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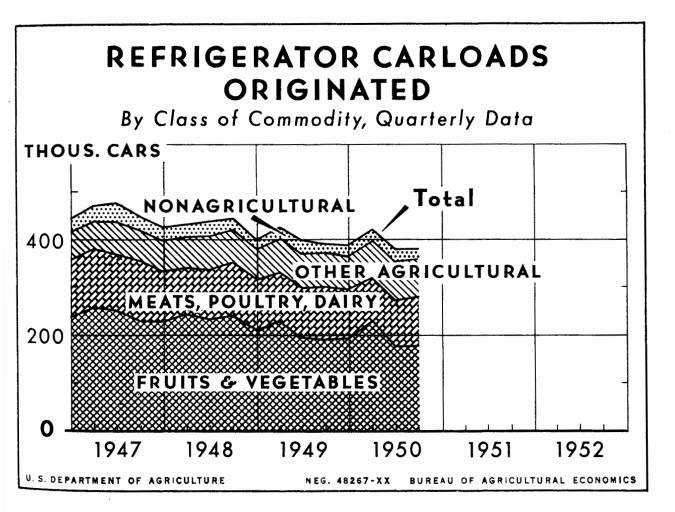
THE aug. 31, P. [AUG. 31, P. SITUATION

BUREAU OF AGRICULTURAL ECONOMICS
UNITED STATES DEPARTMENT OF AGRICULTURE

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The total number of carloads originated in refrigerator cars has been declining moderately in recent years, probably reflecting, in part, the effects of diversion of perishable traffic to trucks. Heavier average loadings per car also

is a factor. The demand for refrigerator cars comes almost entirely from shippers of agricultural products, with roughly half of the carloads consisting of fruits and vegetables. Table 1.- THE MARKET BASKET: Retail cost of 1935-39 average annual purchases of farm food products by a family of three average consumers, farm value of equivalent quantities sold by producers adjusted for value of byproducts, marketing margin, and farmer's share of the consumer's food dollar, 1913-51

^{1/} Calculated from retail prices collected by the Bureau of Labor Statistics and the Bureau of Agricultural Economics.

^{2/} Payments to farmers for equivalent quantities of farm produce minus imputed value of byproducts obtained in processing.

^{3/} Marketing charges equal margin minus processor taxes plus Government payments to marketing agencies.

^{4/} Farmer's share of consumer's food dollar calculated from farm value before addition of producer payments.

5/ Revised.

THE MARKETING AND TRANSPORTATION SITUATION

Approved by the Outlook and Situation Board August 23, 1951

		
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RECENT FARM-RETAIL PRICE SPREADS 1/

The farmer's share of the dollar that consumers spent for farm foods averaged about 49 cents in June and July, the lowest figure recorded for any month this year. 2/ Total charges for marketing the farm foods in the "market basket" reached a new high in June, with a further increase estimated for July. 3/ The retail cost of these foods was relatively unchanged from May to June, but preliminary estimates for July indicate a rise of about 0.5 percent. Prices received by farmers for food products in July were almost 5 percent below the record reached in February this year while the retail cost has remained at substantially the same level. Thus, practically all of the decrease in farm prices has been absorbed by increases in marketing charges.

^{1/} Based on latest available retail-price data.

^{2/} Estimates of the division of the retail price between farmers and marketing agencies are based on comparisons of concurrent prices at the farm and retail levels, except for seasonal canning crops, dried fruits, sugar, and vegetable-oil products. During a period of rising prices, the farmer's share calculated on this basis is somewhat higher than the share which would be obtained by comparing prices received by farmers for particular lots of products with prices paid by consumers for the same lots after they have moved through the marketing system. The reverse is true in periods of declining prices.

^{3/} The "market basket" contains quantities of farm food products equal to the 1935-39 average annual purchases per family of three average consumers. Full details are presented in Agricultural Information Bulletin No. 4, "Price Spreads Between Farmers and Consumers."

Preliminary Estimates for July

Retail cost of the farm foods in the maket basket increased from an annual rate of \$724 in mid-June to \$728 in mid-July, a new record. 4/Retail prices were higher for fluid milk, chickens, agas, oranges, and some of the fresh vegetables.

At an annual rate of \$355, the farm value of the market-basket foods in July was unchanged from June. Increases in the farm value of dairy products, poultry and eggs, and fruits and vegetables were offset by decreases in the meat-products and bakery-and-other-cereal-products groups.

Total marketing charges for these farm products rose from mid-June to mid-July for the third consecutive month. Increases were noted in all commodity groups except dairy products and the miscellaneous-products group.

New High Recorded for Marketing Charges in June

Charges for marketing the farm foods in the market basket equaled an annual rate of \$369 in June, an increase of about 1 percent over the record established in the preceding month. An increase of 3 percent in marketing charges for fruits and vegetables accounted for practically all the gain in total charges from May to June. Only minor changes were recorded in charges for marketing the other commodity groups.

Marketing charges in June were 5 percent higher than in the same month of 1950. Charges were higher for all commodity groups except meat products which were 5 percent below a year ago. The largest increases in marketing charges were in the following groups: Fruits and vegetables, bakery and other cereal products, and dairy products.

A/Retail cost of the family "market basket" of farm foods products is substantially lower than total retail costs per family of current consumption of all foods. The retail cost of the market basket does not include imported foods, fishery products, or other foods of nonfarm origin; it does not include the value of food consumed in households on farms where produced; it measures the cost at current prices of 1935-39 average prewar purchases and does not allow for the currently higher level of per capita food consumption, which is 10 to 15 percent above the level for 1935-39; and does not include additional mark-ups for preparation and service of meals purchase in eating places. Allowance for these additional categories indicates that total retail cost of all foods currently consumed is roughly 50 percent higher than the retail cost of the market basket.

Farm Value of Food Products Continued to Decline in June

Farm value of food products in the market basket decreased from an annual rate of \$358 in May to \$355 in June, which marked the fourth consecutive monthly decline. The June figure was almost 5 percent below the record high of \$371 established in February 1951 and January 1948. The farm value of food products in June 1951, however, was 17 percent above a year ago, with higher values in all commodity groups except fruits and vegetables.

The decline from mid-May to mid-June was caused mainly by a decrease of 6 percent in the farm value of the fruits-and-vegetables group. Farm prices of citrus fruits and some of the truck crops in June were substantially below May levels. Small declines were also noted in the poultry-and-aggs and bakery-and-other-cereal-products groups, while the farm value of mest products increased slightly from May to June.

Rotail Cost Unchanged from May to June

At an annual rate of \$724, the retail cost of the market basket of form foods in June was approximately equal to the May level and only slightly below the record of \$726 established in February 1951. Except for some fresh vegetables, there were no significant changes in retail prices of individual commodities from May to June.

Retail cost in June 1951 was 11 percent greater than in June a year ago, with higher costs in all commodity groups. Increases ranged from 3 percent for fruits and vegetables to 22 percent for the poultry-and-aggs group.

Farmer's Share of Consumer's Food Doller 49 Cents in June

Farmers received 49 cents of the dollar that consumers spent for farm foods in June, compared with the 51 cents received in February, March, and April of this year and 46 cents in June 1950.

In June 1951, farmers received 31 cents of the consumer's food dollar spent for fruits and vegetables, 3 cents below a year earlier. The farmer's share in June this year was higher than in June 1950 for all other commodity groups, with the largest increases in poultry and eggs and meat products.

TRANSPORTATION SITUATION

Increase in Freight Rates

The Interstate Commerce Commission granted permission August 2 to the railroads to increase rates generally 6 to 9 percent for a period of 18 months. These increases include the 2 and 4 percent increases granted by the Commission last March, and are based on further consideration of the record (Ex Parte 175). A 9-percent increase was granted on movements within the highly industrialized northeastern section of the country (Official or Eastern territory) and 6 percent on movements elsewhere.

There were several exceptions of interest to agriculture, including "hold-downs" in which the maximum increases are limited to a specified number of cents per 100 pounds when the application of the percentage increase would exceed that amount. The maximum increase for fruits, vegetables, melons, and canned food products (not frozen) is 6 cents per 100 pounds. It is 4 cents on sugar. The increases in grain and grain products were made uniform at 6 percent in all areas.

"Hold-downs" have been made in most recent rate actions for such commodities as fruits and vegetables, sugar, and coal. These exceptions were made primarily to lessen the increase in freight-rate differentials, and thereby tend to maintain the existing competitive relationships among areas. The hold-down on canned goods (not frozen) is somewhat unusual, as it was applied only in the first major postwar case (Ex Parte 162).

Switching charges are to be increased 9 percent in the East and 6 percent elsewhere. Protective services and most other service charges are to remain unchanged.

Railroad Class Rates Ordered to be Made Uniform

A new landmark in transportation regulation was reached on July 26 when the Interstate Commerce Commission issued decisions in two cases relating to commodity classifications and class rates. 1/ The issues have been fought bitterly both before the Commission and in the Federal courts for many years by agricultural as well as by manufacturing and other groups.

These two cases involve commodities moving on interstate class rates, which represent about 3 percent of the total carload traffic and not over 5 percent of the less-than-carload traffic, on a revenue basis. The great bulk of freight moves on "commodity rates" which apply specifically to individual commodities. In addition to commodity rates, there are innumerable "exception rates or ratings" in which specific exceptions are made to class rates.

^{1/} I. C. C. Docket No. 28300, "Class Rate Investigation, 1939," and Docket No. 28310, "Consolidated Freight Classifications," both cases decided July 26, 1951. The complexity of the issues is indicated somewhat by the fact that there have been two earlier reports in both cases and that the recent supplemental report on the rate investigation contains 146 pages of text plus 33 pages of appendices.

