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Selected Recent Research Publications in Agricultural Economics Issued by the Bureau of Agricultural Economics and Cooperatively by the State Colleges¹

ARMORE, SIDNEY J. THE DEMAND AND PRICE STRUCTURE FOR FOOD FATS AND OILS; WITH EMPHASIS ON ANALYSES DESIGNED TO MEASURE THE EFFECTS OF INCREASED YIELDS OF COTTONSEED OIL ON PRICES AND TOTAL RETURNS. U. S. Dept. Agr. Tech. Bull. 1068, 69 pp., illus. June 1953. (RMA)

Two types of demand exist for most fats and oils. One has to do with the minimum amounts or proportions that manufacturers believe must be used to give the standardized products they want. The other has to do with the remaining requirements for fats and oils. In the users market, shortening, margarine, cooking and salad oils, mayonnaise and salad dressings, lard, and butter compete with each other. But in the manufacture of these products, competition is almost wholly among food fats and oils other than butter and lard.

ASKEW, WILLIAM R., and BRENSIKE, V. JOHN. THE MIXED-FEEDS INDUSTRY. U. S. Dept. Agr. Market. Research Rpt. 38, 24 pp., illus. May 1953. (RMA)

This report is intended to bring together all the available data concerning the mixed-feeds industry which are essential to an overall analysis of marketing costs and efficiency in the industry.

BITTING, H. WAYNE. PRODUCE DEPARTMENT SPACE UTILIZATION, GROSS MARGINS, AND OPERATING COSTS IN SELECTED RETAIL STORES IN CHARLOTTE, N. C., JANUARY 22-MAY 19, 1951. U. S. Dept. Agr. Market Research Rpt. 36, 38 pp., illus. June 1953. (RMA contract report; Alderson and Sessions collected data.)

Stores doing the larger volume of business had roughly twice the dollar sales per square foot of floor space in the grocery and meat departments that the smaller stores had, but this did not hold true for fresh produce. In the smaller stores sales of fresh produce were high relative to sales of groceries and meat.

BOGUE, DONALD J., and BEALE, CALVIN L. ECONOMIC SUB-REGIONS OF THE UNITED STATES. U. S. Bur. Census - BAE. Ser. Census - BAE 19, 47 pp., illus. June 1953.

Economic subregions are a new kind of area for reporting and analyzing statistical data.

BURNIGHT, ROBERT G., MCKAIN, WALTER C., JR., and PUTNAM, PAUL L. REGULAR HIRED WORKERS ON COMMERCIAL DAIRY FARMS IN CONNECTICUT, APRIL 1950-APRIL 1952.

Conn. (Storrs) Agr. Expt. Sta. Bull. 267, 40 pp. January 1953.

Contains information about the composition of the labor force, conditions of employment, and factors related to labor turnover, obtained from 345 dairy farm operators with 20 or more dairy cows.

CRECINK, JOHN C., and BURDICK, R. T. FARM RENTAL ARRANGEMENTS, NORTHEASTERN COLORADO IRRIGATED AREA. Colo. Agr. Expt. Sta. Bull. 424-A, 53 pp., illus. March 1953.

Of the 201 tenants in this study, 148 paid a share of the crop only, 31 paid some cash in addition to a share of the crop, 18 paid both livestock-share and crop-share rent, and 4 paid only cash rent for their farms.

DWOSKIN, PHILIP B. MILK PRODUCTS: CONSUMER PURCHASE PRODUCTS AND USE, MEMPHIS, TENN. U. S. Dept. Agr. Market. Research Rpt. 39, 68 pp., illus. May 1953. (An RMA contract rpt.)

The report indicates that part of the decline in sales of fresh fluid milk in the Memphis market resulted from substitution of nonfat dry milk solids for fresh milk products, although other factors also operated to reduce sales of the fresh product. But many consumers have substituted the dry product for the fresh in cooking and baking and some have used it as a substitute for or a supplement to fresh milk for drinking.

ENGELMAN, GERALD, DOWELL, AUSTIN A., and OLSON, ROBERT E. RELATIVE ACCURACY OF PRICING BUTCHER HOGS ON FOOT AND BY CARCASS WEIGHT AND GRADE. Minn. Agr. Expt. Sta. Tech. Bull. 208, 51 pp., illus. June 1953. (RMA; BAE cooperating.)

