Appendix D: NAL Subject Category Codes
Category Codes (1972)

General Agriculture & Rural Sociology

0505 General agriculture and rural sociology


Education: teaching, extension, demonstration, and advisory work. Short courses, correspondence courses, schools—all levels. TV, radio, and agricultural journalism.

General proceedings, annual reports and acts of agricultural institutions, societies, cooperative associations, and chambers of agriculture. Specific kinds of cooperative associations go with subject.

Techniques and methods of agricultural research.

Agricultural meteorology and climate in general.

Any of above go with a specific subject category as appropriate.

Human ecology, social psychology, social effects, social institutions. Rural organization and movements, leadership, farmer political power. Health, welfare, etc., affecting family life. Rural-urban relations. Population migration to urban areas. Social aspects of migratory and contract labor, women as laborers, sharecroppers, etc. Cost and standard of living.

For home demonstrations and home economics see 1515.

Includes any agricultural item too general for other categories.

Agricultural Economics

1005 General agricultural economics and land economics

General description of U.S. and world agricultural economies. Agriculture and industry - economic relations. Economic associations, history, education, biographies, etc.

Land settlement and colonization, rent, valuation. Land classification, utilization, multiple use. Recreational use of farm land, shifting cultivation, conversion of land to non-agricultural uses, rural-urban fringe, land zoning. Tenure, farm mergers, consolidation of holdings. Land or agrarian reform. Regional planning involving land only.

For location theory see 1030.

For forest land use see 3510.

1010 Agricultural administration and management

Organization and administration of national and international
agriculture in general; public relations, personnel on local, regional, central, public, governmental, non-governmental, international levels.

Farm management: operation of farms to obtain maximum amount of continuous net income. Alternative systems of farming, budgeting, accounting, cost and return planning, input-output analysis, programs of adjustment, integration, etc.

Collective farming, state farms, contract farming, cooperative farming, corporation farming, part-time farming, share farming, tenant farming, etc.

Machine tractor stations, repair and technical stations not including purely sociological or technical aspects.

Labor: requirements and productivity. Economic aspects of migratory and contract labor, women as laborers, share-croppers, unions, etc.

Agribusiness, vertical and horizontal integration of farming. Not to include labor and management problems of processing industry unless it is part of agribusiness.

For forest management see 3510.

For actual costs and returns see 1015.

1015 Agricultural production costs and returns

General agricultural finance. Cost factors: land, capital, materials, labor (wages, incentives, bonuses), overhead; credit and interest rates; taxes; insurance: fire, accident, unemployment, social security, health, etc. Pesticides, fertilizer and agricultural equipment costs as they relate to agricultural production (otherwise in 4560, 6010, and 5510).

Selling, processing, and distribution costs; farm income; return on farm investment.

Farm losses from the economic aspect. Not to include processing industries costs and returns unless they are part of agribusiness.

For forestry costs and returns see 3510.

For cost and return planning see 1010.

1020 Agricultural production distribution (farm products)

Supply and demand, including affecting factors as consumer preferences, consumer purchasing power, etc.

Prices: determination, control, cycles, fluctuations, inflation, indexes, trends, etc. Price support programs and subsidies. Domestic trade, marketing, transportation, advertising; foreign trade, import quotas, commodity agreements; surplus disposal.

For marketing cost and return material as a part of agribusiness or farmer operations see 1015.
For forest products see 3520.

For fertilizers as a product see 6010.

For pesticides as a product see 4560.

For farm equipment as a product see 5510.

1025 Statistical data and methodology

Discussions of agricultural statistics. Statistical methods and theory as applied to agriculture, in general; as applied to specific subjects; place in that subject category: e.g., statistical methods of plant genetics in 4025.

Includes compilation of statistical data on crops, livestock, products, acreage and area, etc., that would support management and policy decisions.

For forestry statistics see 3510.

1030 Outlook, policies, program and legislation

Productive capacity of agriculture. Population and food supply problem and programs. Control of production, production goals, surplus situation.

Agricultural relief and reconstruction, foreign aid, and technical assistance programs.

Soil bank program, agricultural conservation programs, rural development subsidies.