In the Consolidated Freight Classifications case, the Commission ordered the railroads of the country to file within the next 4 months a new classification of commodities that would be applied uniformly throughout the country. In the componion case, known as "Class Rate Investigation," the Commission presented a scale of rates which would be reasonable 2/ for use in conjunction with the uniform commodity classification for shipments east of the Rocky Mountains. Rates in the Mountain-Pacific area and on transcontinental traffic were not under consideration in this proceeding, but are currently under investigation and probably will be integrated into the new pattern later. The two reports represent important steps in the long litigation, but are not the end of the action. In fact, a press release issued by the Secretary of the Commission states: "The expectation is that the classification and scale shall go into effect simultaneously, but they will be subject to possible suspension for investigation of portions thereof."

The Commission's decisions in the two cases do not directly affect either commodity or exception rates. There appears to be a strong tendency for the number of exceptions to increase when the general level of rates rises, in part because of the resistance to a change in the freight-rate differentials where market competition is keen. The growth of motor carrier competition and several other factors also have been cited as reasons for exceptions.

Railroad Car Supply in Relation to Demand

The boxcar supply situation improved considerably between last April and mid-July, but again became serious at the beginning of August when the average daily shortage was nearly 7,500. The recent floods and delayed harvest of grains intensified the shortage which will become more serious this fall during the season of heavy grain movement.

The refrigerator-car supply situation also has improved since March, when the carriers reported a shortage of more than 2,000 cars daily. That was the most severe shortage reported at any time in the period for which comparable reports are available, as shown by the dark area on figure 1. The daily average surplus reached a peak this year of nearly 6,800 cars at the end of april, but by the first week of August had dwindled to a narrow margin of about 800 cars daily. The geographic location of the cars at present apparently is exceptionally good, as this is one of the few instances in which shortages have not appeared when the surplus was as low as 1,000 cars daily. In fact, although shortages normally appear when the surplus is considerably above current levels, there is no necessarily fixed relationship between the two. It is largely a matter of strategically moving empty cars to the points of origin, when needed. A poorly located supply of cars could easily result in both a large surplus and shortage at the same time.

^{2/} Technically, the Commission found the scale of rates to be "just and reasonable," but did not order the railroads to adopt them at this time.

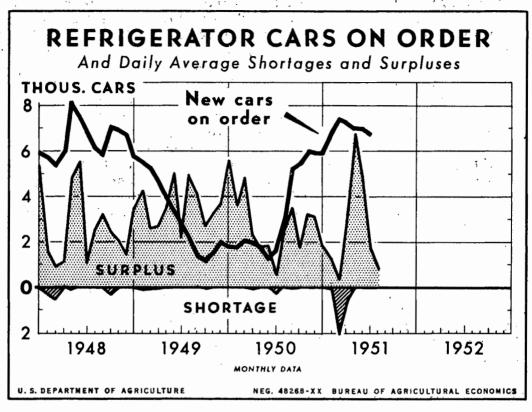


Figure 1

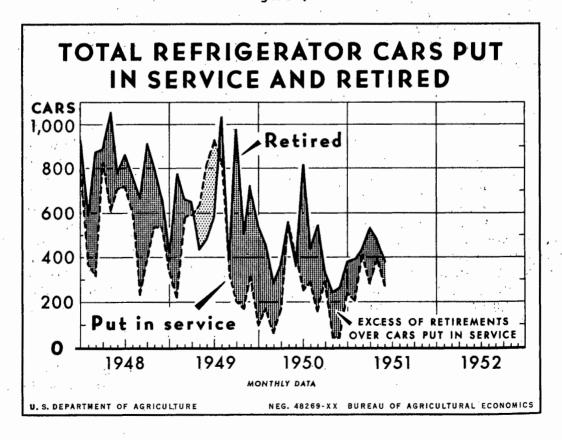


FIGURE 2

The backlog of new refrigerator cars on order by railroads and private car lines rose sharply after the middle of 1950 and is currently about 6,700 (fig. 1). Car production in recent years has not kept pace with retirements, so that the total number of cars in service has declined almost every month. The dark area in figure 2 shows the extent to which retirements exceed new cars put in service (technically called "installed"). Installations exceeded retirements (light area) only during 4 months in the 3 years and 6 months shown on the chart.

Nature of Demand for Refrigerator Cars

Virtually all of the demand for refrigerator cars comes from shippers of agricultural products, including not only fruits, vegetables, and meats, but also such manufactured items as canned goods. In fact, only slightly more than 5 percent of all carloads originated in refrigerator cars during the last 3 years were not agricultural products. Roughly, half of the total carloads were fruits and vegetables, about one-quarter were meats, poultry, and dairy products, and slightly less than one-fifth were manufactured agricultural products selected from the general class called "manufactures and miscellaneous" in the Interstate Commerce Commission's data. 3/ As shown by the cover chart, the total number of carloads originated in refrigerator cars has been decreasing gradually for years, reflecting the inroads of truck competition for perishable shipments. More details are shown in table 2. All commodities, except lettuce and cured meats, showed declines between 1947 and 1950, most of which were substantial.

Table 2.- Estimated number of carloads of selected commodities originated in refrigerator cars, 1947 and 1950

Commodity	1947	1950 ·	/ Change
· · · · · · · · · · · · · · · · · · ·	1,000	1,000	1,000
· • • • • • • • • • • • • • • • • • • •	carloads	<u>carloads</u>	carloads
Apples:	47	. 34	- 13
Bananas:	101	93 .	- 8
Citrus fruits:	147	79	- 68
Lettuce:	78	78	~~ -
Potatoes:	264	221	- 43
Other fruits and vegetables 1/:	349	275	- 74
Fresh meats:	300	258	- 42
Cured meats:	70	79	9
Other "snimal products":	110	58	- 52
Manufactures, agricultural products:	248	302	54
Nonagricultural products:		38	- 41
Total		1,565	- 278

1/ Including miscellaneous crops.

Derived from statistics of carloadings and type of car used, reported by the Interstate Commerce Commission.

^{3/} These estimates are based on the Interstate Commerce Commission's reports showing the total number of carloads of each commodity originated each year coupled with the Commission's waybill sample showing the proportion of each type of car used for each product.

Diversion from Rail to Truck

Specific measurements of diversion of selected fruits and vegetables at 10 large markets confirm the general conclusion mentioned concerning one of the causes for the downward trend of refrigerator carloadings. 4/ The diversion of potatoes was the largest in actual volume for any of the fruits and vegetables. As shown in table 3, the railroads would have had almost 5,000 more carloads of potatoes than in 1950 if there had been no diversion since 1948. No diversion was reported for lettuce, but the geographic factors are unique for that crop. By 1948, trucks were used almost exclusively for short hauls. The only remaining possibility for large-scale diversion to the 10 markets was from California and Arizona to St. Louis and points east. Such long houls have not yet become attractive to trucks, except under exceptional circumstances.

Table 3.- Diversion from rail to truck of selected fresh fruits and vegetables from leading sources of supply to 10 large markets between 1948 and 1950

between 1948 and 1950											
(t	19)50 unload	S		ted from rai. O compared w						
Commaditor	:	:		: :	Percentage	: Percentage					
Commodity	Rail :	Truck 2/	Total	:Unloads :	diverted of	: diverted of					
:	1.17.1.1	Truck 2	10001	diverted:	1950 rail	: 1950 truck					
	:	:		<u> </u>	<u>unloads</u>	Percent					
:	1,000	1,000	1,000	1,000							
:	unloads	unloads	unloads	unloads	Percent						
Oranges:	26.3	10.7	37.0	2.3	9	21					
Grapefruit:	7.8	5.0	12.8	1.4	18	28					
Apples:	8.4	3.6.3	24.7	•9	11	5					
:											
Potatces:	46.3	33.4	79.7	4.9	11	15					
:						,					
Lettuce:	24.0	13.6	37.6	0	0	0					
Tomatoes:	12.8	16.2	29.0	1.3	10	8					
:											
Cabbage:	3.7	13.7	17.4	1.2	32	9					
Celery:		11.2	20.8	6	6						
Total:	138.9	120.1	259.0	12.6	9	10					

^{1/} Diversion is measured by the differences between the actual unloads by rail in 1950 and the unloads that would have moved by railroad if that cerrier had precisely the same relative share of the volume from each origin to each destination as it did in 1948.

Derived from unload reports issued by Market News Service, Fruit and Vegetable Branch, Production and Marketing Administration.

^{2/} Truck estimates are based on incomplete reports. The degree of incompleteness is believed about the same for both years so that estimates of diversion are reasonably accurate.

^{4/} For full description of method, see Church, Donald E., "Diversion of Florida Orange Traffic from Rail to Truck," June 1950, The Marketing and Transportation Situation.

MARKETING POTENTIAL FOR OLLSEED PROTEIN MATERIALS IN INDUSTRIAL USES 1/

Shelby A. Robert, Jr., and Philip B. Dwoskin Agricultural Economists

Four principal oilseed crops make large contributions to farmers' incomes. They are cottonseed, soyheans, peanuts, and flaxseed. In 1949 they contributed considerably more than a billion dollars to gross farm incomes. The extracted oil was the largest source of income from these crops, but the meal, a residual from the oil extraction process, is an increasingly valuable source of protein materials for feed, food, and industrial uses.