Among other things, this bulletin compares the pricing accuracy of the live weight, the live weight and grade, and the carcass weight and grade methods of marketing butcher hogs.

FOLSOM, JOSIAH C., compiler. MIGRATORY AGRICULTURAL LABOR IN THE UNITED STATES. AN ANNOTATED BIBLIOGRAPHY OF SELECTED REFERENCES. U. S. Dept. Agr. Library. Library List 59, 64 pp. May 1953.

Lists principally publications concerning migratory agricultural workers who habitually follow crops and obtain farm work mainly by their own efforts.

FOOTE, RICHARD J. STATISTICAL ANALYSES RELATING TO THE FEED-LIVESTOCK ECONOMY. U. S. Dept. Agr. Tech. Bull. 1070, 41 pp., illus. June 1953. (RMA)

Four related analyses were developed which together describe the principal economic forces that affect the feed-livestock economy during the period when marketings of corn are heaviest. They indicate factors that affect (1) the price of corn from November to May; (2)

¹ Processed reports are indicated as such. All others are printed. State publications may be obtained from the issuing agencies of the respective States.

the number of animal units fed in the October to November marketing year; (3) production of livestock and livestock products; and (4) prices of livestock and livestock products.

FUHRIMAN, WALTER U., BLANCH, GEORGE T., and STEWART, CLYDE E. ECONOMIC ANALYSIS OF AGRICULTURAL POTENTIALS OF WEBER BASIN RECLAMATION PROJECT, UTAH. Utah Agr. Expt. Sta. Special Rpt. 7, 39 pp., illus. Logan. December 1952. (BAE cooperating.)

Describes the farm organization and the farm economy that are likely to develop if project water is made available, and estimates the probable return to water and project capital if water is applied to land within the project area.

GARROTT, WILLIAM N. MARKETING CHARGES FOR ONIONS SOLD IN PITTSBURGH, PA., DECEMBER 1949-JUNE 1950 AND IN CLEVELAND, OHIO, FEBRUARY-JUNE 1950. 20 pp., illus. Bur. Agr. Econ. June 1953. (RMA)

Retail charges for selling onions in sample stores in these two cities averaged nearly 3 cents a pound and accounted for between 35 and 40 percent of the consumer's dollar.

GARROTT, WILLIAM N. MARKETING CHARGES FOR SWEETPOTATOES SOLD IN PITTSBURGH, PA., DECEMBER 1949-JUNE 1950, AND IN CLEVELAND, OHIO, FEBRUARY-JUNE 1950. Bur. Agr. Econ. 31 pp., illus. 1953. (RMA)

Charges for marketing sweetpotatoes from f.o.b. shipping points in Louisiana and New Jersey in 1949-50 accounted for 45-48 percent of their price in retail stores in the two cities. In Pittsburgh, the retail margin averaged 3.1 cents a pound; in Cleveland 2.8 cents.

HOOFNAGLE, WILLIAM S., and SAMUELS, J. K. ACQUIRING CITRUS FRUIT FOR CONCENTRATING BY PROCESSORS IN FLORIDA. U. S. Farm Credit Admin. Misc. Rpt. 113, 15 pp., illus. May 1953. (RMA, BAE cooperating.)

Describes the various methods of paying for Florida citrus used for processing concentrated juices.

HURD, E. B., and BROUGH, O. L., JR. GROSS FARM INCOME IN THE WHEAT-PEA AREA OF WASHINGTON AND IDAHO, 1935 TO 1950. Wash. Agr. Expt. Sta. Cir. 213, 63 pp., illus. March 1953. (BAE cooperating.)

In addition to a historical analysis of gross farm income, this publication shows the relationship of gross farm income to those factors that affect farm income, such as size of farm, land use, crop yields, livestock numbers, and prices received by farmers.

IBACH, D. B. and MENDUM, S. W. DETERMINING PROFITABLE USE OF FERTILIZER. U. S.

Bur. Agr. Econ. F.M. 105, 70 pp., illus. June 1953. (Processed.)

Procedures are given to illustrate a way of handling the problems of (1) ascertaining the additional rates of application and (2) relating crop response to changes in prices and costs, thus finding the most profitable use of fertilizers over a wide range in economic conditions.

