	3,260	3,572	4,469	4,742	5,401	5,616	6,155	6,067	6,704	6,983
Crops-----	do.	317	243	180	159	112	59	60	58	75	76
Forest products-----	do.	83	86	95	98	98	98	97	95	94	94
Other, including Government payments-----	do.	270	301	372	180	176	196	191	184	119	79
Total cash expenditures ^{1/} -----	do.	2,590	3,438	3,975	3,911	3,729	3,880	3,921	5,179	4,704	4,452
Machinery-----	do.	1,027	1,170	1,329	1,408	1,462	1,483	1,478	1,688	1,558	1,476
Farm buildings-----	do.	790	1,431	1,651	1,401	1,128	1,206	1,219	2,220	1,818	1,588
Hired labor-----	do.	305	336	422	412	406	402	335	344	423	435
Taxes-----	do.	212	231	237	293	309	339	369	389	417	445
Electricity and miscellaneous broiler expense-----	do.	217	229	289	335	363	376	375	387	397	414
Other-----	do.	39	41	47	62	61	74	84	86	91	94
Net cash farm income-----	do.	1,340	765	1,141	1,268	2,059	2,089	2,582	1,225	2,334	2,780
Value of perquisites-----	do.	329	312	323	325	322	339	352	354	360	363
Change in inventory of machinery and buildings-----	do.	541	1,218	1,390	1,004	611	553	457	1,482	802	522
Net farm income-----	do.	2,210	2,294	2,854	2,597	2,991	2,981	3,389	3,061	3,450	3,665

^{1/} Feed, chicks, medicines, and related items are supplied by the broiler contracting firms.

TABLE 17. --Broiler farms, Maine: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	2,120	2,280	2,390	2,360	2,310	2,220	2,340	2,260	2,300	2,290
Operator and family-----	do.	1,800	1,940	1,980	1,960	1,920	1,850	1,880	1,900	1,930	1,920
Hired-----	do.	320	340	410	400	390	370	360	360	370	370
Total farm capital, Jan. 1-----	Dollar	16,980	18,120	19,080	22,500	24,340	26,790	28,320	29,710	30,880	31,970
Land and buildings-----	do.	13,280	13,990	14,110	16,550	17,460	19,070	20,020	21,260	21,970	22,770
Machinery and equipment-----	do.	3,700	4,130	4,970	5,950	6,880	7,720	8,300	8,450	8,910	9,200
Gross farm income-----	do.	4,259	4,515	5,439	5,504	6,110	6,308	6,855	6,758	7,352	7,595
Operating expenses-----	do.	2,049	2,220	2,585	2,907	3,118	3,327	3,464	3,697	3,902	3,930
Net farm income-----	do.	2,210	2,294	2,854	2,597	2,991	2,981	3,389	3,061	3,450	3,665
Purchasing power in 1947-49 dollars-----	do.	1,991	2,067	2,548	2,239	2,535	2,526	2,848	2,572	2,851	3,004
Charge for capital at current interest rates-----	do.	764	815	859	1,125	1,460	1,474	1,699	1,782	1,776	1,838
Return per hour, operator and family labor-----	do.	.80	.76	1.01	.75	.80	.81	.90	.67	.87	.95
Charge for capital at 4.1 percent interest-----	do.	696	743	782	922	998	1,099	1,161	1,218	1,266	1,311
Return per hour, operator and family labor-----	do.	.84	.80	1.05	.85	1.04	1.02	1.19	.97	1.13	1.23
INDEX NUMBERS ¹											
Gross farm income-----	---	71	76	91	92	102	106	115	113	123	127
Net farm income-----	---	77	80	100	91	105	104	119	107	121	128
Net farm production-----	---	65	70	87	93	102	105	107	110	113	114
Broilers produced annually-----	---	51	57	74	91	103	106	112	115	121	127
Production per hour of man labor-----	---	70	70	83	90	102	108	110	112	113	115
Production per unit of input-----	---	75	78	92	95	101	104	105	108	105	104
Operating expense per unit of production-----	---	102	102	96	101	97	102	103	108	111	110
Total cost per unit of production-----	---	113	114	102	103	97	100	101	105	107	107
Power and machinery (quantity)-----	---	65	73	83	92	100	108	112	115	118	118
Prices received for products sold-----	---	112	110	106	100	100	100	107	103	109	111
Prices paid, including wages to hired labor-----	---	84	83	89	96	100	104	108	110	109	109

¹/ 1957-59 = 100.

TABLE 18. --Broiler farms, Delmarva: Organization, production, income and expenses, 1957-63

Item	Unit	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	5	5	5	5	5	5	5
Birds started, per lot-----	Number	8,181	9,049	10,100	10,617	11,113	11,535	13,156
Broilers produced annually:								
Number-----	Number	27,489	30,247	33,936	37,074	40,617	42,742	49,893
Pounds-----	Pound	94,287	104,352	118,776	137,174	150,283	162,420	189,593
Tractors on farm-----	Number	.17	.20	.21	.21	.21	.21	.21
Total cash receipts-----	Dollar	1,775	2,027	2,687	2,905	2,758	3,393	3,723
Broilers-----	do.	1,775	2,027	2,687	2,905	2,758	3,393	3,723
Total cash expenditures ^{1/} -----	do.	2,007	2,175	2,277	2,148	2,055	2,252	3,964
Machinery-----	do.	772	792	820	797	810	881	1,101
Farm buildings-----	do.	722	808	823	738	668	836	2,321
Hired labor-----	do.	332	373	407	367	311	253	214
Taxes-----	do.	44	54	64	74	78	82	94
Electricity and miscellaneous poultry expense-----	do.	103	110	121	127	141	149	176
Other-----	do.	34	38	42	45	47	51	58
Net cash income-----	do.	-232	-148	410	757	703	1,141	-241
Value of perquisites-----	do.	426	450	481	503	519	528	552
Change in inventory of machinery and buildings-----	do.	670	707	668	467	404	551	1,930
Net farm income-----	do.	864	1,009	1,559	1,727	1,626	2,220	2,241

^{1/} Feed, chicks, medicines, and related items are supplied by the integrators.

TABLE 19. --Broiler farms, Delmarva: Labor, capital, costs and returns, 1957-63

Item	Unit	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	1,160	1,240	1,350	1,440	1,560	1,610	1,830
Operator and family-----	do.	810	860	960	1,080	1,250	1,370	1,630
Hired-----	do.	350	380	390	360	310	240	200
Total farm capital, Jan. 1-----	Dollar	9,760	11,030	12,550	14,020	15,190	16,050	18,050
Land and buildings-----	do.	8,390	9,410	10,650	11,880	12,960	13,570	15,680
Machinery and equipment-----	do.	1,370	1,620	1,900	2,140	2,230	2,480	2,370
Gross farm income-----	do.	2,201	2,477	3,168	3,408	3,277	3,921	4,275
Operating expenses-----	do.	1,337	1,468	1,609	1,681	1,651	1,701	2,034
Net farm income-----	do.	864	1,009	1,559	1,727	1,626	2,220	2,241
Purchasing power in 1947-49 dollars-----	do.	745	855	1,321	1,451	1,366	1,835	1,837
Charge for capital at current interest rates-----	do.	488	662	690	841	911	963	1,083
Return per hour, operator and family labor-----	do.	.46	.40	.91	.82	.57	.92	.71
Charge for capital at 4.1 percent interest-----	do.	400	452	515	575	623	658	740
Return per hour, operator and family labor-----	do.	.57	.65	1.09	1.07	.80	1.14	.92
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Gross farm income-----	---	84	95	121	130	125	150	163
Net farm income-----	---	76	88	136	151	142	194	196
Net farm production-----	---	92	99	109	116	126	132	151
Broilers produced annually-----	---	89	99	112	130	142	156	179
Production per hour of man labor-----	---	99	100	101	101	101	102	103
Production per unit of input-----	---	98	100	102	104	108	108	109
Operating expense per unit of production-----	---	99	101	100	98	89	88	91
Total cost per unit of production-----	---	98	99	103	103	100	103	106
Power and machinery (quantity)-----	---	90	100	110	118	122	134	136
Prices received for products sold-----	---	92	95	113	113	98	114	107
Prices paid, including wages to hired labor-----	---	97	99	104	106	108	110	114

1/ 1957-59 = 100.

TABLE 20. --Broiler-crop farms, Delaware: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm	Acres	106	106	106	106	106	106	109	109	112	113
Cropland harvested	do.	62	68	76	76	80	81	87	85	88	93
Crops harvested:											
Corn	do.	34.3	34.6	35.6	36.7	37.8	38.9	38.4	30.4	34.0	43.5
Soybeans	do.	28.2	33.8	40.6	39.2	41.7	41.7	48.8	54.7	53.6	49.8
Crop yields per harvested acre:											
Corn	Bushel	36.2	36.2	61.6	31.3	62.2	52.9	60.7	58.7	59.6	51.8
Soybeans	do.	18.8	20.2	24.6	18.8	24.1	24.2	25.2	23.7	20.2	17.5
Birds started, per lot	Number	8,740	9,024	9,421	9,868	10,419	10,916	11,462	12,325	13,178	15,109
Broilers produced annually:											
Number	do.	29,992	31,986	34,010	36,000	38,009	40,032	42,572	45,908	49,213	56,280
Pounds	Pound	92,975	99,157	112,233	123,480	131,131	140,112	157,516	169,860	187,009	213,864
Tractors on farm	Number	1.18	1.20	1.23	1.27	1.30	1.33	1.35	1.40	1.43	1.45
Total cash receipts	Dollar	4,995	7,371	7,852	5,562	7,684	7,959	8,935	8,617	9,202	9,642
Broilers	do.	1,728	4,194	2,578	2,325	2,547	3,169	3,336	3,124	3,907	4,199
Crops	do.	3,063	2,999	5,018	3,094	4,999	4,668	5,479	5,162	5,083	5,372
Livestock and livestock products	do.	179	141	214	96	99	79	77	---	---	---
Other, including Government payments	do.	25	37	42	47	39	43	43	331	212	71
Total cash expenditures 1/	do.	3,060	3,212	3,274	3,386	3,645	3,840	4,440	4,320	4,807	6,966
Feed and other livestock expense	do.	160	114	86	56	58	44	48	36	38	44
Fertilizer and lime	do.	521	526	524	556	566	538	545	481	492	585
Other crop expense	do.	204	227	227	240	260	269	277	252	277	314
Machinery	do.	1,356	1,419	1,466	1,534	1,581	1,742	2,053	1,948	2,102	2,518
Farm buildings and fences	do.	393	482	497	522	679	712	942	996	1,242	2,774
Hired labor	do.	194	200	214	209	217	237	260	279	307	343
Taxes	do.	96	102	113	120	130	139	151	151	158	171
Other	do.	136	142	147	149	154	159	164	177	191	217
Net cash farm income	do.	1,935	4,159	4,578	2,176	4,039	4,119	4,495	4,297	4,395	2,676
Value of perquisites	do.	524	508	512	478	497	528	551	558	572	596
Change in inventory:											
Crops and livestock	do.	-55	-71	-254	-18	-19	0	-39	---	---	---
Machinery and buildings	do.	196	309	304	293	403	497	938	770	1,012	2,682
Net farm income	do.	2,600	4,905	5,140	2,929	4,920	5,144	5,945	5,625	5,979	5,954

1/ Feed, chicks, medicines, and related items are supplied by the broiler contracting firms.

TABLE 21. --Broiler-crop farms, Delmarva: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	2,280	2,250	2,220	2,180	2,230	2,300	2,290	2,430	2,470	2,650
Operator and family-----	do.	2,050	2,030	2,000	1,960	2,010	2,070	2,040	2,150	2,180	2,330
Hired-----	do.	230	220	220	220	220	230	250	280	290	320
Total farm capital, Jan. 1-----	Dollar	22,540	25,170	28,630	28,670	29,880	34,180	40,250	40,990	45,200	46,860
Land and buildings-----	do.	16,480	18,920	22,060	21,840	22,700	26,610	32,220	32,560	36,050	37,340
Machinery and equipment-----	do.	5,540	5,850	6,260	6,760	7,120	7,520	7,990	8,430	9,150	9,520
Livestock-----	do.	410	300	230	40	30	30	20	---	---	---
Crops-----	do.	110	100	80	30	30	20	20	---	---	---
Gross farm income-----	do.	5,464	7,808	8,110	6,022	8,162	8,487	9,447	9,175	9,774	10,238
Operating expenses-----	do.	2,864	2,903	2,970	3,093	3,242	3,343	3,502	3,550	3,795	4,284
Net farm income-----	do.	2,600	4,905	5,140	2,929	4,920	5,144	5,945	5,625	5,979	5,954
Purchasing power in 1947-49 dollars-----	do.	2,342	4,419	4,589	2,525	4,169	4,359	4,996	4,627	4,941	4,880
Charge for capital at current interest rates-----	do.	1,047	1,167	1,324	1,473	1,834	1,921	2,459	2,499	2,754	2,859
Return per hour, operator and family labor-----	do.	.76	1.84	1.91	.74	1.54	1.56	1.71	1.45	1.48	1.33
Charge for capital at 4.1 percent interest ^{1/} -----	do.	957	1,066	1,210	1,214	1,266	1,442	1,694	1,721	1,895	1,968
Return per hour, operator and family labor-----	do.	.80	1.89	1.96	.88	1.82	1.79	2.08	1.82	1.87	1.71
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Gross farm income-----	---	72	103	107	80	108	112	125	121	129	135
Net farm income-----	---	60	113	119	67	114	119	137	130	138	137
Net farm production-----	---	72	77	103	80	112	108	121	116	117	122
Broiler produced annually-----	---	71	75	85	94	100	106	120	129	142	163
Production per hour of man labor-----	---	70	77	104	82	113	105	118	106	106	103
Production per unit of input-----	---	76	79	104	83	110	107	118	110	108	103
Operating expense per unit of production-----	---	119	112	88	116	89	95	89	95	100	108
Total cost per unit of production-----	---	114	111	89	115	88	97	92	98	104	109
Power and machinery (quantity)-----	---	95	97	98	99	99	102	104	106	122	127
Prices received for products sold-----	---	100	136	104	99	97	104	104	102	109	111
Prices paid, including wages to hired labor-----	---	93	92	93	97	100	103	107	107	108	110

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 22. --Broiler farms, Georgia: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farms-----	Acre	61	61	62	63	64	65	65	65	65	65
Cropland harvested-----	do.	9.76	7.25	6.46	6.41	6.36	6.10	5.55	4.85	4.35	3.85
Crops harvested:											
Corn-----	do.	7.56	5.15	4.41	4.41	4.41	4.20	3.90	3.50	3.10	2.80
Hay-----	do.	2.20	2.10	2.05	2.00	1.95	1.90	1.65	1.35	1.25	1.05
Crop yields per harvested acre:											
Corn-----	Bushel	10.0	28.1	23.2	23.9	31.2	29.1	32.3	37.1	30.0	43.0
Hay-----	Ton	.68	.79	.93	1.06	1.18	1.27	1.24	1.35	1.34	1.58
Livestock on farm, Jan. 1:											
All cattle-----	Number	4.70	5.04	5.38	5.72	6.06	6.40	6.40	6.40	6.40	6.40
Hogs-----	do.	2.20	2.30	2.40	2.50	2.60	2.70	2.20	1.70	1.20	.80
Birds started, per lot-----	do.	4,703	4,994	5,523	6,056	6,432	6,463	6,610	6,917	7,068	7,203
Broilers produced annually:											
Number-----	do.	14,218	15,692	18,311	20,503	22,548	23,197	24,114	24,979	25,850	26,966
Pounds-----	Pound	42,654	47,233	56,764	65,610	72,154	74,230	79,576	82,431	85,305	88,988
Tractors on farm-----	Number	.480	.485	.505	.555	.595	.640	.640	.640	.640	.640
Total cash receipts-----	Dollar	1,616	1,786	1,693	1,876	2,147	2,013	2,077	2,142	2,201	2,163
Broilers-----	do.	1,280	1,475	1,352	1,493	1,702	1,576	1,668	1,678	1,758	1,672
Livestock and livestock products-----	do.	197	166	179	196	265	257	227	243	206	179
Crops-----	do.	40	27	32	33	23	9	18	45	54	75
Other, including Government payments-----	do.	99	118	130	154	157	171	164	176	183	237
Total cash expenditures ^{1/} -----	do.	1,242	1,448	1,651	1,955	1,808	1,797	1,656	1,865	1,807	1,826
Feed purchased and livestock expense-----	do.	230	244	276	309	342	356	364	377	385	395
Fertilizer and lime and other crop expense-----	do.	70	50	43	44	48	48	44	41	37	34
Machinery-----	do.	640	744	846	980	977	894	883	920	894	898
Farm buildings and fences-----	do.	207	302	374	484	296	340	255	337	278	277
Hired labor-----	do.	36	46	45	60	62	69	75	84	95	99
Taxes-----	do.	27	28	30	35	37	42	46	51	56	58
Other-----	do.	32	34	37	43	46	48	50	55	62	65
Net cash farm income-----	do.	374	338	42	-32	339	216	421	277	456	337
Value of perquisites-----	do.	448	435	460	462	465	468	441	429	440	454
Change in inventory:											
Crops and livestock-----	do.	-49	46	-10	7	52	-20	2	-5	-23	24
Machinery and buildings-----	do.	254	377	455	575	297	174	46	135	26	-12
Net farm income-----	do.	1,027	1,196	947	965	1,153	838	910	836	837	803

^{1/} Feed, chicks, and medicines are supplied by the broiler contracting firms. Fuel and litter are supplied by the grower.

TABLE 23. --Broiler farms, Georgia: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	1,710	1,640	1,640	1,650	1,700	1,700	1,620	1,610	1,570	1,580
Operator and family-----	do.	1,640	1,560	1,570	1,550	1,600	1,590	1,510	1,480	1,430	1,440
Hired-----	do.	70	80	70	100	100	110	110	130	140	140
Total farm capital, Jan. 1-----	Dollar	8,830	9,260	10,410	11,580	12,560	13,660	14,380	14,530	15,710	16,050
Land and buildings-----	do.	6,010	6,310	7,140	7,850	8,280	8,820	9,530	9,650	10,730	11,020
Machinery and equipment-----	do.	2,210	2,390	2,710	3,140	3,560	3,920	4,000	4,010	4,080	4,130
Livestock-----	do.	420	400	420	470	600	780	720	710	730	730
Crops-----	do.	190	160	140	120	120	140	130	160	170	170
Gross farm income-----	do.	2,015	2,267	2,143	2,345	2,664	2,461	2,520	2,566	2,618	2,641
Operating expenses-----	do.	988	1,071	1,196	1,380	1,511	1,623	1,610	1,730	1,781	1,838
Net farm income-----	do.	1,027	1,196	947	965	1,153	838	910	836	837	803
Purchasing power in 1947-49 dollars-----	do.	925	1,077	846	832	977	710	765	703	692	658
Charge for capital at current interest rates-----	do.	442	463	520	579	754	751	863	872	943	963
Return per hour, operator and family labor-----	do.	.36	.47	.27	.25	.25	.05	.03	-.02	-.07	-.11
Charge for capital at 4.1 percent interest-----	do.	362	380	427	475	515	560	590	596	644	658
Return per hour, operator and family labor-----	do.	.41	.52	.33	.32	.40	.17	.21	.16	.13	.10
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Gross farm income-----	---	81	91	86	94	107	99	101	103	105	106
Net farm income-----	---	104	121	96	98	117	85	92	85	85	82
Net farm production-----	---	72	80	88	94	103	103	105	108	107	112
Broilers produced annually-----	---	60	67	80	93	102	105	113	117	121	126
Production per hour of man labor-----	---	70	82	90	96	102	102	109	112	108	120
Production per unit of input-----	---	82	90	96	97	101	102	103	105	104	107
Operating expense per unit of production-----	---	91	89	90	98	98	104	102	107	111	109
Total cost per unit of production-----	---	103	97	98	99	98	103	102	103	107	106
Power and machinery (quantity)-----	---	73	81	88	96	101	103	103	103	102	100
Prices received for products sold-----	---	118	120	99	100	105	95	96	94	96	88
Prices paid, including wages to hired labor-----	---	89	90	94	98	100	102	100	105	106	108

¹/ 1957-59 = 100.

TABLE 24.--Hog-dairy farms, Corn Belt: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	162	163	165	167	170	174	178	182	184	186
Cropland harvested-----	do.	105	110	115	120	122	127	132	119	118	123
Crops harvested:											
Corn for grain-----	do.	40.0	42.8	47.4	50.3	53.4	57.3	62.0	47.9	46.5	51.0
Corn for silage-----	do.	3.0	3.7	3.8	4.0	4.1	4.2	4.4	4.9	5.5	6.0
Oats-----	do.	31.1	31.0	32.0	34.0	33.0	33.1	32.8	33.0	32.0	32.7
Hay-----	do.	30.9	32.2	31.8	31.8	31.7	32.7	33.0	33.0	33.8	33.5
Crop yields per harvested acre:											
Corn for grain-----	Bushel	70.8	58.8	70.0	71.0	70.0	72.0	70.6	72.1	72.9	76.0
Corn for silage-----	Ton	12.0	10.5	13.2	13.0	12.5	13.5	11.9	15.7	15.7	15.9
Oats-----	Bushel	45.7	52.9	48.3	51.6	57.2	49.8	44.7	52.6	48.1	54.3
Hay-----	Ton	2.2	2.3	2.1	2.3	2.3	2.4	2.7	2.5	2.6	2.5
Livestock on farm, Jan. 1:											
All cattle-----	Number	31.0	31.9	33.5	35.0	36.1	37.0	37.3	38.4	39.1	40.3
Cows and heifers, 2 years old and over-----	do.	17.1	17.6	18.5	19.6	20.5	21.4	21.2	21.8	22.0	22.5
Pigs raised-----	do.	136	156	163	181	192	205	202	230	227	231
Milk production per cow-----	Pound	6,280	6,450	6,650	6,920	7,190	7,540	7,950	8,350	8,710	9,100
Tractors on farm-----	Number	1.58	1.79	1.96	2.06	2.08	2.10	2.12	2.15	2.17	2.17
Total cash receipts-----	Dollar	10,695	9,225	10,607	12,893	14,972	13,769	14,044	16,430	16,560	16,772
Crops-----	do.	668	50	654	616	608	746	514	0	0	0
Cattle and calves-----	do.	1,004	912	968	1,240	1,738	1,916	1,539	1,689	1,687	1,704
Hogs-----	do.	5,887	4,967	5,239	6,823	8,088	6,234	6,633	8,199	8,201	7,849
Dairy products-----	do.	2,876	3,054	3,461	3,961	4,264	4,780	5,285	5,969	6,041	6,511
Eggs-----	do.	229	219	184	131	108	57	36	36	33	34
Other, including Government payments-----	do.	31	23	101	122	166	36	37	537	598	674
Total cash expenditures-----	do.	6,321	6,226	6,682	7,180	7,828	8,950	9,184	10,284	11,161	11,281
Feed purchased-----	do.	1,093	964	1,170	1,139	1,342	1,752	1,718	2,473	3,101	2,752
Livestock expense-----	do.	467	517	576	636	694	796	834	945	980	1,056
Fertilizer and lime-----	do.	421	432	477	532	589	585	611	618	617	627
Other crop expense-----	do.	406	483	455	525	503	562	594	522	556	611
Machinery-----	do.	2,015	1,888	2,028	2,161	2,269	2,522	2,672	2,802	2,872	3,011
Farm buildings and fences-----	do.	550	546	517	565	648	753	775	797	830	885
Labor hired-----	do.	711	716	735	835	923	1,029	987	1,062	1,081	1,147
Taxes-----	do.	458	467	494	564	599	677	709	770	814	860
Other-----	do.	200	213	230	243	261	274	284	295	310	332
Net cash farm income-----	do.	4,374	2,999	3,925	5,713	7,144	4,819	4,860	6,146	5,399	5,491
Value of perquisites-----	do.	743	740	770	785	822	809	830	833	848	843
Change in inventory:											
Crops and livestock-----	do.	631	349	408	513	519	37	701	253	469	188
Machinery and buildings-----	do.	264	96	61	68	124	284	250	242	254	302
Net farm income-----	do.	6,012	4,184	5,164	7,079	8,609	5,949	6,641	7,474	6,970	6,824

TABLE 25.--Hog-dairy farms, Corn Belt: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,360	4,340	4,340	4,430	4,500	4,550	4,500	4,550	4,550	4,580
Operator and family-----	do.	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600
Hired-----	do.	760	740	740	830	900	950	900	950	950	980
Total farm capital, Jan. 1-----	Dollar	44,020	46,200	48,390	52,500	55,360	63,500	64,870	65,570	68,420	69,760
Land and buildings-----	do.	28,510	30,810	33,170	35,740	37,230	43,150	46,100	45,140	46,920	47,800
Machinery and equipment-----	do.	5,490	5,730	5,080	6,500	6,850	7,150	7,500	7,750	7,880	8,080
Livestock-----	do.	6,100	5,550	5,010	5,940	7,440	9,070	7,310	8,350	8,730	8,760
Crops-----	do.	3,920	4,110	4,130	4,320	3,840	4,130	3,960	4,330	4,890	5,120
Gross farm income-----	do.	12,069	10,314	11,785	14,191	16,313	14,615	15,575	17,516	17,877	17,803
Operating expenses-----	do.	6,057	6,130	6,621	7,112	7,704	8,666	8,934	10,042	10,907	10,979
Net farm income-----	do.	6,012	4,184	5,164	7,079	8,609	5,949	6,641	7,474	6,970	6,824
Purchasing power in 1947-49 dollars-----	do.	5,415	3,769	4,611	6,103	7,296	5,042	5,581	6,281	5,760	5,593
Charge for capital at current interest rates-----	do.	1,761	1,848	1,936	2,415	3,045	3,175	3,892	3,803	3,763	3,837
Return per hour, operator and family labor-----	do.	1.18	.65	.90	1.30	1.55	.77	.76	1.02	.89	.83
Charge for capital at 4.1 percent interest-----	do.	1,805	1,894	1,984	2,152	2,270	2,604	2,660	2,688	2,805	2,860
Return per hour, operator and family labor-----	do.	1.17	.64	.88	1.37	1.76	.93	1.11	1.33	1.16	1.10
INDEX NUMBERS ¹											
Gross farm income-----	---	80	69	72	94	109	97	104	116	119	118
Net farm income-----	---	83	58	72	98	119	83	92	104	97	95
Net farm production-----	---	77	80	88	95	100	105	106	104	105	113
Crop yields per acre-----	---	97	89	96	99	100	101	100	103	103	107
Production per hour of man labor-----	---	80	82	91	97	100	103	106	103	103	111
Production per unit of input-----	---	86	88	94	98	100	102	101	98	97	102
Operating expense per unit of production-----	---	102	100	97	96	99	105	106	115	121	117
Total cost per unit of production-----	---	107	106	100	98	99	103	104	108	111	108
Power and machinery (quantity)-----	---	96	97	98	99	100	101	105	106	106	106
Prices received for products sold-----	---	107	87	88	100	108	92	97	102	100	95
Prices paid, including wages to hired labor-----	---	95	94	95	97	99	104	105	106	107	110

¹/ 1957-59 = 100.

TABLE 26.--Hog fattening--beef raising farms, Corn Belt: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	216	222	228	234	240	244	251	259	267	280
Cropland harvested-----	do.	97	102	105	106	108	110	116	112	119	132
Crops harvested:											
Corn-----	do.	32.2	37.8	38.7	36.2	36.3	44.3	45.8	38.6	41.0	55.0
Oats-----	do.	21.3	22.0	21.2	21.0	20.2	19.2	19.1	19.2	18.0	16.0
Soybeans-----	do.	10.7	11.2	13.0	15.0	14.3	13.6	15.8	20.7	24.0	26.0
Hay-----	do.	32.8	31.0	32.1	33.8	37.2	32.9	35.3	33.7	36.0	34.9
Crop yields per harvested acre:											
Corn for grain-----	Bushel	32.8	47.1	56.1	57.5	67.2	61.4	56.1	61.0	61.0	63.0
Oats-----	do.	42.8	50.6	31.7	37.0	43.7	27.8	38.3	40.4	38.0	45.4
Soybeans-----	do.	21.5	20.4	24.1	24.6	27.8	24.9	23.3	26.7	25.5	27.4
Hay-----	Ton	1.4	1.6	1.4	1.7	1.8	1.8	1.8	1.9	1.9	1.9
Livestock on farm, Jan. 1:											
All cattle-----	Number	31.3	31.9	33.1	32.8	32.9	34.0	36.7	38.9	39.9	41.0
Cows and heifers, 2 years old and over-----	do.	19.2	19.6	19.9	19.8	19.5	19.9	20.0	19.9	21.0	21.3
Chickens-----	do.	90	89	85	88	75	70	63	57	52	53
Pigs raised-----	do.	72.3	86.7	84.3	89.2	96.5	101.6	98.0	113.0	125.0	137.0
Tractors on farm-----	do.	1.37	1.47	1.57	1.62	1.67	1.70	1.72	1.75	1.78	1.79
Total cash receipts-----	Dollar	6,323	5,259	6,114	7,366	8,598	7,311	7,418	8,445	9,386	9,221
Crops-----	do.	546	482	712	1,014	1,532	1,499	1,536	1,230	1,421	1,766
Cattle and calves-----	do.	1,756	1,464	1,722	1,882	2,104	2,023	2,094	2,276	2,596	1,994
Hogs-----	do.	3,178	2,473	2,663	3,387	3,777	3,012	3,125	3,900	4,434	4,333
Dairy products-----	do.	416	394	421	431	432	398	288	256	196	146
Poultry and eggs-----	do.	364	395	409	373	355	231	235	253	197	202
Other, including Government payments-----	do.	63	51	187	279	398	148	140	530	542	780
Total cash expenditures-----	do.	4,008	4,074	4,097	4,578	4,986	5,516	5,595	6,003	6,682	7,614
Feed purchased-----	do.	627	720	776	766	768	899	843	968	1,131	1,274
Livestock purchased-----	do.	46	35	51	42	36	36	26	23	23	39
Other livestock expense-----	do.	97	111	124	139	152	166	180	200	221	324
Fertilizer and lime-----	do.	217	207	216	228	379	449	407	512	549	567
Other crop expense-----	do.	192	243	220	246	248	286	324	332	392	457
Machinery-----	do.	1,712	1,709	1,578	1,907	2,012	2,211	2,232	2,268	2,315	2,683
Farm buildings and fences-----	do.	441	421	468	557	641	667	672	688	760	825
Labor hired-----	do.	272	214	222	226	235	228	236	240	256	312
Taxes-----	do.	331	344	367	388	430	475	555	630	851	924
Other-----	do.	73	70	75	79	85	99	110	142	184	209
Net cash farm income-----	do.	2,315	1,185	2,017	2,788	3,612	1,795	1,833	2,442	2,704	1,607
Value of perquisites-----	do.	501	489	494	514	592	581	639	645	685	725
Change in inventory:											
Crops and livestock-----	do.	-194	796	402	165	451	294	366	580	70	1,242
Machinery and buildings-----	do.	269	208	37	291	408	434	387	375	379	379
Net farm income-----	do.	2,891	2,678	2,950	3,758	5,063	3,104	3,225	4,042	3,838	3,953

TABLE 27. --Hog fattening--beef raising farms, Corn Belt: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,530	3,540	3,520	3,490	3,430	3,490	3,540	3,530	3,660	3,720
Operator and family-----	do.	3,210	3,290	3,270	3,250	3,180	3,250	3,300	3,290	3,410	3,420
Hired-----	do.	320	250	250	240	250	240	240	240	250	300
Total farm capital, Jan. 1-----	Dollar	35,040	35,680	37,340	41,190	44,410	47,880	49,780	51,550	54,500	58,890
Land and buildings-----	do.	21,600	22,450	24,400	27,140	29,280	31,230	33,880	34,480	37,110	41,160
Machinery and equipment-----	do.	4,600	4,710	4,950	5,100	5,310	5,590	5,770	5,940	6,180	6,400
Livestock-----	do.	5,480	5,620	4,760	5,350	6,620	7,770	6,890	7,870	7,410	7,600
Crops-----	do.	3,360	2,900	3,230	3,600	3,200	3,290	3,240	3,260	3,800	3,730
Gross farm income-----	do.	6,630	6,544	7,010	8,045	9,641	8,186	8,423	9,670	10,141	11,188
Operating expenses-----	do.	3,739	3,866	4,060	4,287	4,578	5,082	5,198	5,628	6,303	7,235
Net farm income-----	do.	2,891	2,678	2,950	3,758	5,063	3,104	3,225	4,042	3,838	3,953
Purchasing power in 1947-49 dollars-----	do.	2,604	2,413	2,634	3,240	4,291	2,631	2,710	3,397	3,172	3,240
Charge for capital at current interest rates-----	do.	1,472	1,500	1,574	2,065	2,540	2,505	3,102	3,112	3,135	3,396
Return per hour, operator and family labor-----	do.	.44	.36	.42	.52	.79	.18	.04	.28	.21	.16
Charge for capital at 4.1 percent interest ¹ -----	do.	1,507	1,536	1,611	1,777	1,918	2,074	2,156	2,236	2,371	2,571
Return per hour, operator and family labor-----	do.	.43	.35	.41	.61	.99	.32	.32	.55	.43	.40
INDEX NUMBERS ²											
Gross farm income-----	---	104	76	81	93	112	95	98	112	118	130
Net farm income-----	---	80	67	74	95	127	78	81	102	97	99
Net farm production-----	---	110	86	91	94	103	102	101	105	107	128
Crop yields per acre-----	---	92	87	88	95	109	96	95	102	102	106
Production per hour of man labor-----	---	105	84	90	94	104	102	99	104	102	120
Production per unit of input-----	---	98	93	97	98	103	99	97	97	94	104
Operating expense per unit of production-----	---	120	98	96	98	96	106	109	113	121	117
Total cost per unit of production-----	---	121	100	98	100	97	103	108	108	113	106
Power and machinery (quantity)-----	---	139	101	98	98	100	102	104	105	107	110
Prices received for products sold-----	---	91	90	89	100	109	91	95	102	104	98
Prices paid, including wages to hired labor-----	---	119	95	96	99	100	101	102	103	107	109

¹/ Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

²/ 1957-59 = 100.