The dry protein content of oilseed meals reached almost 7 billion pounds during 1949. About 98 percent was utilized for feed and fertilizer. The remainder was almost evenly divided between food and industrial uses. Although industry used a small part of the total supply, the 58 million pounds utilized provided a higher return per unit to the supplier than the portion used for feed. There are indications that continuing research by industrial and governmental laboratories could result in increasing industrial utilization of oilseed proteins five times the 1949 volume within the next few years.

The proportion of protein materials used by industry in many specific items has been decreasing, but total utilization of protein has increased because of the growth of the industry. The relative decline in industrial use of protein is due chiefly to the use of statches and synthetics in adhesives. The general feeling among those interviewed during this study indicates that the large store of basic information available regarding the competing starches and synthetics has placed these commodities in a better competitive position than protein materials. Recearch on the basic characteristics of starches and in the application of synthetics to specific uses has far outdistanced the study of the physical and chemical characteristics of the protein molecules.

Objectives and Methodology. This study was designed to ascertain the present status of oilseed protein meals in industrial uses and to measure the potential use that might reasonably be expected within the next few years.

A field survey was made to obtain opinions of representatives of selected industrial organizations that supply or use bilseed protein materials or competing products. A total of 222 interviews with representatives of 195 companies were completed. Most of the information was obtained in

^{1/} This is a report of research conducted with contract funds authorized by the Research and Marketing Act of 1946. The contract to perform the study was awarded to Arthur D. Little, Inc., a private research firm. The Bureau of Agricultural Economics and the Bureau of Agricultural and Industrial Chemistry cooperated in planning the study. A complete report of the results is given in Technical Bulletin 1043, by Shelby A. Robert, Jr., and Philip B. Dwoskin, which is now being published by the Department of Agriculture.

personal interviews. The remainder of the interviews were made by telephone, usually after letters had been sent. Less than a dozen interviews were based on correspondence. The personal interviews were mainly in large industrial areas scattered from Maine to Washington and from California to Georgia. Interviewing on this study took place from September 1949 to July 1950.

Market Potential For Oilseed Proteins

Nearly all of the nonfood industrial uses for oilseed proteins have been achieved at the expense of casein, yet their total use is still no more than that of casein. Further inroads on casein markets are expected by research men as improvements in protein taken from oilseed meals continue, unless costs of casein become more favorable than those of oilseed proteins. This is a possibility for the immediate future but is generally considered improbable for the long term.

Protein products derived from soybeans are by far the leading source of oilseed proteins used in industry. 2/ Other oilseed meals, such as cotton-seed and peanut, account for a relatively minor share. Small quantities of other vegetable proteins, principally zein, a protein derived from corn gluten, are used industrially. The following tabulation shows the quantities of oilseed- and vegetable-protein products used industrially in 1949.

	Dry protein
Industrial food uses	64 Mil. 1b.
Industrial monfood uses	58 Mil. lb.
Soybean isolates	27.0
Soybean meal	, 20.5
Zein	5.0
All other	5.5
Total industrial use	122 Mil. lb.

Textiles

Tibers made of regenerated or modified oilseed proteins represent one of the four principal opportunities for oilseed proteins in the textile industry. It is expected also that the use of oilseed proteins for warp sizing, textile finishing, and tire cords may expand.

Regenerated Protein Fibers 3/.- Utilization of regenerated protein fibers constitutes one of the most promising possibilities for increased industrial use of oilseed proteins. The potentialities of the development of these fibers generally provide the best justification for fundamental research on proteins.

^{2/} The contract specifically excluded from this study industrial food, feed, and fertilizer uses of protein materials. This was done to provide a survey of industrial nonfood uses of protein materials as intensive as possible with the funds available.

^{3/} The term "regenerated protein fibers" as used here means protein fibers which have been menufactured by dissolving protein in a solvent, extruding them through a die, and subsequently coagulating them to form a filament. The term "regenerated" is intended to distinguish them from "natural" protein fibers such as wool or silk.

Regenerated protein fibers appear to have characteristics — notably the combination of warmth and resilience — which, when more fully developed, will permit them to compete in substantial parts of the market against any synthetic now known to be in production or under active development. Their disadvantages — notably poor wet strength — are being overcome steadily by research. It appears that further improvement can be made, especially if knowledge of protein molecular structures is broadened.

Two types of regenerated protein fibers, Vicara (a staple fiber from zein) and Caslen (a monofilament from casein) are in production in the United States. Fibers based on peanut protein have been developed by the largest British rayon company and are being commercially produced by the largest British chemical company. Hence, although world production in 1951 will probably not be much more than about 5 million pounds (using an equivalent quantity of pure protein), opinions of respondents interviewed in this study indicate that the 1955 production could become 10 times as large, with further growth beyond that. The size of the potential market will depend not only on the ability of the fibers to compete in price with existing and prospective synthetic fibers, but also on improved knowledge by the textile industry on how to utilize these new fibers to the fullest advantage. As mentioned previously, more research of a relatively basic nature will be required if regenerated protein fibers are to compete more effectively with the newer synthetic fibers now on the market or soon to appear.

Regenerated protein fibers may supplement or replace in part some natural fibers now in use. Even part of the manufacturing area held by nylon and some other synthetics is a current objective of at least one large company now manufacturing regenerated fibers. This company is basing its expectations on the exceptional resilience which these fibers possess but which most synthetics lack. These regenerated protein fibers might prove to be a valuable substitute for imported fibers which might be cut off by interruptions to shipping.

It is much too early to estimate the potential market for regenerated protein fibers or the newer synthetic fibers in staple form, either in replacing natural protein fibers or in noncompetitive uses. The growth of our population is expanding the total market for fibers. Moreover, the lower cost and the "tailor-made" possibilities of these regenerated fibers suggest their potential use for many purposes for which natural protein fibers are now too expensive or are not well suited, just as rayon and nylon have developed many markets not previously held by silk. It cannot be predicted now to what extent oilseed proteins may continue their present dominance in this field. Other proteins that are now cheap -- from fish-processing plants, meat and poultry packers, wool processors, and shoddy mills -- are available.

Warp Sizing. Warp sizing offers another opportunity for oilseed proteins. It is used in sizing rayon threads before they are woven. This is done to toughen the fibers during weaving; the sizing is removed later. The potential market is estimated at about 12 million pounds per year. Its achievement by oilseed proteins would probably require more basic development than has yet occurred. The increase in the use of synthetics for warp sizing would probably be reversed if prices for proteins should drop substantially. Modernization of warp sizing mills may aid the position of oilseed proteins in this industry.

Textile Finishing. Textile finishing is divided into hundreds of specialized applications. Oilseed proteins may eventually be adapted for use in some of these, probably in small specialties; but such adaptation seems worth trying only by specialty companies that serve or operate in the textile-finishing industry. The consensus seems to be that the potential market for oilseed proteins for this purpose is relatively small. In general, synthetic resin compositions are being used, or considered, for those applications for which proteins might be best suited.

Cloth from which window shades are made has represented the principal textile-finishing use for proteins; its outlook seems too poor to warrant any considerable direct effort toward this use on behalf of oilseed proteins. A larger quantity (1 million pounds of casein and oilseed proteins per year) is being used as an undersize for resin coatings, but casein is used principally. Oilseed proteins have apparently obtained only limited acceptance for this purpose; synthetics are actively and increasingly competing.

Paper Coating

Oilseed proteins have been used in the paper industry in various quantities for pigment coating, wallpaper coating, insulating-board coating and plying, in adhesives for plying paper and board, and for paper sizing. They have been tried with variable success as adhesive coatings and as clear coatings or overcoatings for paper.

<u>Pigment Coating.</u>— Soy-protein isolate, a refined product of soy meal, is widely substituted for casein in the pigment coating of paper and paper-board, for the purpose of binding pigments to the paper stock and to each other. This is much the largest use of proteins by the paper industry — about 14.5 million pounds of soy-protein isolate and 20 million pounds of casein are used annually. At present, use of oilseed proteins in this industry is being threatened by synthetics and starch coatings. Development of better spreading properties in oilseed proteins and further expansion in the demand for water-resistant coated paper may be offsetting factors

<u>Wallpaper Coating.-</u> In coating wallpaper, soy-protein isolate is preferred to case in because of superior spreading characteristics, brighter finishes, and lower price. About 5 million pounds of soy-protein isolate is used for this purpose annually. In addition, 2.5 million pounds of protein from soy flour is used. Synthetic materials are reducing the use of soy-protein isolate; indications are that it may replace as much as one-third of the present use.

Other uses of oilseed protein material in the paper-coating industry are insulating-board coating and plying, clear coatings, adhesive coatings, and paper size. None of these uses represents any considerable present or future market for oilseed proteins.

Woodworking Glue

Glues for the production of plywood and related veneer products constitute one of the largest nonfood industrial uses of soy meal. The plywood industry uses about 42 million pounds of soy meal annually. It has used peanut and cottonseed meals as adhesives, and retains a moderate interest in the use of peanut meal. The production of plywood and related veneer products uses far more glues than does any other part of the woodworking industry

Soy-meal glues have been losing ground to phenolic resins in their main market — softwood plywood — and they have been losing to urea resins in the production of hardwood plywood. In both instances, but especially in relation to phenolics, the situation has tended to become temporarily stabilized. Research on gluing technology, soy-meal characteristics, and the viscosity of soy-meal solutions has helped soy meal to hold its position. The long-term outlook for the production of softwood plywood and trends in the technology of the industry suggest that soy meal will need more research if it is to hold its ground here, but that such research will be fruitful.