JOHNSON, DEHARD B. MARKETING CHARGES FOR GRAPEFRUIT SOLD IN PITTSBURGH, PA., AND CLEVELAND, OHIO, 1949-50 SEASON. 31 pp., illus. Bur. Agr. Econ. June 1953. (Processed.) (RMA)

During the period of the study, marketing charges accounted for 60 to 64 percent of the consumer's dollar spent for grapefruit in the two cities.

JOHNSON, DEHARD B. MARKETING CHARGES FOR LEMONS SOLD IN PITTSBURGH AND CLEVELAND, 1949-50 SEASON. 22 pp., illus. Bur. Agr. Econ. 1953. (RMA)

These marketing charges totaled \$8.67 a box and accounted for two-thirds of the average cost to consumers.

JOHNSON, GLENN L., and HAVER, CECIL B. DECISION-MAKING PRINCIPLES IN FARM MANAGEMENT. Ky. Agr. Expt. Sta. Bull. 593, 43 pp. January 1953.

Summarizes some of the decision-making principles that have been developed and illustrates the usefulness of such principles to farmers.

LANHAM, BEN T., JR., YEAGER, J. H., and ALVORD, BEN F. ALABAMA AGRICULTURE; ITS CHARACTERISTICS AND FARMING AREAS. Ala. Agr. Expt. Sta. Bull. 286, 118 pp., illus. May 1953. (BAE cooperating.)

Replaces earlier bulletin. Covers the significant changes that have occurred in the agriculture of the State since the early thirties.

MCELVEEN, JACKSON V., and BACHMAN, KENNETH L. LOW-PRODUCTION FARMS; THEIR LOCATION AND LEVELS OF PRODUCTIVITY. U. S. Dept. Agr. Agr. Inform. Bull. 108, 87 pp., illus. June 1953.

The two kinds of low-production farms—the small commercial farms and the part-time and residential units—are analyzed, with emphasis on the small commercial farms.

MARKET RESEARCH CORPORATION OF AMERICA. ESTABLISHING A NATIONAL CONSUMER PANEL FROM A PROBABILITY SAMPLE. U. S. Dept. Agr. Market Research Rpt. 40, 28 pp. June 1953. (RMA contract report.)

From a probability sample of 1,120 selected dwelling units in New York City, 993, or 88 percent, agreed to cooperate. Eleven percent were not contacted for a variety of reasons.

MOTHERAL, JOE R., METZLER, WILLIAM H., and
DUCOFF, LOUIS J. COTTON AND MANPOWER—
TEXAS HIGH PLAINS. Tex. Agr. Expt. Sta.
Bull. 762, 51 pp., illus. May 1953.

Analyzes the effects on manpower of the transition
from hand labor to use of machines in this area.

NADEN, KENNETH D., and JACKSON, GEORGE
A., JR. SOME ECONOMIC ASPECTS OF RETAIL-
ING CHICKEN MEAT. Calif. Agr. Expt. Sta.
Bull. 734, 129 pp., illus. 1953. (RMA, BAE
cooperating.)

More chicken meat could be sold in the Los Angeles
area if it were made easier for retailers to handle and
consumers to buy and if both groups could have more
confidence that they will get the quality they want.
Marketing losses could be reduced by faster turnover
and more careful handling.

PASCHAL, JAMES L. ECONOMIC ANALYSIS OF
ALFALFA YIELD RESPONSE TO PHOSPHATE FER-
TILIZER AT THREE LOCATIONS IN THE WEST.
U. S. Bur. Agr. Econ. F.M. 104, 59 pp.,
illus. June 1953. (Processed.)

Results indicate that for purposes of economic analy-
sis, rate experiments for alfalfa in irrigated areas
should include rates of 600 to 800 pounds of P_2O_5 per
acre, in most instances. No fewer than 4 and preferably
6 rates are suggested.

POULTRY MARKETING TECHNICAL COMMITTEE.
COMMERCIAL HATCHERY OPERATIONS IN SIX
SOUTHERN STATES. Southern Cooperative
Ser. Bull. 34, 42 pp., illus. July 1953.
(RMA; Agr. Expt. Stas. of Ala., Ark., Ga.,
La., Miss., S. C., Tenn., Tex., & Va. and
BAE cooperating.)

Discusses the growth and development of the hatchery
industry; its size and capacity; where it gets its eggs;
price differentials between hatching and market eggs;
and costs of producing market eggs.