TABLE 28.--Hog-beef fattening farms, Corn Belt: Organization, production, income and expenses 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	232	236	239	243	247	251	255	259	263	266
Cropland harvested-----	do.	170	174	171	171	177	191	195	183	186	191
Crops harvested:											
Corn-----	do.	73.8	75.2	74.4	75.0	83.0	98.3	102.4	86.0	89.0	95.2
Oats-----	do.	46.2	45.9	43.5	43.0	40.0	18.0	37.0	36.0	34.0	33.0
Soybeans-----	do.	7.4	8.8	9.0	9.4	10.2	8.9	9.6	15.0	16.7	17.6
Hay-----	do.	38.4	38.1	36.8	36.0	35.6	35.6	35.4	35.2	35.2	34.1
Crop yields per harvested acre:											
Corn for grain-----	Bushel	59.1	51.6	58.3	66.4	70.8	68.9	64.7	74.9	81.3	80.2
Oats-----	do.	43.7	50.3	33.7	44.9	52.9	45.0	45.8	47.9	46.6	48.0
Soybeans-----	do.	29.6	21.0	22.1	27.3	28.5	27.4	27.2	30.6	29.4	32.0
Hay-----	Ton	2.0	1.8	1.7	2.1	2.2	2.2	2.4	2.3	2.6	2.4
Livestock on farm, Jan. 1:											
All cattle-----	Number	55.0	59.4	60.2	59.9	62.0	63.0	60.7	68.3	78.3	82.0
Cows and heifers, 2 years old and over-----	do.	6.3	6.5	5.5	5.5	3.5	2.2	2.0	2.0	2.0	2.0
Purchased feeder cattle-----	do.	43.0	47.0	47.5	48.0	52.0	56.2	55.4	63.1	73.1	76.8
Pigs raised-----	do.	194	206	216	226	229	235	244	264	269	283
Tractors on farm-----	do.	1.92	2.02	2.12	2.22	2.30	2.37	2.43	2.52	2.58	2.62
Total cash receipts-----											
Crops-----	Dollar	21,813	18,650	20,892	22,957	26,408	24,052	23,386	27,837	35,550	32,116
Cattle-----	do.	513	397	417	513	733	744	672	1,019	1,276	1,345
Hogs-----	do.	12,069	11,413	13,424	13,432	15,490	15,909	14,219	16,650	23,958	20,427
Other livestock and livestock products-----	do.	8,818	6,463	6,530	8,517	9,585	7,111	8,184	9,453	9,566	9,217
Other, including Government payments-----	do.	360	337	292	189	189	134	142	128	103	106
Other, including Government payments-----	do.	53	40	229	306	411	154	169	587	647	1,021
Total cash expenditures-----											
Feed purchased-----	do.	13,569	15,382	15,356	14,341	15,541	18,392	19,111	21,203	24,276	26,554
Livestock purchased-----	do.	2,976	3,590	4,029	2,700	2,089	1,950	3,203	5,204	5,877	6,307
Other livestock expense-----	do.	4,739	5,809	5,465	5,390	6,702	9,033	8,322	8,088	9,693	10,983
Fertilizer and lime-----	do.	420	453	473	507	540	596	633	715	799	859
Other crop expense-----	do.	336	329	316	371	572	729	763	789	840	916
Machinery-----	do.	570	655	591	681	685	794	832	790	885	964
Farm buildings and fences-----	do.	2,464	2,435	2,451	2,597	2,797	2,971	3,035	3,203	3,424	3,565
Labor hired-----	do.	521	533	533	549	570	579	595	618	631	645
Taxes-----	do.	734	742	618	592	547	596	534	519	760	850
Other-----	do.	614	632	668	734	802	894	939	1,014	1,093	1,176
Other-----	do.	195	204	212	220	237	250	255	263	274	289
Net cash farm income-----	do.	8,244	3,268	5,536	8,616	10,867	5,660	4,275	6,634	11,274	5,562
Value of perquisites-----	do.	824	817	848	864	894	867	887	888	921	899
Change in inventory:											
Crops and livestock-----	do.	779	218	410	144	43	-117	1,382	1,263	707	319
Machinery and buildings-----	do.	164	88	47	32	157	178	140	162	220	235
Net farm income-----	do.	10,011	4,391	6,841	9,656	11,961	6,588	6,684	8,947	13,122	7,006

TABLE 29. --Hog-beef fattening farms, Corn Belt: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,950	3,950	3,820	3,780	3,730	3,750	3,680	3,660	3,860	3,920
Operator and family-----	do.	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Hired-----	do.	750	750	620	580	530	550	480	460	660	720
Total farm capital, Jan. 1-----	Dollar	76,050	82,060	81,780	86,730	92,080	99,950	102,170	103,890	113,770	122,990
Land and buildings-----	do.	51,270	56,170	56,640	60,260	64,710	69,020	73,180	72,520	77,850	84,320
Machinery and equipment-----	do.	6,940	7,110	7,530	8,000	8,310	8,730	9,040	9,440	9,700	10,100
Livestock-----	do.	9,170	9,760	8,690	9,600	11,660	14,440	12,530	13,400	15,540	17,230
Crops-----	do.	8,670	9,020	8,920	8,870	7,400	7,760	7,420	8,530	10,680	11,340
Gross farm income-----	do.	23,416	19,685	22,150	23,965	27,345	24,802	25,655	29,988	37,178	33,325
Operating expenses-----	do.	13,405	15,294	15,309	14,309	15,384	18,214	18,971	21,041	24,056	26,319
Net farm income-----	do.	10,011	4,391	6,841	9,656	11,961	6,588	6,684	8,947	13,122	7,006
Purchasing power in 1947-49 dollars-----	do.	9,019	3,956	6,108	8,324	10,136	5,583	5,617	7,518	10,845	5,780
Charge for capital at current interest rates-----	do.	3,221	3,482	3,490	4,353	5,244	5,191	6,382	6,346	6,617	7,149
Return per hour, operator and family labor-----	do.	2.12	.28	1.05	1.66	2.10	.44	.09	.81	2.03	-.04
Charge for capital at 4.1 percent interest ^{1/} -----	do.	3,297	3,564	3,572	3,746	3,955	4,291	4,441	4,579	5,025	5,428
Return per hour, operator and family labor-----	do.	2.10	.26	1.02	1.85	2.50	.72	.70	1.36	2.53	.49
INDEX NUMBERS ²											
Gross farm income-----		92	78	87	94	108	98	101	118	147	131
Net farm income-----		106	47	73	103	127	70	71	95	140	75
Net farm production-----		85	83	83	93	103	104	102	107	120	125
Crop yields per acre-----		89	90	82	96	104	100	97	108	115	114
Production per hour of man labor-----		81	79	81	93	103	104	104	109	116	119
Production per unit of input-----		94	91	91	97	102	101	99	99	103	104
Operating expense per unit of production-----		96	104	103	94	95	111	111	109	111	117
Total cost per unit of production-----		97	103	101	96	96	108	108	103	104	108
Power and machinery (quantity)-----		97	98	99	99	100	101	103	106	107	109
Prices received for products sold-----		106	85	93	98	107	95	94	96	107	91
Prices paid, including wages to hired labor-----		91	94	92	91	98	111	107	101	106	112

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 30 --Cash grain farms, Corn Belt: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acra	228	230	232	233	236	242	248	254	261	271
Cropland harvested-----	do.	189	192	193	193	194	200	206	192	198	217
Crops harvested:											
Corn-----	do.	80.8	85.9	83.1	80.0	82.7	95.4	100.8	81.0	85.0	94.4
Small grains-----	do.	46.3	40.2	38.6	38.0	36.4	36.8	35.1	30.3	28.0	29.0
Soybeans-----	do.	46.2	49.1	53.7	56.5	56.6	53.2	56.2	68.0	72.0	80.0
Hay-----	do.	15.7	16.8	17.7	18.2	18.3	14.6	13.9	13.2	13.0	13.5
Crop yields per harvested acre:											
Corn for grain-----	Bushel	63.2	62.5	78.2	76.5	75.5	71.0	81.0	86.1	90.0	92.0
Oats-----	do.	43.3	65.2	55.8	31.4	59.3	35.0	60.8	61.9	58.8	63.0
Soybeans-----	do.	28.8	26.3	31.2	29.8	29.2	27.9	30.2	30.2	30.2	31.2
Hay-----	Ton	1.58	1.92	1.92	1.94	1.90	1.97	2.06	2.11	2.14	2.06
Livestock on farm, Jan. 1:											
All cattle-----	Number	16.1	16.1	17.0	18.3	18.4	18.0	17.7	17.6	16.1	13.4
Cows and heifers, 2 years old and over-----	do.	7.3	7.0	7.2	7.9	7.6	7.5	7.6	7.5	7.1	6.0
Chickens-----	do.	113	113	111	112	98	85	74	68	62	56
Pigs raised-----	do.	30.6	33.8	33.5	34.7	36.2	38.4	35.3	38.4	39.0	35.1
Tractors on farm-----	do.	1.84	1.92	2.00	2.08	2.18	2.30	2.35	2.48	2.50	2.50
Total cash receipts-----											
Crops-----	Dollar	13,861	13,333	15,388	15,271	14,287	13,115	15,059	16,496	18,344	20,878
Cattle and calves-----	do.	10,745	10,773	12,605	10,213	10,699	10,226	12,375	12,224	13,741	16,225
Hogs-----	do.	818	663	623	870	1,090	1,020	895	1,187	1,578	1,357
Dairy products-----	do.	1,339	984	1,015	1,196	1,454	1,168	1,143	1,444	1,432	1,313
Poultry and eggs-----	do.	372	326	270	284	271	245	206	197	122	36
Other, including Government payments-----	do.	519	543	551	492	483	312	306	320	266	229
	do.	68	44	324	216	290	144	134	1,124	1,205	1,718
Total cash expenditures-----											
Feed purchased-----	do.	6,636	6,637	6,900	7,177	7,611	8,034	8,031	8,373	9,019	10,552
Livestock purchased-----	do.	503	488	482	477	466	510	472	512	547	473
Other livestock expense-----	do.	64	55	56	47	42	30	25	19	20	24
Fertilizer and lime-----	do.	87	111	95	95	98	103	88	96	95	89
Other crop expense-----	do.	817	762	782	801	877	990	930	998	1,104	1,571
Machinery-----	do.	401	519	467	496	470	501	539	571	654	771
Farm buildings and fences-----	do.	2,612	2,644	2,813	2,907	3,037	3,130	3,129	3,215	3,604	4,453
Labor hired-----	do.	570	425	500	535	688	665	640	672	705	740
Taxes-----	do.	441	428	367	385	343	333	333	326	336	349
Other-----	do.	1,046	1,108	1,233	1,324	1,476	1,640	1,729	1,788	1,752	1,859
	do.	95	97	105	110	114	132	146	176	202	223
Net cash farm income-----	do.	7,225	6,696	8,488	6,094	6,676	5,081	7,028	8,123	9,325	10,326
Value of perquisites-----	do.	720	710	734	778	842	841	897	916	1,017	1,086
Change in inventory:											
Crops and livestock-----	do.	86	6	108	141	-37	-112	-86	-50	-442	-576
Machinery and buildings-----	do.	3	-182	-120	-139	66	-112	-168	6	165	538
Net farm income-----	do.	8,034	7,230	9,210	6,874	7,547	5,698	7,671	8,995	10,065	11,374

TABLE 31.--Cash grain farms, Corn Belt: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,310	3,400	3,290	3,310	3,290	3,260	3,220	3,130	3,140	3,170
Operator and family-----	do.	2,810	2,920	2,900	2,910	2,940	2,930	2,900	2,820	2,830	2,850
Hired-----	do.	500	480	390	400	350	330	320	310	310	320
Total farm capital, Jan. 1-----	Dollar	80,360	81,800	85,710	93,250	99,100	107,920	109,670	111,990	118,220	129,240
Land and buildings-----	do.	69,310	71,070	75,170	82,020	87,320	95,350	97,710	100,080	105,970	116,800
Machinery and equipment-----	do.	6,460	6,430	6,610	6,960	7,150	7,430	7,410	7,380	7,620	8,080
Livestock-----	do.	2,460	2,210	2,080	2,430	2,850	3,380	2,830	2,980	2,870	2,540
Crops-----	do.	2,130	2,090	1,850	1,840	1,780	1,760	1,720	1,550	1,760	1,800
Gross farm income-----	do.	14,667	14,049	16,230	14,190	15,092	13,844	15,870	17,362	18,919	21,388
Operating expenses-----	do.	6,633	6,819	7,020	7,316	7,545	8,146	8,199	8,367	8,854	10,014
Net farm income-----	do.	8,034	7,230	9,210	6,874	7,547	5,698	7,671	8,995	10,065	11,374
Purchasing power in 1947-49 dollars-----	do.	7,238	6,514	8,223	5,926	6,396	4,829	6,446	7,559	8,228	9,323
Charge for capital at current interest rates-----	do.	3,329	3,386	3,550	4,791	5,585	5,545	6,734	6,311	6,669	7,298
Return per hour, operator and family labor-----	do.	1.67	1.32	1.95	.72	.67	.05	.32	.95	1.27	1.43
Charge for capital at 4.1 percent interest ^{1/} -----	do.	3,410	3,467	3,636	3,952	4,198	4,574	4,650	4,744	5,014	5,490
Return per hour, operator and family labor-----	do.	1.65	1.29	1.92	1.00	1.14	.38	1.04	1.51	1.78	2.06
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Gross farm income-----	---	107	98	113	99	105	96	110	121	132	149
Net farm income-----	---	91	108	137	102	113	85	114	134	150	170
Net farm production-----	---	112	91	105	97	102	101	118	114	120	134
Crop yields per acre-----	---	112	93	109	100	105	95	111	117	119	123
Production per hour of man labor-----	---	117	88	105	96	102	102	121	119	126	140
Production per unit of input-----	---	105	94	107	99	102	99	113	109	109	113
Operating expense per unit of production-----	---	119	97	87	98	97	105	105	111	111	113
Total cost per unit of production-----	---	118	97	87	98	97	105	92	96	96	95
Power and machinery (quantity)-----	---	108	102	101	100	100	100	97	97	100	106
Prices received for products sold-----	---	92	110	109	102	102	96	94	102	105	105
Prices paid, including wages to hired labor-----	---	121	92	94	98	99	103	102	102	100	102

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charges¹ by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 32. --Cotton farms, Southern Piedmont: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm	Acres	175	182	189	196	203	209	214	220	227	233
Cropland harvested	do.	61	60	60	60	62	64	64	68	63	65
Crops harvested:											
Cotton	do.	19.6	18.7	19.0	20.1	21.8	23.3	23.9	25.9	26.4	27.2
Corn	do.	16.8	16.1	15.8	15.6	15.1	15.0	14.6	12.6	12.3	13.3
Small grains	do.	15.7	15.2	15.7	16.0	16.1	17.0	16.6	20.0	14.5	14.5
Hay	do.	8.5	11.0	10.8	10.0	10.6	9.3	9.7	10.6	8.9	10.0
Crop yields per harvested acre:											
Cotton	Pound	263	426	288	300	418	357	302	350	353	381
Corn	Bushel	11.7	26.2	20.8	22.8	31.2	25.8	28.2	31.1	29.5	35.6
Livestock on farm, Jan. 1:											
All cattle	Number	6.9	6.8	7.1	7.4	7.5	8.2	8.3	8.4	8.7	9.0
Milk cows	do.	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Chickens	do.	52	50	48	50	49	52	50	50	50	50
Pigs raised	do.	3.4	4.0	4.1	4.0	4.4	5.5	4.7	3.7	3.7	3.6
Tractors on farm	do.	.67	.72	.75	.77	.80	.82	1.00	1.05	1.10	1.10
Total cash receipts-----Dollar:											
Cotton, lint and seed	do.	3,281	4,497	3,498	3,724	5,413	4,820	4,479	5,649	5,485	6,069
Other crops	do.	1,982	2,951	1,941	2,110	3,478	2,912	2,490	3,335	3,421	3,798
Cattle	do.	717	952	947	864	1,122	944	1,051	1,119	1,074	1,276
Other livestock and livestock products	do.	170	167	178	233	277	387	338	324	359	365
Other, including Government payments	do.	292	273	287	326	347	385	371	357	348	350
	do.	120	154	145	191	189	192	229	314	283	280
Total cash expenditures-----do.											
Feed purchased	do.	2,535	2,888	2,601	2,768	3,339	3,405	3,246	3,693	3,613	3,994
Livestock expense	do.	125	115	109	111	114	118	110	106	107	108
Fertilizer	do.	54	44	43	45	48	47	46	48	48	46
Pesticides and other chemicals	do.	492	488	499	533	616	649	660	717	675	703
Other crop expense	do.	88	56	63	79	82	108	123	156	188	233
Ginning	do.	97	104	83	98	113	113	115	141	121	150
Machinery	do.	89	143	107	123	188	182	148	225	247	272
Machine work hired	do.	785	795	846	853	886	954	931	1,003	980	1,028
Farm buildings and fences	do.	73	70	68	68	80	92	82	100	81	89
Labor, hired and cropper	do.	132	123	130	135	135	138	135	134	134	137
Taxes	do.	502	845	542	602	950	868	733	918	878	1,062
Other	do.	66	72	78	88	94	103	108	111	119	129
	do.	32	31	33	33	33	33	33	34	35	37
Net cash farm income	do.	746	1,609	897	956	2,074	1,415	1,233	1,956	1,872	2,075
Total value of perquisites-----do.											
Perquisites for cropper labor	do.	859	797	808	805	815	777	791	792	798	781
	do.	173	145	135	133	132	111	112	109	103	89
Change in inventory:											
Crops and livestock	do.	11	93	-21	-7	114	-19	-4	59	-43	89
Machinery and buildings	do.	32	12	27	5	6	16	-13	11	19	35
Net farm income	do.	1,475	2,366	1,576	1,626	2,877	2,078	1,895	2,709	2,543	2,891

TABLE 33.--Cotton farms, Southern Piedmont: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,220	4,640	4,000	4,190	4,960	4,870	4,400	4,820	4,710	5,000
Operator and family-----	do.	2,520	2,530	2,380	2,410	2,600	2,550	2,350	2,460	2,390	2,450
Hired-----	do.	380	730	570	750	1,170	1,260	1,120	1,350	1,400	1,680
Cropper-----	do.	1,320	1,380	1,050	1,030	1,190	1,060	930	1,010	920	870
Total farm capital, Jan. 1-----	Dollar	15,170	15,900	17,130	19,090	20,130	22,790	24,480	26,300	28,660	30,740
Land and buildings-----	do.	12,440	13,170	14,300	16,100	16,940	19,220	20,930	22,810	25,020	27,040
Machinery and equipment-----	do.	1,570	1,610	1,710	1,830	1,900	1,990	2,030	2,040	2,090	2,140
Livestock-----	do.	710	610	650	710	830	1,070	1,050	980	1,030	1,080
Crops-----	do.	450	510	470	450	460	510	470	470	520	480
Gross farm income-----	do.	4,151	5,387	4,285	4,522	6,342	5,578	5,266	6,500	6,240	6,939
Operating expenses-----	do.	2,676	3,021	2,709	2,896	3,465	3,500	3,371	3,791	3,697	4,048
Net farm income-----	do.	1,475	2,366	1,576	1,626	2,877	2,078	1,895	2,709	2,543	2,891
Purchasing power in 1947-49 dollars-----	do.	1,329	2,132	1,407	1,402	2,438	1,761	1,592	2,276	2,102	2,370
Charge for capital at current interest rates-----	do.	819	858	920	1,026	1,290	1,344	1,562	1,679	1,820	1,955
Return per hour, operator and family labor-----	do.	.26	.60	.28	.25	.61	.29	.14	.42	.30	.38
Charge for capital at 4.1 percent interest ^{1/} -----	do.	683	715	766	855	907	1,025	1,097	1,179	1,275	1,371
Return per hour, operator and family labor-----	do.	.31	.65	.34	.32	.76	.41	.34	.62	.53	.62
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Gross farm income-----	---	76	98	78	82	116	102	96	119	114	127
Net farm income-----	---	67	108	72	74	131	95	86	123	116	132
Net farm production-----	---	73	101	80	84	112	104	98	117	111	125
Crop yields per acre-----	---	73	110	85	85	115	100	92	106	103	113
Production per hour of man labor-----	---	81	101	93	94	106	100	104	113	110	116
Production per unit of input-----	---	81	106	89	90	110	100	97	109	105	112
Operating expense per unit of production-----	---	112	91	103	104	94	102	105	99	101	99
Total cost per unit of production-----	---	110	87	105	106	93	101	106	98	103	100
Power and machinery (quantity)-----	---	97	98	99	99	100	101	100	100	103	102
Prices received for products sold-----	---	105	99	98	98	104	98	97	100	102	101
Prices paid, including wages to hired labor ^{3/} -----	---	93	98	94	96	103	101	101	105	105	107

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

^{3/} Includes cropper labor.

TABLE 34. --Small cotton farms, Delta: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	56	57	57	58	58	58	58	59	59	60
Cropland harvested-----	do.	33	34	33	34	33	36	36	38	38	38
Crops harvested:											
Cotton-----	do.	18	17	15	15	14	16	16	18	18	16
Corn-----	do.	8	8	7	6	6	5	5	4	3	3
Soybeans-----	do.	5	6	7	9	11	13	13	14	15	17
Hay-----	do.	3	2	2	2	1	1	1	1	1	1
Crop yields per harvested acre:											
Cotton-----	Pound	382	540	513	410	401	543	472	484	494	626
Corn-----	Bushel	15.2	25.8	20.5	19.6	20.2	29.1	27.1	35.1	27.1	31.9
Soybeans-----	do.	15.2	20.5	17.5	22.6	24.3	24.5	21.8	21.9	21.2	19.3
Hay-----	Ton	.8	1.1	1.2	1.2	1.4	1.3	1.2	1.4	1.1	1.2
Livestock on farm, Jan. 1:											
All cattle-----	Number	3.8	3.9	4.1	4.2	4.0	3.6	3.6	3.7	3.7	3.8
Milk cows-----	do.	1.3	1.3	1.3	1.3	1.2	1.1	1.1	1.0	1.0	.9
Chickens-----	do.	33	35	34	35	34	36	36	36	36	36
Pigs raised-----	do.	5.7	6.0	7.5	9.0	7.1	8.3	7.1	7.2	6.1	6.6
Tractors on farm-----	do.	.70	.78	.84	.89	.92	.92	.92	.96	.98	1.05
Total cash receipts-----	Dollar	3,134	3,984	3,549	3,166	3,115	4,169	3,665	4,265	4,280	5,108
Cotton, lint and seed-----	do.	2,682	3,395	2,963	2,257	2,134	3,133	2,687	3,164	3,186	3,875
Other crops-----	do.	173	322	245	380	492	592	596	681	701	859
Cattle and hogs-----	do.	226	182	237	417	381	364	280	322	293	273
Poultry and eggs-----	do.	39	68	68	72	76	66	73	75	73	70
Other, including Government payments-----	do.	14	17	36	40	32	14	19	23	27	31
Total cash expenditures-----	do.	2,091	2,292	2,155	2,098	1,976	2,450	2,486	2,720	2,755	2,949
Feed purchased-----	do.	151	112	114	112	115	102	86	106	113	143
Livestock expense-----	do.	28	27	29	28	25	27	23	23	23	15
Fertilizer and lime-----	do.	155	148	147	148	159	159	137	175	176	205
Pesticides and other chemicals-----	do.	42	54	94	54	62	67	66	79	88	82
Other crop expense-----	do.	110	113	97	109	131	118	125	143	132	172
Ginning-----	do.	191	253	236	194	182	271	247	290	298	349
Machinery-----	do.	913	871	838	800	661	900	1,027	987	1,063	1,127
Machine work hired-----	do.	124	187	165	185	181	278	240	278	323	319
Farm buildings and fences-----	do.	63	65	67	69	50	56	60	62	62	64
Labor hired-----	do.	227	374	275	304	311	365	339	467	364	370
Taxes-----	do.	43	45	49	52	58	65	67	70	72	75
Other-----	do.	44	43	44	43	41	42	39	40	41	28
Net cash farm income-----	do.	1,043	1,692	1,394	1,068	1,139	1,719	1,179	1,545	1,525	2,159
Value of perquisites-----	do.	491	485	507	501	501	482	485	487	516	480
Change in inventory:											
Crops and livestock-----	do.	18	48	44	-79	-66	0	-4	2	-16	13
Machinery and buildings-----	do.	184	109	30	-59	-202	-4	77	1	59	56
Net farm income-----	do.	1,736	2,334	1,975	1,431	1,372	2,197	1,737	2,035	2,084	2,708

TABLE 35.--Small cotton farms, Delta: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,140	3,430	2,980	3,210	3,120	3,350	3,180	3,500	3,150	2,890
Operator and family-----	do.	2,620	2,620	2,370	2,500	2,410	2,550	2,410	2,430	2,310	2,030
Hired-----	do.	520	810	610	710	710	800	770	1,070	840	860
Total farm capital, Jan. 1-----	Dollar	9,610	10,220	11,580	12,520	13,150	13,000	13,550	13,840	14,470	15,460
Land and buildings-----	do.	6,750	7,190	8,280	8,930	9,470	9,310	9,860	10,110	10,620	11,520
Machinery and equipment-----	do.	2,260	2,460	2,710	2,910	2,990	2,940	2,980	3,080	3,150	3,250
Livestock-----	do.	380	350	400	430	480	570	520	470	510	520
Crops-----	do.	220	220	190	250	210	180	190	180	190	170
Gross farm income-----	do.	3,643	4,517	4,100	3,588	3,550	4,651	4,146	4,754	4,780	5,601
Operating expenses-----	do.	1,907	2,183	2,125	2,157	2,178	2,454	2,409	2,719	2,696	2,893
Net farm income-----	do.	1,736	2,334	1,975	1,431	1,372	2,197	1,737	2,035	2,084	2,708
Purchasing power in 1947-49 dollars-----	do.	1,564	2,103	1,763	1,234	1,163	1,862	1,460	1,710	1,722	2,220
Charge for capital at current interest rates-----	do.	424	454	507	609	769	702	866	821	855	912
Return per hour, operator and family labor-----	do.	.50	.72	.62	.33	.25	.59	.36	.50	.53	.88
Charge for capital at 4.1 percent interest ^{1/} -----	do.	434	464	519	559	585	585	609	627	652	696
Return per hour, operator and family labor-----	do.	.50	.71	.61	.35	.33	.63	.47	.58	.62	.99
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Gross farm income-----	---	93	115	104	91	91	118	105	121	122	143
Net farm income-----	---	104	140	118	86	82	132	104	122	125	162
Net farm production-----	---	86	116	104	91	88	121	108	118	119	136
Crop yields per acre-----	---	80	113	105	92	91	117	103	107	106	128
Production per hour of man labor-----	---	89	109	113	92	91	117	109	109	122	152
Production per unit of input-----	---	93	112	106	93	92	115	105	107	110	124
Operating expense per unit of production-----	---	96	83	89	103	107	90	98	101	99	93
Total cost per unit of production-----	---	96	80	88	104	108	88	97	96	96	86
Power and machinery (quantity)-----	---	99	104	105	103	99	98	100	100	105	105
Prices received for products sold-----	---	107	101	100	99	101	100	98	102	102	105
Prices paid, including wages to hired labor-----	---	94	94	95	98	100	102	101	101	102	104