Other Uses In Adhesives

The greatest possibilities in this field for additional use of oilseed proteins appear to be in connection with solid fiberboard and in spotting thin cork-board inserts on metal bottle caps. Neither market, however, is expected to exceed a million pounds. The adaptation of soy-protein isolate for use in the manufacture of solid fiberboard shipping boxes has been successful, but the more general potentialities of oilseed proteins are in the production of corrugated fiberboard shipping containers which is the largest market for adhesives. In peacetime, solid fiberboard boxes have constituted only 4 percent of the fiberboard shipping-box industry; they were much more important in wartime for tough export containers. Consumption of casein and oilseed proteins as adhesives for purposes other than woodworking approximates 5 million pounds per year; most of this is casein.

Multiwall paper bags offer a relatively large market for adhesives. Because of their water resistance, oilseed proteins might achieve an attractive minor share of this market.

Water Paints

About 6 million pounds of casein, 2 million pounds of soy proteins and 2 million pounds of corn gluten are currently used in water paints. The 6 million pounds of casein afford a likely target for further development of soy protein and corn gluten. Some tendency toward the use of a declining quantity of protein per gallon of water paint may be offset by a gradually expanding market for water paints, especially for the latex or resin-emulsion type. Synthetic emulsifying agents threaten proteins over the long term, but their current use is limited by their nigher costs.

Plastics

Use of oilseed proteins as resin extenders and fillers for plastics is generally considered to be distinctly unattractive. Oilseed proteins might replace the limited and declining quantity of casein now used in plastics. Renewed attempts to secure this market may not be warranted unless based on useful new knowledge about the characteristics of oilseed proteins.

Asphalt Products

Printed felt base, as the least expensive of floor coverings, represents a relatively stable industry, using annually roughly 3 million pounds of protein; casein accounts for 2 million pounds and soy-protein isolate the remaining 1 million pounds. The use of asphalt emulsions in building roads also provides a stable market and one in which the consumption of protein may conceivably be increased. At present, relatively high prices limit such

consumption to less than I million pounds per year of protein in a crude form. Cottonseed and soy protein compete with casein, blood, and lignin for this market.

Supplies Of Oilseed Proteins

Supplies of the oilseed proteins seem to be ample in comparison with any prospective need, except for peanut protein. The development of peanut protein in this country depends in part on working out lower costs in the production of peanuts and providing a large and reliable supply for the regular production of oil and meal, rather than diverting only the surpluses to milling. At the present time very little industrial use is made of protein products derived from cottonseed and flaxseed. The outlook for increased use of these proteins is limited unless technological developments overcome the inherent disadvantages for industrial use of these products. Soy protein for industrial uses has been in good supply and of uniform quality while supplies of casein for industrial uses have been irregular and most imports have been poor and variable in quality. These facts have furthered the acceptance of soy-protein isolate in competition with casein.

SELECTED NEW PUBLICATIONS

- : 1. "Buying and Selling Feeder Cattle in Illinois: A Study of Current Practices and Costs," by Walter J. Wills and R. C. Ashby, Ill. Expt. Sta. Bul. 541, Aug. 1950.
- 2. "California Fresh Tomatoes -- Marketing Channels and Gross Margins from Farm to Consumer -- Summer and Fall, 1948,"
 by Walter D. Fisher, Giannini Foundation of Agricultural Economics Mimeographed Report No. 113, June 1951 (BAE, Calif. Expt. Sta., and Calif. Farm Bur. Federation cooperating).
- : 3. "Cotton Marketing Practices in Selected Communities, 1947-48," Southern Cooperative Series, Bul. 8, Sept. 1950 (Agr. Expt. Stas. of Ala., Ariz., Ga., La., Miss., Mo., E. C., Tenn., Tex.; RMA, BAE, BPISAE, and PMA cooperating).
 - 4. "Marketing Cattle in New Mexico," by A. J. Walrath, N. Mex. Agr. Expt. Sta. Bul. 360, Feb. 1951 (RMA).

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- 5. "Marketing Wisconsin Eggs in a Southern City," by W. F. Mortenson and Truman F. Graf, Dept. Agr. Econ., Univ. of Wisc. (RMA and BAE cooperating). (Processed.)
- 6. "Purchasing Feeder Cattle, Calves, Sheep, and Lambs," by G. F. Henning and M. B. Evans, Ohio Agr. Expt. Sta. Res. Bul. 707, Mar. 1951.

State publications may be obtained from the Agricultural Experiment Stations of the respective States.

Table 4.- Price spreads between farmers and comsumers - food products: Retail price, farm value of equivalent quantities sold by producers, byproduct adjustment, marketing margin, and farmer's share of retail price, June 1951

Unit Govern-: Ad-										1 M-			
Cosmodity	: : Farm equivalent		Retail price	farm	: By- : :product: :allow- : : ence :	farm	for by-	: Farm-	marketing taxes (-) and pay- ments (+)	: ing :Charge :(ed.j.	:payments :to pro-	: justed : farm	justed ferm- er's share
Market basket			724.48	Dollars	Dollars	355.33		Percent 49	Dollars -0.34		Dollars	355.86	Percent 49
Meat products 1/	1		:	162.58	10.17	152.41	72.90	68	-0.54	72.90			68
	1		133.67	72.30	10.17	72.30						152.41	
Dairy products	!	: : 1935-39	1				61.37	54		61.37		72.30	54
Poultry and oggs	ı	: annual	54.13	35.15		35.15	18.98	65	~	18.98		35.15	65
cereal products, all ingredients	: purchases	:quantities :purchased, :per family	104.03	27.09	5.28	27.88 21.81	76.15	27 21	04	76.11	.07	27.95 21.81	27 21
Bakery products, all ingredients		: of three : average	: : <u>2</u> /			13.36			04		.07	13.43	
Orain Other cereal products		: comemmers		8.92 18.17		7.29 14.52	23.54	- 38		23.54		7.29	38
All fruits and vegetables	: :	-	: 159.60	49.08		49.08		31		110.52		49.08	31
Fresh vegetables			121.62	40.53		40.53	81.09 52.60	33 29		81.09 52.60		40.53	33
Cenned		:	25.04	4.10		4.10	20.94	16		20.94		4.10	29 16
Miscellaneous products	: :	:	47.74			18.51	29.23	39	30	28.93	.46	18.97	40
Beef (Good grade) 3/	: :2.16 lb.Good grade cattle	r Pound	: Cents : 84.7	Cents 4/69.6	Cents 7.9	Cents 61.7	Cents 23.0	Percent 73	t Cents	Cents 23.0	Cents	Cents 61.7	Percent 73
Lamb Pork (including lard)	:2.16 1b. lambs :1.41 1b. hogs :	Pound:	: 78.4 : 45.4 :	68.5 29.8	11.4	57.1 29.3	21.3	73 65	==	21.3		57.1 29.3	73 65
Butter	:10.08 lb. milk	: Pound	79.3 63.0	57.0 35.0		57.0 35.0	22.3 28.0	72 56		22.3 28.0		57.0 35.0	72 56
Evaporated milk	:1.95 lb. milk :Farm retail and wholesale	: Quart	21.6	7.10 12.26		7.10 12.26	7.9 9.3	47 5 7		7.9 9.3		7.10 12.26	47 57
Eggs		: Dozen : Pound	65.5 54.6	46.0 31.0		46.0 31.0	19.5 23.6	70 57		19.5 23.6		46.0 31.0	70 57
White bread	: .690 lb. wheat : .652 lb. wheat and	Pound Pound	16.2 5/	3.16 2.39	.60 .18	2.56 2.21	13.6	16		13.6		2.56 2.21	16
Soda crackers	: .304 lb. rys :1.406 lb. wheat	: Pound : Pound	: 5/ : 5/	3.14 4.89	•54 •92	2.60 3.97						2.60 3.97	
Corn flakes Corn meal Flour, white Macareni Rice Rolled cats Wheat cereal	:1.343 lb. corn :1.41 lb. wheat :1.99 lb. wheat :1.68 lb. rough :2.05 lb. oats	: 8 or. pkg. : Pound : Pound : Pound : Pound : Pound : Pound : 28-or. pkg.	13.2 7.7 9.0 5/ 16.9 14.3	3.51 3.89 4.89 6.71 9.17 5.31 10.46	1.24 .62 .92 2.56 1.24 1.11 2.01	2.27 3.27 3.97 4.15 7.93 4.20 8.45	10.9 4.4 5.0 9.0 10.1	17 42 44 		10.9 4.4 5.0 9.0 10.1		2.27 3.27 3.97 4.15 7.93 4.20 8.45	17 42 44
ApplesGrapefruitOranges	: .0163 box - fresh use : .0613 box - fresh use :	Pound Rach Dozen	11.8 5/ 47.4	4.23 2.44 16.7		4.23 2.44 16.7	7.6 30.7	36 35		7.6		4.23 2.44 16.7	36 35
Beets Beans, snap Cabbage Carrots Lettuce Onions Potatoes Spinach Swestpotatoes Tomatoes	: .0375 bu. :1.10 lb. : .0222 bu. : .0185 ort. :1.06 lb. : .0174 bu. : .0638 bu.	: Pound : Bunch : Head : Pound : Pound : Pound	: 5/ : 19.9 : 5.9 : 11.0 : 13.4 : 10.9 : 5.5 : 2/ : 10.5	3.63 7.69 1.50 5.00 7.22 3.51 1.88 4.47 4.28 6.40		3.63 7.69 1.50 5.00 7.22 3.51 1.88 4.47 4.28 6.40	12.2 4.4 6.0 6.2 7.4 3.6 6.2 20.9	39 25 45 54 32 34 41 23		12.2 4.4 6.0 6.2 7.4 3.6 6.2 20.9		3.63 7.69 1.50 5.00 7.22 3.51 1.88 4.47 4.28 6.40	39 25 45 54 32 34
Grapefruit juice	1.04) box grapefruit 11.89 lb. Calif. cling 1.88 lb. snap 13.03 lb. sweet 1.89 lb. 12.41 lb.	:No. 2 can :No. 2 can :No. 2 can	5/ : 33.6 : 5/ : 22.1 : 15.6 : 20.8	3.56 5.66 4.76 2.67 3.63 3.01		3.56 5.66 4.76 2.67 3.63 3.01	27.9 19.4 12.0 17.8	17 12 23 14		27.9 19.4 12.0 17.8		3.56 5.66 4.76 2.67 3.63 3.01	17 12 23 14
Prunes	: :1 1b. dried, California :1 1b. Mich. and N. Y. : pea beans	Pound	27.9	12.25		12.25	15.6	44		15.6		12.25	44
Bost sugar	7.15 1b. sugar beets	:	15.9 10.5	4.08	.21	6.38 3.87	9.5 6.6	40 37	- •54	9.5 6.1	.83	6.38 4.70	40 45
Corn sirup Margarine		. 2h	5/	4.93 5.51	.79 1.40	4.14	6.1	<u> 41</u>	54	5.6	-84	4.98 4.11	49
Balad and cooking at	I MEIM MILE	Pound	3.72			14.36	22.8	39		22.8		14.36	39
Salad and cooking oil Yegetable shortening Peanut butter		Pound:	: 5/ : 38.5 : 5/			12.54 17.04	21.5	44		21.5		12.54	44
The meat-products group to						18.6						18.6	