PURCELL, MARGARET R. LENGTH OF HAUL TO
LEADING MARKETS BY MOTORTRUCK, 1941
AND 1950. SELECTED FRUITS AND VEGE-
TABLES. 62 pp. Bur. Agr. Econ. June
1953. (RMA) (Processed.)

Although many factors apparently favor long-distance
movement of fresh produce by highway, truck hauls of
many fruits and vegetables are relatively short, the
average length of haul for 10 fruits and vegetables
varying from 200 to 500 miles. Because hauls are short,
the proportion of total truck receipts moved to market
from distant supply points is relatively small.

REED, ROBERT H., and CREEK, C. RICHARD.
FAMILY CONSUMPTION OF CERTAIN FRESH
VEGETABLES IN HONOLULU. Hawaii Agr.
Expt. Sta. Agr. Econ. Bull. 5, 22 pp., illus.
June 1953. (BAE cooperating; RMA)

Family consumption of all vegetables, except head
cabbage, increased as family incomes increased; it in-
creased as size of family increased; and it varied among
racial groups.

REUSS, LAWRENCE A., and BLANCH, GEORGE T.
UTAH'S LAND RESOURCES. Utah Agr. Expt.
Sta. Special Rpt. 4, 66 pp., illus. June 1951.
(BAE cooperating.)

Contains information concerning the extent, location
and character of Utah's land resources: Who owns the
land; how it is used; what have been the trends in land
use, ownership and development of resources; and what
is the outlook for the future.

SIMON, MARTIN S. SOYBEANS: ECONOMIC AN-
ALYSES RELATING TO PROCESSING. U. S.
Dept. Agr. Market. Research Rpt. 35, 46
pp., illus. May 1953. (RMA)

Analyses were developed to consider: (1) The factors
that affect prices of fats and oils, other than butter and
lard, used in food products; and (2) the effect of changes
in the value of products obtained per bushel of soybeans
processed on the season-average price of soybeans.

STRAND, EDWIN G. FARMING ALTERNATIVES
FOR POTATO GROWERS ON THE EASTERN SHORE
(VIRGINIA-MARYLAND). U. S. Dept. Agr.
Agr. Inform. Bull. 102. 95 pp., illus. June
1953. (RMA)

In the last 20 years production of early commercial
potatoes on the Eastern Shore declined by about half
while in the country as a whole it approximately doubled.

STRICKLER, PAUL E., and COOPER, MARTIN R.
HARVESTING HAY AND STRAW AND USE OF
BALERS. U. S. Bur. Agr. Econ. F.M. 107,
30 pp. June 1953. (Processed.)

Contains historical information on methods of har-
vesting hay as well as descriptions of newer machines
and methods.

TEMPLE, FREDERICK C. COTTON AND COTTON-
SEED MARKETING. RELATED PRODUCTION PRAC-
TICES AMONG NEGRO FARMERS IN RED RIVER
DELTA AREA OF LOUISIANA, 1951 SEASON.
Bur. Agr. Econ. 55 pp., illus. June 1953
(RMA contract report.) (Processed.)

It was believed that by appraising the existing mar-
keting functions of transportation, ginning, storing, and
selling, recommendations might be developed that would
improve marketing practices for these products which
in turn should make possible an increase in net farm
income.

UNITED STATES BUREAU OF AGRICULTURAL
ECONOMICS. CROP PRODUCTION PRACTICES.
LABOR, POWER, AND MATERIALS, BY OPERATION.
APPALACHIAN, SOUTHEAST, AND MISSISSIPPI
DELTA. U. S. Bur. Agr. Econ. F.M. 92, sec.
3, 193 pp., illus. May 1953. (Processed.)
The information presented for each of 16 crops in each

type-of farming area was obtained from approximately 30 to 90 farmers through personal interviews.

UNITED STATES BUREAU OF AGRICULTURAL ECONOMICS. FIBERS: OPINIONS AND PRACTICES AMONG MANUFACTURERS OF CORDAGE AND TWINE. U. S. Dept. Agr. Market. Research Rpt. 51, 98 pp. June 1953. (RMA contract report.)

Sisalana, cotton, lint and waste, and abaca account for almost three-fourths of the total number of pounds of fibers used in making cordage products. Farm ropes and twines, industrial cords and twines, household twines, and marine cordage account for varying proportions of all fibers used.