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 36.--Large-scale cotton farms, Delta: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cropland harvested-----	do.	600	598	615	592	600	617	610	623	604	606
Crops harvested:											
Cotton-----	do.	282	248	230	204	210	244	252	267	266	241
Corn-----	do.	63	54	52	49	38	37	29	19	19	15
Oats-----	do.	62	83	74	118	55	47	40	41	28	12
Soybeans-----	do.	164	176	222	179	263	267	264	275	270	300
Hay-----	do.	29	37	37	42	34	22	25	21	21	20
Crop yields per harvested acre:											
Cotton-----	Pound	420	595	535	440	449	609	522	551	553	695
Corn-----	Bushel	22.8	43.4	36.3	37.9	38.1	39.6	36.7	49.9	36.9	46.9
Oats-----	do.	50.1	37.8	52.3	37.6	38.4	38.4	54.1	46.7	48.8	41.9
Soybeans-----	do.	15.0	22.6	19.4	24.6	26.5	27.0	24.0	24.1	22.8	21.2
Hay-----	Ton	1.3	1.6	1.6	1.6	1.8	1.9	1.9	2.1	1.9	1.8
Livestock on farm, Jan. 1:											
All cattle-----	Number	79.8	80.8	86.6	88.3	84.4	71.0	71.0	76.3	75.1	77.4
Pigs raised-----	do.	48.2	48.2	44.1	37.6	29.8	30.5	29.9	28.8	24.8	19.8
Tractors on farm-----	do.	6.40	6.40	6.40	6.40	6.40	6.40	6.50	6.60	6.70	6.70
Total cash receipts-----											
Cotton, lint and seed-----	do.	59,661	70,681	61,935	51,511	57,166	75,078	64,739	74,615	73,073	84,956
Other crops-----	do.	47,226	55,908	46,357	32,867	35,052	54,911	46,897	54,114	54,032	62,885
Cattle and hogs-----	do.	8,776	11,582	12,265	12,579	15,141	15,480	14,465	15,900	14,699	17,256
Other livestock and livestock products-----	do.	3,262	2,750	2,815	4,191	5,448	4,338	3,100	4,224	3,884	4,232
Other, including Government payments-----	do.	207	239	123	124	100	107	32	48	163	156
	do.	190	202	375	1,749	1,425	242	245	329	295	427
Total cash expenditures-----											
Feed purchased-----	do.	39,998	43,300	40,698	38,736	37,795	44,058	42,929	46,197	43,483	46,899
Livestock expense-----	do.	901	791	679	692	658	595	549	575	595	879
Fertilizer and lime-----	do.	305	326	337	347	340	328	301	305	301	283
Pesticides and other chemicals-----	do.	3,335	3,112	2,940	2,856	2,636	2,893	2,823	3,001	2,882	3,251
Other crop expense-----	do.	786	1,325	1,911	1,786	1,443	1,191	1,195	1,642	1,881	1,475
Ginning-----	do.	2,189	2,336	2,031	1,911	2,482	2,267	2,414	2,672	2,795	2,985
Machinery-----	do.	3,293	4,102	3,642	2,809	2,970	4,681	4,196	4,807	4,972	5,645
Machine work hired-----	do.	10,427	11,157	11,191	10,669	8,493	9,554	11,954	12,099	12,479	14,307
Farm buildings and fences-----	do.	835	1,252	1,470	1,244	1,540	1,733	1,659	2,170	2,203	1,560
Labor, hired and cropper-----	do.	1,270	1,090	1,384	1,244	951	1,160	1,239	1,310	1,350	1,505
Taxes-----	do.	15,387	16,520	13,758	13,765	14,771	18,000	14,849	15,809	12,162	13,068
Other-----	do.	1,024	1,049	1,109	1,167	1,263	1,408	1,516	1,571	1,627	1,681
	do.	246	240	246	246	248	248	234	236	236	260
Net cash farm income-----	do.	19,663	27,381	21,237	12,775	19,371	31,020	21,810	28,418	29,590	38,057
Total value of perquisites-----											
Perquisites for cropper labor-----	do.	2,205	2,067	1,937	1,944	1,766	1,647	1,650	1,636	1,530	1,437
	do.	1,111	947	777	720	552	434	449	429	301	223
Change in inventory:											
Crops and livestock-----	do.	-644	154	94	-696	-1,691	12	438	-204	27	-54
Machinery and buildings-----	do.	285	713	589	-207	-2,413	-1,096	1,025	915	817	930
Net farm income-----	do.	20,398	29,368	23,080	13,096	16,481	31,149	24,474	30,336	31,663	40,167

TABLE 37. --Large-scale cotton farms, Delta; Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	35,150	35,370	29,750	33,690	35,300	36,940	31,930	34,260	27,020	26,730
Operator and family-----	do.	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Hired-----	do.	19,160	19,020	17,430	20,910	24,710	27,400	23,140	25,070	20,000	20,500
Cropper-----	do.	12,790	13,150	9,120	9,580	7,390	6,340	5,590	5,990	3,820	3,030
Total farm capital, Jan. 1-----	Dollar	147,300	150,990	179,430	190,880	200,970	198,410	205,850	214,440	233,320	251,190
Land and buildings-----	do.	113,000	117,100	143,500	152,000	160,000	158,000	167,000	174,000	190,000	204,000
Machinery and equipment-----	do.	25,950	26,470	28,580	31,010	32,090	30,550	29,820	31,390	33,300	36,840
Livestock-----	do.	5,170	4,660	5,350	5,650	6,790	8,040	7,220	7,160	8,090	8,470
Crops-----	do.	3,180	2,760	2,000	2,220	2,090	1,820	1,810	1,890	1,930	1,880
Gross farm income-----	do.	61,222	72,902	63,966	52,759	57,241	76,737	66,827	76,047	74,630	86,359
Operating expenses-----	do.	40,824	43,534	40,836	39,663	40,760	45,588	42,353	45,711	42,967	46,192
Net farm income-----	do.	20,398	29,368	23,080	13,096	16,481	31,149	24,474	30,336	31,663	40,167
Purchasing power in 1947-49 dollars-----	do.	18,377	26,458	20,607	11,290	13,967	26,397	20,566	25,492	26,168	32,924
Charge for capital at current interest rates-----	do.	6,831	6,996	8,166	9,643	12,175	11,169	13,558	13,068	14,033	15,128
Return to operator and family labor-----	do.	13,567	22,372	14,914	3,453	4,306	19,980	10,916	17,268	17,630	25,039
Charge for capital at 4.1 percent interest-----	do.	6,978	7,147	8,346	8,879	9,362	9,384	9,647	10,066	10,766	11,612
Return to operator and family labor-----	do.	13,420	22,221	14,734	4,217	7,119	21,765	14,827	20,270	20,897	28,555
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Gross farm income-----		98	117	103	85	92	123	107	122	120	139
Net farm income-----		101	145	114	65	81	154	121	150	156	198
Net farm production-----		91	118	103	84	91	125	111	121	118	133
Crop yields per acre-----		79	111	100	90	93	117	103	107	105	124
Production per hour of man labor-----		91	117	122	88	91	120	122	125	155	176
Production per unit of input-----		92	111	103	88	94	118	110	115	120	129
Operating expense per unit of production-----		104	87	93	110	104	86	90	89	86	82
Total cost per unit of production-----		100	82	91	111	105	84	90	88	88	84
Power and machinery (quantity)-----		100	103	106	106	99	95	99	101	104	112
Prices received for products sold-----		109	102	101	99	100	101	99	103	103	106
Prices paid, including wages to hired labor ^{3/} -----		96	95	96	100	99	101	100	101	104	106

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

^{3/} Includes cropper labor.

TABLE 38. --Cotton farms, Black Prairie, Texas: Organization, production, income, and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm	Acres	174	187	200	212	224	237	249	261	274	287
Cropland harvested	do.	110	117	108	122	126	148	155	151	152	159
Crops harvested:											
Cotton	do.	55.1	52.2	50.9	51.0	46.6	68.0	75.8	77.6	80.6	80.4
Corn	do.	22.6	26.3	24.2	24.8	27.5	24.6	24.0	20.3	21.1	21.5
Oats	do.	11.4	10.7	8.4	11.3	11.8	14.9	14.9	20.3	15.5	15.7
Grain sorghum	do.	8.5	12.8	12.7	20.4	27.4	28.5	28.8	20.3	22.0	26.7
Hay and forage	do.	12.4	14.7	12.0	14.0	12.9	11.8	11.5	12.5	12.9	14.3
Crop yields per harvested acre:											
Cotton	Pound	139	223	131	177	226	199	181	161	190	240
Corn	Bushel	18.2	28.3	15.1	24.4	24.6	29.2	24.9	30.6	30.9	28.6
Livestock on farm, Jan. 1:											
All cattle	Number	12.9	12.8	13.6	13.0	13.3	14.4	15.8	16.0	17.0	18.2
Milk cows	do.	2.1	1.9	1.8	1.6	1.4	1.2	1.0	1.0	1.0	1.0
Beef cows	do.	4.4	4.7	5.2	5.4	5.9	6.5	7.3	7.6	8.0	8.8
Chickens	do.	62	63	63	60	57	63	60	59	59	58
Pigs raised	do.	5.5	6.9	6.2	5.7	6.5	7.2	5.8	5.8	5.8	5.1
Tractors on farm	do.	1.26	1.35	1.44	1.53	1.62	1.71	1.80	1.89	1.98	2.05
Total cash receipts											
Cotton, lint and seed	Dollar	4,602	6,112	4,020	5,398	6,924	7,184	7,175	7,519	8,481	10,269
Other crops	do.	2,891	4,005	2,239	2,878	3,569	4,261	4,268	4,460	5,305	6,734
Cattle	do.	784	1,223	655	1,419	1,817	1,866	1,810	1,780	1,793	2,108
Hogs	do.	334	287	380	373	511	502	594	560	607	707
Other livestock and livestock products	do.	171	167	157	147	183	190	143	156	165	146
Other, including Government payments	do.	312	320	339	287	284	249	234	236	245	246
	do.	110	110	250	294	560	116	126	327	366	328
Total cash expenditures											
Feed purchased	do.	3,267	4,046	3,433	3,940	4,064	4,906	4,860	4,861	5,357	5,449
Livestock expense	do.	185	171	174	161	152	166	151	149	153	157
Pesticides and other chemicals	do.	43	43	49	50	54	55	57	56	56	58
Other crop expense	do.	26	63	25	94	132	116	161	183	185	201
Ginning	do.	222	270	247	305	331	459	523	610	679	759
Machinery	do.	237	342	210	294	348	466	469	452	567	664
Machine work hired	do.	1,251	1,539	1,593	1,790	1,763	2,045	2,099	2,103	2,225	2,293
Farm buildings and fences	do.	245	253	151	252	277	346	361	346	391	441
Labor hired	do.	175	108	168	145	220	255	220	220	246	252
Taxes	do.	734	1,087	632	650	569	759	558	467	553	300
Other	do.	107	117	127	137	150	169	189	201	226	246
	do.	42	53	57	62	68	70	72	74	76	78
Net cash farm income	do.	1,335	2,066	587	1,458	2,860	2,278	2,315	2,658	3,124	4,820
Value of perquisites	do.	526	552	534	569	585	586	577	576	587	584
Change in inventory:											
Crops and livestock	do.	-27	61	-169	56	173	9	12	136	176	-56
Machinery and buildings	do.	-10	100	107	100	40	68	-26	-73	-45	-46
Net farm income	do.	1,824	2,779	1,059	2,183	3,658	2,941	2,878	3,297	3,842	5,302

TABLE 39. --Cotton farms, Black Prairie, Texas: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,670	4,060	3,380	3,350	3,080	3,340	3,190	3,060	3,200	2,800
Operator and family-----	do.	2,270	2,330	2,310	2,270	2,280	2,310	2,310	2,300	2,330	2,310
Hired-----	do.	1,400	1,730	1,070	1,080	800	1,030	880	760	870	490
Total farm capital, Jan. 1-----	Dollar	25,400	27,960	31,820	33,260	37,190	42,550	47,020	49,630	52,380	57,330
Land and buildings-----	do.	20,830	23,450	26,800	27,800	30,600	34,980	39,200	41,550	43,560	47,890
Machinery and equipment-----	do.	2,950	2,970	3,400	3,950	4,500	4,900	5,240	5,610	6,080	6,490
Livestock-----	do.	1,070	1,010	1,110	990	1,560	2,160	2,080	1,960	2,210	2,380
Crops-----	do.	550	530	510	520	530	510	500	510	530	570
Gross farm income-----	do.	5,101	6,725	4,385	6,023	7,682	7,779	7,764	8,231	9,244	10,797
Operating expenses-----	do.	3,277	3,946	3,326	3,840	4,024	4,838	4,886	4,934	5,402	5,495
Net farm income-----	do.	1,824	2,779	1,059	2,183	3,658	2,941	2,878	3,297	3,842	5,302
Purchasing power in 1947-49 dollars-----	do.	1,643	2,504	946	1,882	3,100	2,492	2,418	2,771	3,175	4,346
Charge for capital at current interest rates-----	do.	1,084	1,200	1,342	1,743	2,127	2,230	2,927	2,835	2,994	3,263
Return per hour, operator and family labor-----	do.	.33	.68	-.12	.19	.67	.31	-.02	.20	.36	.88
Charge for capital at 4.1 percent interest ^{1/} -----	do.	1,109	1,228	1,374	1,444	1,607	1,847	2,034	2,140	2,261	2,461
Return per hour, operator and family labor-----	do.	.31	.67	-.14	.33	.90	.47	.37	.50	.68	1.23
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Gross farm income-----	---	71	94	61	84	107	109	108	115	129	151
Net farm income-----	---	62	95	36	75	125	100	98	113	131	181
Net farm production-----	---	66	96	59	85	100	115	116	109	124	144
Crop yields per acre-----	---	70	109	63	91	108	101	94	93	102	115
Production per hour of man labor-----	---	58	77	57	82	106	112	118	116	126	168
Production per unit of input-----	---	77	100	69	91	103	106	105	98	105	118
Operating expense per unit of production-----	---	116	97	130	106	95	99	100	107	103	91
Total cost per unit of production-----	---	107	93	136	107	96	97	101	108	103	92
Power and machinery (quantity)-----	---	78	79	86	94	100	106	112	117	124	129
Prices received for products sold-----	---	112	101	100	98	104	98	97	106	105	107
Prices paid, including wages to hired labor-----	---	91	94	94	98	100	102	103	104	105	104

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 40. --Nonirrigated cotton farms, High Plains, Texas: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	359	374	390	407	425	444	464	484	505	527
Cropland harvested-----	do.	262	254	237	283	297	308	318	324	323	324
Crops harvested:											
Cotton-----	do.	122.0	105.7	103.9	125.3	132.6	148.0	152.0	179.4	177.6	172.0
Grain sorghum-----	do.	130.8	139.4	126.6	150.7	157.9	156.2	160.2	137.6	139.5	145.0
Forage-----	do.	9.0	9.0	6.8	6.8	6.7	4.1	5.7	6.5	6.3	6.6
Crop yields per harvested acre:											
Cotton-----	Pound	154	139	134	239	264	237	279	321	206	253
Grain sorghum-----	Cwt.	6.38	7.17	6.44	10.64	10.64	11.20	15.00	18.05	11.03	12.86
Forage-----	Ton	.9	.9	.6	2.0	1.8	1.2	2.0	2.6	2.5	2.6
Livestock on farm, Jan. 1:											
All cattle-----	Number	5.8	5.5	5.1	4.4	4.8	5.2	5.0	5.2	5.4	5.5
Milk cows-----	do.	1.7	1.3	1.1	1.0	.9	.8	.8	.8	.7	.7
Beef cows-----	do.	1.1	1.5	1.4	1.3	1.5	1.7	1.7	1.8	2.0	2.0
Chickens-----	do.	55	56	51	48	45	40	36	32	29	26
Pigs raised-----	do.	3.8	4.6	4.3	3.9	4.8	5.8	6.3	5.9	5.1	4.5
Tractors on farm-----	do.	1.80	1.85	1.90	1.92	1.95	1.98	2.08	2.10	2.20	2.22
Total cash receipts-----	Dollar	8,867	6,904	7,143	12,696	15,675	14,576	17,649	25,188	15,911	19,050
Cotton, lint and seed-----	do.	6,697	4,843	4,844	9,635	12,032	11,552	13,814	20,203	12,294	14,843
Other crops-----	do.	1,487	1,347	1,382	2,302	2,618	2,382	3,259	3,796	2,422	3,231
Cattle-----	do.	156	158	162	87	155	262	164	188	219	194
Hogs-----	do.	72	119	103	100	155	108	168	183	165	106
Poultry and eggs-----	do.	229	261	236	196	205	144	136	119	105	91
Other, including Government payments-----	do.	226	166	416	376	510	128	108	699	706	585
Total cash expenditures-----	do.	4,706	5,290	4,913	7,537	7,796	8,842	9,020	11,593	8,726	9,652
Feed purchased-----	do.	223	205	179	158	152	148	132	123	121	120
Livestock expense-----	do.	51	50	48	45	46	48	48	46	39	36
Pesticides and other chemicals-----	do.	44	50	51	79	20	6	35	39	27	36
Other crop expense-----	do.	109	153	175	264	246	292	331	396	383	409
Ginning-----	do.	549	444	416	979	1,113	1,158	1,425	2,183	1,416	1,688
Machinery-----	do.	1,981	2,712	2,376	2,383	3,319	4,221	3,657	4,628	4,149	4,418
Machine work hired-----	do.	223	233	216	318	333	330	373	360	304	344
Farm buildings and fences-----	do.	55	130	108	140	170	192	155	170	187	180
Labor hired-----	do.	1,211	1,026	1,035	1,842	2,046	2,063	2,451	3,197	1,625	1,917
Taxes-----	do.	212	236	254	269	285	311	334	353	374	401
Other-----	do.	48	51	55	60	66	73	79	98	101	103
Net cash farm income-----	do.	4,161	1,614	2,230	5,659	7,879	5,734	8,629	13,595	7,185	9,398
Value of perquisites-----	do.	605	629	624	624	647	620	627	624	639	639
Change in inventory:											
Crops and livestock-----	do.	21	-32	-125	132	45	-81	64	22	-32	53
Machinery and buildings-----	do.	-447	72	-285	-36	292	856	55	771	131	230
Net farm income-----	do.	4,340	2,283	2,444	6,379	8,863	7,129	9,375	15,012	7,923	10,320

TABLE 41.--Nonirrigated cotton farms, High Plains, Texas: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,380	3,240	3,250	4,260	4,480	4,530	5,010	6,030	4,000	4,150
Operator and family-----	do.	1,740	1,800	1,760	1,810	1,780	1,800	1,790	1,880	1,950	1,960
Hired-----	do.	1,640	1,440	1,490	2,450	2,700	2,730	3,220	4,150	2,050	2,190
Total farm capital, Jan. 1-----	Dollar	39,660	40,650	41,870	47,640	54,180	60,760	71,640	75,000	78,960	84,950
Land and buildings-----	do.	31,950	33,290	34,320	39,890	45,900	51,950	62,180	65,340	68,170	73,780
Machinery and equipment-----	do.	6,840	6,500	6,810	7,060	7,290	7,700	8,500	8,650	9,700	10,080
Livestock-----	do.	550	500	470	400	640	850	730	730	780	790
Crops-----	do.	320	360	270	290	350	260	230	280	310	300
Gross farm income-----	do.	9,493	7,501	7,642	13,452	16,367	15,115	18,340	25,834	16,518	19,742
Operating expenses-----	do.	5,153	5,218	5,198	7,073	7,504	7,986	8,965	10,822	8,595	9,422
Net farm income-----	do.	4,340	2,283	2,444	6,379	8,863	7,129	9,375	15,012	7,923	10,320
Purchasing power in 1947-49 dollars-----	do.	3,910	2,057	2,182	5,499	7,511	6,042	7,878	12,615	6,548	8,459
Charge for capital at current interest rates-----	do.	1,681	1,723	1,775	2,523	3,128	3,194	4,481	4,333	4,505	4,848
Return per hour, operator and family labor-----	do.	153	.31	.38	2.13	3.22	2.19	2.73	5.68	1.75	2.79
Charge for capital at 4.1 percent interest ^{1/} -----	do.	1,721	1,764	1,817	2,094	2,369	2,647	3,120	3,283	3,399	3,659
Return per hour, operator and family labor-----	do.	1.51	.29	.36	2.37	3.65	2.49	3.49	6.24	2.32	3.40
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Gross farm income-----	---	63	50	51	90	109	101	122	172	110	132
Net farm income-----	---	58	31	33	85	119	96	126	201	106	138
Net farm production-----	---	57	50	46	92	104	104	129	165	107	126
Crop yields per acre-----	---	62	58	55	98	105	97	118	137	88	106
Production per hour of man labor-----	---	75	68	63	96	103	101	114	121	119	134
Production per unit of input-----	---	72	64	59	96	104	100	113	127	96	107
Operating expense per unit of production-----	---	119	135	147	102	96	102	93	88	108	100
Total cost per unit of production-----	---	124	143	155	101	96	103	94	85	114	105
Power and machinery (quantity)-----	---	96	98	94	94	98	108	109	118	120	122
Prices received for products sold-----	---	111	99	107	97	104	99	97	105	102	105
Prices paid, including wages to hired labor-----	---	92	93	94	98	100	102	102	105	106	108

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 42. --Irrigated cotton farms, High Plains, Texas: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm	Acres	315	326	338	351	364	378	392	407	422	438
Cropland harvested	do.	267	275	276	294	301	306	312	301	302	305
Crops harvested:											
Cotton: nonirrigated	do.	19.6	24.9	23.1	24.2	23.8	26.8	30.3	37.6	37.7	34.8
irrigated	do.	111.4	103.7	103.1	106.7	111.7	107.3	110.6	125.5	125.2	123.2
Grain sorghum: nonirrigated	do.	75.4	78.9	81.7	97.9	107.4	109.6	108.9	88.6	85.8	88.7
irrigated	do.	56.3	62.5	62.5	58.9	54.5	58.9	58.5	46.1	48.5	54.6
Forage	do.	4.0	5.4	5.8	6.4	3.8	3.6	3.4	3.5	3.4	3.6
Crop yields per harvested acre:											
Cotton: nonirrigated	Pound	154	139	134	239	277	261	298	321	206	253
irrigated	do.	510	458	555	450	562	528	521	590	591	548
Grain sorghum: nonirrigated	Cwt.	7.3	8.2	7.3	12.4	12.1	12.6	17.1	20.0	11.0	12.9
irrigated	do.	27.6	24.6	29.2	29.7	30.9	27.8	30.7	38.4	32.8	38.5
Forage	Ton	1.9	1.8	2.3	3.0	2.1	2.0	3.0	3.2	3.1	3.7
Livestock on farm, Jan. 1:											
All cattle	Number	5.8	7.6	7.5	7.4	7.2	6.6	6.0	6.0	5.8	5.5
Milk cows	do.	2.2	1.4	1.3	1.2	1.1	1.0	.8	.8	.7	.6
Chickens	do.	55	56	51	48	45	38	33	28	24	21
Pigs raised	do.	8.8	11.1	13.6	11.2	13.0	14.5	9.9	8.9	8.4	6.4
Tractors on farm	do.	2.10	2.20	2.28	2.35	2.38	2.40	2.50	2.52	2.60	2.62
Total cash receipts	Dollar	25,972	20,738	26,421	22,702	29,688	25,976	27,233	37,252	33,398	33,160
Cotton, lint and seed	do.	21,451	16,892	21,111	17,303	23,850	20,765	21,487	30,177	27,679	26,013
Other crops	do.	3,943	2,977	4,315	4,261	4,486	4,104	4,962	5,311	3,898	5,573
Cattle	do.	5	188	174	228	384	376	214	254	288	212
Hogs	do.	252	288	374	365	479	425	280	308	298	155
Poultry and eggs	do.	217	249	224	186	195	126	112	90	70	58
Other, including Government payments	do.	104	144	223	359	294	180	178	1,112	1,165	1,149
Total cash expenditures	do.	14,187	14,393	13,829	13,819	14,610	15,188	15,101	17,068	17,180	16,828
Feed purchased	do.	234	228	207	188	177	163	135	123	115	109
Livestock expense	do.	53	53	52	50	53	50	49	46	43	39
Pesticides and other chemicals	do.	94	174	192	257	197	34	203	225	298	322
Irrigation expense	do.	2,848	3,034	2,502	2,077	1,855	2,404	2,133	2,004	2,637	2,262
Irrigation facilities	do.	944	1,004	533	585	597	562	537	521	540	548
Other crop expense	do.	323	468	588	880	910	962	1,180	1,367	1,389	1,427
Ginning	do.	1,747	1,539	1,803	1,759	2,206	2,100	2,240	3,264	3,187	2,961
Machinery	do.	3,306	3,514	3,229	3,985	4,428	4,767	4,377	4,878	4,914	5,030
Machine work hired	do.	367	389	438	514	535	514	585	576	544	582
Farm buildings and fences	do.	192	182	192	203	213	218	223	223	228	232
Labor hired	do.	3,724	3,413	3,663	2,861	2,948	2,879	2,857	3,185	2,594	2,588
Taxes	do.	277	313	345	369	393	431	470	509	540	574
Other	do.	78	82	85	91	98	104	112	147	151	154
Net cash farm income	do.	11,785	6,345	12,592	8,883	15,078	10,788	12,132	20,184	16,218	16,332
Value of perquisites	do.	846	844	877	890	905	878	846	849	840	823
Change in inventory:											
Crops and livestock	do.	143	22	-1	-35	-90	-160	10	-56	-111	30
Machinery and buildings	do.	593	606	-117	430	671	678	94	480	316	322
Net farm income	do.	13,367	7,817	13,351	10,168	16,564	12,184	13,082	21,457	17,263	17,507

TABLE 43.--Irrigated cotton farms, High Plains, Texas: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	7,000	6,920	7,040	6,150	5,870	6,100	6,120	6,480	5,760	5,720
Operator and family-----	do.	2,200	2,340	2,300	2,380	2,230	2,370	2,390	2,380	2,440	2,390
Hired-----	do.	4,800	4,580	4,740	3,770	3,640	3,730	3,730	4,100	3,320	3,330
Total farm capital, Jan. 1-----	Dollar	84,170	84,410	87,330	94,780	103,080	109,780	120,860	126,150	137,840	139,450
Land and buildings-----	do.	70,240	70,420	72,670	79,680	87,000	92,990	103,880	109,080	113,100	121,330
Machinery and equipment-----	do.	12,730	12,680	13,500	13,820	14,550	15,200	15,700	15,790	16,430	16,890
Livestock-----	do.	660	720	710	670	1,000	1,160	900	880	880	830
Crops-----	do.	540	590	450	610	530	430	380	400	430	400
Gross farm income-----	do.	26,961	21,604	27,297	23,557	30,503	26,694	28,089	38,045	34,127	34,013
Operating expenses-----	do.	13,594	13,787	13,946	13,389	13,939	14,510	15,007	16,588	16,864	16,506
Net farm income-----	do.	13,367	7,817	13,351	10,168	16,564	12,184	13,082	21,457	17,263	17,507
Purchasing power in 1947-49 dollars-----	do.	12,042	7,042	11,921	8,766	14,037	10,325	10,993	18,031	14,267	14,350
Charge for capital at current interest rates-----		3,678	3,693	3,826	5,061	5,928	5,832	7,621	7,314	7,587	8,052
Return per hour, operator and family labor-----	do.	4.40	1.76	4.14	2.15	4.74	2.68	2.28	5.94	3.97	3.96
Charge for capital at 4.1 percent interest ^{1/} -----	do.	3,762	3,778	3,914	4,208	4,545	4,844	5,324	5,548	5,755	6,099
Return per hour, operator and family labor-----	do.	4.37	1.73	4.10	2.50	5.39	3.10	3.25	6.68	4.72	4.77
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Gross farm income-----		100	80	101	88	113	99	104	141	127	126
Net farm income-----		103	60	103	78	129	94	101	165	133	135
Net farm production-----		91	81	94	89	109	102	109	133	122	118
Crop yields per acre-----		92	83	98	91	108	101	106	121	110	109
Production per hour of man labor-----		78	71	81	87	112	101	108	124	128	125
Production per unit of input-----		90	80	92	91	109	100	103	119	108	106
Operating expense per unit of production-----		107	122	106	107	91	102	99	90	99	100
Total cost per unit of production-----		102	116	101	106	92	102	100	89	99	102
Power and machinery (quantity)-----		96	96	97	97	100	103	101	102	105	104
Prices received for products sold-----		112	100	108	98	104	98	97	105	102	105
Prices paid, including wages to hired labor-----		93	95	94	98	100	102	102	106	106	107

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 44. --Cotton-specialty crop farms, San Joaquin Valley, California: Organization, production, income and expenses, 1954-63¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	310	314	319	324	329	334	338	342	346	351
Cropland harvested-----	do.	293	298	302	307	312	316	319	322	320	318
Crops harvested:											
Cotton-----	do.	132	111	115	113	116	138	143	125	127	119
Alfalfa hay-----	do.	47	52	66	64	58	62	65	66	63	72
Potatoes-----	do.	47	67	86	87	86	65	68	80	66	73
Barley-----	do.	36	31	35	43	52	51	43	51	64	54
Crop yields per harvested acre:											
Cotton-----	Pound	795	762	920	1,037	1,033	1,050	958	964	1,085	1,072
Alfalfa hay-----	Ton	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.5
Potatoes-----	Cwt.	285	295	260	310	243	330	332	333	320	330
Barley-----	Bushel	50.0	49.5	49.7	54.4	47.8	50.3	51.4	54.5	61.9	52.1
Total drawbar HP available-----	HP	120	120	120	120	120	120	173	173	179	185
Total cash receipts-----	Dollar	86,723	80,942	148,424	86,641	93,597	127,507	117,966	98,093	107,141	104,389
Cotton, lint and seed-----	do.	40,374	31,331	39,907	40,991	45,014	51,409	49,528	48,368	52,425	49,802
Potatoes-----	do.	36,436	37,554	98,831	35,870	39,079	65,422	57,117	39,694	43,296	39,508
Alfalfa hay-----	do.	4,958	6,864	7,755	7,488	6,844	8,060	9,002	7,029	7,101	11,928
Barley-----	do.	2,088	1,580	1,931	2,292	2,660	2,616	2,319	3,002	4,319	3,151
Corn-----	do.	2,869	3,613	0	0	0	0	0	0	0	0
Total cash expenditures-----	do.	45,637	53,082	60,091	68,603	72,017	70,766	84,281	85,262	78,373	82,022
Labor hired-----	do.	7,778	8,675	9,372	9,494	9,128	10,564	10,671	10,350	9,722	9,994
Pesticides and other chemicals-----	do.	792	757	1,142	1,174	1,619	1,780	2,318	2,216	2,114	2,038
Fertilizer-----	do.	3,191	3,599	3,607	3,745	4,169	4,224	4,646	4,791	5,591	4,178
Other crop expense-----	do.	2,449	4,553	5,837	7,710	12,009	5,621	6,311	9,073	6,474	7,458
Operating costs of machinery-----	do.	3,071	3,018	3,340	4,794	5,192	5,768	6,117	5,934	5,423	5,456
Machinery purchased-----	do.	3,629	3,932	4,130	4,150	4,357	4,517	4,694	4,778	5,886	5,917
Machine work hired-----	do.	12,168	16,378	19,217	22,528	19,704	20,887	23,335	27,520	22,515	25,446
Ginning-----	do.	3,106	2,438	3,150	3,750	3,978	4,811	4,671	4,483	5,333	4,924
Farm buildings-----	do.	188	193	205	212	214	218	253	252	252	249
Irrigation facilities-----	do.	1,486	1,476	1,549	1,597	1,648	1,717	7,887	2,221	2,221	2,263
Irrigation water-----	do.	4,673	4,810	4,953	5,087	5,415	5,653	8,251	8,266	8,211	8,401
Taxes-----	do.	2,308	2,413	2,585	2,790	2,967	3,248	3,211	3,422	3,682	3,665
Workmen's compensation-----	do.	415	468	562	583	588	701	850	886	871	922
Other-----	do.	383	372	442	989	1,029	1,057	1,066	1,070	1,078	1,111
Net cash farm income-----	do.	41,086	27,860	88,333	18,038	21,580	56,741	33,685	12,831	28,768	22,367
Value of perquisites-----	do.	592	611	645	669	675	690	690	685	685	678
Change in inventory of machinery and buildings-----	do.	72	266	273	81	78	78	5,666	0	818	678
Net farm income-----	do.	41,750	28,737	89,251	18,788	22,333	57,509	40,041	13,516	30,271	23,723

¹/ Wholly irrigated.