The meat-products group includes weal and mutton, farm sales of lower grads cattle, allowance for retail values of byproducts and processed meats, in addition to the lamb, pork (including lard), and carcass beef of Good grads for which data are individually listed. The estimates for the meat-products group are not averages of the data for the three individual items.

A Retail cost estimate discontinued.

Name of grade was changed to Choice on Dec. 29, 1950; beef and slaughter cattle having quality characteristics that would have placed them in the Good grads are now in Choice grade.

Gross farm value before adjusting for Choice grade premium was 63.7 cents.

Table 5.- Frice spreads between farmers and consumers - food products: Retail price and farm value, June 1951, compared with the 1985-59 average, June 1950 and May 1951

		1		Retail	price			ı		Net fr	rm value 1	/	
•		1		1 1			es obenge				1	Percente	se change
Commodity		1985-89	June	May	June	: to : 1951.	June from -	1985-89		May	June.	1 to	June from -
	· ·	average;	1950	1951	1951	June		'saetree	1950	1951	1951	June	
		Dollars	Dollars	Dollars	Dollars	Percent	May 1951 Percent	Dollars	Dollars	Dollars	Dollars	Percent	May 1951 Percent
Market basket) ((1 341.19	653.35	2/723.49	724.48	+ 11	3/	134.73	2/302.60	358.34	355.33	+ 17	- 1
Meat products 4/	} {	(: (: 88,57	202.73	224.19	225.31	+ 11	3/	41.60	<u>2</u> /126.24	150.84	152.41	+ 21	+ 1
Dairy products) ((r (r 67.31	116.95	2/133.47	133.67	+ 14	3/	33.42	2/ 62.00	72.55	72.30	+ 17	3/
Poultry and eggs	}	(; (; 26.47	44.32	54.60	54.13	+ 22	- 1	17.57	25.48	35.97	35.15	+ 38	- 2
Bakery and other	1935-39	(;											
All ingredients Grain	annual	: 55.09	93.97	2/103.69	104.03	+ 11	3/	11.63 9.04	2/ 24.66 2/ 20.27	28.26 22.18	27.88 21.81	+ 13 + 8	- 1 - 2
Bakery products:	purchased.	: 36,68	5/	5/	5/			5.65	2/ 11.20	13.50	13.36	+ 19	- 1
Grain	of three					~		3.06	2/ 6.81	7.42	7.29	+ 7	- 2
products) average	: 18 .46	34.92	<u>2</u> / 38.12	38.06	+ 9	3/	5.98	<u>2</u> / 13.46	14.76	14.52	+ 8	- 2
All fruits and vogetables	()	: 77.79	155.42	2/159.35	159.60	+ 3	3/	23.98	<u>2</u> / 52.10	52.38	49.08	- 6	~ 6
Fresh fruits and a) (1 57.85	125.52	2/121.57	121.62	- 3	3/	20.37	2/ 44.53	43.85	40.53	- 9	- 8
Prosh vegetables .: Canned fruits and) (33.16	73.01	75.74	74.40	+ 2	- 2	11.48	2/ 23.40 2/ 4.01	24.93 4.07	21.80	- 7 + 2	- 13 + 1
vegetables	}	1 14.14	19.10	24.80	25.04	+ 31 + 19	+ 1 - 1	1.93	2/ 4.01 2/ 12.12	18.34	18.51	+ 53	+ 1
Miscellaneous products :	, (: 25.96 : : <u>Cents</u>	39.96	_	47.74	Percent	Percent	6.53	Cents	Cents	Cents	Percent	Porcent
Page (2-ad awada) 6/	Daniel	:	Cents	Cents 84.5	84.7	+ 12			52.0	63.0	61.7	+ 19	- 2
Beef (Good grade) 6/	Pound	: 29.1 : 26.8 : 22.6	75.5 74.0 40.8	77.5 45.1	78.4 45.4	+ 6 + 11	2/ + 1 + 1	16.2 18.2 11.7	47.5 <u>2</u> / 25.3	56.3 28.4	57.1 29.3	+ 20 + 16	+ 1 + 3
Butter	Pound	: 35.0	69.6	2/ 79.2	79.3	+ 14	3/	23.9	48.9	56.8	57.0	+ 17	3/
Cheese, American		: 25.9 : 7.5	54.5 12.8	2/ 62.7 14.9	63.0 15.0	+ 16 + 17	-3/ ₁	13.6 2.86	2/ 27.6 5.56	35.0 7.18	35.0 7.10	+ 27 + 28	- 1
Fluid milk	Quart	: 11.4	18.8	21.6	21.6	+ 15	0	6.30	<u>2</u> / 10.68	12.33	12.26	+ 15	- 1
Eggst	Pound	: 29.0 : 30.0	46.4 52.7	64.5 56.8	65.5 54.6	+ 41 + 4	+ 2 - 4	22.5 16.9	31.0 25.1	46.6 32.8	46.0 31.0	+ 48 + 24	- 1 - 5
White bread	Pound	: 9.1 : 9.6	14.5	<u>2</u> / 16.1	16.2 7/	+ 12	+ 1	1.08	2/ 2.40 2/ 2.05	2.61 2.24	2.56 2.21	+ 7 + 8	- 2 - 1
Rye bread	Pound	: 10.0 : 16.0	1/ 1/ 1/		<u>1</u> /			1.04	2/ 2.05 2/ 2.30 2/ 3.72	2.64 4.03	2.60 3.97	+ 13 + 7	- 2 - 1
Corn flakes			12.3	13.2	13.2	+ 7	o	.84	2.19	2.17	2.27	+ 4	+ 5
Corn meal		: 3.9	6.8 8.3	2/ 7.8 9.0	7.7 9.0	+ 13 + 8	- 1 0	1.40	2.80 2/ 3.72	3.28 4.03	3.27 3.97	+ 17 + 7	.3/ - 1
Macaroni	Pound	14.9	7/	7/	2/	~		1.87	2/ 4.62	4.16	4-15	- 10	3/
Rice		: 7.2	15.5	16.9	16.9	+ 9	0	2.57	2/ 6.03 4.08	8.27	7.93 4.20	+ 32 + 3	- 4 - 6
Whoat cereal	28-oz. pkg.	: 7.3 : 24.2	12.9 I/	<u>2</u> / 14.4 7/	14.3 Z/	+ 11	- 1	1.74 3.66	2/ 8.01	4.48 8.58	8.45	+ 5	- 2
Apples	Pound	4.9	14.3	2/ 11.0	11.8	- 17	+ 7	2.03	5.87	4.12	4.23	- 28 - 37	+ 3
Oranges	Dozen	: <u>8</u> / : 30.3	7/ 48.2	2/ 46.5	7/ 47.4	- 2	+ 2	<u>8</u> / 11.0	3.88 19.0	2.53 18.8	2.44 16.7	- 37 - 12	- 11
Boots	Bunch	<u>.</u> <u>8</u> /	1/	2/	1 /	~		8/	2/ 5.05	4.53	3.63	- 28	~ 20
Beans, snap Cabbage:		: 11.3 : 3.4	16.6	22.5 6.5	19.9	+ 20 - 2	- 12 - 9	4.49	2/ 5.81 2/ 1.63	9.19	7.69 1.50	+ 32	- 16 + 11
Carrots		: 5.4	6.0 9.8	10.7	5.9 11.0	+ 12	+ 3	.81 1.69	3.33	1.35 3.77	5.00	+ 50	+ 33
Lettuce	Head	1 8.7	13.8	18.8	13.4	- 3	- 29	2.89	4.07	6.29	7.22	+ 77	+ 15
Onions		1 4.5	8.2	10.4	10.9	+ 33	+ 5	1.30	2/ 2.23	5.64	3.51	+ 57	- 38
Potatoes		: 2.5	5.2	4.8	5.5 Z/	+ 6	+ 15	1.25	2.21	1.90	1.88	- 15	- 1 + 8
Spinach		: 7.2 : 4.0	1 /	7/	10.5	+ 12	+ 15	2.84	4.47	4.15	4.47	3/°	3/
Tomatoes		: 4.0 : 8/	9.4 32.4	9.1 29.9	27.3	- 16	- 9	1.65	4.30 2/ 12.55	4.26 11.17	4.28 6.40	- 49	- 43
Grapefruit juice, canned :	No. 2 can	. 8/	7/	27.9	2/.3	- 10		<u>8</u> / 8/	6.98	3.56	3.56	- 49	0
Peaches, canned		: 18.7	7/ 27.0	33.6	33.6	+ 24	0	2.53	3.73	5.66	5.66	+ 52	0
Beans, green, camed:			7/	7/	2/			1.95	2/ 4.72	4.63	4.76	+ 1	+ 3
Corn, canned	Mo. 2 dan	: 12.1	17.5	22.1	22.1	+ 26	0	1.50	2/ 3.09	2.67	2.67	- 14	. 1
Peas, canned	No. 2 can	15.6	14.9	15.5 20.5	15.6 20.8	+ 5 + 42	+ 1 + 1	2.29 1.49	2/ 4.72 2/ 3.09 2/ 3.84 2/ 2.87	3.59 3.01	3.63 3.01	- 5 f 5	* 1 0
Prunes	Pound	: 10.0 : 6.5	24.4 13.9	28.0 16.1	27.9 15.9	+ 14 + 14	_2/1	2.99 5.02	<u>2</u> / 8.15 6.67	11.68 2/ 5.63	12.25 6.38	+ 50 - 4	+ 5 + 13
Beet sugar	Pound	5.7	9.8	2/ 10.5	10.5	+ 7	0	1.73	2/ 3.58 2/ 3.72	3.87	3.87	+ 8	0
Cane sugar		: 5.5	9.5 Z/	2/ 10.2	10.2	+ 7	0	1.78	2/ 3.72	4.14	4.14	+ 11 + 23	+ 2
Homes and a		: 11.5	29.4	7/ 37.9	7/ 37.2	+ 27	- 2	1.79	2/ 6.66	4.04 13.74	4.11 14.36	+ 116	+ 5
MATEGRADO			47	71		~,		4.30	2/ 7 50	13.80		+ 65	- 9
Margarine	Pint	: 24.7	11		31				6/ /*30		12.34		
Salad and cooking oil: Vegetable shortening: Peanut butter		: 24.7 : 19.5 : 17.6	7/ 30.1 7/	7/ 39.0 7/	7/ 38.5 7/	+ 28	- 1	4.45 5.26	2/ 7.58 2/ 7.81	16.29	12.54 17.04	+ 118	+ 5