Situation and outlook of agricultural industries (rubber, coffee, poultry, etc.) from an economic point of view. Large scale planning, location theory.

General and specific agricultural legislation; all legislation is here, but may be double indexed to the specific subject category.

Consumer Protection and Nutrition

1505 Consumer protection

Consumer oriented research on food and textiles and on other agricultural products through the processing stages, not on the manufactured product (e.g., cigarettes).

Agricultural products: grading, inspection, regulation, standardization, quality control. Purity, contamination, adulteration, decontamination, residues, food poisoning, spoilage, fraud from the point of view of the consumer.

Includes equipment for grading and inspection of food.

Includes contamination of fish as food.

Any of the above aspects concerning feed are in 2035.

For pesticide contamination double index to 4560.
For other aspects of agricultural products see categories 2005-2030.

For other aspects of food research see 1510.

1510 Human nutrition

Metabolism and utilization of nutrients. Nutrient requirements. Relation of nutrition to physiology.

Food: nutritive value, vitamin research. Food consumption (diet), food habits, and fads, etc. Home and institutional cookery.

Nutritional deficiencies, malnutrition, human diet in relation to health and disease.

Includes nutrition research on laboratory animals.

For livestock nutrition research see 2515.

1515 Home economics

Clothing and textiles, home furnishings and decoration, household accounts, household equipment; both rural and urban. Family living and management practices. Home demonstrations.

For family and community relationships see 0505.

Agricultural Products

2005 Agricultural products - general

General material relating to more than one category of products and specific products which fall in no other groups (e.g., beverages, condiments, honey and beeswax, rubber, silk, bamboo, hops, fish as food, beer or margarine when ingredients are not mentioned, etc.).

Industrial utilization. Chemurgy. Analysis and composition. Processing: preparation methods such as pasteurizing, curing, canning, dehydrating, freeze-drying, freezing, preserving, irradiation, etc. Home and industrial processing.

Care, storage, refrigeration, and sanitation procedures for food and non-food agricultural products. Rodent control measures. Biochemistry of stored products.

For insect pests see 4550.

For effect of sanitation procedures on humans see 1505.

For cookery see 1510.

For storage diseases and plant products see categories 4505-4520.

2010 Dairy products

Same as 2005, except 1st paragraph
<table>
<thead>
<tr>
<th>Year</th>
<th>Product Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Livestock products</td>
<td>Same as 2005, except 1st paragraph</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes slaughtering.</td>
</tr>
<tr>
<td>2020</td>
<td>Poultry products</td>
<td>Same as 2005, except 1st paragraph</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For eggs for hatching see 2520.</td>
</tr>
<tr>
<td>2025</td>
<td>Field crop products</td>
<td>Same as 2005, except 1st paragraph</td>
</tr>
<tr>
<td>2030</td>
<td>Horticultural products</td>
<td>Same as 2005, except 1st paragraph</td>
</tr>
<tr>
<td>2035</td>
<td>Feed products</td>
<td>Same as 2005, except 1st paragraph</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes silage, hay, meals, fodder, fish as feed, etc.</td>
</tr>
</tbody>
</table>

Includes all aspects of consumer protection 1505 as it applies to feed.

For effect of feed on animal see 2515.

**Animal Science**

2505 General and miscellaneous animal husbandry

Includes cattle, buffalos, camels, yaks, llamas, reindeer, horses, mules, sheep, goats, swine; poultry: chickens, turkeys, ducks, and geese; dogs, cats, rabbits, laboratory animals, fur animals, pen raised; fish culture as part of farm operations, not fish hatcheries.

Production and care of domestic animals. Rearing, judging, testing, training, housing; branding and other identification; livestock shows; sexing, predators of livestock.

For construction of animal housing see 5505.

For animal breeding, artificial insemination, etc. see 2520.

2510 Livestock biology

Biology, anatomy, cytology, histology, morphology including teratology, physiology including metabolism, biochemistry, ecology, behavior, paleontology. Environmental biology, external influences on biological processes. Biology of rumen microorganisms.

For external influences with harmful effects see 3020.

For biological aspects of diseased animals see the appropriate disease category.