TABLE 45.--Cotton-specialty crop farms, San Joaquin Valley, California Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	11,180	11,680	12,270	12,820	12,270	13,060	13,170	13,220	12,380	12,680
Operator and family-----	do.	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Hired-----	do.	8,580	9,080	9,670	10,220	9,670	10,460	10,570	10,620	9,780	10,080
Total farm capital, Jan. 1-----	Dollar	192,290	201,000	215,470	232,520	247,250	270,720	276,800	278,360	301,060	305,450
Land and buildings-----	do.	159,400	167,620	180,580	195,950	209,090	231,060	230,990	231,790	253,060	256,090
Irrigation system-----	do.	14,950	15,000	15,300	16,000	16,580	17,290	22,940	22,940	22,940	23,330
Machinery and equipment-----	do.	17,940	18,440	19,590	20,570	21,580	22,370	22,870	23,630	25,060	25,980
Gross farm income-----	do.	87,315	81,553	149,069	87,310	94,272	128,197	116,656	98,778	107,826	105,067
Operating expenses-----	do.	45,565	52,816	59,818	68,522	71,939	70,688	78,615	85,262	77,555	81,344
Net farm income-----	do.	41,750	28,737	89,251	18,788	22,333	57,509	40,041	13,516	30,271	23,723
Purchasing power in 1947-49 dollars-----	do.	37,613	25,889	79,668	16,197	18,926	41,736	33,648	11,358	25,017	19,445
Charge for capital at current interest rates-----	do.	8,681	9,087	9,818	11,849	15,226	15,072	18,600	18,542	18,352	18,629
Return to operator and family labor-----	do.	33,069	19,650	79,433	6,939	7,107	42,437	21,441	-5,026	11,919	5,094
Charge for capital at 4.1 percent interest ^{2/} -----	do.	8,873	9,288	10,033	10,919	11,764	12,636	13,341	13,253	14,137	14,352
Return to operator and family labor-----	do.	32,877	19,449	79,218	7,869	10,569	44,873	26,700	263	16,134	9,371
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Gross farm income-----		85	79	144	85	91	124	115	96	104	102
Net farm income-----		127	87	271	57	68	175	122	41	92	72
Net farm production-----		74	80	90	105	91	104	104	106	103	105
Crop yields per acre-----		89	89	89	103	91	106	103	104	106	108
Production per hour of man labor-----		85	87	94	104	95	101	100	102	105	105
Production per unit of input-----		95	94	99	103	94	103	95	94	96	96
Operating expense per unit of production-----		89	94	94	93	110	97	109	115	109	111
Total cost per unit of production-----		92	96	94	92	110	98	109	113	110	111
Power and machinery-----		97	98	106	99	100	101	111	112	114	115
Prices received for products sold-----		116	99	159	81	99	120	112	91	103	97
Prices paid, including wages to hired labor-----		88	91	94	96	104	100	103	106	105	105

^{1/} Wholly irrigated.
^{2/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.
^{3/} 1957-59 = 100.

TABLE 46.--Medium-sized cotton-general crop farms, San Joaquin Valley, California: Organization, production, income and expenses, 1954-63¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm	Acres	310	314	319	324	329	334	338	342	346	351
Cropland harvested	do.	293	298	302	307	312	316	319	322	320	312
Crops harvested:											
Cotton	do.	118	123	104	127	127	146	152	135	136	128
Alfalfa hay	do.	128	115	151	122	113	112	111	123	111	111
Barley	do.	36	60	23	42	52	41	35	39	44	39
Corn	do.	11	0	24	16	20	17	21	25	29	34
Crop yields per harvested acre:											
Cotton	Pound	795	762	920	1,037	1,033	1,050	958	964	1,085	1,072
Alfalfa hay	Ton	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.5
Barley	Bushel	50.0	49.5	49.7	54.4	47.8	50.3	53.4	54.5	61.9	52.1
Corn	do.	50.1	0	65.0	55.3	55.2	60.6	60.5	62.5	62.0	64.1
Total drawbar HP available	HP	140	140	140	140	140	140	142	142	154	160
Total cash receipts:											
Cotton, lint and seed	Dollar	52,701	52,960	57,660	63,812	66,843	72,947	71,642	69,742	74,129	77,396
Alfalfa hay	do.	36,091	34,721	36,090	46,069	49,281	54,852	52,640	52,237	56,141	53,566
Barley	do.	13,504	15,180	17,743	14,274	13,334	14,560	15,374	13,100	12,520	18,373
Corn	do.	2,088	3,059	1,269	2,239	2,660	2,103	1,888	2,296	2,969	2,276
	do.	1,018	0	2,558	1,330	1,568	1,432	1,740	2,109	2,499	3,181
Total cash expenditures:											
Labor hired	do.	30,572	30,851	33,310	38,034	40,585	44,732	46,160	45,372	47,564	46,588
Pesticides and other chemicals	do.	5,697	5,733	5,838	6,429	6,625	7,797	7,647	7,118	7,165	7,000
Fertilizer	do.	636	686	1,255	1,280	1,562	1,741	1,902	1,722	1,717	1,630
Other crop expense	do.	1,637	1,634	1,806	2,086	2,470	3,005	3,294	3,126	3,272	2,897
Operating costs of machinery	do.	1,114	1,373	1,138	1,613	1,537	1,583	1,628	1,688	1,641	1,685
Machinery purchased	do.	3,218	3,325	3,615	4,794	5,092	5,690	5,861	5,641	5,707	5,660
Machine work hired	do.	4,127	4,437	4,683	4,731	4,971	5,165	4,455	4,545	5,540	5,485
Ginning	do.	2,273	1,759	2,287	2,097	2,566	2,544	3,858	3,879	3,727	3,850
Farm buildings	do.	2,777	2,702	2,848	4,214	4,356	5,090	4,966	4,841	5,711	5,297
Irrigation facilities	do.	188	193	205	212	213	218	218	217	217	216
Irrigation water	do.	1,653	1,644	1,720	1,774	1,831	1,906	1,827	1,827	1,827	1,862
Taxes	do.	4,379	4,371	4,757	4,770	5,081	5,333	5,784	5,824	5,801	5,814
Workmen's compensation	do.	2,356	2,461	2,638	2,845	3,024	3,308	3,250	3,470	3,728	3,643
Other	do.	304	310	282	395	426	501	609	609	642	646
	do.	213	223	242	794	831	851	861	865	869	901
Net cash farm income	do.	22,129	22,109	24,350	25,778	26,258	28,215	25,482	24,370	26,565	30,810
Value of perquisites	do.	592	611	645	699	675	690	690	692	692	689
Change in inventory of machinery and buildings	do.	72	264	273	81	78	78	0	0	704	618
Net farm income	do.	22,793	22,984	25,268	26,558	27,011	28,983	26,172	25,062	27,961	32,117

¹/ Wholly irrigated.

TABLE 47.--Medium-sized cotton-general crop farms, San Joaquin Valley, California: Labor, capital, costs and returns, 1954-63¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	9,300	8,980	9,060	9,450	9,880	10,323	10,380	10,010	9,860	9,620
Operator and family-----	do.	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Hired-----	do.	6,700	6,380	6,460	6,850	7,280	7,720	7,780	7,410	7,260	7,020
Total farm capital, Jan. 1-----	Dollar	196,280	105,120	219,810	237,070	252,000	275,680	274,160	275,530	298,300	303,580
Land and buildings-----	do.	159,400	167,620	180,580	195,950	209,090	231,060	230,990	231,880	253,150	256,950
Irrigation system-----	do.	16,640	16,710	17,040	17,810	18,440	19,210	19,210	19,210	19,210	19,570
Machinery and equipment-----	do.	20,240	20,790	22,190	23,310	24,470	25,410	23,960	24,440	25,940	27,060
Gross farm income-----	do.	53,293	53,571	58,305	64,511	67,518	73,637	72,332	70,434	74,821	78,085
Operating expenses-----	do.	30,500	30,587	33,037	37,953	40,507	44,654	46,160	45,372	46,860	45,968
Net farm income-----	do.	22,793	22,984	25,268	26,558	27,011	28,983	26,172	25,062	27,961	32,117
Purchasing power in 1947-49 dollars-----	do.	20,534	20,706	22,561	22,395	22,891	24,562	21,993	21,060	23,108	26,325
Charge for capital at current interest rates-----	do.	8,735	9,092	9,768	11,792	15,062	15,122	17,899	17,921	17,860	18,129
Return to operator and family labor-----	do.	14,058	13,892	15,500	14,766	11,949	13,861	8,273	7,141	10,101	13,988
Charge for capital at 4.1 percent interest ^{2/} -----	do.	8,931	9,297	9,988	10,844	11,534	12,641	12,690	12,686	13,684	13,879
Return to operator and family labor-----	do.	13,862	13,687	15,280	15,714	15,477	16,342	13,482	12,376	14,277	18,238
INDEX NUMBERS ³											
Gross farm income-----	---	78	78	85	94	99	107	106	103	109	114
Net farm income-----	---	83	84	92	97	98	105	95	91	102	117
Net farm production-----	---	77	75	83	97	96	107	103	98	106	102
Crop yields per acre-----	---	83	80	91	100	99	101	94	95	104	105
Production per hour of man labor-----	---	82	83	90	102	96	102	98	96	107	105
Production per unit of input-----	---	89	88	93	101	97	102	95	93	99	97
Operating expense per unit of production-----	---	96	99	97	95	103	102	109	113	107	110
Total cost per unit of production-----	---	99	102	100	96	103	101	108	112	107	111
Power and machinery-----	---	99	98	100	99	100	101	96	96	99	100
Prices received for products sold-----	---	101	104	103	97	103	100	103	105	103	112
Prices paid, including wages to hired labor-----	---	90	92	94	97	100	103	102	104	106	105

^{1/} Wholly irrigated.

^{2/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{3/} 1957-59 = 100.

TABLE 48.--Large cotton-general crop farms, San Joaquin Valley, California: Organization, production, income and expenses, 1954-63¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	1,134	1,152	1,169	1,187	1,200	1,217	1,235	1,252	1,269	1,286
Cropland harvested-----	do.	943	969	983	970	998	1,049	1,059	1,036	1,040	1,020
Fallow-----	do.	70	60	62	91	77	41	49	68	100	140
Crops harvested:											
Cotton-----	do.	436	364	344	388	409	480	507	437	443	417
Alfalfa hay-----	do.	263	270	432	285	282	290	287	319	271	289
Barley-----	do.	206	236	186	280	291	262	247	281	305	292
Corn-----	do.	37	99	21	17	16	17	18	19	21	22
Crop yields per harvested acre:											
Cotton-----	Pound	795	762	920	1,037	1,033	1,050	958	964	1,085	1,072
Alfalfa hay-----	Ton	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.5
Barley-----	Bushel	50.0	49.5	49.7	54.4	47.8	50.3	53.4	54.5	61.9	52.1
Corn-----	do.	50.3	62.2	65.0	55.3	55.2	60.6	60.5	62.5	62.0	64.1
Total drawbar HP available-----	HP	330	380	380	380	450	450	296	296	304	312
Total cash receipts-----	Dollar	176,474	160,088	182,635	190,326	208,121	236,373	229,669	221,215	235,827	241,500
Cotton, lint and seed-----	do.	133,355	102,748	119,375	140,747	158,707	183,798	175,105	169,098	182,868	174,511
Alfalfa hay-----	do.	27,747	35,640	50,760	33,345	33,276	37,709	39,750	33,974	30,570	47,891
Barley-----	do.	11,948	12,032	10,261	14,927	14,884	13,443	13,322	16,539	20,579	17,039
Corn-----	do.	3,424	9,668	2,239	1,307	1,254	1,432	1,492	1,604	1,810	2,059
Total cash expenditures-----	do.	104,879	101,166	106,563	115,916	128,871	146,172	151,299	146,465	152,905	150,617
Labor hired-----	do.	25,163	23,596	25,404	25,502	26,863	30,929	31,408	29,183	29,393	28,968
Pesticides and other chemicals-----	do.	2,271	1,959	3,835	3,497	4,825	5,562	6,227	5,467	5,467	5,208
Fertilizer-----	do.	6,028	5,878	5,361	6,044	7,429	9,431	10,991	10,136	10,434	9,056
Other crop expense-----	do.	3,372	3,638	3,618	6,287	6,174	6,454	6,595	6,615	6,529	6,549
Operating cost of machinery-----	do.	10,418	10,260	11,575	13,350	14,901	16,651	17,790	16,941	17,091	16,842
Machinery purchased-----	do.	16,832	15,535	13,129	13,591	17,781	15,422	10,440	10,643	13,180	13,732
Machine work hired-----	do.	4,200	5,120	5,130	4,038	4,043	4,399	11,520	11,331	10,965	11,507
Ginning-----	do.	10,260	7,997	9,421	12,875	14,027	16,733	16,563	15,671	18,601	17,255
Farm buildings-----	do.	905	934	987	1,023	1,032	1,055	1,055	1,047	1,047	1,043
Irrigation facilities-----	do.	3,595	3,633	3,692	3,856	4,055	9,164	4,396	4,396	4,396	4,480
Irrigation water-----	do.	11,955	12,349	13,248	13,073	14,110	15,330	19,293	19,249	19,005	19,062
Taxes-----	do.	7,921	8,348	8,932	9,676	10,301	11,354	10,868	11,626	12,495	12,544
Workmen's compensation-----	do.	1,344	1,274	1,524	1,566	1,730	2,054	2,503	2,498	2,634	2,674
Other-----	do.	615	645	707	1,538	1,600	1,634	1,650	1,662	1,668	1,697
Net cash farm income-----	do.	71,595	58,922	76,072	74,410	79,250	90,201	78,370	74,750	82,922	90,883
Value of perquisites-----	do.	887	916	967	1,004	1,012	1,035	1,035	1,028	1,028	1,023
Change in inventory of machinery and buildings-----	do.	5,376	3,515	359	192	3,204	4,768	0	0	1,956	2,016
Net farm income-----	do.	77,858	63,353	77,398	75,606	83,466	96,004	79,405	75,778	85,906	93,922

¹/ Wholly irrigated.

TABLE 48.--Large cotton-general crop farms, San Joaquin Valley, California: Labor, capital, costs and returns, 1954-83¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	28,110	26,460	27,460	27,010	28,750	31,560	32,260	30,350	29,740	29,120
Operator and family-----	do.	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Hired-----	do.	25,510	23,860	24,860	24,410	26,150	28,960	29,660	27,750	27,140	26,520
Total farm capital, Jan. 1-----	Dollar	660,110	695,660	744,360	806,320	853,420	938,220	938,820	944,860	1,028,060	1,045,310
Land and buildings-----	do.	569,460	600,750	646,780	702,370	747,190	826,140	828,110	832,710	912,200	925,260
Irrigation system-----	do.	36,300	36,490	37,180	38,870	40,360	46,390	46,390	46,390	46,390	47,270
Machinery and equipment-----	do.	54,350	58,420	60,400	65,080	65,870	65,690	64,320	65,760	69,470	72,780
Gross farm income-----	do.	177,361	161,004	183,602	191,330	209,133	237,408	230,704	222,243	236,855	242,523
Operating expenses-----	do.	99,503	97,651	106,204	115,724	125,667	141,404	151,299	146,465	150,949	148,601
Net farm income-----	do.	77,858	63,353	77,398	75,606	83,466	96,004	79,405	75,778	85,906	93,922
Purchasing power in 1947-49 dollars-----	do.	70,142	57,075	69,105	65,178	70,734	81,359	66,727	63,679	70,997	76,985
Charge for capital at current interest rates-----	do.	29,412	30,705	32,919	39,726	50,776	51,302	61,101	61,197	61,236	62,151
Return to operator and family labor-----	do.	48,446	32,648	44,479	35,880	32,690	44,702	18,304	14,581	24,070	31,771
Charge for capital at 4.1 percent interest-----	do.	30,073	31,401	33,664	36,501	38,828	42,858	43,264	43,244	46,843	48,517
Return to operator and family labor-----	do.	47,785	31,952	43,734	39,105	44,638	53,146	36,141	32,534	39,063	45,405
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Gross farm income-----		83	76	86	90	98	112	109	105	111	114
Net farm income-----		92	75	91	89	98	113	93	89	101	110
Net farm production-----		81	73	85	94	96	110	107	99	108	103
Crop yields per acre-----		82	80	91	100	99	101	94	95	105	104
Production per hour of man labor-----		84	80	90	101	97	102	97	95	106	103
Production per unit of input-----		92	85	94	99	97	104	95	91	98	95
Operating expense per unit of production-----		96	104	98	97	102	101	111	116	109	113
Total cost per unit of production-----		96	106	94	97	103	100	108	114	109	114
Power and machinery-----		95	100	100	101	99	100	98	98	100	101
Prices received for products sold-----		103	104	102	96	103	101	101	106	103	111
Prices paid, including wages to hired labor-----		90	92	94	97	100	103	102	104	106	106

^{1/} Wholly irrigated.

^{2/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{3/} 1957-59 = 100.

TABLE 50. --Peanut-cotton farms, Southern Coastal Plains: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	134	142	149	156	159	162	167	173	180	185
Cropland harvested-----	do.	60	61	62	61	56	69	71	72	73	74
Crops harvested:											
Cotton-----	do.	13.3	11.5	11.4	7.8	6.1	13.3	14.0	15.2	16.7	16.5
Corn 1/-----	do.	28.8	31.0	31.2	34.7	30.3	34.6	34.3	33.5	31.8	32.9
Peanuts-----	do.	13.7	16.0	16.1	16.4	17.2	19.0	20.5	22.1	23.0	23.4
Peanut hay 2/-----	do.	9.9	10.2	8.9	6.7	8.4	6.8	6.9	6.9	6.6	8.3
Crop yields per harvested acre:											
Cotton-----	Pound	327	419	345	351	432	347	403	356	400	516
Corn-----	Bushel	14.2	24.8	26.1	27.3	35.4	30.6	33.7	43.3	31.6	43.4
Peanuts-----	Pound	603	1,019	1,145	824	1,117	1,021	1,285	1,201	1,132	1,463
Peanut hay-----	Ton	.69	.67	.72	.58	.75	.64	.74	.69	.77	.74
Livestock on farm, Jan. 1:											
All cattle-----	Number	7.9	7.7	8.1	8.7	9.2	9.2	10.0	10.9	12.0	13.0
Milk cows-----	do.	2.0	1.7	1.7	1.8	1.9	1.6	1.3	1.0	.8	.6
Beef cows-----	do.	1.9	2.1	2.4	2.7	2.8	3.1	4.2	4.7	5.5	6.1
Pigs raised-----	do.	32.8	36.2	38.5	42.6	44.8	43.9	51.7	50.7	48.7	51.8
Tractors on farm-----	do.	.65	.72	.78	.84	.90	.94	.98	1.02	1.08	1.12
Total cash receipts-----	Dollar	4,149	5,228	5,044	4,544	5,837	5,301	6,784	7,678	7,666	9,841
Cotton, lint and seed-----	do.	1,710	1,863	1,450	1,028	1,023	1,699	1,982	1,927	2,484	3,078
Peanuts-----	do.	874	1,774	1,900	1,292	1,977	1,689	2,430	2,817	2,711	3,708
Other crops-----	do.	149	421	480	464	764	494	603	908	509	959
Cattle-----	do.	186	147	170	237	391	341	335	349	438	547
Hogs-----	do.	1,087	849	882	1,161	1,226	916	1,308	1,451	1,278	1,321
Other livestock and livestock products-----	do.	107	115	125	142	147	110	74	28	16	16
Other, including Government payments-----	do.	36	59	37	219	309	52	52	198	230	212
Total cash expenditures-----	do.	2,271	2,936	2,982	2,997	3,070	3,583	4,017	4,257	4,396	4,816
Feed purchased-----	do.	127	122	106	102	111	113	120	123	128	145
Livestock expense-----	do.	23	22	27	30	31	35	41	45	45	46
Seed-----	do.	295	288	267	234	269	348	400	419	478	469
Fertilizer and lime-----	do.	478	539	572	620	570	697	735	771	785	853
Pesticides and other chemicals-----	do.	31	24	50	74	91	117	291	375	378	366
Other crop expense-----	do.	7	10	12	14	14	16	17	21	23	25
Ginning-----	do.	92	102	92	65	62	112	144	149	180	239
Machinery-----	do.	661	1,075	1,112	1,200	1,214	1,353	1,358	1,491	1,442	1,576
Machine work hired-----	do.	96	181	213	178	229	148	224	227	247	304
Farm buildings and fences-----	do.	110	117	123	120	125	128	115	105	91	96
Labor hired-----	do.	284	383	331	276	264	417	463	413	472	566
Taxes-----	do.	55	61	64	70	75	85	92	100	108	111
Other-----	do.	12	12	13	14	15	16	17	18	19	20
Net cash farm income-----	do.	1,878	2,292	2,062	1,547	2,767	1,716	2,767	3,421	3,270	5,025
Value of perquisites-----	do.	530	468	508	515	514	521	530	533	521	500
Change in inventory:											
Crops and livestock-----	do.	-132	139	16	87	58	234	36	80	110	55
Machinery and buildings-----	do.	-57	219	151	114	117	97	31	84	-4	94
Net farm income-----	do.	2,219	3,118	2,737	2,263	3,456	2,568	3,364	4,118	3,897	5,674

1/ Includes corn hogged-off.

2/ Hay saved from peanuts picked and thrashed.

TABLE 51.--Peanut-cotton farms, Southern Coastal Plains: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,110	4,260	3,840	3,380	3,330	3,700	3,880	3,760	3,590	3,870
Operator and family-----	do.	3,400	3,300	3,020	2,670	2,640	2,650	2,760	2,720	2,400	2,540
Hired-----	do.	710	960	820	710	690	1,050	1,120	1,040	1,130	1,330
Total farm capital, Jan. 1-----	Dollar	9,350	9,640	10,590	11,960	15,250	17,930	18,810	19,520	21,030	23,100
Land and buildings-----	do.	6,260	6,790	7,400	8,390	11,170	13,040	13,820	14,300	15,440	17,310
Machinery and equipment-----	do.	1,630	1,630	1,940	2,210	2,430	2,870	3,010	3,070	3,230	3,270
Livestock-----	do.	880	740	770	900	1,130	1,550	1,420	1,590	1,780	1,900
Crops-----	do.	580	480	480	460	520	470	560	560	580	620
Gross farm income-----	do.	4,547	5,835	5,568	5,146	6,409	6,056	7,350	8,291	8,297	10,396
Operating expenses-----	do.	2,328	2,717	2,831	2,883	2,953	3,488	3,986	4,173	4,400	4,722
Net farm income-----	do.	2,219	3,118	2,737	2,263	3,456	2,568	3,364	4,118	3,897	5,674
Purchasing power in 1947-49 dollars-----	do.	1,999	2,809	2,444	1,951	2,929	2,176	2,827	3,460	3,221	4,651
Charge for capital at current interest rates-----	do.	496	520	569	659	971	1,053	1,255	1,261	1,357	1,417
Return per hour, operator and family labor-----	do.	.51	.79	.72	.60	.94	.57	.76	1.05	1.03	1.68
Charge for capital at 4.1 percent interest ^{1/} -----	do.	449	472	516	575	712	838	897	929	999	1,094
Return per hour, operator and family labor-----	do.	.52	.80	.74	.63	1.04	.65	.89	1.17	1.18	1.80
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Gross farm income-----		77	99	95	88	109	103	125	141	141	177
Net farm income-----		80	113	99	82	125	93	122	149	141	205
Net farm production-----		72	101	100	87	101	112	136	141	138	178
Crop yields per acre-----		85	100	100	88	114	98	117	117	109	142
Production per hour of man labor-----		61	82	90	89	106	105	122	130	133	159
Production per unit of input-----		78	97	95	91	105	104	107	108	105	127
Operating expense per unit of production-----		101	87	91	106	94	100	94	96	102	87
Total cost per unit of production-----		114	92	94	106	96	98	91	91	96	81
Power and machinery (quantity)-----		72	82	88	93	98	109	109	110	115	117
Prices received for products sold-----		108	103	97	100	107	93	94	101	102	102
Prices paid, including wages to hired labor-----		89	89	88	98	101	101	93	93	95	97

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 52.--Tobacco farms, Coastal Plain, North Carolina: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	89	89	90	91	91	92	93	94	94	95
Cropland harvested-----	do.	33.4	34.4	36.3	37.5	38.7	41.4	40.6	35.3	32.4	34.6
Other-----	do.	55.6	54.6	53.7	53.5	52.3	50.6	52.4	58.7	61.6	60.4
Crops harvested:											
Tobacco-----	do.	7.7	7.7	7.4	7.2	7.6	8.3	8.3	8.3	8.7	8.4
Corn-----	do.	15.8	16.5	17.6	18.8	20.0	22.0	22.0	16.5	14.7	17.3
Hay-----	do.	3.7	3.7	3.2	3.1	2.6	2.2	1.7	1.2	1.2	1.5
Other-----	do.	6.2	6.5	8.1	8.4	8.5	8.9	8.6	9.3	7.8	7.4
Crop yields per harvested acre:											
Tobacco-----	Pound	1,348	1,560	1,745	1,490	1,780	1,540	1,945	1,955	1,970	2,058
Corn-----	Bushel	20.9	33.0	42.7	34.0	45.0	43.0	50.0	50.0	60.0	58.2
Hay-----	Ton	.9	1.1	1.0	1.1	1.2	1.2	1.1	1.2	1.0	1.0
Livestock on farm, Jan. 1:											
All cattle-----	Number	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2
Milk cows-----	do.	.6	.5	.4	.4	.3	.3	.3	.3	.3	.3
Chickens-----	do.	42	40	36	30	27	24	20	20	20	20
Brood sows-----	do.	.8	.9	1.1	1.3	1.4	1.5	1.5	1.3	1.3	1.4
Tractors on farm-----	do.	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.4	1.4
Total cash receipts-----											
Tobacco-----	Dollar	6,506	7,199	7,984	7,135	9,402	8,973	11,740	12,310	12,203	12,018
Corn-----	do.	5,511	6,201	6,508	5,711	7,543	7,240	9,632	10,323	10,031	9,855
Other crops-----	do.	184	336	600	440	719	730	945	648	706	846
Livestock and livestock products-----	do.	521	386	541	488	547	462	525	633	672	581
Other, including Government payments-----	do.	272	259	314	467	563	505	602	497	525	508
do.	do.	18	17	21	29	30	36	36	209	269	228
Total cash expenditures-----											
Feed purchased and other livestock expense-----	do.	4,103	4,617	4,764	4,799	5,333	5,674	6,220	6,097	6,353	6,522
Crop expense-----	do.	117	110	103	110	120	121	119	107	115	120
Machinery-----	do.	1,021	1,102	1,205	1,202	1,416	1,508	1,678	1,661	1,700	1,752
Farm buildings and fences-----	do.	1,173	1,338	1,348	1,544	1,594	1,712	1,813	1,664	1,617	1,668
Hired labor-----	do.	252	377	223	213	226	241	249	259	282	346
Taxes-----	do.	1,405	1,546	1,731	1,564	1,795	1,894	2,151	2,191	2,402	2,370
Other-----	do.	93	100	105	114	124	135	144	159	169	183
do.	do.	42	44	49	52	58	63	66	56	68	72
Net cash farm income-----	do.	2,403	2,582	3,220	2,336	4,069	3,299	5,520	6,213	5,850	5,496
Value of perquisites-----	do.	605	565	580	565	553	550	545	551	573	590
Change in inventory:											
Crops and livestock-----	do.	-2	44	52	-23	103	-46	-169	22	-41	4
Machinery and buildings-----	do.	177	265	139	248	171	185	184	19	-41	9
Net farm income-----	do.	3,183	3,456	3,991	3,126	4,896	3,988	6,080	6,805	6,341	6,099