^{1 /} Adjusted to exclude imputed value of non-food byproducts obtained in processing.
2/ Revised.
3/ Less than 0.5 percent.
4/ The meat products group includes veal and mutton, farm sales of lower grade cattle, allowance for retail values of byproducts and processed meats, in addition to the lamb, pork (including lard), and carcass beef of Good grade for which data are individually listed. The estimates for the meat-products group are not averages of the data for the three individual items.
5/ Retail cost estimate discontinued.
6/ Name of grade was changed on Dec. 29, 1950; beef and slaughter cattle having quality characteristics that would have placed them in the Good grade are now in Choice grade.
7/ Retail price quotation discontinued.
8/ Price data not available.

Table 6.- Frice spreads between farmers and consumers - food products: Marketing charges, and farm value as percentage of retail price, June 1951 compared with the 1935-39 average, June 1950 and May 1951

				ge, June 1			·		·			
, ,	•	1	<u>,</u>	,	Marketing	Charges 1		change to			as percentl price	ntage
Commodity 1	Retail	Margine 1936-89	1985-29	June	May		June 19		, ,		3	:
	unit	average	Everege	1950	1951	1951	June 1	May	1985-891		t May	
, ,	,	1	: :	1 1		; [1950	1951	iaverage:		1951	1951
,		: Dollars	Dollars	Dollers	Dollare	Dollars	Percent	Percent	Percent	Percent	Percent	Percent
Market basket	١ (206.46	: 204.47	2/350.38	2/364.81	368.81	+ 5	+ 1	40	46	<u>2</u> / 50	49
)			-			_		•	40	_	
Meat products 2/	}	1 46.97	45.88	<u>2</u> / 76.49	73.35	72.90	- 5	- 1	47	62	67	68
Dairy products	5	33.89	33.89	3/ 54.95	2/ 60.92	61.37	+ 12	+ 1	50	53	54	54
	1985-59				_							
Poultry and eggs	{amual }	1 8.90	8.90	18.84	18.63	18.98	+ 1	+ 2	66	57	66	65
Bakery and other sereal	(average) (quantities)											
products; all ingredients	(purchased)	43.46	42.80	2/69,26	<u>2</u> / 75 39	76.11	+ 10	+ 1	21 16	2/ 26 22	<i>2</i> 7 21	<i>2</i> 7 21
Bakery products, all ingred:		30.98	30.70	4	4/	4			15			
Other ocreal products	(average)	12.48	12.10	2/ 27 16	2/ 22	22 5/	4. 10		8			
1	COMPANDED IN S	1	12.10	<u>2</u> / 21.46	2/ 23.36	23.54	+ 10	+ 1	32	39	39	38
All fruits and vegetables	}	53.81	53.81	2/103.32	2/106.97	110.52	+7	+ 3	31.	2/ 34	33	31.
Fresh fruits and vegetables: Fresh vegetables		21.68	<i>3</i> 7.48 21.68	2/ 80.99 2/ 49.51	2/77.72 50.81	81.09 52.60	, <u>5</u> / ₆	+ 4	35 35	35 <u>2</u> / 32	36 33	33 29
Canned fruits and vegetables	}	12.21	12.21	2/ 15.09	20.73	20.94	+ 39	+ 1	14	21	16	ĩ6
Miscellaneous products	3	19.43	19.19	2/ 27.52	2/ 29.55	28.93	+ 5	- 2		<u>2</u> / 30	38	39
	. ,	1							25			
•		: Cents	Cents	Cents	Cents	Cents	Percent	Percent	Percent	Percent	Percent	Percent
Beef (Good grade) 6/	Pound	: 12.9	12.9	23.5	21.5	23.0	- 2	+ 7	56	69	75	73
Pork (including lard)	Pound Pound	: 13.6 : 10.9	13.6 10.3	26.5 <u>2</u> / 15.5	21.2 16.7	21.3 16.1	- 20 + 4	. <u>5</u> /_	49 62	2/ 62	73 63	73
	10000	•		<u>~</u> ~,.,	20.7	20.1	7 4	- 4		2/ 62	0)	65
Buttor	Pound Pound	11.1	11.1 12.5	20.7 2/ 26.9	2/ 22.4 2/ 27.7	22.3	+ 8	.5/	68 58	70	72	72
Svaporated milk		1 4.6	4,6	7.2	2/ 27.7 7.7	28.0 7.9	+ 4 + 10	+ 1 + 3	58	2/51 43	56 48	56 47
Pluid milk	Quart	: 6.1	5.1	8.1	9.3	9.3	+ 15	Ó	55	57	57	57
: 1:	Dozen	6.7	6.7	15.4	17.9	19.5	+ 27	+ 9	77	67	72	70
Chicken	Pound.	: 18.1	13.1	27.6	24.0	23.6	- 14	- ź	56	48	58	57
's White bread	Pound	: : 8.0	7.9	12.1	2/ 13.5	13.6	+ 12	+ 1	12	17	16	16
Whole wheat bread	Pound	8,7	8.6						9		~	
Rye bread	Pound Pound	9.0	8.9	1) 1/ 1/	7/ 2/,	7/ 7/ 1/			10 10			
b	Pound	: 14.8 :	14.2	D	<u> 7</u> /	Ш			10			
Corn flakes	8-oz. pkg.	: 7.1	7.1	10.1	11.0	10.9	+ 8	- 1	11	18	16	17
Corn meal	Pound Pound	1.6	1.6 2.1	2/ 4.6	2/ 4.5 5.0	4.4 5.0	+ 10 + 9	- 2 0	47 48	2/ 45 2/ 45	<u>2</u> / 42 45	42 44
Macaroni	Pound	: 13.0	12.9	2/	7/ 8.6	<i>1</i> /	<u>-</u>		18			
Rice	Pound Pound	1 4.8	4.7 5.6	9.5 8.8	2/ 0.0	9.0 10.1	- 5 - 15	+ 5 + 2	88 24	39	49	47
Wheat cereal		20.5	20.2	2/	2/ 9.9 7/	10.1	+ 15	T 2	15	32	31	29
innles .	David		• •		- -	_	••		41			_,
Apples	Pound Each	: 2.9 : <u>8</u> /	2.9	8.4 7/	2/ 6.9 7/	7.6 7/	- 10	+ 10	<u>8</u> /	41	37	36
Oranges	Dozen	1 19.3	19.3	29.2	<u>2</u> / 27.7	30.7	+.5	+ 11	36	39	40	35
Beote	Bunch	. 8/		2/	2/	2/						
Beans, snap	Pound	8/	6.8	2/ 10.8	13.3	12.2	+ 13	- 8	40	2/ 35	41	39
Cabbage	Pound Bunch	2.6	2.6 3.7	4.4 6.5	5.1 6.9	4.4 6.0	- 8	- 14 - 13	24 31	<u>2</u> / 27	21	.25 .
Lettuce	Head	1 5.8	5.8	9.7	12.5	6.2	- 8 - 36	- 19 - 50	33	34 29	35 33	45 54
Onions	Pound	3.2	3.2	2/ 6.0	4.8	7.4	+ 23	+ 54	29	2/27	54	32
Spinach	Pound Pound	1.3	1.3 4.4	3.0 2/	2.9 Z/	3.6	+ 20	+ 24	50 39	42	40	34
Sweetpotatoes	Pound.	2.4	2.4	5.1	4.8	7/ 6.2	+ 22	+ 29	41	46	47	41
Grapefruit juice, canned	Pound	<u>8/</u>		2/ 19.8	18.7	20.9	+ 6	+ 12	<u>8</u> / 14	2/39	37	23
Peaches, camed	No. 22 can	16.2	16.2	27/	7/ 27.9	7/ 27.9	+ 20		14	14	17	17
Beans, green, canned	No. 2 can		9.4	7/	1/	2/			17			
Peas, canned	No. 2 can	10.6	10.6 13.5	17.4 2/ 11.1	19.4 11.9	19.4 12.0	+ 35 + 8	. 0	12 15	18	12	12
Tomatoes, camed	No. 2 can	7.9	7,9	2/ 11.1 2/ 11.7	17.5	17.8	+ 52	+ 1 + 2	16	2/ 26 2/ 20	23 15	23 . 14
Prumes	Pound	: 7.0	7.0	2/ 16.2	16.3	15.6	- 4	_ ,	80			
Navy beams	Pound	8.5	8.6	7.2	2/ 10.5	9.5	+ 32	- 4 - 10	46	2/ 33 48	42 35	44 40
Beet augar	Pound	4.0	3.6						80			
Cane sugar	Pound	3.7	3.4	5.7 2/ 5.3	2/ 6.1 2/ 5.6	6.1 5.6	+ 7 + 6	0	82	37 <u>2</u> / 39	37 41	37 /1
Corn sirup	24 os.	9.7	9.7	- 7/		7/			16 `24			41
	Pound	13.8	13.2 20.3	2/ 22.2	24.2	22.8	+ 3	- 6	18	2/23	36	39
Shiad and cooking oil	Pint	20.3	20.3	7/	7/	7/			40			
Solad and cooking oil	Pint Pound Pound	20.3 14.2 11.5	14.2 11.2	2/ 22.3 2/	IJ 22.7 IJ	7/ 21.5 2/	- 4	- 5	27 35	2/ 26	42	44