For biological aspects of reproduction see 2520.

Includes physiology of nutrition and effect of rumen microorganisms and other digestive tract organisms on nutrition.
2515  Livestock feeding

Feeds and animal nutrition; nutritive value of feeds, feed formulas, feedlots, feed supplements; effects of feeding.

For biological effects of feeding see also 2510.

2520  Livestock breeding

Breeds, types, varieties; fertility (which is often mentioned as "reproduction"), sterility, artificial insemination, genetics, pedigrees; parturition, egg hatching, predetermination of sex, sex reversal, twinning. Estrus; pregnancy; semen; effects of breeding; physiology of reproduction.

Veterinary Medicine

3005  Veterinary medicine

General; as a profession, societies, education; dehorning, castration, surgery, anaesthesia; diagnostic techniques; animal quarantine, health problems, sanitation inspection of farm and slaughterhouse.

Any of the above on with a specific subject category as appropriate.

General articles on animal diseases go here.

3010  Infectious and parasitic diseases

Contagious diseases: bacteria, viruses, fungi (mycoses), Rickettsia, Mycoplasma, pleuropneumonia-like organisms, protozoa; Parasitic diseases: parasitic worms, such as trematodes, nematodes, helminths, flukes, etc. Vaccines, immunization, immunogenicity, antigens, antibodies; causes, control, diagnosis, prevention, transmission, treatment.

Double index insect vectors to 4555.

3015  Non Infectious diseases

Physiological, metabolic, nutritional (deficiency diseases), hereditary; neoplasms: causes, control, diagnosis, prevention, treatment, allergy.

For nutritional deficiencies see also 2515.

3020  Miscellaneous diseases and injuries

Diseases and injuries caused by physical agents (including radiation), chemical agents, toxic substances, pesticides, poisonous plants, foreign bodies, vices (cannibalism, tail biting, feather picking, etc.), etc.

For effects of environmental stress see also 2510.
Forestry

3505 Forestry - general

Associations, history, education, social and economic aspects of forestry as a whole. Techniques and methods of forestry research. Specific research goes with subject.

Forest influences: effects upon water supply, soil, climate, and health resulting from the presence of forests. Includes shelterbelts and windbreaks. Watershed management.

Forest fire research: prevention and control.

Injuries caused by man, animals, weather; pollution. Includes methods of prevention and control: natural and biological, silvicultural, physical and mechanical, chemical.

For nematodes as pests and other diseases of forest trees (except injuries) see 4505-4520.

For weeds and parasitic plants of forest trees see 4525.

For insect pests of forest trees see 4545.

3510 Forest economics and management

Business economics of forestry both domestic and foreign. Administration and organization of forest enterprises. Forest finance, valuation, and statistics. Land-use policy, including multiple use for maximum efficiency, management of recreational resources on forest lands, such as parks; includes taxation, regulation and legislation, cost and return aspects, consolidation of holding, ownership, labor.

National forest resources, experimental forests, private forests, farm woodlands. Forest engineering. Forest conservation.

Forest mensuration: systems and units of measurement of trees, stands, timber; increment and yield tables. Site index and site quality. Surveying and mapping; aerial surveys; photogrammetry.

3515 Silviculture

Care of forest trees. Silvicultural systems, artificial regeneration, breeding and genetics, seed productions. Timber stand improvement, minor forest husbandry including Christmas trees and forest nurseries. Prescribed burning, killing, afforestation and reforestation.

For study of forest soils see 6005.

For forest fertilizers see 6010.

For forest drainage and irrigation see 6020.

For taxonomy, ecology, morphology, anatomy (except wood anatomy see 3520), and cytology of forest trees see 4010-4020.

For physiology and biochemistry of forest trees see 4045.
For range management see 4050.
For silvicultural equipment see 5510.

3520 Forest industries

Harvesting, logging, transportation, sawmills, and equipment. Primary and secondary processing. Timber manufacturing industries and products, pulp and paper industries, bark products, Christmas trees, and other minor forest products. Logging residues. Veneers, plywood, and built-up-stock, chemical products and distillates, naval stores. Honeycomb cores, sandwich construction materials, plastic laminates, joints and fastenings; general utilization. Grading, seasoning, control of decay (wood rotting fungi), preservation and treatment, painting and fireproofing.