TABLE 53.--Tobacco farms, Coastal Plain, North Carolina: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	5,010	5,310	5,490	5,000	5,670	5,740	6,330	6,070	6,250	6,030
Operator and family-----	do.	2,340	2,420	2,520	2,350	2,590	2,630	2,800	2,570	2,590	2,530
Hired-----	do.	2,670	2,890	2,970	2,650	3,080	3,110	3,530	3,500	3,660	3,500
Total farm capital, Jan. 1-----	Dollar	27,520	27,700	28,810	30,850	32,340	34,890	35,480	37,160	39,970	40,750
Land and buildings-----	do.	24,210	24,210	25,110	26,750	27,760	29,810	30,410	31,870	34,590	35,340
Machinery and equipment-----	do.	2,100	2,330	2,710	3,030	3,420	3,760	3,990	4,240	4,350	4,390
Livestock-----	do.	620	560	440	480	530	650	480	500	510	510
Crops-----	do.	590	600	550	590	630	670	600	490	520	510
Gross farm income-----	do.	7,109	7,808	8,616	7,677	10,058	9,477	12,116	12,883	12,735	12,612
Operating expenses-----	do.	3,926	4,352	4,625	4,551	5,162	5,489	6,036	6,078	6,394	6,513
Net farm income-----	do.	3,183	3,456	3,991	3,126	4,896	3,988	6,080	6,805	6,341	6,099
Purchasing power in 1947-49 dollars-----	do.	2,868	3,114	3,563	2,695	4,149	3,380	5,109	5,718	5,240	4,999
Charge for capital at current interest rates-----	do.	1,471	1,488	1,554	1,655	2,070	2,058	2,290	2,384	2,566	2,616
Return per hour, operator and family labor-----	do.	.73	.81	.97	.63	1.09	.73	1.35	1.72	1.46	1.38
Charge for capital at 4.1 percent interest ^{1/} -----	do.	1,223	1,239	1,295	1,378	1,456	1,569	1,616	1,679	1,807	1,842
Return per hour, operator and family labor-----	do.	.84	.92	1.07	.74	1.33	.92	1.59	1.99	1.75	1.68
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Gross farm income-----	---	78	86	95	85	111	104	134	142	140	139
Net farm income-----	---	80	86	100	78	122	100	152	170	158	152
Net farm production-----	---	79	92	102	86	109	105	128	126	132	134
Crop yields per acre-----	---	79	95	108	92	111	97	121	122	125	129
Production per hour of man labor-----	---	86	94	102	95	105	100	111	113	116	122
Production per unit of input-----	---	90	97	106	93	107	100	113	114	117	119
Operating expense per unit of production-----	---	98	94	90	104	93	103	93	96	96	96
Total cost per unit of production-----	---	100	94	90	105	92	103	91	93	94	94
Power and machinery (quantity)-----	---	75	83	88	95	100	105	110	111	110	111
Prices received for products sold-----	---	99	94	93	98	102	100	105	113	105	103
Prices paid, including wages to hired labor-----	---	91	92	96	98	100	102	103	106	108	110

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 54. --Tobacco-cotton farms, Coastal Plain, North Carolina: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	83	86	90	94	98	100	101	102	102	104
Cropland harvested-----	do.	36.5	37.5	38.5	39.7	42.3	49.4	48.4	43.9	42.3	42.5
Other land-----	do.	46.5	48.5	51.5	54.3	55.7	50.6	52.6	58.1	59.7	61.5
Crops harvested:											
Tobacco-----	do.	7.2	7.2	6.9	6.7	7.3	8.2	8.2	8.2	8.5	8.2
Cotton-----	do.	5.9	5.8	5.4	4.9	4.6	6.8	6.7	7.2	7.7	7.5
Corn-----	do.	15.7	16.2	17.3	18.5	18.9	20.5	20.5	15.4	14.4	16.1
Hay-----	do.	3.9	3.9	3.8	3.7	3.6	3.6	2.9	2.2	1.8	1.7
Other crops-----	do.	3.8	4.4	5.1	5.9	7.9	10.3	10.1	10.9	9.9	9.0
Crop yields per harvested acre:											
Tobacco-----	Pound	1,348	1,560	1,745	1,490	1,780	1,540	1,945	1,955	1,970	2,058
Cotton-----	do.	333	290	407	340	490	383	282	339	331	457
Corn-----	Bushe1	20.9	33.0	42.7	34.0	45.0	43.0	50.0	50.0	60.0	58.2
Hay-----	Ton	.9	1.1	1.0	1.1	1.2	1.2	1.1	1.2	1.0	1.0
Livestock on farm, Jan. 1:											
All cattle-----	Number:	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
Milk cows-----	do.	.5	.5	.5	.5	.5	.4	.3	.3	.3	.3
Chickens-----	do.	42	40	76	30	27	24	20	20	20	20
Brood sows-----	do.	.7	.8	1.1	1.2	1.3	1.4	1.4	1.2	1.2	1.3
Tractors on farm-----	do.	.7	.8	.9	1.0	1.2	1.3	1.4	1.5	1.5	1.5
Total cash receipts-----											
Tobacco-----	Dollar:	6,723	7,264	8,185	7,189	9,752	9,745	12,265	13,120	12,884	12,979
Cotton, lint and seed-----	do.	5,153	5,798	6,068	5,314	7,245	7,152	9,515	10,199	9,801	9,621
Corn-----	do.	786	584	786	596	845	845	645	902	946	1,257
Other crops-----	do.	154	290	541	436	688	696	902	678	806	895
Livestock and livestock products-----	do.	375	352	471	403	489	565	640	727	681	594
Other, including Government payments-----	do.	235	201	282	406	451	441	519	409	413	402
	do.	20	39	27	34	34	46	44	205	237	210
Total cash expenditures-----											
Feed purchased and other livestock expense-----	do.	4,430	4,786	5,141	5,107	5,832	6,409	6,838	6,786	6,972	7,192
Crop expense-----	do.	108	108	102	107	113	114	108	97	99	104
Machinery-----	do.	1,064	1,144	1,217	1,206	1,442	1,599	1,767	1,781	1,815	1,858
Farm buildings and fences-----	do.	1,287	1,303	1,494	1,652	1,817	1,915	1,952	1,829	1,717	1,835
Hired labor-----	do.	234	364	229	221	244	262	275	275	295	357
Taxes-----	do.	1,609	1,728	1,949	1,756	2,050	2,311	2,515	2,569	2,795	2,770
Other-----	do.	89	98	105	117	132	146	156	170	182	197
	do.	39	41	45	43	54	62	65	65	69	71
Net cash farm income-----	do.	2,293	2,473	3,044	2,082	3,900	3,336	5,427	6,334	5,912	5,787
Total value of perquisites-----	do.	580	559	593	586	597	597	564	570	595	616
Change in inventory:											
Crops and livestock-----	do.	35	103	26	27	129	-96	-187	-104	-15	0
Machinery and buildings-----	do.	250	119	224	274	264	186	179	52	-56	-18
Net farm income-----	do.	3,158	3,259	3,887	2,969	4,890	4,023	5,983	6,852	6,436	6,385

TABLE 55. --Tobacco-cotton farms, Coastal Plain, North Carolina: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	5,380	5,660	5,890	5,340	6,180	6,630	7,050	6,840	6,980	6,730
Operator and family-----	do.	2,320	2,430	2,550	2,360	2,660	2,840	2,930	2,740	2,720	2,650
Hired-----	do.	3,060	3,230	3,340	2,980	3,520	3,790	4,120	4,100	4,260	4,080
Total farm capital, Jan. 1-----	Dollar	25,810	26,920	28,850	31,870	34,640	37,800	38,400	40,080	43,130	44,290
Land and buildings-----	do.	22,580	23,390	25,110	27,640	29,890	32,400	33,030	34,580	37,540	38,690
Machinery and equipment-----	do.	2,120	2,420	2,720	3,140	3,550	4,000	4,240	4,480	4,630	4,660
Livestock-----	do.	560	520	440	490	560	700	530	530	490	510
Crops-----	do.	550	590	580	600	640	700	600	490	470	430
Gross farm income-----	do.	7,338	7,926	8,804	7,802	10,478	10,246	12,642	13,586	13,464	13,595
Operating expenses-----	do.	4,180	4,667	4,917	4,833	5,588	6,223	6,659	6,734	7,028	7,210
Net farm income-----	do.	3,158	3,259	3,887	2,969	4,890	4,023	5,983	6,852	6,436	6,385
Purchasing power in 1947-49 dollars-----	do.	2,845	2,936	3,471	2,559	4,144	3,409	5,028	5,759	5,319	5,234
Charge for capital at current interest rates-----	do.	1,391	1,455	1,563	1,748	2,254	2,237	2,481	2,579	2,772	2,844
Return per hour, operator and family labor-----	do.	.76	.74	.91	.52	.99	.63	1.20	1.56	1.35	1.34
Charge for capital at 4.1 percent interest ^{1/} -----	do.	1,159	1,213	1,304	1,461	1,596	1,708	1,751	1,817	1,952	2,003
Return per hour, operator and family labor-----	do.	.86	.84	1.01	.64	1.24	.82	1.44	1.84	1.65	1.65
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Gross farm income-----	---	77	83	93	82	110	108	133	143	142	143
Net farm income-----	---	80	82	98	75	123	102	151	173	162	161
Net farm production-----	---	77	89	99	84	108	108	128	127	134	138
Crop yields per acre-----	---	80	93	107	91	112	97	116	118	121	128
Production per hour of man labor-----	---	87	95	102	95	106	99	109	112	116	124
Production per unit of input-----	---	92	98	107	93	107	100	112	127	118	121
Operating expense per unit of production-----	---	97	95	89	104	93	103	94	96	95	95
Total cost per unit of production-----	---	98	93	89	105	93	102	92	93	93	93
Power and machinery (quantity)-----	---	74	80	86	94	101	105	110	112	113	111
Prices received for products sold-----	---	100	95	93	98	102	100	105	112	105	103
Prices paid, including wages to hired labor-----	---	91	92	96	98	100	102	104	125	108	110

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 56.--Tobacco-livestock farms, Inner Bluegrass area, Kentucky: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	188	192	196	200	204	208	212	214	216	217
Cropland harvested-----	do.	53	53	54	57	58	60	62	60	56	57
Pasture-----	do.	125	127	129	131	133	135	136	137	143	143
Crops harvested:											
Tobacco-----	do.	8.0	6.5	6.7	6.9	7.1	7.3	7.4	7.8	8.3	8.3
Corn for grain-----	do.	10.6	11.5	12.0	12.8	12.5	13.0	13.1	11.1	11.0	10.2
Small grains-----	do.	6.3	5.9	5.7	5.6	5.4	5.8	6.2	5.8	3.0	3.7
Alfalfa-----	do.	11.8	12.9	13.8	15.0	16.4	17.6	18.0	18.0	18.0	18.9
Other hay-----	do.	16.2	16.4	16.3	16.3	16.4	16.2	17.3	17.6	15.3	16.3
Crop yields per harvested acre:											
Tobacco-----	Pound	1,885	1,655	1,785	1,740	1,665	1,760	1,734	1,720	1,958	2,256
Corn for grain-----	Bushei	44	63	69	57	69	55	66	69	73	86
Wheat-----	do.	25	24	25	20	28	23	32	29	28	32
Alfalfa-----	Ton	2.2	2.8	2.8	2.9	2.7	2.8	2.8	2.5	2.5	3.1
Other hay-----	do.	1.0	1.5	1.6	1.4	1.5	1.4	1.6	1.5	1.5	1.8
Livestock on farm, Jan. 1:											
All cattle-----	Number	35.3	34.3	36.2	36.3	37.1	40.2	43.6	45.9	49.8	55.4
Beef cows-----	do.	22.3	22.0	22.7	22.9	23.3	25.1	27.0	28.0	30.5	34.6
Ewes-----	do.	54.0	56.5	57.8	60.8	58.5	56.8	59.8	58.5	52.4	47.4
Brood sows-----	do.	2.3	3.1	3.0	2.7	2.6	3.1	2.9	2.8	2.8	2.9
Pigs raised-----	do.	27.5	35.4	36.0	32.4	31.3	39.5	36.1	37.2	34.8	32.0
Tractors on farm-----	do.	1.00	1.20	1.25	1.32	1.40	1.50	1.60	1.60	1.60	1.60
Total cash receipts-----											
Tobacco-----	Dollar	11,885	10,481	12,080	11,965	13,502	12,963	13,725	14,313	15,117	17,109
Cattle and calves-----	do.	7,772	6,462	7,737	7,305	7,955	7,997	8,311	9,021	9,682	11,379
Hogs and pigs-----	do.	2,165	1,946	2,099	2,414	2,988	2,947	3,192	3,056	3,289	3,859
Sheep and lambs-----	do.	633	702	767	772	755	691	772	832	769	645
Poultry and eggs-----	do.	935	900	938	890	1,024	870	914	848	907	855
Wool-----	do.	85	41	61	34	28	32	31	23	15	8
Other, including Government payments-----	do.	237	239	259	332	216	236	279	257	229	214
Feed purchased-----	do.	58	191	219	218	536	190	226	276	226	149
Total cash expenditures-----											
Feed purchased-----	do.	6,759	6,446	6,711	6,921	7,330	7,808	8,120	8,473	9,204	9,017
Livestock purchased and other livestock expense-----	do.	438	352	336	305	332	397	369	667	1,098	741
Fertilizer and lime-----	do.	740	838	887	841	1,038	1,025	1,157	1,110	1,148	959
Other crop expense-----	do.	463	515	565	597	637	670	696	712	736	760
Machinery-----	do.	394	364	324	381	383	431	475	481	520	470
Farm buildings and fences-----	do.	1,631	1,551	1,582	1,652	1,735	1,910	1,900	1,927	1,937	2,077
Hired labor-----	do.	976	773	800	782	786	836	846	840	830	920
Taxes-----	do.	1,383	1,295	1,413	1,475	1,498	1,600	1,705	1,730	1,875	1,945
Other-----	do.	385	412	400	418	427	451	459	466	478	495
Net cash farm income-----	do.	347	346	404	470	494	488	513	540	582	650
Value of perquisites-----	do.	5,126	4,035	5,369	5,044	6,172	5,155	5,605	5,840	5,913	8,092
Change in inventory:											
Crops and livestock-----	do.	1,114	1,134	1,170	1,227	1,319	1,383	1,398	1,409	1,438	1,471
Machinery and buildings-----	do.	-200	517	430	174	466	205	295	194	485	239
Net farm income-----	do.	240	36	16	28	18	141	20	-2	0	-16
Net farm income-----	do.	6,280	5,722	6,985	6,473	7,975	6,884	7,318	7,441	7,836	9,786

TABLE 57. --Tobacco-livestock farms, Inner Bluegrass area, Kentucky: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,530	4,140	4,330	4,320	4,380	4,490	4,600	4,680	4,870	4,940
Operator and family-----	do.	2,720	2,480	2,600	2,590	2,620	2,690	2,750	2,810	2,920	2,960
Hired-----	do.	1,810	1,660	1,730	1,730	1,760	1,800	1,850	1,870	1,950	1,980
Total farm capital, Jan. 1-----	Dollar	70,640	72,880	75,590	83,120	89,690	97,300	98,880	100,170	102,960	106,930
Land and buildings-----	do.	61,100	63,360	65,660	72,000	77,520	83,200	85,010	86,240	88,560	91,570
Machinery and equipment-----	do.	3,720	3,910	4,130	4,400	4,620	4,920	5,100	5,180	5,300	5,420
Livestock-----	do.	4,100	4,160	4,310	4,810	5,420	7,090	6,830	6,750	7,190	7,910
Crops-----	do.	1,720	1,450	1,490	1,910	2,130	2,090	1,940	2,000	1,910	2,030
Gross farm income-----	do.	12,799	12,132	13,680	13,366	15,287	14,551	15,418	15,916	17,040	18,819
Operating expenses-----	do.	6,519	6,410	6,695	6,893	7,312	7,667	8,100	8,475	9,204	9,033
Net farm income-----	do.	6,280	5,722	6,985	6,473	7,975	6,884	7,318	7,441	7,836	9,786
Purchasing power in 1947-49 dollars-----	do.	5,658	5,155	6,237	5,580	6,758	5,834	6,150	6,253	6,476	8,021
Charge for capital at current interest rates-----	do.	2,920	3,004	3,121	3,842	5,041	4,982	6,063	5,643	5,813	6,026
Return per hour, operator and family labor-----	do.	1.24	1.10	1.49	1.02	1.12	.71	.46	.64	.69	1.27
Charge for capital at 4.1 percent interest ^{1/} -----	do.	2,990	3,077	3,198	3,510	3,785	4,106	4,184	4,241	4,371	4,529
Return per hour, operator and family labor-----	do.	1.21	1.07	1.46	1.14	1.60	1.03	1.14	1.14	1.19	1.78
INDEX NUMBERS ²											
Gross farm income-----	---	89	84	95	93	106	101	107	111	118	131
Net farm income-----	---	88	80	98	91	112	97	103	105	110	138
Net farm production-----	---	110	94	102	99	99	102	106	105	116	136
Crop yields per acre-----	---	101	98	104	100	99	101	103	101	112	129
Production per hour of man labor-----	---	107	100	103	101	100	99	101	98	105	121
Production per unit of input-----	---	110	100	105	101	100	99	101	98	105	120
Operating expense per unit of production-----	---	83	93	90	96	101	103	103	108	104	92
Total cost per unit of production-----	---	80	91	88	95	101	104	103	106	101	91
Power and machinery (quantity)-----	---	96	97	98	98	100	102	102	102	104	102
Prices received for products sold-----	---	83	90	94	94	108	98	99	101	96	96
Prices paid, including wages to hired labor-----	---	92	93	94	97	101	102	102	102	104	107

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 58.--Tobacco-dairy farms, Intermediate Bluegrass area, Kentucky: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	107	108	109	110	111	112	113	114	115	115
Cropland harvested-----	do.	24	24	24	24	25	25	25	24	24	23
Pasture-----	do.	40	40	41	42	42	43	43	43	43	43
Crops harvested:											
Tobacco-----	do.	2.7	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.4	2.4
Corn for grain-----	do.	7.7	7.9	8.0	8.1	8.4	8.5	8.2	6.5	5.7	4.7
Alfalfa-----	do.	6.8	7.1	7.2	7.3	7.8	7.9	8.1	8.9	8.9	9.0
Other hay-----	do.	6.8	6.9	6.7	6.5	6.6	6.4	6.5	6.7	6.7	7.0
Crop yields per harvested acre:											
Tobacco-----	Pound	1,730	1,525	1,610	1,555	1,590	1,655	1,617	1,605	1,785	2,090
Corn for grain-----	Bushel	39	50	55	50	53	53	50	60	64	70
Alfalfa-----	Ton	1.6	1.8	1.8	2.2	1.9	2.0	2.5	2.3	2.0	2.0
Other hay-----	do.	1.1	1.0	1.5	1.3	1.3	1.2	1.5	1.4	1.6	1.6
Livestock on farm, Jan. 1:											
All cattle-----	Number	15.3	16.0	16.4	17.1	16.9	17.2	17.5	18.0	18.2	18.4
Milk cows-----	do.	9.5	9.9	10.2	10.4	10.2	10.0	10.2	10.2	10.2	10.5
Milk production per cow-----	Pound	4,710	5,060	5,290	5,460	5,520	5,670	5,700	5,980	6,100	6,340
Tractors on farm-----	Number	.40	.46	.58	.70	.80	.95	1.10	1.10	1.10	1.10
Total cash receipts-----											
Tobacco-----	Dollar	3,804	3,520	3,994	4,003	4,429	4,373	4,437	4,854	4,937	5,614
Dairy products-----	do.	2,401	1,924	2,182	1,997	2,347	2,267	2,303	2,481	2,528	3,046
Cattle and calves-----	do.	1,016	1,172	1,327	1,400	1,384	1,453	1,484	1,612	1,620	1,852
Poultry and eggs-----	do.	271	321	323	469	563	559	553	625	654	627
Other, including Government payments-----	do.	94	80	96	69	73	59	65	59	51	53
	do.	22	23	66	68	62	35	32	77	84	36
Total cash expenditures-----											
Feed purchased-----	do.	2,644	2,250	2,302	2,430	2,538	2,746	2,770	2,524	2,618	2,868
Livestock purchased-----	do.	434	145	144	136	145	149	146	155	228	382
Other livestock expense-----	do.	40	32	34	28	28	24	20	22	22	20
Fertilizer and lime-----	do.	55	57	61	67	70	74	79	80	80	85
Other crop expense-----	do.	192	197	213	228	242	253	266	277	292	302
Machinery-----	do.	140	130	112	119	120	126	136	138	154	175
Farm buildings and fences-----	do.	1,028	972	999	1,052	1,114	1,233	1,196	1,132	1,110	1,220
Hired labor-----	do.	394	346	362	362	363	420	443	227	221	129
Taxes-----	do.	135	132	138	144	144	150	156	156	161	183
Other-----	do.	90	92	88	96	98	108	110	111	115	116
	do.	134	147	151	198	214	209	218	226	235	256
Net cash farm income-----	do.	1,162	1,270	1,692	1,571	1,891	1,627	1,667	2,330	2,319	2,746
Value of perquisites-----	do.	567	561	573	569	598	605	598	600	607	623
Change in inventory:											
Crops and livestock-----	do.	145	5	106	10	52	65	145	41	-32	168
Machinery and buildings-----	do.	286	172	163	152	164	238	65	-61	-85	-89
Net farm income-----	do.	2,160	2,008	2,534	2,304	2,705	2,535	2,475	2,910	2,809	3,448

TABLE 59.--Tobacco-dairy farms, Intermediate Bluegrass area, Kentucky: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,780	3,590	3,620	3,580	3,580	3,510	3,500	3,510	3,590	3,570
Operator and family-----	do.	3,590	3,410	3,440	3,400	3,400	3,330	3,320	3,330	3,410	3,370
Hired-----	do.	190	180	180	180	180	180	180	180	180	200
Total farm capital, Jan. 1-----	Dollar	15,150	15,320	15,560	17,640	19,110	21,410	21,740	22,170	22,730	22,960
Land and buildings-----	do.	10,910	10,910	11,010	12,650	13,650	15,120	15,370	15,620	16,100	16,330
Machinery and equipment-----	do.	2,060	2,200	2,330	2,480	2,610	2,800	2,940	3,000	2,990	3,000
Livestock-----	do.	1,470	1,450	1,620	1,850	2,140	2,790	2,720	2,680	2,770	2,780
Crops-----	do.	710	760	600	660	710	700	710	870	870	850
Gross farm income-----	do.	4,516	4,086	4,673	4,582	5,079	5,043	5,180	5,495	5,512	6,405
Operating expenses-----	do.	2,356	2,078	2,139	2,278	2,374	2,508	2,705	2,585	2,703	2,957
Net farm income-----	do.	2,160	2,008	2,534	2,304	2,705	2,535	2,475	2,910	2,809	3,448
Purchasing power in 1947-49 dollars-----	do.	1,946	1,809	2,261	1,986	2,292	2,148	2,080	2,445	2,321	2,826
Charge for capital at current interest rates-----	do.	662	658	671	845	1,104	1,127	1,366	1,279	1,314	1,336
Return per hour, operator and family labor-----	do.	.42	.40	.54	.43	.47	.42	.33	.49	.44	.63
Charge for capital at 4.1 percent interest ^{1/} -----	do.	677	673	687	774	837	935	953	970	996	1,014
Return per hour, operator and family labor-----	do.	.41	.39	.54	.45	.55	.48	.46	.58	.53	.72
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Gross farm income-----	---	93	83	95	93	104	103	106	112	112	131
Net farm income-----	---	86	80	101	92	107	101	98	116	112	137
Net farm production-----	---	105	91	98	97	100	103	104	107	114	128
Crop yields per acre-----	---	99	93	101	99	99	102	103	105	112	127
Production per hour of man labor-----	---	99	90	96	97	99	104	106	109	113	128
Production per unit of input-----	---	106	94	100	98	100	102	100	105	110	123
Operating expense per unit of production-----	---	90	95	91	98	100	102	109	101	98	96
Total cost per unit of production-----	---	86	96	93	99	100	101	106	101	99	90
Power and machinery (quantity)-----	---	94	95	97	98	99	103	104	101	98	100
Prices received for products sold-----	---	83	93	98	96	104	100	102	104	96	99
Prices paid, including wages to hired labor-----	---	95	94	95	99	99	102	103	104	104	106

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 50.--Tobacco-dairy farms, Outer Bluegrass area, Kentucky: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farms	Acres	119	120	122	124	126	128	130	132	132	134
Cropland harvested	do.	38	38	39	39	40	40	41	42	41	41
Pasture	do.	69	69	70	71	72	73	74	74	75	75
Crops harvested:											
Tobacco	do.	3.5	2.7	2.7	2.8	2.8	2.8	2.9	3.1	3.3	3.3
Corn for grain	do.	7.6	7.9	7.8	8.1	8.4	8.5	8.3	8.0	7.3	7.2
Corn for silage	do.	4.4	4.4	4.4	4.4	4.3	4.5	4.5	4.7	4.7	4.6
Small grains	do.	3.0	3.2	3.2	2.8	3.0	2.5	2.8	2.8	2.5	2.2
Alfalfa	do.	8.2	8.5	9.2	9.4	9.9	10.2	10.7	11.5	12.0	12.1
Other hay	do.	11.3	11.3	11.7	11.5	11.6	11.5	11.8	12.1	11.6	11.4
Crop yields per harvested acre:											
Tobacco	Pound	1,770	1,650	1,760	1,780	1,665	1,745	1,720	1,705	1,952	2,176
Corn for grain	Bushel	40	59	63	55	62	59	58	66	77	82
Corn for silage	Ton	7.5	9.0	10.5	9.5	11.0	10.0	11.0	12.0	14.4	18.2
Alfalfa	do.	1.8	2.1	2.2	2.0	2.8	2.3	2.6	2.6	2.5	2.8
Other hay	do.	1.0	1.4	1.4	1.4	1.5	1.3	1.5	1.5	1.4	1.6
Livestock on farms, Jan. 1:											
All cattle	Number	21.1	21.9	22.5	23.2	25.0	26.5	28.1	28.7	30.1	31.9
Milk cows	do.	13.4	13.8	14.1	14.3	15.2	15.8	16.4	16.6	17.3	18.4
Brood sows	do.	1.1	1.4	1.4	1.3	1.3	1.5	1.5	1.4	1.1	1.3
Milk production per cow	Pound	6,210	6,390	6,400	6,700	6,810	6,760	6,790	6,940	7,080	7,390
Figs raised	Number	13.4	18.1	17.5	15.8	15.3	19.0	17.3	17.5	17.8	17.1
Tractors on farm	do.	.61	.62	.70	.80	1.00	1.20	1.40	1.40	1.40	1.40
Total cash receipts											
Tobacco	Dollar	6,727	6,584	7,439	7,781	8,318	8,523	8,932	9,493	10,031	11,165
Dairy products	do.	3,069	2,672	3,066	3,027	3,101	3,085	3,199	3,549	3,816	4,343
Cattle and calves	do.	2,803	2,976	3,364	3,753	3,934	4,104	4,264	4,505	4,741	5,344
Pigs and pigs	do.	408	472	501	505	781	869	1,007	948	987	1,034
Poultry and eggs	do.	298	345	330	354	355	354	361	391	396	351
Other, including Government payments	do.	115	78	98	75	79	66	52	49	38	39
	do.	34	41	80	67	68	45	49	51	53	54
Total cash expenditures											
Feed purchased	do.	4,792	4,061	4,124	4,673	4,669	5,117	5,196	5,741	5,823	6,468
Livestock expense	do.	1,383	714	707	957	772	845	842	1,115	973	1,239
Fertilizer and lime	do.	122	122	129	140	150	163	173	176	182	221
Other crop expense	do.	232	247	263	272	306	345	375	404	425	460
Machinery	do.	218	207	183	199	200	203	227	232	256	297
Farm buildings and fences	do.	1,650	1,567	1,637	1,744	1,872	2,077	2,036	2,126	2,207	2,415
Hired labor	do.	448	425	441	456	440	525	537	596	550	540
Taxes	do.	378	361	378	394	408	432	457	521	630	666
Other	do.	164	170	163	169	175	196	200	204	210	218
	do.	197	248	223	342	346	331	349	367	390	412
Net cash farm income	do.	1,935	2,523	3,315	3,108	3,649	3,406	3,736	3,752	4,208	4,697
Value of prerequisites	do.	776	766	784	792	844	880	876	886	899	911
Change in inventory:											
Crops and livestock	do.	357	70	162	261	333	53	12	378	215	547
Machinery and buildings	do.	257	109	90	72	71	172	33	110	107	137
Net farm income	do.	3,325	3,468	4,351	4,233	4,897	4,511	4,657	5,126	5,429	6,288

TABLE 61. --Tobacco-dairy farms, Outer Bluegrass area, Kentucky: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,560	4,300	4,310	4,300	4,420	4,480	4,590	4,690	4,800	5,090
Operator and family-----	do.	4,010	3,790	3,800	3,790	3,890	3,940	4,040	4,060	4,070	4,250
Hired-----	do.	550	510	510	510	530	540	550	630	730	750
Total farm capital, Jan. 1-----	Dollar	27,910	28,460	28,970	31,920	35,200	39,740	40,460	41,250	42,710	44,470
Land and buildings-----	do.	20,820	21,000	21,350	23,560	25,830	28,800	29,510	30,230	31,020	32,290
Machinery and equipment-----	do.	3,800	4,030	4,260	4,530	4,760	5,090	5,330	5,430	5,590	5,840
Livestock-----	do.	2,210	2,160	2,310	2,660	3,300	4,460	4,410	4,410	4,700	4,890
Crops-----	do.	1,080	1,270	1,050	1,170	1,310	1,390	1,210	1,180	1,400	1,450
Gross farm income-----	do.	7,860	7,420	8,385	8,834	9,495	9,456	9,820	10,757	11,145	12,619
Operating expenses-----	do.	4,535	3,952	4,034	4,601	4,598	4,945	5,163	5,631	5,716	6,331
Net farm income-----	do.	3,325	3,468	4,351	4,233	4,897	4,511	4,657	5,126	5,429	6,288
Purchasing power in 1947-49 dollars-----	do.	2,920	3,124	3,885	3,649	4,150	3,823	3,913	4,308	4,487	5,154
Charge for capital at current interest rates-----	do.	1,228	1,224	1,251	1,543	2,041	2,102	2,554	2,407	2,489	2,606
Return per hour, operator and family labor-----	do.	.52	.59	.82	.71	.73	.61	.52	.67	.72	.87
Charge for capital at 4.1 percent interest ^{1/} -----	do.	1,256	1,253	1,280	1,416	1,548	1,744	1,785	1,829	1,891	1,983
Return per hour, operator and family labor-----	do.	.52	.58	.81	.74	.86	.70	.71	.81	.87	1.01
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Gross farm income-----	---	85	80	91	95	103	102	106	116	120	136
Net farm income-----	---	73	76	96	93	108	99	102	113	119	138
Net farm production-----	---	92	87	94	97	101	102	105	111	124	139
Crop yields per acre-----	---	90	95	100	99	101	100	101	103	115	128
Production per hour of man labor-----	---	89	89	96	99	101	100	101	104	114	123
Production per unit of input-----	---	98	93	99	100	101	99	99	102	111	118
Operating expense per unit of production-----	---	101	97	92	99	97	104	105	108	99	97
Total cost per unit of production-----	---	95	98	94	97	98	104	106	103	98	94
Power and machinery (quantity)-----	---	95	96	97	98	99	103	103	104	108	110
Prices received for products sold-----	---	87	93	98	97	103	106	101	103	97	97
Prices paid, including wages to hired labor-----	---	97	95	95	98	100	102	104	104	106	108