Marketing charges equal margins (difference between retail cost and net farm value, table 5) minus processor taxes plus Government payments to marketing agencies.

2/ Revised.

3/ The mest-products group includes veal and mutton, farm sales of lower grade cattle, allowance for retail value of byproducts and processed meats, in addition to the lamb, pork (including lard), and carcass beef of Good grade for which data are individually listed. The estimates for the meat-products group are not averages of the data for the three individual items.

4/ Retail cost estimate discontinued.

5/ Less than 0.5 percent.

5/ Name of grade changed to Choice on Dec. 29, 1950; beef and slaughter cattle having quality characteristics that would have placed them in Good grade are now in Choice grade.

7/ Retail price quotation discontinued.

8/ Price data not available.

Table 7.- Farm products: Indexes of prices at several levels of marketing,

Prices Foods Fibers Whole- Prices Pr	1	lable 7	Farm pro	ducts:				eral leve	ls of m	arketing	,
Prices	*****	•	•	Poods		<u> </u>		** ***********************************	Whole-:		•
Paid Retail Prices Pri		Prices	•	. 10000		*	Mholo-	Prince "	eala.	Prices	
Year: W		paid	· Botail	•			· cale :	received:	nrices:	received	Price
and ; city ; of farm; sale ; received; of ; of ; farmers; all ; farmers; by month, familians; food ; prices; by ; cloth-; textile; for ; farm ; for all ; prod-; 2/; farmers; ing ; prod-; cotten ; prod-; cot	Vocr	* - 3			Prices		. pale :	hvz •	of .	by	paid
Second S		•								farmers	by
Formal F	man + h	families	or rain							${f for}$	
	111011 071	for all	: 100G							all	•
Sties 1/			*	• 44 *						prod-	
1913 : 71 77 81 91 69 81 110 94 95 81 1916 : 78 94 96 106 78 99 131 111 111 93 1918 : 108 134 151 172 128 193 279 195 192 141 1920 : 143 166 174 181 201 232 284 198 197 171 1929 : 122 128 126 136 115 127 167 138 138 121 1932 : 98 83 77 67 91 77 54 63 61 82 1935 : 98 102 106 99 97 100 109 104 101 99 1936 : 99 103 174 104 98 101 114 106 106 99 1937 : 103 106 108 112 103 107 111 114 114 105 1938 : 101 96 93 94 102 94 80 90 90 90 98 1939 : 99 93 89 90 100 98 87 86 88 98 1940 : 100 93 94 102 104 98 89 93 98 1941 : 105 102 105 114 106 119 131 108 115 105 1942 : 117 120 125 145 124 136 178 139 147 120 1943 : 124 135 135 175 133 139 139 139 154 162 182 140 1945 : 129 135 134 183 146 141 201 169 192 145 1945 : 129 135 134 183 146 141 201 169 192 145 1945 : 129 135 134 183 146 141 201 169 192 145 1949 : 170 189 204 229 190 198 272 218 232 194 1950 : 172 189 204 229 190 198 272 218 232 198 1950 : 172 189 204 229 190 198 272 218 232 194 1950 : 172 189 204 229 190 198 272 218 232 194 1950 : 172 189 204 229 190 198 272 218 232 194 1950 : 172 189 204 229 190 198 272 218 232 194 1950 : 172 187 217 6/234 184 201 303 234 234 249 200 286 173 194 221 174 174 174 174 174 174 174 174 174 17			:ucts <u>z</u> /		.=2	: 1/		and:			,
1916: 78 94 96 106 78 99 131 111 111 93 1918: 108 134 151 172 128 193 279 195 192 141 1920: 143 166 174 181 201 232 284 198 197 171 1929: 122 128 126 136 115 127 167 138 138 121 1932: 98 83 77 67 91 77 54 63 61 82 1935: 98 102 106 99 97 100 109 104 101 99 1936: 99 103 104 104 98 101 114 106 106 99 1937: 103 106 108 112 103 107 111 114 105 1939: 99 93 89 90 100 98 87 86 88 98 1940: 100 93 94 102 98 87 86 88 98 1940: 100 93 90 94 102 98 87 86 88 98 1940: 100 93 90 94 102 104 98 89 93 98 1941: 105 102 105 114 106 119 131 108 115 105 1942: 117 120 126 145 124 136 178 139 147 120 1943: 124 135 135 175 130 137 190 161 179 133 1944: 126 132 123 173 139 139 194 162 182 140 1945: 129 135 134 183 146 141 201 169 192 145 1946: 140 155 166 207 100 164 260 196 218 159 1947: 160 189 213 249 186 200 296 248 265 202 1949: 170 189 204 229 190 198 272 218 232 194 1950: 172 189 210 228 185 193 230 233 171 237 253 203 May: 169 186 202 6/222 185 192 6/277 217 230 197 June: 170 192 205 6/25 185 193 230 363 234 249 200 8ept.: 175 193 224 238 194 235 386 242 257 206 Dec.: 179 200 226 250 196 221 383 230 363 234 249 200 8ept.: 175 193 224 238 194 235 386 242 257 206 Dec.: 179 200 226 250 198 251 401 256 279 211 Jan.: 182 208 230 265 198 251 401 256 279 211 Jan.: 184 212 236 277 266 204 257 425 266 288 290 19 Ayr.: 185 212 237 266 204 257 425 266 288 290 19 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 257 425 266 288 290 219 Ayr.: 185 212 237 266 204 256 415 263 284 219 Ayr.: 185 212 236 264 204 256 415 263 284 219 Ayr.: 185 212 236 264 204 256 415 263 284 219 Ayr.: 185 212 236 264 204 256 415 263 284 219										ت در منتشد بدین ویونست مارا	
1918 108									94,		81
1920 : 143							99			111	93
1929 : 122							193			192	141
1932: 98 83 77 67 91 77 54 63 61 82 1935: 98 102 106 99 97 100 109 104 101 99 1936: 99 103 104 104 98 101 114 106 106 99 1937: 103 106 108 112 103 107 111 114 114 105 1938: 101 96 93 94 102 94 80 90 90 98 1939: 99 93 89 90 100 98 87 86 88 98 1940: 100 93 90 94 102 104 98 89 93 98 1941: 105 102 105 114 106 119 131 108 115 105 1942: 117 120 125 145 124 136 178 139 147 120 1943: 124 135 135 175 130 137 190 161 179 133 1944: 126 132 133 173 139 139 194 162 182 140 1945: 129 135 134 183 146 141 201 169 192 145 1946: 140 155 165 207 160 164 260 196 218 159 1947: 160 189 213 249 186 200 296 238 256 186 1948: 172 202 226 260 198 209 296 248 265 202 1949: 170 189 204 229 190 198 272 218 232 194 1950: 172 187 217 6/234 184 201 310 232 245 198 1940: 173 194 221 6/235 186 211 343 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 193 230 363 234 250 204 Nov.: 176 193 221 6/235 269 204 257 425 266 288 200 1951: Jan.: 182 208 230 265 198 251 401 266 268 290 219 Apr.: 185 212 236 264 204 256 409 261 280 249 June: 185 212 237 266 204 256 409 261 280 249 June: 185 212 237 266 204 256 409 261 280 249 June: 185 212 236 254 204 256 409 261 280 249	1920	: 143	166	174	181	201.	232	284	1.98	197	171
1935: 98 102 106 99 97 100 109 104 101 99 1936: 99 103 104 104 98 101 114 106 106 99 1937: 103 106 108 112 103 107 111 114 106 106 99 1938: 101 96 93 94 102 94 80 90 90 90 98 1939: 99 93 89 90 100 98 87 86 88 98 1940: 100 93 90 94 102 104 98 89 93 98 1941: 105 102 105 114 106 119 131 108 115 105 1942: 117 120 126 145 124 136 178 139 147 120 1943: 124 135 135 175 130 137 190 161 179 133 1944: 126 132 103 173 139 139 194 162 182 140 1945: 129 135 134 183 146 141 201 169 192 145 1946: 140 155 165 207 160 164 260 196 218 159 1947: 160 189 213 249 186 200 296 238 256 186 1949: 170 189 204 229 190 198 272 218 232 194 1950: 172 189 210 228 188 208 313 224 238 198 1950: May: 169 186 202 6/22 185 193 283 218 230 198 1919: 170 192 205 6/25 185 193 283 218 230 198 1950: 175 193 224 238 189 209 296 248 265 202 1949: 170 192 205 6/25 185 193 283 218 230 198 1950: 172 189 210 228 188 208 313 224 238 198 1950: 170 192 205 6/25 185 193 283 218 230 198 1950: 175 193 224 238 189 230 363 234 249 200 8ept.: 175 193 224 238 199 233 230 363 234 249 200 8ept.: 175 193 224 238 199 233 230 363 234 249 200 8ept.: 175 193 224 238 190 223 371 237 253 203 0ct.: 176 193 221 5/239 194 235 386 242 257 206 196 21 184 213 237 256 207 1951: Jan:: 182 208 230 265 198 251 401 266 288 200 196 241 286 290 219 249 11 185 212 236 272 203 258 425 268 290 219 407: 185 212 236 260 204 256 415 266 288 200 196 241 285 249 200 266 250 196 241 238 247 266 288 200 196 241 238 249 200 266 250 196 241 236 266 288 200 196 241 266 288 200 196 241 266 288 200 196 241 266 288 200 196 241 266 288 200 196 241 266 288 200 196 241 266 288 200 196 241 266 288 200 199 240 256 250 266 266 266 266 266 266 266 266 266 26	1.929	: 1.22	128	126	136	115	127	167	138	138	1.21