Trade, marketing, prices.

Wood technology: research studies on wood in all its aspects. Identification and characteristics, structure and chemistry, mechanical and physical properties. Cellulose and lignin research whether wood product or general.

For insect pests of forest products see 4545.

For pulp from grasses, bagasse, castor bean, bamboo, etc., see 2005.

Plant Science

4005 General plant science

Associations, history, education; introduction of plants; arboretums, herbariums, botanical gardens, notable trees; techniques and methods of botanical research. Specific research goes with subject. Ethnobotany; botanical explorations; conservation of plants.

Any of the above go with a specific subject category as appropriate.

4010 Plant taxonomy and geography


4015 Plant ecology

Interrelationships of plants with their environment. Includes forest ecology (forest types), indicator plants, plant associations, vegetation.

For environmental biology see 4030-4045.

4020 Plant morphology, anatomy and cytology
Includes histology, teratology, ultrastructure.
Includes forest trees.
For anatomy of wood see 3520.

4025 Plant genetics and breeding
Includes cytogenetics. Breeding for disease resistance; breeding for insect resistance. Double index breeding for disease or insect resistance.
For forest tree genetics and breeding see 3515.
For physiology of plant reproduction see 4030-4045.

4030 Plant physiology and biochemistry - general
Growth and growth regulators. Nutrition and nutritional deficiencies. Pollination, metabolism, transpiration, etc. Physiological effect of environmental factors; hardiness, etc. Tissue culture.
Includes miscellaneous economic plants. (For list see 4060)
Includes any plants of unknown use.
General material relating to more than one category of crops. For deficiency diseases see 4520.

4035 Physiology and biochemistry of field crops
Same as 4030
For list of plants see 4050.

4040 Physiology and biochemistry of horticultural crops
Same as 4030
For list of plants see 4055.

4045 Physiology and biochemistry of forest trees
Same as 4030.

4050 Field crops - culture (from planting to harvesting)
Agronomy; varieties, and yields. Crop rotation. Management of ranges, pastures and meadows, grazing practices. Defoliants as harvesting aid.
Grain crops, forage crops, grasses, edible oil crops, cotton and other fiber crops, sugar crops, tobacco, peanuts, soybeans and other field crops.
A number of crops can be placed here or in horticultural crops depending on their use: e.g., broadbeans, olives, coconuts, turnips, beets, etc.

Grazing practices and range management may be double indexed to 2515.

4055 Horticultural crops - culture (from planting to harvesting)


Citrus, tropical, subtropical, deciduous, and small fruits; nut crops; vegetable crops; root and tuber crops (includes cassava). Shade trees and ornamental plants. Turf and golf greens, roadside plantings.

Includes harvesting of wild berries, nuts, mushrooms etc.

4060 Miscellaneous economic plants - culture (from planting to harvesting)

Varieties and yields.

Beverage plants, flavoring, essential oil, hops, bamboo, rubber plants, pigment, tannin, tung oil and other industrial oil plants, drug plants, divinatory plants, plant sources of insecticides, honey plants, etc.

There is no general category for culture so if more than one crop category is mentioned the item is assigned to the most important category or each crop is indexed.

Plant Diseases, Insect Pests, and Control

4505 Plant fungus diseases and control

Includes diseases in storage.

Includes forest trees.

Double index when insect vector is known.

For wood rotting fungi see 3520.

4510 Plant bacterial diseases and control

Includes diseases in storage.

Includes forest trees.

Double index when insect vector is known.

4515 Plant virus diseases and control

Includes diseases in storage.

Includes forest trees.

Includes mycoplasmas.
Double index when insect vector is known.

4520 Miscellaneous plant diseases, injuries and control

Nematodes (includes nematodes of forest trees), physiological diseases, deficiency diseases; injuries caused by weather and equipment; plant protection, including irrigation and wind machines; plant quarantine; animal pests (other than insect) of plants; pesticide toxicity to plants; radioactive contamination of plants; nematicides, rodenticides, mollusccides, and other agents used in control. General material on all diseases and pests of a plant or plants.