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 62.--Wheat-small grain-livestock farms, Northern Plains: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	680	690	695	700	705	710	715	720	730	740
Cropland harvested-----	do.	413	443	436	402	402	399	405	288	368	384
Fallow and idle-----	do.	103	99	113	128	154	139	160	200	211	214
Failure-----	do.	25	6	6	27	5	27	4	85	2	9
Crops harvested:											
Wheat-----	do.	166.9	165.1	173.4	145.7	135.0	145.9	147.6	126.9	126.9	129.5
Other small grains-----	do.	115.5	139.7	108.4	110.6	138.2	128.8	126.0	71.1	128.7	133.6
Flaxseed-----	do.	60.5	65.0	78.5	73.3	55.6	49.3	55.1	28.3	44.2	55.1
Hay-----	do.	56.2	57.4	61.7	59.2	58.9	59.7	60.5	51.4	56.3	54.1
Crop yields per harvested acre:											
Wheat-----	Bushel	7.2	15.5	17.6	16.4	22.2	14.9	21.0	9.1	31.3	22.3
Flaxseed-----	do.	7.1	8.4	8.4	3.5	7.6	4.3	7.3	3.7	13.1	8.9
Hay-----	Ton	1.1	1.2	1.2	1.0	.9	.7	1.1	.7	1.3	1.1
Livestock on farm, Jan. 1:											
All cattle-----	Number	23.4	23.9	24.1	23.6	22.6	21.7	21.2	24.0	23.8	27.1
Milk cows-----	do.	6.2	6.2	6.1	6.0	5.9	5.4	5.1	4.8	4.4	3.6
Beef cows-----	do.	5.9	6.5	6.8	6.9	7.0	7.2	7.5	8.0	8.7	9.3
Chickens-----	do.	57	57	55	57	53	52	50	47	45	45
Horses-----	do.	1.3	1.3	1.2	1.1	1.0	1.0	0	0	0	0
Pigs raised-----	do.	10.8	10.6	8.1	6.9	8.1	7.6	4.3	5.0	4.0	4.5
Tractors on farm-----	do.	2.08	2.09	2.10	2.15	2.16	2.20	2.30	2.30	2.30	2.30
Total cash receipts-----	Dollar	6,684	10,703	11,828	9,135	11,819	8,370	10,663	5,547	16,675	12,176
Wheat-----	do.	2,191	5,024	5,897	4,566	5,360	3,947	5,769	2,559	8,674	5,463
Other crops-----	do.	2,425	3,665	3,586	1,773	3,312	1,603	2,947	350	5,058	3,562
Livestock-----	do.	1,276	1,245	1,236	1,441	2,022	1,927	1,039	1,670	1,318	1,367
Butterfat-----	do.	520	528	531	558	511	508	470	468	414	323
Poultry and eggs-----	do.	178	178	180	154	167	174	138	133	119	131
Other, including Government payments-----	do.	94	63	398	643	447	261	300	367	1,092	1,330
Total cash expenditures-----	do.	5,181	5,536	5,380	5,558	6,167	5,861	6,039	4,729	5,585	5,778
Feed purchased-----	do.	59	54	52	53	73	70	57	57	50	51
Livestock expense-----	do.	72	67	64	48	77	73	63	69	71	47
Crop expense-----	do.	217	293	302	602	591	631	737	670	671	685
Machinery-----	do.	3,431	3,662	3,570	3,524	3,991	3,776	3,815	2,848	3,620	3,663
Farm buildings and fences-----	do.	231	400	347	313	322	225	202	50	62	279
Labor hired-----	do.	611	472	441	441	471	437	437	373	436	380
Taxes-----	do.	513	539	549	534	595	600	639	604	616	612
Other-----	do.	47	49	55	43	47	49	53	58	59	61
Net cash farm income-----	do.	1,503	5,167	6,448	3,577	5,652	2,509	4,624	818	11,090	6,398
Value of perquisites-----	do.	565	584	607	606	655	593	620	529	636	45
Change in inventory:											
Crops and livestock-----	do.	147	-29	-190	-163	-121	-196	153	-278	935	523
Machinery and buildings-----	do.	-16	233	107	2	202	-99	-298	-831	-546	156
Net farm income-----	do.	2,199	5,955	6,972	4,022	6,388	2,807	5,099	238	12,115	7,622

TABLE 63.--Wheat-small grain-livestock farms, Northern Plains: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,310	3,300	2,930	2,890	2,910	2,730	2,810	2,490	2,660	2,540
Operator and family-----	do.	2,670	2,660	2,480	2,460	2,450	2,310	2,360	2,130	2,260	2,200
Hired-----	do.	640	640	450	430	460	420	450	360	400	340
Total farm capital, Jan. 1-----	Dollar	39,040	39,060	39,320	42,680	46,140	50,780	51,530	52,390	54,120	57,250
Land and buildings-----	do.	25,130	25,150	25,510	28,140	30,700	33,980	34,910	35,860	37,810	40,250
Machinery and equipment-----	do.	9,150	9,060	9,560	10,210	10,580	11,150	11,240	11,250	10,870	10,820
Livestock-----	do.	2,720	2,760	2,450	2,510	3,260	3,970	3,320	3,720	3,780	4,490
Crops-----	do.	2,040	2,090	1,800	1,820	1,600	1,680	2,060	1,560	1,660	1,690
Gross farm income-----	do.	7,396	11,258	12,245	9,578	12,353	8,767	11,436	5,798	18,246	13,244
Operating expenses-----	do.	5,197	5,303	5,273	5,556	5,965	5,960	6,337	5,560	6,131	5,622
Net farm income-----	do.	2,199	5,955	6,972	4,022	6,388	2,807	5,099	238	12,115	7,622
Purchasing power in 1947-49 dollars-----	do.	1,981	5,365	6,225	3,467	5,419	2,379	4,285	200	10,012	6,248
Charge for capital at current interest rates-----	do.	1,655	1,654	1,674	2,030	2,650	2,651	3,223	2,985	3,108	3,274
Return per hour, operator and family labor-----	do.	.20	1.62	2.14	.81	1.53	.07	.79	-1.29	3.99	1.98
Charge for capital at 4.1 percent interest 1/-----	do.	1,694	1,693	1,713	1,859	2,004	2,194	2,244	2,252	2,350	2,472
Return per hour, operator and family labor-----	do.	.19	1.60	2.12	.88	1.79	.27	1.21	-.95	4.32	2.34
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Gross farm income-----	---	72	110	120	93	121	86	112	57	178	129
Net farm income-----	---	50	135	158	91	145	64	116	5	275	173
Net farm production-----	---	75	121	126	89	127	84	123	43	174	129
Crop yields per acre-----	---	62	105	114	89	129	82	126	44	194	137
Production per hour of man labor-----	---	65	105	123	88	124	88	125	49	187	145
Production per unit of input-----	---	75	116	126	91	123	86	118	48	174	135
Operating expense per unit of production-----	---	118	76	72	103	80	117	87	208	60	74
Total cost per unit of production-----	---	121	76	72	104	79	117	85	212	61	79
Power and machinery (quantity)-----	---	101	97	98	98	101	101	100	94	91	92
Prices received for products sold-----	---	101	96	99	101	96	103	90	123	101	94
Prices paid, including wages to hired labor-----	---	95	93	97	98	101	101	101	100	103	103

1/ Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

2/ 1957-59 = 100.

TABLE 64.--Wheat-corn-livestock farms, Northern Plains: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	476	480	487	502	506	510	515	520	530	540
Cropland harvested-----	do.	320	328	318	349	348	319	345	327	285	298
Fallow-----	do.	26	14	15	16	23	19	23	33	87	82
Failure-----	do.	8	10	26	4	2	38	3	15	11	5
Crops harvested:											
Wheat-----	do.	61.3	55.4	49.5	54.3	63.7	60.2	67.0	69.0	55.3	58.5
Other small grains-----	do.	100.8	110.9	93.6	113.5	115.6	87.4	101.1	97.5	84.0	81.7
Corn-----	do.	48.9	52.7	52.3	54.7	57.2	61.7	61.7	56.1	45.7	56.7
Flaxseed-----	do.	38.0	31.8	36.4	36.6	28.7	27.2	28.6	25.1	25.0	27.5
Hay-----	do.	71.2	77.6	86.2	90.3	82.3	82.8	86.6	79.4	75.0	73.7
Crop yields per harvested acre:											
Wheat-----	Bushel	9.3	11.9	12.9	19.4	23.7	9.1	19.8	15.8	21.6	13.5
Corn-----	do.	26.5	24.1	32.1	34.9	26.1	20.1	31.9	33.3	34.0	47.3
Flaxseed-----	do.	6.2	6.8	7.6	5.7	11.0	5.6	8.2	7.9	10.5	9.0
Hay-----	Ton	1.1	1.0	1.1	1.3	1.2	.8	1.2	1.1	1.5	1.3
Livestock on farm, Jan. 1:											
All cattle-----	Number	42.3	44.0	46.6	46.4	46.4	46.8	45.9	48.6	52.4	58.0
Milk cows-----	do.	7.6	7.4	7.5	7.5	6.7	6.0	5.8	5.3	5.3	5.3
Beef cows-----	do.	11.9	12.7	13.3	13.4	14.8	15.6	15.9	16.3	18.6	20.2
Chickens-----	do.	110	114	110	114	111	117	114	108	102	95
All sheep-----	do.	10	13	12	14	15	15	15	15	15	15
Pigs raised-----	do.	33	36	29	28	33	33	25	34	24	25
Tractors on farm-----	do.	1.85	1.85	1.85	2.00	2.10	2.20	2.30	2.25	2.30	2.30
Total cash receipts-----											
Wheat-----	Dollar	6,954	6,180	7,165	9,523	11,399	7,091	9,547	9,270	10,231	10,447
Flaxseed-----	do.	1,079	1,224	1,161	2,006	2,684	919	2,406	2,163	2,480	1,444
Other crops-----	do.	652	551	745	592	805	412	612	605	701	655
Livestock-----	do.	1,481	1,042	1,328	2,293	2,338	249	1,858	1,519	1,331	1,946
Butterfat-----	do.	2,817	2,424	2,726	3,230	4,327	4,363	3,504	3,618	3,972	4,392
Poultry and eggs-----	do.	474	472	523	598	583	571	539	531	551	544
Other, including Government payments-----	do.	383	413	413	365	403	335	361	353	298	319
Other, including Government payments-----	do.	68	54	269	439	259	242	267	481	898	1,147
Total cash expenditures-----											
Feed purchased-----	do.	4,506	4,576	4,551	4,497	4,659	3,982	4,329	4,296	5,178	4,681
Livestock expense-----	do.	237	218	219	212	248	307	259	279	833	495
Crop expense-----	do.	208	214	219	221	251	253	235	251	236	238
Machinery purchased-----	do.	298	368	320	506	457	413	486	496	528	523
Other machinery expense-----	do.	1,217	1,134	1,145	759	824	565	602	599	904	895
Farm buildings and fences-----	do.	1,348	1,427	1,473	1,453	1,496	1,278	1,508	1,527	1,532	1,343
Labor hired-----	do.	276	282	239	415	460	322	350	200	200	230
Taxes-----	do.	381	37	368	307	241	144	172	156	153	147
Other-----	do.	503	516	520	578	631	645	657	723	722	738
Other-----	do.	38	40	40	46	51	55	60	65	70	72
Net cash farm income-----	do.	2,448	1,604	2,614	5,026	6,740	3,109	5,218	4,974	5,053	5,766
Value of perquisites-----	do.	588	579	580	637	653	586	625	628	599	562
Change of inventory:											
Crops and livestock-----	do.	435	136	270	380	117	-880	218	230	1,227	544
Machinery and buildings-----	do.	-17	-101	-181	-575	-95	-472	-387	-500	-190	-161
Net farm income-----	do.	3,454	2,218	3,283	5,468	7,415	2,343	5,674	5,332	6,689	6,711

TABLE 65.--Wheat-corn-livestock farms, Northern Plains: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,910	3,980	3,850	3,750	3,700	3,470	3,540	3,730	3,660	3,500
Operator and family-----	do.	3,430	3,500	3,390	3,380	3,410	3,300	3,340	3,550	3,490	3,340
Hired-----	do.	480	480	460	370	290	170	200	180	170	160
Total farm capital, Jan. 1-----	Dollar	39,300	39,950	40,340	44,160	48,250	53,600	52,540	52,870	56,180	60,610
Land and buildings-----	do.	23,400	23,760	24,670	27,220	29,620	32,740	33,540	34,260	36,810	39,750
Machinery and equipment-----	do.	8,420	8,460	8,720	9,110	8,820	9,030	8,760	8,480	8,250	8,370
Livestock-----	do.	4,920	5,070	4,640	5,090	6,990	8,860	7,160	7,740	8,550	9,950
Crops-----	do.	2,560	2,660	2,310	2,740	2,820	2,970	3,080	2,300	2,570	2,540
Gross farm income-----	do.	7,977	6,895	8,015	10,540	12,169	6,797	10,389	10,128	12,057	11,553
Operating expenses-----	do.	4,523	4,677	4,732	5,072	4,754	4,454	4,715	4,796	5,368	4,842
Net farm income-----	do.	3,454	2,218	3,283	5,468	7,415	2,343	5,674	5,332	6,689	6,711
Purchasing power in 1947-49 dollars-----	do.	3,112	1,998	2,931	4,714	6,284	1,986	4,768	4,481	5,528	5,501
Charge for capital at current interest rates-----	do.	1,641	1,671	1,689	2,066	2,735	2,750	3,238	3,204	3,177	3,413
Return per hour, operator and family labor-----	do.	.53	.16	.47	1.01	1.37	-.12	.73	.60	1.01	.99
Charge for capital at 4.1 percent interest-----	do.	1,680	1,711	1,729	1,890	2,059	2,268	2,240	2,253	2,390	2,564
Return per hour, operator and family labor-----	do.	.53	.14	.46	1.06	1.57	.02	1.03	.87	1.23	1.24
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Gross farm income-----	---	81	70	81	107	124	69	106	103	123	117
Net farm income-----	---	68	44	65	108	146	46	112	105	132	132
Net farm production-----	---	82	79	88	109	126	65	112	94	104	103
Crop yields per acre-----	---	78	77	81	113	130	57	119	98	123	114
Production per hour of man labor-----	---	76	73	84	107	124	69	116	92	105	108
Production per unit of input-----	---	82	78	86	105	124	71	115	95	104	108
Operating expense per unit of production-----	---	112	118	108	93	76	131	84	103	102	94
Total cost per unit of production-----	---	108	114	103	87	76	137	86	106	101	99
Power and machinery (quantity)-----	---	115	113	112	103	101	96	93	88	87	87
Prices received for products sold-----	---	101	90	91	96	100	104	93	104	105	100
Prices paid, including wages to hired labor-----	---	98	98	96	98	101	101	101	103	110	107

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 66.--Wheat-fallow farms, Northern Plains: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acre	686	705	724	742	761	780	799	818	836	855
Cropland harvested-----	do.	355	368	358	349	339	339	361	244	339	346
Fallow and idle-----	do.	176	175	182	177	204	219	200	330	248	256
Pasture and other land-----	do.	155	164	184	216	218	222	238	244	249	253
Crops harvested:											
Durum wheat-----	do.	3	5	12	19	6	13	27	28	45	43
Other spring wheat-----	do.	163	157	153	125	146	153	140	127	105	121
Other small grains-----	do.	87	108	91	112	117	101	112	31	107	111
Flaxseed-----	do.	58	50	52	40	19	14	20	5	12	17
Hay-----	do.	40	43	45	48	45	51	55	47	65	48
Crop yields per harvested acre:											
Wheat-----	Bushel	9.8	17.6	18.5	17.0	16.8	13.2	19.2	6.9	31.1	26.2
Flaxseed-----	do.	6.7	8.1	8.4	2.8	4.3	3.3	6.2	2.8	12.9	10.8
Hay-----	Ton	1.33	1.24	1.19	1.02	.82	.85	1.18	.74	1.38	1.22
Livestock on farm, Jan. 1:											
All cattle-----	Number	20.5	21.5	22.8	22.6	19.4	17.3	18.4	21.7	21.5	24.9
Milk cows-----	do.	4.1	3.8	3.8	3.9	3.4	3.0	3.0	3.4	2.9	3.0
Beef cows-----	do.	5.6	6.9	7.7	7.5	7.6	7.4	7.4	7.7	7.8	9.0
Chickens-----	do.	31	30	29	28	27	26	25	24	23	22
Pigs raised-----	do.	1.8	1.6	1.0	1.6	1.7	1.7	.9	1.2	1.1	1.1
Tractors on farm-----	do.	1.66	1.68	1.82	1.92	1.96	1.96	2.00	2.00	2.00	2.00
Total cash receipts-----											
Wheat-----	Dollar	7,977	10,316	10,311	8,292	7,999	6,438	8,578	4,665	15,509	13,528
Other crops-----	do.	4,333	6,400	6,154	4,474	4,264	3,845	5,459	2,092	9,523	7,981
Livestock-----	do.	2,244	2,677	2,563	1,318	1,388	763	1,549	119	3,408	2,978
Milk-----	do.	830	759	893	1,410	1,529	1,164	786	1,504	1,061	1,041
Poultry and eggs-----	do.	314	283	298	329	283	257	268	340	272	272
Other, including Government payments-----	do.	71	70	73	56	62	44	47	55	.3	45
	do.	185	127	330	705	473	365	469	555	1,202	1,211
Total cash expenditures-----											
Feed purchased-----	do.	4,521	5,278	4,721	4,542	4,768	4,719	5,432	4,216	6,475	5,842
Livestock expense-----	do.	137	74	75	81	89	54	49	47	39	42
Crop expense-----	do.	53	49	51	52	80	73	73	56	56	59
Machinery-----	do.	377	459	414	433	453	522	609	585	707	653
Farm buildings and fences-----	do.	3,014	3,134	3,156	3,007	3,100	3,030	3,038	2,475	3,274	3,756
Labor hired-----	do.	134	721	163	96	103	102	610	97	1,275	208
Taxes-----	do.	261	240	252	251	263	242	261	213	256	224
Other-----	do.	399	438	434	467	526	543	601	630	672	710
	do.	146	163	176	155	154	153	191	113	196	190
Net cash farm income-----	do.	3,456	5,038	5,590	3,750	3,231	1,719	3,146	449	9,034	7,686
Value of perquisites-----	do.	464	461	451	442	501	526	568	592	614	582
Change in inventory:											
Crops and livestock-----	do.	-6	170	-97	-497	-503	172	751	-479	947	623
Machinery and buildings-----	do.	104	618	9	-226	-216	-175	144	-479	784	341
Net farm income-----	do.	4,018	6,287	5,953	3,469	3,013	2,242	4,609	83	11,379	9,232

TABLE 57.--Wheat-fallow farms, Northern Plains: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	2,450	2,510	2,570	2,510	2,410	2,330	2,410	2,420	2,580	2,670
Operator and family-----	do.	2,190	2,270	2,320	2,270	2,160	2,100	2,170	2,220	2,340	2,470
Hired-----	do.	260	240	250	240	250	230	240	200	240	200
Total farm capital, Jan. 1-----	Dollar	33,940	35,090	37,110	41,190	45,050	49,850	52,110	55,010	56,490	60,560
Land and buildings-----	do.	22,520	23,410	25,300	28,580	32,010	36,260	38,470	40,960	42,670	45,700
Machinery and equipment-----	do.	7,670	7,920	8,320	9,050	9,310	9,600	9,530	9,400	9,240	9,300
Livestock-----	do.	2,180	2,250	2,100	2,190	2,600	2,980	2,760	3,310	3,360	4,130
Crops-----	do.	1,570	1,510	1,390	1,370	1,130	1,010	1,350	1,340	1,220	1,430
Gross farm income-----	do.	8,435	10,947	10,665	8,237	7,997	7,136	9,897	4,778	17,070	14,733
Operating expenses-----	do.	4,417	4,660	4,712	4,768	4,984	4,894	5,288	4,695	5,691	5,501
Net farm income-----	do.	4,018	6,287	5,953	3,469	3,013	2,242	4,609	83	11,379	9,232
Purchasing power in 1947-49 dollars-----	do.	3,620	5,664	5,315	2,991	2,553	1,900	3,873	70	9,404	7,567
Charge for capital at current interest rates-----	do.	1,440	1,493	1,576	1,947	2,372	2,388	3,240	3,176	3,235	3,446
Return per hour, operator and family labor-----	do.	1.18	2.11	1.89	.67	.20	-.16	.63	-1.39	3.48	2.34
Charge for capital at 4.1 percent interest ^{1/} -----	do.	1,474	1,528	1,614	1,782	1,941	2,140	2,250	2,350	2,444	2,598
Return per hour, operator and family labor-----	do.	1.16	2.10	1.87	.74	.50	.05	1.09	-1.02	3.82	2.69
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Gross farm income-----	---	108	141	137	106	103	91	127	61	219	189
Net farm income-----	---	138	216	205	119	104	77	158	3	391	317
Net farm production-----	---	91	134	136	105	105	90	135	48	203	183
Crop yields per acre-----	---	86	130	128	109	107	84	129	53	213	180
Production per hour of man labor-----	---	90	129	128	101	105	94	136	48	190	165
Production per unit of input-----	---	93	131	131	104	104	92	130	54	184	167
Operating expense per unit of production-----	---	99	72	72	93	97	110	81	184	59	63
Total cost per unit of production-----	---	97	70	71	93	96	111	80	197	59	66
Power and machinery (quantity)-----	---	98	100	100	101	100	99	96	92	91	95
Prices received for products sold-----	---	128	114	106	99	100	101	94	110	109	102
Prices paid, including wages to hired labor-----	---	92	93	94	98	100	102	103	104	106	108

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 68.--Winter wheat farms, Southern Plains: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	690	714	720	726	732	759	773	787	800	810
Cropland harvested-----	do.	373	321	284	304	373	360	368	356	333	334
Crops harvested:											
Wheat-----	do.	255.6	203.1	197.9	104.7	237.7	230.7	235.1	237.6	215.1	215.9
Sorghum for grain-----	do.	65.7	56.1	31.2	123.5	71.8	72.4	68.2	52.0	51.0	58.8
Sorghum for forage-----	do.	24.0	36.0	29.9	26.0	20.1	18.5	22.7	21.3	21.3	21.5
Hay-----	do.	6.5	7.7	8.1	10.0	11.2	10.1	11.4	13.1	19.5	16.4
Crop yields per harvested acre:											
Wheat-----	Bushel	14.6	13.1	12.4	16.0	28.7	17.2	25.7	23.7	24.2	18.5
Sorghum for grain-----	do.	15.0	9.7	14.8	19.3	32.4	28.6	30.1	33.1	37.1	34.7
Hay-----	Ton	1.9	1.6	1.4	2.0	2.3	2.3	2.2	2.2	2.5	2.1
Livestock on farm, Jan. 1:											
All cattle-----	Number	39.4	42.9	40.3	33.1	40.7	43.1	47.8	49.7	56.7	60.7
Milk cows-----	do.	4.3	3.0	2.9	2.9	2.8	2.6	2.4	2.1	2.7	2.4
Beef cows-----	do.	15.0	16.7	14.9	12.5	13.0	12.7	13.5	16.0	17.8	18.5
Chickens-----	do.	.5	69	67	70	64	66	66	66	66	66
Pigs raised-----	do.	2.7	2.8	2.8	3.7	4.3	4.9	4.8	5.6	5.6	6.5
Tractors on farm-----	do.	1.67	1.73	1.80	1.90	2.00	2.20	2.21	2.21	2.22	2.23
Total cash receipts-----											
Wheat-----	Dollar	11,478	9,463	8,782	8,757	17,755	12,189	15,811	15,474	18,324	14,734
Other crops-----	do.	7,673	5,839	4,580	2,969	11,858	6,686	10,224	9,743	10,218	7,059
Cattle-----	do.	1,061	589	579	2,290	2,330	1,498	1,529	1,472	1,656	1,233
Hogs-----	do.	1,821	2,285	2,714	837	2,660	3,266	3,304	2,949	4,180	3,836
Other livestock and livestock products-----	do.	36	34	60	76	97	102	116	138	202	212
Other, including Government payments-----	do.	738	573	577	560	542	494	502	497	585	497
	do.	149	123	272	2,025	268	143	136	675	1,483	1,897
Total cash expenditures-----											
Feed purchased-----	do.	4,858	4,611	4,481	4,840	5,945	5,737	6,504	6,968	7,008	6,865
Livestock expense-----	do.	460	411	426	340	313	334	324	334	383	408
Crop expense-----	do.	96	91	92	129	363	728	716	838	791	601
Machinery purchased-----	do.	390	422	437	432	584	382	436	457	554	655
Other machinery expense-----	do.	1,321	1,239	1,118	1,167	1,272	1,154	1,460	1,527	1,596	1,432
Farm buildings and fences-----	do.	1,503	1,425	1,398	1,278	1,595	1,491	1,657	1,631	1,615	1,582
Labor hired-----	do.	177	80	85	513	746	523	530	724	495	544
Taxes-----	do.	312	301	281	287	354	341	371	378	369	366
Other-----	do.	558	595	597	646	669	726	947	1,012	1,137	1,207
	do.	41	43	47	48	49	58	63	67	68	70
Net cash farm income-----	do.	6,620	4,852	4,301	3,917	11,810	6,452	9,307	8,506	11,316	7,869
Value of perquisites-----	do.	666	622	634	677	721	734	771	810	718	812
Change in inventory:											
Crops and livestock-----	do.	271	-266	-806	1,672	384	524	299	1,083	750	261
Machinery and buildings-----	do.	28	-171	-321	78	374	67	307	509	278	144
Net farm income-----	do.	7,585	5,037	3,808	6,344	13,289	7,777	10,684	10,908	13,062	9,086

TABLE 69.--Winter wheat farms, Southern Plains: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	2,620	2,460	2,380	2,390	3,100	2,860	3,040	3,000	2,970	2,860
Operator and family-----	do.	2,280	2,130	2,080	2,090	2,740	2,520	2,680	2,640	2,630	2,530
Hired-----	do.	340	330	300	300	360	340	360	360	340	330
Total farm capital, Jan. 1-----	Dollar	68,590	73,110	74,760	75,900	83,490	91,540	94,140	96,310	103,610	110,320
Land and buildings-----	do.	55,200	59,260	61,200	62,440	67,340	73,620	76,530	77,910	83,200	88,290
Machinery and equipment-----	do.	8,230	8,490	8,900	9,390	9,490	9,860	9,900	10,170	10,640	11,160
Livestock-----	do.	3,510	3,710	3,270	2,760	4,830	6,480	5,900	6,230	7,520	8,280
Crops-----	do.	1,650	1,650	1,390	1,310	1,830	1,580	1,810	2,000	2,250	2,590
Gross farm income-----	do.	12,415	9,819	8,610	11,106	18,860	13,447	16,881	17,367	19,792	15,807
Operating expenses-----	do.	4,830	4,782	4,802	4,762	5,571	5,670	6,197	6,459	6,730	6,721
Net farm income-----	do.	7,585	5,037	3,808	6,344	13,289	7,777	10,684	10,908	13,062	9,086
Purchasing power in 1947-49 dollars-----	do.	6,833	4,538	3,400	5,469	11,262	6,591	8,978	9,166	10,795	7,448
Charge for capital at current interest rates-----	do.	2,821	2,998	3,066	3,489	4,684	4,556	5,740	5,388	5,793	6,163
Return per hour, operator and family labor-----	do.	2.09	.96	.36	1.37	3.14	1.28	1.84	2.09	2.76	1.15
Charge for capital at 4.1 percent interest-----	do.	2,889	3,072	3,141	3,185	3,516	3,750	3,952	4,039	4,342	4,620
Return per hour, operator and family labor-----	do.	2.06	.92	.32	1.51	3.57	1.60	2.51	2.60	3.32	1.77
INDEX NUMBERS ²											
Gross farm income-----	---	86	68	59	77	130	93	117	120	137	109
Net farm income-----	---	83	55	42	69	146	85	117	119	143	99
Net farm production-----	---	85	66	65	139	96	128	121	122	107	
Crop yields per acre-----	---	68	61	44	58	144	98	127	121	126	91
Production per hour of man labor-----	---	93	85	79	78	127	95	120	115	117	106
Production per unit of input-----	---	90	79	73	73	131	96	118	111	110	98
Operating expense per unit of production-----	---	101	115	126	127	72	101	84	93	95	108
Total cost per unit of production-----	---	97	111	123	126	72	102	83	90	93	108
Power and machinery (quantity)-----	---	102	103	103	101	100	99	99	102	105	106
Prices received for products sold-----	---	108	97	91	101	100	99	95	98	108	98
Prices paid, including wages to hired labor-----	---	95	96	97	99	100	101	103	105	107	110

1/ Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

2/ 1957-59 = 100.