UNITED STATES BUREAU OF AGRICULTURAL ECONOMICS. TASTE TESTS ON CANNED ORANGE JUICES. 20 pp., illus. Washington, D. C. June 1953. (RMA) (Processed.)

Tests showed that 4 of a set of 55 canned orange juices could be distinguished as to sweet-sour quality.

UNITED STATES BUREAU OF AGRICULTURAL ECONOMICS AND FARM CREDIT ADMINISTRATION. BUYER PREFERENCE FOR CRANBERRY PACKAGING IN BOSTON AND TOPEKA. U. S. Dept. Agr. Market. Research Rpt. 34, 14 pp. May 1953. (RMA)

The study was made to find out whether consumers prefer to buy cranberries in 1-pound cellophane bags or in 1-pound boxes with windows. Results—consumers, free to choose either type of package, bought 3 cellophane bags to every window-box.

WOODWORTH, R. C., and BENEKE, R. R. ELECTRICITY IN FARM PRODUCTION, EASTERN LIVESTOCK AREA OF IOWA. U. S. Dept. Agr. Inform. Bull. 100, 51 pp., illus. May 1953. (Iowa Agr. Expt. Sta. cooperating.)

Electricity in this area replaces labor; permits the use of family, elderly, or partially handicapped workers; saves energy; improves the distribution of labor; aids in timing of production for both crops and livestock; reduces the risk inherent in farming; improves the quality of the products sold; and increases farm output.

Statistical Compilations

BRODELL, ALBERT P., and WALKER, HAROLD R. HARVESTING CORN FOR GRAIN. U. S. Dept. Agr. Statis. Bull. 129, 10 pp. June 1953.

BRODELL, ALBERT P., and KUZELKA, THOMAS J. HARVESTING THE SILAGE CROPS. U. S. Dept. Agr. Statis. Bull. 128, 23 pp. May 1953.

HOLMES, IRVIN, HARRELL, GEORGE D., STRONG, GEORGE B., MCKEEVER, LUCILE, and State statisticians, under the supervision of REGINALD ROYSTON. COMMERCIAL VEGETABLES FOR FRESH MARKET—ACREAGE, PRODUCTION, VALUE. REVISED ESTIMATES, 1939-50, BY SEASONAL GROUPS AND STATES. U. S. Dept. Agr. Statis. Bull. 126, 149 pp. May 1953.

HOLMES, IRVIN, HALL, THORLAND R., FROST, OAKLEY M., and State statisticians, under the direction of REGINALD ROYSTON. VEGETABLES FOR COMMERCIAL PROCESSING—ACREAGE, PRODUCTION, VALUE. REVISED ESTIMATES, 1918-50, BY STATES. U. S. Dept. Agr. Statis. Bull. 132, 108 pp. June 1953.

KIMBALL, E. SMITH, SMITH, PAUL W., and MOORE, ROBERT F., with the assistance of State Agricultural Statisticians, under the general direction of A. V. NORDQUIST. CHICKENS AND EGGS. MONTHLY EGG PRODUCTION, YOUNG CHICKENS AND LAYERS ON FARMS, AND RATE OF LAY, BY STATES AND GEOGRAPHIC DIVISIONS, 1925-44. REVISED ESTIMATES. U. S. Dept. Agr. Statis. Bull. 125, 127 pp. May 1953.

KIMBALL, E. SMITH, SMITH, PAUL W., and MOORE, ROBERT F. FARM PRODUCTION, DISPOSITION, AND INCOME FROM CHICKENS AND EGGS, 1909-44, BY STATES AND GEOGRAPHIC DIVISIONS. REVISED ESTIMATES. U. S. Dept. Agr. Statis. Bull. 133, 98 pp. July 1953.

KIMBALL, E. SMITH, SMITH, PAUL W., MOORE, ROBERT F., and State statisticians, under the general direction of A. V. NORDQUIST. FARM PRODUCTION, DISPOSITION, AND INCOME FROM TURKEYS: 1929-44, BY STATES AND GEOGRAPHIC DIVISIONS. REVISED ESTIMATES. 59 pp. Bur. Agr. Econ. June 1953. (Processed.)

LOWENSTEIN, FRANK. THE AMERICAN-EGYPTIAN COTTON SITUATION. U. S. Dept. Agr. Statis. Bull. 130, 38 pp. May 1953.

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