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1936: 99 103 104 104 98 101 114 106 106 99 1937: 103 106 108 112 103 107 111 114 114 105 1938: 101 96 93 94 102 94 80 90 90 98 1939: 99 93 89 90 100 98 87 86 88 98 1940: 100 93 90 94 102 104 98 89 93 98 1941: 105 102 105 114 106 119 131 108 115 105 1942: 117 120 125 145 124 136 178 139 147 120 1943: 124 135 135 175 130 137 190 161 179 13 1944: 126 132 133 173 139 139 194 162 182 140 1945: 129 135 134 183 146 141 201 169 192 145 1946: 140 155 165 207 160 164 260 196 218 159 1947: 160 189 213 249 186 200 296 238 256 186 1948: 172 202 226 260 198 209 296 248 265 202 1949: 170 189 204 229 190 198 272 218 232 194 1950: 172 189 210 228 183 208 313 224 238 198 1950: May: 169 186 202 6/222 185 193 283 218 230 198 July: 172 197 217 6/234 184 201 310 232 245 199 Aug.: 175 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 223 194 235 193 230 363 234 250 204 Nov.: 176 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 224 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 257 425 266 288 220 May: 185 212 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 256 415 263 284 229 June: 185 212 237 266 204 256 415 263 284 229 June: 185 212 237 266 204 256 415 263 284 229 June: 185 212 237 266 204 256 415 263 284 229 June: 185 212 236 244 204 256 415 263 284 229 June: 185 212 237 266 204 256 415 263 284 229 June: 185 212 236 244 204 256 415 263 284 229	1935	: 98	7.02	106	99	97	100	109	104	101	99
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May : 169			•								
May : 169			789	210	228	788	208	313	Z.Z.Ly	238	1,48
June: 170 192 205 6/225 185 193 283 218 230 198 July: 172 197 217 6/234 184 201 310 232 245 199 Aug.: 173 194 221 6/235 186 211 343 234 249 200 Sept.: 175 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 221 6/239 194 235 386 242 257 206 Dec.: 179 200 226 250 196 241 383 247 266 207 1951: Jan.: 182 208 230 265 198 251 401 256 279 211 Feb.: 184 213 237 276 202 255 411 267 291 215 Mar.: 184 212 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 257 425 266 288 220 May: 185 212 237 266 204 256 415 263 284 219 June: 185 212 236 264 204 250 409 261 280 219					/ / sima			/ /		***	7.05
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July: 172 197 217 6/ 234 184 201 310 232 245 199 Aug.: 1'73 194 221 6/ 235 186 211 343 234 249 200 Sept.: 175 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 221 5/ 239 194 235 386 242 257 206 Dec.: 179 200 226 250 196 241 383 247 266 207 1951: Jan.: 182 208 230 265 198 251 401 256 279 211 Feb.: 184 213 237 276 202 255 411 267 291 215 Mar.: 184 212 236 272 2				205	0/ 225		•				
Sept.: 175 193 224 238 190 223 371 237 253 203 Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 221 5/239 194 235 386 242 257 206 Dec.: 179 200 226 250 196 241 383 247 266 207 1951: Jan.: 182 208 230 265 198 251 401 256 279 211 Feb.: 184 213 237 276 202 255 411 267 291 215 Mar.: 184 212 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 257 425 266 288 220 May: 185 212 236 264 204 256 415 </td <td>July</td> <td></td> <td></td> <td>217 .</td> <td>6/ 234</td> <td>•</td> <td></td> <td></td> <td></td> <td>-</td> <td></td>	July			217 .	6/ 234	•				-	
Oct.: 176 192 218 235 193 230 363 234 250 204 Nov.: 176 193 221 5/239 194 235 386 242 257 206 Dec.: 179 200 226 250 196 241 383 247 266 207 1951: Jan.: 182 208 230 265 198 251 401 256 279 211 Feb.: 184 213 237 276 202 255 411 267 291 215 Mar.: 184 212 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 257 425 266 288 220 May: 185 212 237 266 204 256 415 263 284 219 June: 185 212 236 264 204 250 409 <td< td=""><td>Aug.</td><td></td><td>194</td><td>221</td><td></td><td></td><td>21.1</td><td>343</td><td>234</td><td></td><td></td></td<>	Aug.		194	221			21.1	343	234		
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Dec.: 179 200 226 250 196 241 383 247 266 207 1951: Jan.: 182 208 230 265 198 251 401 256 279 211 Feb.: 184 213 237 276 202 255 411 267 291 215 Mar.: 184 212 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 257 425 266 288 220 May: 185 212 237 266 204 256 415 263 284 219 June: 185 212 236 264 204 250 409 261 280 219	Oct.	: 176	192	218	235	193	230	363	234	250	
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1951: Jan.: 182 208 230 265 198 251 401 256 279 211 Feb.: 184 213 237 276 202 255 411 267 291 215 Mar.: 184 212 236 272 203 258 425 268 290 219 Apr.: 185 210 235 269 204 257 425 266 288 220 May: 185 212 237 266 204 256 415 263 284 219 June: 185 212 236 264 204 250 409 261 280 219	Dec.	: 179	200	226	250	1.96	241	383		266	207
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June: 185 212 236 254 204 250 409 261 280 219						•					219
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THE PERSON OF THE POST OF THE PROPERTY OF THE	1/	Bureau of	Labor S	tatistic	e, "Cons	sumer Pri	ce Index	for Mode			

1/Bureau of Labor Statistics, "Consumer Price Index for Moderate-Income Families in Large Cities." 2/Calculated from data compiled for "Price Spreads Between Farmers and Consumers," Bureau of Agricultural Economics, 1949. 3/Calculated from data of the Bureau of Labor Statistics. 4/Cotton and wool prices weighted by production in 1935-39. 5/Based on figures published by the Crop Reporting Board. 6/Revised.

Table 8.- Indexes of consumer income and of hourly earnings in marketing, 1935-39 = 100

Year	Nonagri: cultural: income: payments:	per :	Hourly ea	rnings in ma : : Food : : processing: 4/ :	Food :	Cotton
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1942	217 242 250 255 279 304 308	161 188 201 195 191 218 236 240 259	119 121 134 135 154 168 184 203 223	127 140 149 154 173 197 213 223 233	122 131 141 149 171 195 213 226 236	139 152 162 176 213 253 282 287
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1951 Jan. Feb. Mar, Apr. May	<u>6</u> / 366	278 <u>6</u> / 2 79 <u>6</u> / 2 8 2 <u>6</u> / 283 282	224 235 237 243 244	248 248 249 250 250	247 248 249 250 252	318 318 <u>6</u> / 318 320 320

^{1/} United States Department of Commerce estimates. Adjusted for seasonal variation.

^{2/} Prepared in the Bureau of Agricultural Fconomics from data of the Bureau of Labor Statistics, not adjusted for seasonal variation. Relised series.

^{3/} Compiled from data published by the Interstate Commerce Commercial Commercial

^{4/} Bureau of Labor Statistics.

^{5/} Weighted composite of earnings in steam railways, food processing, wholesaling, and retailing,

^{6/} Revised.

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