TABLE 70.--Wheat-grain sorghum farms, Southern Plains: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	793	804	815	825	836	847	858	869	879	889
Cropland harvested-----	do.	368	376	304	352	413	402	409	375	355	307
Crops harvested:											
Wheat-----	do.	164	133	188	27	255	245	254	257	219	153
Barley-----	do.	6	3	1	8	10	13	16	16	21	3
Sorghum for grain-----	do.	154	180	58	269	125	120	113	81	87	115
Sorghum for forage-----	do.	35	51	49	40	14	18	19	13	19	26
Crop yields per harvested acre:											
Wheat-----	Bushel	8.2	10.3	10.6	18.9	24.5	18.1	31.1	28.8	21.9	13.9
Barley-----	do.	9.3	14.7	14.5	19.1	23.8	21.9	25.0	28.1	18.9	15.0
Sorghum for grain-----	do.	13.9	12.3	21.4	19.6	29.3	32.7	36.5	37.5	41.9	39.1
Sorghum for forage-----	Ton	.5	1.3	.5	1.9	2.8	1.8	2.1	2.3	2.6	2.8
Livestock on farm, Jan. 1:											
All cattle-----	Number	33.8	40.4	41.0	24.9	36.6	43.0	50.7	53.7	64.7	72.5
Milk cows-----	do.	1.7	1.6	1.5	1.4	1.2	1.0	1.1	1.2	1.4	1.0
Beef cows-----	do.	12.4	14.1	11.7	8.7	8.0	10.2	7.7	8.1	12.2	16.2
Chickens-----	do.	42	42	41	41	35	36	28	26	26	26
Pigs raised-----	do.	2.0	2.7	2.8	2.6	3.9	5.1	4.8	3.9	6.5	4.9
Tractors on farm-----	do.	1.86	1.90	1.87	1.85	1.87	1.90	1.92	1.90	1.91	1.92
Total cash receipts-----	Dollar	6,611	6,240	8,679	6,600	16,332	13,259	20,194	20,435	19,367	16,072
Wheat-----	do.	2,596	2,429	3,877	639	10,837	7,455	13,492	13,092	9,151	3,969
Other crops-----	do.	2,237	1,695	1,159	4,981	3,455	2,840	2,848	2,608	3,042	3,142
Cattle-----	do.	1,423	1,715	3,193	436	1,531	2,438	3,319	2,982	4,453	5,662
Hogs-----	do.	36	28	58	44	54	107	110	86	178	202
Other livestock and livestock products-----	do.	216	226	213	190	143	105	112	134	157	47
Other, including Government payments-----	do.	103	147	179	310	312	314	313	1,533	2,386	3,050
Total cash expenditures-----	do.	6,612	6,270	4,777	5,562	8,224	8,437	9,787	10,566	10,841	13,107
Feed purchased-----	do.	285	173	193	110	132	153	174	425	417	288
Livestock expense-----	do.	501	223	79	908	1,167	1,756	1,959	2,651	2,783	2,996
Crop expense-----	do.	368	541	467	546	511	568	613	641	670	862
Machinery purchased-----	do.	2,188	2,225	1,247	868	1,629	1,467	1,789	1,906	1,724	1,159
Other machinery expense-----	do.	1,470	1,600	1,432	1,718	2,301	2,233	2,778	2,561	2,415	2,269
Farm buildings and fences-----	do.	539	278	48	79	899	609	630	523	863	489
Labor hired-----	do.	370	377	360	424	472	500	554	530	551	563
Taxes-----	do.	751	710	803	754	938	1,000	1,119	1,157	1,249	1,315
Other-----	do.	140	143	148	155	175	151	171	172	169	166
Net cash farm income-----	do.	-1	-30	3,902	1,038	8,108	4,822	10,407	9,869	8,526	5,965
Value of perquisites-----	do.	625	628	630	683	737	733	750	760	712	753
Change in inventory:											
Crops and livestock-----	do.	240	697	-2,226	1,954	976	819	296	1,613	1,340	651
Machinery and buildings-----	do.	1,353	1,021	-24	-563	919	346	696	515	563	-345
Net farm income-----	do.	2,217	2,316	2,282	3,112	10,740	6,720	12,149	12,757	11,141	7,024

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USDA STATISTICAL BULLETINS

UPDATA

COSTS AND RETURNS ON COMMERCIAL FARMS LONG-TERM STUDY, 1954-63

GOODSELL, W. D.; JENKINS, I.

2 OF 2

TABLE 71. --Wheat-grain sorghum farms, Southern Plains: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,050	3,110	3,050	3,260	3,180	3,120	3,380	3,300	3,180	3,130
Operator and family-----	do.	2,630	2,680	2,650	2,800	2,680	2,600	2,870	2,820	2,700	2,650
Hired-----	do.	420	430	400	460	500	520	510	480	480	480
Total farm capital, Jan. 1-----	Dollar	71,360	76,040	75,320	89,320	96,130	100,610	103,610	109,990	118,240	125,910
Land and buildings-----	do.	59,480	63,520	61,940	77,550	81,930	83,850	86,660	92,110	97,570	103,120
Machinery and equipment-----	do.	7,660	8,040	8,530	8,740	8,720	9,230	9,480	9,980	10,640	11,100
Livestock-----	do.	2,860	3,420	3,210	2,030	4,230	6,340	6,180	6,670	8,530	9,850
Crops-----	do.	1,360	1,060	1,640	1,000	1,250	1,190	1,290	1,230	1,500	1,840
Gross farm income-----	do.	7,476	7,565	7,083	9,237	18,045	14,811	21,240	22,808	21,419	17,476
Operating expenses-----	do.	5,259	5,249	4,801	6,125	7,305	8,091	9,091	10,051	10,278	10,452
Net farm income-----	do.	2,217	2,316	2,282	3,112	10,740	6,720	12,149	12,757	11,141	7,024
Purchasing power in 1947-49 dollars-----	do.	1,997	2,086	2,038	2,683	9,102	5,695	10,209	10,371	9,207	5,757
Charge for capital at current interest rates-----	do.	2,911	3,108	3,073	4,090	5,372	5,117	6,326	6,153	6,606	7,033
Return per hour, operator and family labor-----	do.	-.26	-.30	-.30	-.35	2.00	.62	2.03	2.34	1.68	2/
Charge for capital at 4.1 percent interest 1/-----	do.	2,983	3,184	3,148	3,733	4,026	4,212	4,357	4,614	4,951	5,270
Return per hour, operator and family labor-----	do.	-.29	-.32	-.33	-.22	2.51	.96	2.71	2.89	2.29	.66
INDEX NUMBERS ³											
Gross farm income-----	---	53	54	50	66	129	105	151	163	153	125
Net farm income-----	---	32	34	33	45	157	98	177	186	162	102
Net farm production-----	---	49	57	56	62	131	107	159	143	116	86
Crop yields per acre-----	---	37	46	46	87	119	94	156	140	115	73
Production per hour of man labor-----	---	51	58	59	60	131	109	150	138	116	88
Production per unit of input-----	---	58	62	63	68	127	105	139	126	106	86
Operating expense per unit of production-----	---	135	127	120	125	77	98	76	88	106	130
Total cost per unit of production-----	---	141	134	133	131	76	93	71	81	98	121
Power and machinery (quantity)-----	---	104	107	102	98	100	102	107	110	112	108
Prices received for products sold-----	---	111	97	92	102	102	96	95	101	107	98
Prices paid, including wages to hired labor-----	---	90	91	94	94	103	103	103	104	105	102

1/ Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

2/ Less than 1 cent.

3/ 1957-59 = 100.

TABLE 72. --Wheat-pea farms, Washington and Idaho: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	524	536	549	550	555	566	576	585	595	600
Cropland harvested-----	do.	364	361	382	374	340	398	381	395	393	390
Other cropland-----	do.	121	136	126	135	174	121	143	137	148	156
Crops harvested:											
Wheat-----	do.	173	166	170	167	169	169	170	174	150	178
Oats and barley-----	do.	99	81	76	104	111	106	96	101	94	81
Peas-----	do.	74	94	113	82	55	101	97	98	134	112
Hay-----	do.	18	20	23	21	15	22	18	22	16	19
Crop yields per harvested acre:											
Wheat-----	Bushel	47.9	38.4	39.7	48.2	41.2	50.9	42.8	35.8	55.1	51.4
Barley-----	do.	43.4	31.3	42.4	44.6	37.0	41.8	37.8	42.7	46.9	51.6
Peas-----	Cwt.	13.5	8.4	13.9	13.0	10.6	16.4	10.5	10.9	15.0	15.1
Livestock on farm, Jan. 1:											
All cattle-----	Number	14.1	14.6	15.5	15.0	15.2	15.1	16.0	16.0	16.0	17.3
Milk cows-----	do.	2.1	2.0	2.0	2.0	1.8	1.5	1.6	1.4	1.2	.9
Chickens-----	do.	50	47	46	48	48	48	48	47	48	48
Pigs raised-----	do.	9	15	15	17	16	21	19	30	26	30
Tractors on farm-----	do.	2.06	2.12	2.18	2.24	2.30	2.40	2.40	2.40	2.78	2.80
Total cash receipts-----											
Wheat-----	Dollar	25,913	18,134	22,795	24,304	18,442	24,865	20,412	20,538	32,653	30,085
Peas-----	do.	16,166	11,614	12,204	14,780	11,395	13,904	12,220	10,945	15,783	13,855
Other crops-----	do.	3,875	3,007	6,284	3,428	2,242	5,890	3,639	3,912	9,770	7,242
Cattle-----	do.	4,337	1,793	2,479	3,660	2,495	3,230	2,380	3,264	3,653	3,220
Hogs-----	do.	632	602	773	796	979	864	1,065	1,004	785	1,007
Dairy products-----	do.	304	424	424	615	562	503	561	925	931	967
Other livestock and livestock products-----	do.	295	308	346	362	317	228	254	215	154	77
Other, including Government payments-----	do.	195	207	196	192	199	179	203	183	176	189
Other-----	do.	109	179	89	471	253	67	90	90	1,401	528
Total cash expenditures-----											
Feed purchased-----	do.	9,493	9,879	10,116	10,299	9,207	12,939	12,952	12,008	12,633	13,684
Livestock purchased-----	do.	340	383	395	398	316	323	310	328	337	352
Livestock expense-----	do.	87	91	97	102	104	104	111	121	70	73
Crop expense-----	do.	1,720	1,677	1,577	1,912	1,749	1,698	1,838	1,915	3,540	3,817
Machinery purchased-----	do.	2,244	2,221	2,264	1,987	1,819	5,164	4,961	3,735	2,579	3,037
Other machinery expense-----	do.	2,639	2,582	2,866	2,934	2,684	2,896	2,854	2,878	3,122	3,165
Farm buildings and fences-----	do.	274	589	473	490	337	458	440	456	446	647
Labor hired-----	do.	1,252	1,274	1,350	1,311	1,001	1,019	1,036	1,020	944	979
Taxes-----	do.	801	910	938	983	1,029	1,100	1,213	1,347	1,373	1,394
Other-----	do.	136	152	156	162	168	177	189	208	222	219
Net cash farm income-----	do.	16,420	8,255	12,679	14,005	9,235	11,926	7,460	8,530	20,020	16,401
Value of perquisites-----	do.	919	955	983	1,008	1,059	1,060	1,031	876	896	903
Change in inventory:											
Crops and livestock-----	do.	159	78	-83	-215	428	136	69	-18	-967	-23
Machinery and buildings-----	do.	109	342	143	-220	-565	2,515	2,015	691	-489	127
Net farm income-----	do.	17,607	9,630	13,722	14,578	10,157	15,637	10,575	10,079	19,460	17,408

TABLE 73. --Wheat-pea farms, Washington and Idaho: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,300	3,320	3,350	3,410	3,500	3,520	3,520	3,490	3,480	3,500
Operator and family-----	do.	2,300	2,300	2,300	2,390	2,740	2,750	2,750	2,750	2,900	2,910
Hired-----	do.	1,000	1,020	1,050	1,020	760	770	770	740	580	590
Total farm capital, Jan. 1-----	Dollar	133,490	145,340	151,890	161,040	171,130	178,450	180,090	187,650	199,510	202,690
Land and buildings-----	do.	115,850	127,130	132,860	140,800	150,400	156,700	156,200	161,460	171,950	175,800
Machinery and equipment-----	do.	14,200	14,600	15,480	16,740	17,180	17,150	19,790	21,920	23,090	23,100
Livestock-----	do.	1,510	1,530	1,450	1,560	2,080	2,690	2,300	2,350	2,390	2,700
Crops-----	do.	1,930	2,080	2,100	1,940	1,470	1,910	1,800	1,920	2,080	1,090
Gross farm income-----	do.	26,991	19,167	23,695	25,097	19,929	26,061	21,512	21,396	32,582	30,965
Operating expenses-----	do.	9,384	9,537	9,973	10,519	9,772	10,424	10,937	11,317	13,122	13,557
Net farm income-----	do.	17,607	9,630	13,722	14,578	10,157	15,637	10,575	10,079	19,460	17,408
Purchasing power in 1947-49 dollars-----	do.	13,862	8,676	12,252	12,567	8,608	13,252	8,887	8,470	16,083	14,269
Charge for capital at current interest rates-----	do.	5,512	5,981	6,251	8,251	9,590	9,108	11,006	11,458	11,250	11,449
Return per hour, operator and family labor-----	do.	5.26	1.59	3.25	2.65	.21	2.37	-.16	-.50	2.83	2.05
Charge for capital at 4.1 percent interest ^{1/} -----	do.	5,646	6,126	6,403	6,802	7,194	7,501	7,585	7,892	8,457	8,609
Return per hour, operator and family labor-----	do.	5.20	1.52	3.18	3.25	1.08	2.96	1.09	.80	3.79	3.02
INDEX NUMBERS ²											
Gross farm income-----	---	114	81	100	106	84	110	91	90	137	131
Net farm income-----	---	131	72	102	108	76	116	79	75	145	129
Net farm production-----	---	99	75	95	102	82	116	92	87	115	117
Crop yields per acre-----	---	103	77	93	102	87	111	89	82	115	113
Production per hour of man labor-----	---	104	79	99	104	82	114	91	87	115	116
Production per unit of input-----	---	104	79	97	103	84	113	88	83	106	105
Operating expense per unit of production-----	---	92	121	101	99	113	88	114	124	103	106
Total cost per unit of production-----	---	86	115	95	94	117	89	114	123	101	103
Power and machinery (quantity)-----	---	96	98	98	97	95	108	119	120	118	118
Prices received for products sold-----	---	118	108	106	103	101	96	99	104	109	104
Prices paid, including wages to hired labor-----	---	93	94	96	99	100	101	102	104	105	105

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 74.--Wheat-fallow farms, Washington and Oregon: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in farm-----	Acres	1,331	1,336	1,341	1,346	1,352	1,358	1,363	1,368	1,400	1,403
Cropland harvested-----	do.	443	474	478	479	486	466	461	476	411	460
Summer fallow-----	do.	441	428	439	442	443	451	465	402	442	426
Other cropland-----	do.	48	39	34	37	38	59	54	105	154	151
Crops harvested:											
Winter wheat-----	do.	288	308	190	257	304	277	306	300	235	298
Spring wheat-----	do.	42	16	135	31	18	40	12	20	35	14
Other small grains-----	do.	97	122	123	171	149	137	128	140	124	133
All hay-----	do.	17	28	30	20	15	12	15	16	17	14
Crop yields per harvested acre:											
All wheat-----	Bushel	25.7	20.3	22.7	32.5	32.6	32.9	28.9	24.8	35.9	31.6
Barley-----	do.	32.1	19.4	30.1	38.4	28.2	35.1	28.9	34.6	37.5	34.0
Hay-----	Ton	1.4	1.0	1.5	1.7	1.3	1.4	1.2	1.7	1.5	1.4
Livestock on farm, Jan. 1:											
All cattle-----	Number	28.9	30.5	32.0	30.0	31.1	31.4	32.2	31.7	33.0	35.0
Beef cows-----	do.	12.7	13.0	14.3	13.4	13.5	13.7	13.8	14.3	14.3	15.1
Pigs raised-----	do.	5.3	8.6	8.1	7.0	9.6	11.6	9.2	10.1	11.4	11.8
Tractors on farm-----	do.	1.47	1.49	1.51	1.51	1.53	1.55	1.53	1.55	2.00	2.02
Total cash receipts-----	Dollar	21,804	15,418	18,792	26,022	24,027	23,879	21,389	20,990	26,039	25,342
Wheat-----	do.	17,411	12,172	13,824	17,748	18,087	17,866	16,262	14,659	18,760	18,700
Barley-----	do.	2,667	1,431	2,505	4,300	2,657	2,929	2,133	3,601	2,917	2,856
Other crops-----	do.	186	136	213	720	484	423	423	333	503	402
Cattle-----	do.	1,213	1,178	1,653	1,467	2,024	2,019	1,939	1,719	1,899	1,772
Hogs-----	do.	111	244	267	251	332	371	291	334	337	375
Dairy products-----	do.	34	35	49	76	66	42	60	64	63	90
Other livestock and livestock products-----	do.	100	111	118	111	108	97	110	101	86	88
Other, including Government payments-----	do.	82	111	162	1,349	269	132	171	179	1,474	1,059
Total cash expenditures-----	do.	9,960	8,703	8,952	9,652	10,044	9,975	10,936	10,453	10,229	10,967
Feed purchased-----	do.	290	308	365	209	236	247	269	259	257	249
Livestock expense-----	do.	65	66	71	70	70	74	77	146	123	115
Crop expense-----	do.	1,531	1,637	1,788	1,684	1,693	1,839	1,959	1,845	1,798	2,075
Machinery purchased-----	do.	2,599	1,791	1,734	2,267	2,773	2,447	2,812	2,670	2,347	2,343
Other machinery expense-----	do.	2,496	2,281	2,384	2,560	2,595	2,702	2,746	2,904	2,846	2,983
Farm buildings and fences-----	do.	678	372	287	557	379	372	656	197	424	775
Labor hired-----	do.	1,407	1,351	1,322	1,281	1,268	1,195	1,142	1,054	941	830
Taxes-----	do.	823	829	931	943	950	1,017	1,194	1,288	1,397	1,498
Other-----	do.	71	68	72	81	80	82	81	90	96	99
Net cash farm income-----	do.	11,844	6,715	9,840	16,370	13,983	13,904	10,453	10,537	15,810	14,395
Value of perquisites-----	do.	713	725	749	758	766	800	775	767	753	744
Change in inventory:											
Crops and livestock-----	do.	337	204	339	288	-224	-100	-230	162	370	-19
Machinery and buildings-----	do.	391	-599	-739	115	533	74	615	-54	-59	265
Net farm income-----	do.	13,285	7,045	10,189	17,531	15,058	14,678	11,613	11,412	16,874	15,275

TABLE 75. --Wheat-fallow farms, Washington and Oregon: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,810	3,580	3,670	3,640	3,660	3,680	3,660	3,730	3,620	3,730
Operator and family-----	do.	2,770	2,620	2,780	2,820	2,850	2,920	2,940	3,080	3,040	3,220
Hired-----	do.	1,040	960	890	820	810	760	720	650	580	510
Total farm capital, Jan. 1-----	Dollar	116,890	120,490	123,410	122,910	127,730	138,700	141,880	143,680	148,760	159,460
Land and buildings-----	do.	97,590	100,400	103,240	101,970	105,460	115,430	118,530	119,020	123,200	132,990
Machinery and equipment-----	do.	15,430	15,820	16,060	16,360	16,800	17,050	17,540	19,050	19,620	19,850
Livestock-----	do.	2,650	2,850	2,670	2,660	3,680	4,670	4,290	4,290	4,560	5,120
Crops-----	do.	1,220	1,420	1,440	1,920	1,790	1,550	1,520	1,320	1,380	1,500
Gross farm income-----	do.	22,854	16,348	19,880	27,068	24,568	24,579	21,934	21,919	27,162	25,997
Operating expenses-----	do.	9,569	9,303	9,691	9,537	9,510	9,901	10,321	10,507	10,288	10,722
Net farm income-----	do.	13,285	7,045	10,189	17,531	15,058	14,678	11,613	11,412	16,874	15,275
Purchasing power in 1947-49 dollars-----	do.	11,968	6,347	9,097	15,113	12,761	12,439	9,759	9,590	13,945	12,520
Charge for capital at current interest rates-----	do.	4,858	4,994	5,126	6,342	7,223	7,145	8,738	8,839	8,396	8,999
Return per hour, operator and family labor-----	do.	3.04	.78	1.82	3.97	2.75	2.58	.98	.84	2.79	1.95
Charge for capital at 4.1 percent interest ^{1/} -----	do.	4,974	5,114	5,249	5,235	5,435	5,897	6,042	6,109	6,313	6,767
Return per hour, operator and family labor-----	do.	3.00	.74	1.78	4.36	3.38	3.01	1.89	1.72	3.47	2.64
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Gross farm income-----	---	90	64	78	106	97	97	86	86	107	102
Net farm income-----	---	84	45	65	111	96	92	74	72	107	97
Net farm production-----	---	80	63	76	99	99	102	88	84	97	97
Crop yields per acre-----	---	82	61	61	103	98	99	88	82	105	93
Production per hour of man labor-----	---	77	65	76	100	99	101	88	82	98	95
Production per unit of input-----	---	79	65	77	100	100	100	88	81	94	91
Operating expense per unit of production-----	---	123	150	129	100	99	101	120	129	110	114
Total cost per unit of production-----	---	116	143	125	98	100	102	120	130	113	119
Power and machinery (quantity)-----	---	105	102	98	98	101	101	105	106	105	103
Prices received for products sold-----	---	115	102	101	105	98	97	99	104	106	103
Prices paid, including wages to hired labor-----	---	92	94	96	99	99	102	105	106	106	106

^{1/} Invested capital at 4.1 percent and production credit at current short-term interest rates charged by production credit associations on loans outstanding.

^{2/} 1957-59 = 100.

TABLE 76. --Cattle ranches, Northern Plains livestock area: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in ranch-----	Acre	4,120	4,170	4,205	4,225	4,240	4,340	4,380	4,390	4,410	4,430
Cropland harvested-----	do.	284	293	251	282	259	253	255	236	250	262
Rangeland, pasture, and miscellaneous-----	do.	3,836	3,877	3,954	3,943	3,981	4,087	4,125	4,154	4,160	4,168
Crops harvested:											
Grains-----	do.	77.4	78.9	69.4	76.2	73.4	71.2	76.0	68.7	66.7	76.7
Tame hay-----	do.	77.3	89.5	84.7	79.9	81.7	82.2	73.0	76.2	69.2	72.0
Native hay-----	do.	110.0	111.3	85.2	110.5	92.5	90.5	95.3	82.0	106.6	95.9
Other crops-----	do.	19.3	13.5	11.5	15.0	11.5	9.0	11.0	9.1	7.0	17.2
Livestock on ranch, Jan. 1:											
All cattle-----	Number	142.1	142.0	139.8	132.6	135.1	137.2	140.1	141.2	129.5	142.4
Cows and heifers, 2 years old and over-----	do.	88.2	87.0	88.7	85.5	87.3	89.4	93.6	98.6	90.8	94.3
Chickens-----	do.	37	35	40	35	30	40	30	25	20	15
Horses-----	do.	4.4	4.2	4.0	3.8	3.7	3.6	3.7	3.5	3.9	4.1
Pigs raised-----	do.	9.9	10.5	9.2	10.5	11.0	12.2	11.4	10.8	11.9	11.5
Calf crop-----	Percent	79	81	77	82	84	85	85	86	86	87
Tractors on ranch-----	Number	1.21	1.21	1.21	1.21	1.24	1.24	1.26	1.21	1.21	1.21
Total cash receipts-----	Dollar	9,155	8,694	9,054	8,892	10,855	11,026	10,096	13,932	10,554	10,086
Cattle-----	do.	6,202	5,819	6,103	6,410	8,516	8,564	8,347	11,840	8,914	7,706
Crops-----	do.	2,215	2,233	2,330	1,843	1,553	1,689	1,100	1,412	871	1,648
Other livestock and livestock products-----	do.	602	477	443	419	546	493	389	320	409	432
Other, including Government payments-----	do.	136	165	178	220	240	280	260	360	360	300
Total cash expenditures-----	do.	5,583	5,946	5,338	5,770	6,319	6,723	6,049	5,979	6,382	7,432
Feed and grazing fees-----	do.	274	318	299	267	262	420	373	507	498	301
Livestock purchased-----	do.	352	324	286	451	508	827	617	534	1,015	1,665
Other livestock expense-----	do.	113	115	119	120	128	134	139	144	135	151
Crop expense-----	do.	25	52	31	22	37	63	48	32	49	65
Machinery purchased-----	do.	1,091	1,233	1,142	1,352	1,800	1,661	1,085	1,457	1,181	1,440
Other machinery expense-----	do.	1,378	1,437	1,338	1,512	1,493	1,467	1,541	1,285	1,410	1,457
Ranch buildings and fences-----	do.	226	316	290	270	430	370	370	590	450	530
Labor hired-----	do.	776	843	489	529	478	493	654	225	370	574
Taxes-----	do.	784	813	841	842	842	884	889	932	950	997
Other-----	do.	564	495	503	405	341	404	333	273	324	252
Net cash ranch income-----	do.	3,572	2,748	3,716	3,122	4,536	4,303	4,047	7,953	4,172	2,654
Value of perquisites-----	do.	981	954	939	961	1,104	1,097	1,047	1,073	1,091	998
Change in inventory:											
Crops and livestock-----	do.	-102	-520	-1,991	529	815	6	569	-2,600	2,454	3,983
Machinery and buildings-----	do.	-686	-352	-524	-449	-32	-244	-683	-149	-465	-200
Net ranch income-----	do.	3,765	2,830	2,140	4,163	6,423	5,162	4,980	6,277	7,252	7,385

TABLE 77. --Cattle ranches, Northern Plains livestock area: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,450	4,490	3,970	3,980	3,880	3,970	4,060	3,650	3,720	4,020
Operator and family-----	do.	3,340	3,270	3,280	3,240	3,210	3,220	3,190	3,360	3,250	3,300
Hired-----	do.	1,110	1,220	690	740	670	750	870	290	470	720
Total ranch capital, Jan. 1-----	Dollar	69,880	69,090	70,020	69,320	72,800	83,200	82,680	83,890	83,510	89,200
Land and buildings-----	do.	42,460	41,650	43,510	44,200	46,390	48,520	49,720	50,160	50,660	52,830
Machinery and equipment-----	do.	7,770	7,470	7,500	7,650	7,850	8,180	8,080	7,850	7,830	7,730
Livestock-----	do.	15,040	15,310	14,840	14,480	16,140	23,720	21,270	21,960	21,900	25,510
Crops-----	do.	4,610	4,660	4,170	2,990	2,420	2,780	3,610	3,920	3,120	3,190
Gross ranch income-----	do.	10,034	9,128	8,002	10,382	12,774	12,129	11,712	12,405	14,099	15,017
Operating expenses-----	do.	6,269	6,298	5,862	6,219	6,351	6,967	6,732	6,128	6,847	7,632
Net ranch income-----	do.	3,765	2,830	2,140	4,163	6,423	5,162	4,980	6,277	7,252	7,385
Purchasing power in 1947-49 dollars-----	do.	3,392	2,550	1,911	3,589	5,443	4,375	4,185	5,275	5,993	6,053
Charge for capital at current interest rates-----	do.	2,795	2,764	2,801	3,258	4,004	4,160	4,961	4,698	4,593	4,909
Return per hour, operator and family labor-----	do.	.29	.02	-.20	.28	.75	.31	.01	.47	.82	.75
Charge for capital at 4.1 percent interest-----	do.	2,865	2,833	2,871	2,842	2,985	3,411	3,390	3,439	3,424	3,660
Return per hour, operator and family labor-----	do.	.27	<u>1/</u>	-.22	.41	1.07	.54	.50	.84	1.18	1.13
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Gross ranch income-----	---	85	78	68	88	109	103	100	105	120	128
Net ranch income-----	---	72	54	41	79	123	98	95	120	138	141
Net ranch production-----	---	110	102	92	106	103	91	103	108	99	118
Ranch condition-----	---	97	96	92	101	103	96	93	86	99	103
Production per hour of man labor-----	---	98	90	91	105	105	90	100	117	105	116
Production per unit of input-----	---	104	98	94	107	103	90	100	107	98	111
Operating expense per unit of production-----	---	89	97	100	91	95	114	99	87	102	95
Total cost per unit of production-----	---	89	95	103	91	95	114	101	95	105	95
Power and machinery (quantity)-----	---	110	110	94	98	104	98	98	87	89	87
Prices received for products sold-----	---	78	75	75	84	108	108	95	98	116	101
Prices paid, including wages to hired labor-----	---	93	95	98	100	98	102	97	94	98	101

1/ Less than 1.
2/ 1957-59 = 100.

TABLE 78.--Cattle ranches, Intermountain region: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in ranch-----	Acre	1,690	1,695	1,710	1,715	1,725	1,730	1,735	1,745	1,755	1,760
Cropland harvested-----	do.	155	166	180	182	175	167	174	187	196	187
Rangeland, pasture, and miscellaneous-----	do.	1,535	1,529	1,530	1,533	1,550	1,563	1,561	1,558	1,559	1,573
Crops harvested:											
Grains-----	do.	25.0	13.6	14.0	15.8	14.4	15.0	16.2	16.4	17.2	17.9
Tame hay-----	do.	59.6	64.9	70.1	70.1	70.0	70.6	76.0	77.2	76.5	76.1
Native hay-----	do.	78.8	85.9	93.6	94.5	88.8	79.0	80.0	91.2	100.3	91.3
Other crops-----	do.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Livestock on ranch, Jan. 1:											
All cattle-----	Number	242.0	252.0	263.0	263.0	263.0	274.0	283.9	278.8	284.4	289.9
Cows and heifers, 2 years old and over-----	do.	117.0	121.5	126.1	126.1	126.0	128.5	137.9	138.8	145.2	149.5
Chickens-----	do.	40	40	40	40	40	40	35	30	25	25
Horses-----	do.	11.0	10.0	9.0	8.5	8.3	8.1	8.0	7.9	7.7	7.5
Pigs raised-----	do.	1.9	2.1	2.6	1.9	2.0	2.0	2.0	1.9	1.9	1.9
Calf crop-----	Percent	81	82	81	82	85	85	83	83	84	85
Tractors on ranch-----	Number	.74	.76	.78	.79	.81	.83	.85	.88	.90	.93
Total cash receipts-----	Dollar	8,917	9,022	10,388	13,328	16,585	16,870	16,226	15,542	17,285	16,147
Cattle-----	do.	8,664	8,804	10,156	13,093	16,361	16,658	16,023	15,319	17,100	15,971
Other livestock and livestock products-----	do.	121	109	100	103	104	87	77	47	41	30
Other, including Government payments-----	do.	132	109	132	132	120	125	126	176	144	146
Total cash expenditures-----	do.	5,901	5,888	5,260	5,679	5,978	6,904	7,878	7,044	7,322	7,618
Feed and grazing fees-----	do.	1,722	1,340	319	339	391	1,108	1,714	842	818	1,269
Livestock purchased-----	do.	307	281	296	410	531	451	440	477	507	429
Other livestock expense-----	do.	79	83	88	89	90	97	101	101	104	107
Crop expense-----	do.	70	95	72	95	86	81	103	93	114	127
Machinery purchased-----	do.	649	838	927	1,039	1,172	1,293	1,377	1,466	1,492	1,518
Other machinery expense-----	do.	1,139	1,126	1,204	1,280	1,273	1,295	1,346	1,366	1,386	1,379
Ranch buildings and fences-----	do.	200	185	195	205	220	225	225	230	235	240
Labor hired-----	do.	533	701	896	943	915	940	1,142	989	1,151	1,148
Taxes-----	do.	1,078	1,114	1,139	1,146	1,166	1,278	1,298	1,344	1,376	1,460
Other-----	do.	124	125	128	133	134	136	132	136	139	141
Net cash ranch income-----	do.	3,016	3,134	5,128	7,649	10,607	9,966	8,348	8,498	9,963	8,329
Value of perquisites-----	do.	695	678	689	733	800	800	798	817	834	841
Change in inventory:											
Crops and livestock-----	do.	1,013	830	-98	196	1,807	1,457	-581	470	910	764
Machinery and buildings-----	do.	-238	-19	-1	29	68	115	146	213	229	199
Net ranch income-----	do.	4,486	4,623	5,718	8,607	13,282	12,338	8,771	9,998	11,936	10,133

TABLE 79. --Cattle ranches, Intermountain region: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,690	4,860	5,030	5,030	4,990	5,000	5,190	5,020	5,140	5,120
Operator and family-----	do.	4,020	4,020	4,020	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Hired-----	do.	670	840	1,030	1,030	990	1,000	1,190	1,020	1,140	1,120
Total ranch capital, Jan. 1-----	Dollar	62,050	65,270	62,560	60,950	71,940	85,670	84,370	86,000	89,910	95,550
Land and buildings-----	do.	28,290	28,660	28,630	29,140	31,240	33,270	34,870	36,470	37,730	39,780
Machinery and equipment-----	do.	3,990	4,140	4,410	4,760	5,180	5,490	5,750	5,940	6,190	6,530
Livestock-----	do.	26,620	28,010	25,170	23,100	32,110	43,260	38,500	38,120	41,190	45,110
Crops-----	do.	3,150	4,460	4,350	3,950	3,410	3,650	5,250	5,470	4,800	4,130
Gross ranch income-----	do.	10,625	10,530	10,979	14,257	19,192	19,127	16,443	16,829	19,029	17,752
Operating expenses-----	do.	6,139	5,907	5,261	5,650	5,910	6,789	7,732	6,831	7,093	7,619
Net ranch income-----	do.	4,486	4,623	5,718	8,607	13,282	12,338	8,711	9,998	11,936	10,133
Purchasing power in 1947-49 dollars-----	do.	4,041	4,165	5,105	7,420	11,256	10,456	7,320	8,402	9,864	8,306
Charge for capital at current interest rates-----	do.	2,482	2,611	2,502	2,804	3,957	4,284	5,062	5,160	4,945	5,255
Return per hour, operator and family labor-----	do.	.50	.50	.80	1.45	2.33	2.01	.91	1.21	1.75	1.22
Charge for capital at 4.1 percent interest-----	do.	2,544	2,676	2,565	2,499	2,950	3,512	3,459	3,526	3,686	3,918
Return per hour, operator and family labor-----	do.	.48	.48	.78	1.53	2.58	2.21	1.31	1.62	2.06	1.55
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Gross ranch income-----	---	61	61	63	81	110	109	94	96	109	101
Net ranch income-----	---	40	41	51	76	116	108	76	88	105	89
Net ranch production-----	---	72	78	91	97	100	103	97	97	104	104
Range condition-----	---	93	94	97	102	103	95	94	94	101	101
Production x no. of man labor-----	---	77	81	90	96	101	103	94	96	102	102
Production per unit of input-----	---	77	82	93	98	101	101	93	94	100	99
Operating expense per unit of production-----	---	127	117	95	97	98	105	125	115	111	117
Total cost per unit of production-----	---	117	113	98	97	99	104	116	114	111	115
Power and machinery (quantity)-----	---	90	93	95	95	101	104	108	112	115	117
Prices received for products sold-----	---	75	72	70	85	111	104	93	98	104	93
Prices paid, including wages to hired labor-----	---	94	94	91	97	101	102	109	107	109	110

¹/ 1957-59 = 100.

TABLE 80.--Cattle ranches, Southwest: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in ranch-----	Acre	10,592	10,610	10,660	11,010	11,090	11,110	11,150	11,210	11,250	11,300
Cropland harvested-----	do.	17	21	18	20	19	16	19	10	9	11
Rangeland, pasture, and miscellaneous-----	do.	10,575	10,589	10,642	10,990	11,071	11,094	11,131	11,200	11,241	11,289
Livestock on ranch, Jan. 1:											
All cattle-----	Number	215.8	205.0	203.2	190.3	188.4	212.2	217.8	227.6	232.2	235.9
Cows and heifers, 2 years old and over-----	do.	146.5	136.9	140.5	135.3	133.5	145.5	150.2	140.4	150.7	153.7
Chickens-----	do.	23	24	27	22	20	25	20	25	15	10
Horses-----	do.	6.4	6.6	6.4	6.0	5.7	5.5	5.3	5.4	6.0	6.3
Figs raised-----	do.	1.3	3.0	1.1	1.1	1.9	2.4	3.6	4.0	1.3	.1
Calf crop-----	Percent	75	77	75	76	80	82	84	83	82	81
Tractors on ranch-----	Number	.46	.46	.46	.46	.47	.50	.50	.50	.49	.48
Total cash receipts-----	Dollar	9,891	10,025	8,294	11,386	12,599	15,608	15,680	15,245	16,296	12,525
Cattle-----	do.	9,564	9,335	7,953	10,971	12,133	15,105	14,660	14,776	15,796	11,893
Other livestock and livestock products-----	do.	107	191	91	145	166	203	168	149	130	342
Other, including Government payments-----	do.	220	499	250	270	300	300	852	320	370	290
Total cash expenditures-----	do.	8,052	7,523	7,205	6,775	8,373	8,952	9,227	9,689	10,976	10,410
Feed and grazing fees-----	do.	3,553	2,460	3,318	1,287	646	1,155	1,514	1,429	1,646	2,135
Livestock purchased-----	do.	413	975	713	1,584	2,796	2,187	2,267	2,059	2,544	2,125
Other livestock expense-----	do.	96	97	103	112	116	136	146	139	151	158
Crop expense-----	do.	8	10	10	13	10	11	16	13	7	10
Machinery purchased-----	do.	632	711	354	663	1,387	1,326	968	1,422	1,583	1,315
Other machinery expense-----	do.	1,166	1,082	926	1,270	1,273	1,367	1,486	1,334	1,346	1,374
Ranch buildings and fences-----	do.	510	530	125	162	450	680	540	1,000	1,300	900
Labor hired-----	do.	546	536	517	483	438	684	819	789	851	742
Taxes-----	do.	758	750	768	816	895	953	983	1,006	1,041	1,147
Other-----	do.	370	372	371	385	362	453	488	498	507	504
Net cash ranch income-----	do.	1,839	2,502	1,089	4,611	4,226	6,656	6,453	5,556	5,320	2,115
Value of perquisites-----	do.	910	883	919	1,067	1,134	1,011	1,051	1,120	1,057	895
Change in inventory:											
Crops and livestock-----	do.	-1,437	78	-1,698	-82	3,544	721	355	960	402	2,103
Machinery and buildings-----	do.	-567	-489	-1,079	-771	77	33	-279	531	872	159
Net ranch income-----	do.	745	2,965	-769	4,825	8,381	8,421	7,580	8,167	7,651	5,272

TABLE 81. --Cattle ranches, Southwest: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	3,680	3,590	3,540	3,370	3,370	3,610	3,710	3,590	3,690	3,750
Operator and family-----	do.	2,660	2,580	2,600	2,460	2,600	2,500	2,400	2,350	2,420	2,700
Hired-----	do.	1,020	1,010	940	910	770	1,110	1,310	1,240	1,270	1,050
Total ranch capital, Jan. 1-----	Dollar	134,740	128,700	129,660	127,910	139,870	157,340	161,590	160,700	164,700	179,190
Land and buildings-----	do.	108,630	103,890	104,380	105,090	112,560	118,840	124,870	125,790	126,640	139,390
Machinery and equipment-----	do.	3,820	3,660	3,600	3,510	3,620	4,220	4,400	4,490	4,830	5,330
Livestock-----	do.	20,640	19,730	20,160	18,250	22,480	33,120	30,980	28,700	31,510	32,860
Crops-----	do.	1,650	1,420	1,520	1,060	1,210	1,160	1,340	1,720	1,720	1,610
Gross ranch income-----	do.	9,364	10,986	7,515	22,371	17,277	17,340	17,086	17,325	17,755	15,523
Operating expenses-----	do.	8,619	8,021	8,284	7,546	8,296	8,919	9,506	9,158	10,104	10,251
Net ranch income-----	do.	745	2,965	-769	4,825	8,981	8,421	7,580	8,167	7,651	5,272
Purchasing power in 1947-49 dollars-----	do.	671	2,671	-687	4,159	7,611	7,136	6,370	6,863	6,323	4,321
Charge for capital at current interest rates-----	do.	5,390	5,148	5,186	6,012	7,693	7,867	9,695	8,999	9,058	9,855
Return per hour, operator and family labor-----	do.	-1.75	-.85	-2.29	-.48	.50	.21	-.88	-.35	-.58	-1.70
Charge for capital at 4.1 percent interest-----	do.	5,524	5,277	5,316	5,244	5,735	6,451	6,625	6,589	6,753	7,347
Return per hour, operator and family labor-----	do.	-1.80	-.90	-2.34	-.17	1.25	.79	.40	.67	.37	-.77
INDEX NUMBERS ¹											
Gross ranch income-----	---	60	70	48	79	110	111	109	111	113	99
Net ranch income-----	---	10	40	<u>2</u>	65	121	114	102	110	103	71
Net ranch production-----	---	74	82	61	87	100	113	122	117	110	102
Range condition-----	---	88	90	80	93	105	102	100	100	97	93
Production per hour of man labor-----	---	69	78	59	90	102	108	113	113	103	94
Production per unit of input-----	---	79	86	72	92	101	107	113	110	103	96
Operating expense per unit of production-----	---	131	112	138	101	100	99	96	98	109	119
Total cost per unit of production-----	---	126	109	133	101	99	100	95	98	106	120
Power and machinery (quantity)-----	---	103	100	92	88	103	109	106	116	123	124
Prices received for products sold-----	---	75	82	67	87	110	103	91	98	102	95
Prices paid, including wages to hired labor-----	---	103	96	100	93	101	106	105	106	107	112

¹/ 1957-59 = 100.²/ Net loss.

TABLE 82. --Sheep ranches, Northern Plains livestock area: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in ranch-----	Acre	6,232	6,240	6,189	6,272	6,298	6,340	6,638	6,674	6,638	6,700
Cropland harvested-----	do.	230	237	204	239	219	221	218	197	214	218
Rangeland, pasture, and miscellaneous-----	do.	6,002	6,003	5,985	6,033	6,079	6,119	6,420	6,477	6,424	6,482
Crops harvested:											
Grains-----	do.	78.6	78.7	73.9	79.5	75.6	75.7	74.7	66.4	66.5	72.5
Tame hay-----	do.	38.0	44.7	43.0	43.2	42.6	43.6	39.0	41.7	35.4	37.9
Native hay-----	do.	105.6	106.8	81.2	106.3	93.8	95.0	96.0	82.6	107.4	96.9
Other crops-----	do.	7.8	6.8	5.9	10.0	7.0	6.5	8.0	6.4	4.6	10.4
Livestock on ranch, Jan. 1:											
All sheep-----	Number	1,222	1,199	1,170	1,190	1,235	1,349	1,383	1,362	1,294	1,396
Breeding ewes-----	do.	948	931	968	1,025	1,043	1,112	1,178	1,196	1,137	1,193
All cattle-----	do.	20.9	20.3	17.4	18.0	21.0	23.5	24.5	26.5	25.1	27.6
Chickens-----	do.	32	32	33	30	35	40	30	25	20	18
Horses-----	do.	4.7	4.5	3.7	3.4	3.3	3.3	3.3	3.4	3.6	3.8
Figs raised-----	do.	3.7	8.7	7.7	7.0	8.0	8.6	7.1	5.0	4.9	5.9
Lamb crop-----	Percent	79	78	82	82	88	88	92	87	87	89
Tractors on ranch-----	Number	1.27	1.28	1.28	1.28	1.29	1.29	1.31	1.22	1.22	1.22
Total cash receipts-----											
Sheep-----	Dollar	15,758	17,111	16,665	20,052	21,995	21,197	23,270	20,411	22,154	25,718
Wool-----	do.	7,277	7,436	7,871	10,632	11,890	11,090	11,371	9,731	11,675	14,397
Wool payments-----	do.	6,286	4,791	4,657	6,410	4,447	5,042	6,215	5,378	5,850	6,844
Cattle-----	do.	844	939	751	647	796	2,486	3,352	2,732	2,013	2,206
Other livestock and livestock products-----	do.	267	339	393	406	442	386	280	212	229	317
Crops-----	do.	851	994	673	685	598	454	523	434	571	828
Other, including Government payments-----	do.	233	286	287	300	300	300	270	300	300	300
Total cash expenditures-----											
Feed and grazing fees-----	do.	10,968	11,778	12,056	10,946	13,034	13,778	14,583	13,739	15,615	14,949
Livestock purchased-----	do.	2,028	2,926	3,741	1,357	1,962	2,326	3,849	4,316	3,984	2,950
Other livestock expense-----	do.	894	694	563	864	1,316	920	774	583	1,966	1,436
Crop expense-----	do.	197	195	194	217	236	265	277	280	268	293
Machinery purchased-----	do.	13	14	12	12	12	18	20	16	15	29
Other machinery expense-----	do.	952	1,075	961	1,294	1,709	1,705	1,148	1,219	1,657	1,678
Ranch buildings and fences-----	do.	1,325	1,382	1,308	1,510	1,483	1,481	1,510	1,325	1,409	1,429
Labor hired-----	do.	430	480	440	506	590	470	420	869	970	1,180
Taxes-----	do.	3,006	2,973	2,789	3,038	3,345	3,914	4,205	2,913	3,039	3,499
Other-----	do.	1,120	1,155	1,159	1,196	1,231	1,257	1,240	1,228	1,237	1,262
Net cash ranch income-----	do.	1,003	884	889	952	1,150	1,422	1,140	990	1,070	1,193
Value of perquisites-----	do.	4,790	5,333	4,609	9,106	8,961	7,419	8,687	6,672	6,539	10,769
Change in inventory:											
Crops and livestock-----	do.	803	803	835	889	1,002	1,035	958	967	1,012	942
Machinery and buildings-----	do.	-483	-649	409	777	3,141	-145	-353	-1,110	2,316	496
Net ranch income-----	do.	-642	-451	-517	-308	53	-120	-585	4	537	754
Net ranch income-----	do.	4,468	5,036	5,336	10,464	13,157	8,189	8,707	6,533	10,404	12,961

TABLE 83. --Sheep ranches, Northern Plains livestock area: Labor, capital, costs and returns, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	8,160	8,060	7,680	7,910	8,050	8,680	8,820	7,190	7,020	7,480
Operator and family-----	do.	4,200	4,080	4,020	3,960	3,930	3,930	3,680	4,020	3,600	3,580
Hired-----	do.	3,960	3,980	3,660	3,950	4,120	4,750	4,940	3,170	3,420	3,900
Total ranch capital, Jan. 1-----	Dollar	83,090	81,410	80,880	83,750	93,820	99,720	100,650	97,100	95,350	100,850
Land and buildings-----	do.	54,240	53,120	54,350	56,460	59,200	61,020	64,110	65,020	66,020	67,200
Machinery and equipment-----	do.	7,200	6,810	6,700	6,810	6,990	7,210	7,070	6,670	6,660	6,730
Livestock-----	do.	19,690	19,590	18,150	18,630	26,260	30,010	27,990	23,970	21,520	25,480
Crops-----	do.	1,960	1,890	1,680	1,850	1,370	1,480	1,480	1,440	1,150	1,440
Gross ranch income-----	do.	16,078	17,265	17,909	21,718	26,138	22,087	23,875	20,268	25,482	27,156
Operating expenses-----	do.	11,610	12,229	12,573	11,254	12,981	13,898	15,168	13,735	15,078	14,195
Net ranch income-----	do.	4,468	5,036	5,336	10,464	13,157	8,189	8,707	6,533	10,404	12,961
Purchasing power in 1947-49 dollars-----	do.	4,025	4,537	4,764	9,021	11,150	6,940	7,317	5,490	8,598	10,624
Charge for capital at current interest rates-----	do.	3,324	3,256	3,235	3,936	5,160	4,986	6,039	5,438	5,244	5,547
Return per hour, operator and family labor-----	do.	.27	.44	.52	1.65	2.03	.82	.69	.27	1.43	2.07
Charge for capital at 4.1 percent interest-----	do.	3,407	3,338	3,316	3,434	3,847	4,089	4,127	3,981	3,909	4,135
Return per hour, operator and family labor-----	do.	.25	.42	.50	1.78	2.37	1.04	1.18	.63	1.80	2.47
INDEX NUMBERS ¹											
Gross ranch income-----	---	69	74	77	93	112	95	102	87	109	116
Net ranch income-----	---	42	47	50	99	124	77	82	62	98	122
Net ranch production-----	---	73	74	69	97	103	100	105	91	103	123
Range condition-----	---	97	96	92	101	103	96	93	86	99	103
Production per hour of man labor-----	---	73	76	74	101	104	95	98	104	121	136
Production per unit of input-----	---	77	79	77	101	102	97	98	93	102	119
Operating expense per unit of production-----	---	120	120	124	94	99	107	108	109	103	90
Total cost per unit of production-----	---	122	119	121	97	98	105	103	108	98	88
Power and machinery (quantity)-----	---	113	108	101	99	102	99	98	87	92	91
Prices received for products sold ^{2/} -----	---	99	91	96	100	107	93	94	84	96	94
Prices paid, including wages to hired labor-----	---	95	94	93	99	101	100	100	98	98	104

^{1/} 1957-59 = 100.^{2/} Including wool incentive payments.

TABLE 84.--Sheep ranches, Utah-Nevada: Organization, production, income and expenses, 1954-63¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in ranch-----	Acre	10,080	10,110	10,140	10,150	10,160	10,170	10,180	10,190	10,220	10,240
Cropland harvested, pasture and farmstead-----	do.	127	128	128	129	129	130	131	131	131	132
Grazing land owned-----	do.	5,363	5,412	5,452	5,491	5,531	5,560	5,589	5,619	5,649	5,698
Grazing land rented-----	do.	4,590	4,570	4,560	4,530	4,500	4,480	4,460	4,440	4,420	4,390
Livestock on ranch, Jan. 1:											
All stock sheep-----	Number	2,229	2,196	2,258	2,235	2,293	2,300	2,348	2,247	2,141	2,182
Breeding ewes-----	do.	1,935	1,919	1,928	1,985	1,940	1,937	1,991	1,932	1,833	1,857
Lambs-----	do.	223	207	260	178	283	293	285	245	241	257
Rams and wethers-----	do.	71	70	70	72	70	70	72	70	67	68
All cattle-----	do.	13.4	13.3	13.2	13.2	13.1	13.0	12.9	12.8	12.9	13.0
Horses-----	do.	6.5	6.4	6.3	6.2	6.1	6.0	6.0	5.9	5.8	5.8
Lamb crop-----	Pct.	87	86	88	86	90	88	88	88	90	88
Tractors on ranch-----	Number	.75	.75	.75	.78	.82	.86	.90	.95	1.00	1.00
Total cash receipts-----	Dollar	32,524	34,526	36,685	37,370	40,915	36,188	35,990	33,785	36,540	35,409
Sheep and lambs-----	do.	20,484	20,195	21,927	22,752	24,760	20,661	20,643	18,398	21,573	20,742
Wool-----	do.	11,104	8,875	9,541	11,572	8,133	9,583	9,054	9,385	10,259	10,108
Wool payments-----	do.	---	4,542	4,343	1,891	6,555	4,677	4,972	4,726	3,428	3,131
Other livestock and miscellaneous-----	do.	936	914	874	1,155	1,467	1,267	1,321	1,276	1,280	1,428
Total cash expenditures-----	do.	19,295	20,289	20,136	21,102	20,965	22,027	22,844	23,218	23,617	23,932
Feed and grazing fees-----	do.	4,246	4,519	4,057	3,888	3,844	4,298	4,681	4,755	4,381	4,404
Livestock expense-----	do.	1,520	1,624	1,611	1,990	1,652	1,592	1,136	1,230	1,679	1,426
Shearing-----	do.	964	970	1,019	1,072	1,099	1,136	1,217	1,199	1,151	1,182
Contract trucking-----	do.	813	853	890	965	994	1,047	1,115	1,079	1,087	1,155
Machinery purchased-----	do.	1,374	1,454	1,443	1,580	1,652	1,685	1,631	1,656	1,690	1,708
Machinery operating costs-----	do.	1,036	1,069	1,049	1,108	1,079	1,135	1,186	1,203	1,185	1,171
Ranch buildings and fences-----	do.	615	595	615	620	685	640	705	730	745	790
Labor hired-----	do.	7,076	7,397	7,474	7,681	7,672	7,939	8,415	8,428	8,673	8,944
Taxes-----	do.	1,066	1,179	1,367	1,507	1,657	1,862	2,018	2,240	2,269	2,384
Other-----	do.	585	629	611	691	631	693	740	698	757	768
Net cash ranch income-----	do.	13,229	14,237	16,549	16,268	19,950	14,161	13,146	10,567	12,923	11,477
Value of perquisites-----	do.	608	616	619	687	721	703	658	630	617	681
Change in inventory:											
Crops and livestock-----	do.	-676	1,070	277	955	-27	1,128	-2,040	-1,763	1,265	829
Machinery and buildings-----	do.	189	208	214	221	282	194	196	224	232	274
Net ranch farm income-----	do.	13,350	16,131	17,659	18,131	20,926	16,186	11,900	9,658	15,037	13,261

^{1/} Two-band, desert-operated units.

TABLE 85.--Sheep ranches, Utah-Nevada: Labor, capital, costs and returns, 1954-63¹

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	7,840	7,840	7,870	7,840	7,830	7,800	7,800	7,780	7,810	7,780
Operator and family-----	do.	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700
Hired-----	do.	4,140	4,140	4,170	4,140	4,130	4,100	4,100	4,080	4,110	4,080
Total ranch capital, Jan. 1-----	Dollars	143,120	144,470	141,590	145,300	158,750	168,850	159,220	149,740	146,710	157,410
Land and buildings-----	do.	92,970	91,910	89,980	91,190	91,670	95,500	96,290	97,800	100,430	101,840
Machinery and equipment-----	do.	5,130	5,310	5,360	5,800	6,080	6,370	6,460	6,490	6,600	6,690
Livestock-----	do.	43,580	45,740	44,780	46,330	59,410	65,560	54,700	43,920	38,140	47,000
Crops-----	do.	1,440	1,510	1,470	1,980	1,590	1,420	1,770	1,530	1,540	1,880
Gross ranch income-----	do.	32,456	36,212	37,581	39,012	41,609	38,019	34,608	32,652	38,422	36,919
Operating expenses-----	do.	19,106	20,081	19,922	20,881	20,683	21,833	22,648	22,994	23,385	23,658
Net ranch income-----	do.	13,350	16,131	17,659	18,131	20,926	16,186	11,960	9,658	15,037	13,261
Purchasing power in 1947-49 dollars-----	do.	12,027	14,532	15,767	15,630	17,734	13,717	10,050	8,116	12,427	10,870
Charge for capital at current interest rates-----	do.	5,725	5,779	5,664	6,538	8,731	8,442	9,553	8,984	8,069	8,658
Return per hour, operator and family labor-----	do.	2.06	2.80	3.24	3.13	3.30	2.09	.65	.18	1.88	1.24
Charge for capital at 4.1 percent interest-----	do.	5,868	5,923	5,805	5,957	6,509	6,923	6,528	6,139	6,015	6,454
Return per hour, operator and family labor-----	do.	2.02	2.75	3.20	3.29	3.90	2.50	1.47	.95	2.44	1.84
INDEX NUMBERS ²											
Gross ranch income-----	---	82	92	95	99	105	96	88	83	97	93
Net ranch income-----	---	72	88	96	98	114	88	65	52	82	72
Net ranch production-----	---	95	96	100	100	99	101	99	95	100	101
Range condition-----	---	86	82	103	96	106	98	87	84	95	96
Production per hour of man labor-----	---	95	96	100	100	99	101	100	95	100	101
Production per unit of input-----	---	96	97	101	100	100	100	98	94	100	101
Operating expense per unit of production-----	---	94	98	94	99	99	102	107	113	110	111
Total cost per unit of production-----	---	94	96	93	98	99	103	105	110	107	109
Power and machinery (quantity)-----	---	97	100	98	100	100	100	101	101	101	99
Prices received for products sold ^{3/} -----	---	96	95	94	99	106	95	86	84	98	93
Prices paid, including wages to hired labor-----	---	90	94	94	99	99	102	104	106	110	111

^{1/} Two-band, desert-operated units.^{2/} 1957-59 = 100.^{3/} Including wool incentive payments.

TABLE 86. --Sheep ranches, Southwest: Organization, production, income and expenses, 1954-63

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Land in ranch-----	Acre	12,784	12,805	12,836	13,340	13,350	13,405	13,445	13,460	13,510	13,520
Cropland harvested-----	do.	13	18	16	22	21	18	20	10	10	16
Rangeland, pasture, and miscellaneous-----	do.	12,771	12,787	12,820	13,318	13,329	13,387	13,425	13,450	13,500	13,506
Livestock on ranch, Jan. 1:											
All sheep-----	Number	1,105	1,249	1,228	1,208	1,225	1,333	1,405	1,496	1,309	1,256
Breeding ewes-----	do.	911	924	920	924	962	1,046	1,108	1,200	1,018	1,016
All cattle-----	do.	37.0	33.5	31.5	29.5	33.0	34.2	36.2	40.2	41.5	42.3
Goats-----	do.	85.8	80.5	80.0	78.5	95.0	98.5	100.3	105.8	107.2	107.7
Horses-----	do.	8.4	8.5	8.4	7.7	7.4	7.3	7.2	7.3	7.5	7.7
Chickens-----	do.	16	18	22	17	20	23	20	25	15	10
Lamb crop-----	Percent	72	73	66	70	78	81	78	81	77	77
Tractors on ranch-----	Number	.39	.40	.40	.40	.40	.41	.41	.41	.41	.41
Total cash receipts-----	Dollar	13,620	16,694	13,717	16,478	20,276	21,080	20,359	23,395	20,158	18,405
Sheep and lambs-----	do.	5,839	7,091	5,398	8,209	9,608	9,843	7,829	10,079	8,875	7,817
Wool-----	do.	5,215	4,735	4,472	5,568	4,155	5,338	6,065	6,393	5,713	5,577
Wool payments-----	do.	---	2,263	1,817	879	3,236	2,602	3,068	3,046	1,859	1,633
Other livestock and livestock products-----	do.	2,361	2,405	1,815	1,576	2,997	3,007	3,127	3,341	3,401	3,178
Other, including Government payments-----	do.	205	200	215	246	280	290	270	536	310	200
Total cash expenditures-----	do.	12,870	12,131	11,007	9,896	10,510	11,394	10,513	11,578	11,772	12,311
Feed and grazing fees-----	do.	4,780	2,783	4,817	2,050	1,291	1,606	1,936	1,862	1,888	2,902
Livestock purchased-----	do.	2,485	3,277	1,210	1,566	2,617	2,285	1,722	1,674	1,785	1,542
Other livestock expense-----	do.	177	206	210	243	255	295	322	459	417	454
Crop expense-----	do.	8	10	10	15	11	12	19	9	8	11
Machinery purchased-----	do.	660	749	408	860	1,133	965	490	1,072	1,244	1,003
Other machinery expense-----	do.	1,241	1,202	1,024	1,227	1,302	1,326	1,270	1,389	1,387	1,419
Ranch buildings and fences-----	do.	608	665	230	521	300	720	300	330	450	380
Labor hired-----	do.	1,316	1,568	1,451	1,622	1,759	2,249	2,458	2,701	2,552	2,503
Taxes-----	do.	951	973	976	1,066	1,095	1,120	1,124	1,163	1,209	1,287
Other-----	do.	644	698	671	726	747	816	872	919	832	810
Net cash ranch income-----	do.	750	4,563	2,710	6,582	9,766	9,686	9,846	11,817	8,386	6,094
Value of perquisites-----	do.	815	882	823	802	952	962	959	941	885	830
Change in inventory:											
Crops and livestock-----	do.	1,355	-47	-884	437	1,998	1,063	1,760	-2,502	-523	169
Machinery and buildings-----	do.	-1,694	-1,479	-2,096	-1,361	-1,339	-1,054	-1,806	-1,185	-893	-1,165
Net ranch income-----	do.	1,226	3,919	553	6,460	11,377	10,657	10,759	9,091	7,855	5,928

1/ Includes wool payments.

TABLE 87. --Sheep ranches, Southwest: Labor, capital, costs and returns, 1954-83

Item	Unit	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total labor used-----	Hour	4,890	5,330	5,020	5,190	5,300	5,600	5,890	6,100	5,540	5,410
Operator and family-----	do.	2,770	2,680	2,690	2,600	2,700	2,600	2,580	2,550	2,620	2,700
Hired-----	do.	2,120	2,650	2,340	2,590	2,600	3,000	3,310	3,550	2,920	2,710
Total ranch capital, Jan. 1-----	Dollar	180,500	176,050	175,580	176,240	191,890	206,970	208,530	205,270	209,430	219,400
Land and buildings-----	do.	157,930	150,850	151,290	152,770	164,260	172,890	174,480	174,910	181,330	192,410
Machinery and equipment-----	do.	4,680	4,460	4,490	4,560	4,660	4,940	4,870	4,460	4,630	4,940
Livestock-----	do.	16,620	19,530	18,350	17,790	22,170	28,320	28,340	24,380	22,660	21,430
Crops-----	do.	1,270	1,210	1,490	1,120	800	820	840	1,520	810	620
Gross ranch income-----	do.	15,790	17,529	13,656	17,717	23,226	23,105	23,078	21,834	20,520	19,404
Operating expenses-----	do.	14,564	13,610	13,103	11,257	11,849	12,448	12,319	12,743	12,665	13,476
Net ranch income-----	do.	1,226	3,919	553	6,460	11,377	10,657	10,759	9,091	7,855	5,928
Purchasing power in 1947-49 dollars-----	do.	1,105	3,531	494	5,569	9,642	9,031	9,041	7,639	6,492	4,859
Charge for capital at current interest rates-----	do.	7,220	7,042	7,023	8,283	10,554	10,348	12,512	11,495	11,519	12,067
Return per hour, operator and family labor-----	do.	-2.16	-1.17	-2.41	-.70	.30	.12	-.68	-.94	-1.40	-2.27
Charge for capital at 4.1 percent interest-----	do.	7,400	7,218	7,199	7,226	7,867	8,486	8,550	8,416	8,587	8,995
Return per hour, operator and family labor-----	do.	-2.23	-1.23	-2.47	-.29	1.30	.84	.86	.26	-.28	-1.14
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Gross ranch income-----	---	74	82	64	83	109	108	108	102	96	91
Net ranch income-----	---	13	41	6	68	120	112	113	96	83	62
Net ranch production-----	---	62	77	53	79	105	116	123	116	103	97
Range condition-----	---	88	90	80	93	105	102	100	100	97	93
Production per hour of man labor-----	---	68	78	57	82	107	111	110	102	100	96
Production per unit of input-----	---	76	83	69	84	105	111	115	109	102	98
Operating expense per unit of production-----	---	140	126	150	113	95	92	88	95	102	115
Total cost per unit of production-----	---	126	115	139	111	95	94	89	95	104	117
Power and machinery (quantity)-----	---	106	104	94	99	101	100	90	93	97	95
Prices received for products sold-----	---	76	90	86	99	105	96	92	90	92	91
Prices paid, including wages to hired labor-----	---	93	103	98	96	101	103	101	104	105	115

1/ 1957-59 = 100.

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