For free-living soil nematodes see 6005.

For injuries of forest trees see 3505.

Pollution damage may be double indexed to 6505.

Includes items covering more than one disease category.

4525 Weeds and weed control

Occurrence and distribution of weeds.

Weed control: chemical, cultural, and biological. Parasitic and poisonous plants.

For effect of poisonous plants on animals see 3020.

For physiological effect of herbicides see also 4032-4045.

For toxic effects of herbicides on organisms other than weeds see appropriate specific categories and double index as needed.

4530 Insect pests and control - general, and miscellaneous plants

General items where the name of the host is not given and also where the host is any plant not covered in categories 4535 (field crops), 4540 (horticultural crops), or 4545 (forest trees and products). Includes items covering more than one crop category.

Insects as pests and their control: biological, chemical, cultural, integrated, natural, etc. Insect resistance to insecticides; toxicity of pesticides to insect pests; insecticides, acaricides, chemosterilant, attractants, repellents, hormones, and radiation sterilization; insects as vectors of diseases; host resistance.

Plant quarantine regulations covering insects only, otherwise in 4520.

See also 4535, 4540, 4545.

For physiology of insect pests see also general entomology 5005. For equipment for pest control see 5510.
Insect pests and control - field crops

For partial list of field crop types see 4050. Otherwise as 4530.

Insect pests and control - horticultural crops

For partial list of horticultural crop types see 4055. Otherwise as 4530.

Insect pests and control - forest trees and wood products see 4530.

Insect pests and control - products

Pests attacking stored products and processed commodities, in the household, industry, warehouses, and on the farm, including control by any means.

See 4530.

For insect pests of forest products see 4545.

Insect pests and control - animal and man

Pests attacking man, domestic animals, birds, and wildlife, including control by any means.

See 4530.

Double index insects as vectors of disease to the disease if livestock are involved.

Pesticides - general

General items on pesticides which cover more than one specific group of pesticides and items which mention a pesticide or pesticides but no specific host or insect.

Industry, technology, prices.

Toxicity and harmful side effects to man, birds, wildlife, fish, beneficial insects.

Double index toxicity to honey bees to 5015.

Residues and tests for residues. Double index residues in food to 1505, in feed to 2035.

For toxicity ad harmful effect to insect pests see 4530-4555.

For toxicity and harmful effect to livestock see 3020.

For toxicity and harmful effect to plants see 4520.

If a pesticide is not in a 4505-4555 or 3020 category it is placed here and double indexed as needed.

Entomology
5005  General entomology

Biology, anatomy, cytology, histology, morphology including teratology, genetics, physiology including metabolism, biochemistry, ecology. General pathology. Insect other than honey bees as pollinators. Articles on pollination may be double indexed to plant physiology categories 4030-4045. Paleoentomology.

Includes: Insecta, Myriopoda, (Diplopoda, Pauropoda, Chilopoda, Symphyla), Arachnida, Isopoda (terrestrial only), and Onychophora.

5010  Taxonomic entomology

Systematic arrangement of insects into a system which exhibits their relationship to each other and their places in a natural classification. Includes descriptive and geographic entomology.

5015  Apiculture and sericulture

Honey bee culture, breeding, biology, pests, and pathology; honey bees as pollinators. Includes Apis mellifera (or mellifica), A. dorsata, A. florea, A. indica, A. mellifera adansonii (African bee), etc.

For products of the hive see 2005.

Silkworm culture, breeding, biology, and pathology. Includes Bombyx mori, Anthereae pernyi, Samia cynthia ricini, etc.

For silk see 2005.

Includes beekeeping and silkworm culture equipment.

Agricultural Engineering

5505  Agricultural engineering and farm structures

General articles on agricultural engineering: associations, history, education, biographies, etc.

Structures: design and construction of structures such as farmhouses, utility buildings, including barns, silos, sheds, greenhouses, plastic structures, and others. Foundations, maintenance. Farm beautification. Drainage and irrigation structures. Water supply systems. Sewage and waste disposal systems. Walls and fences. Structural equipment, materials, and supplies. Excavation and earth moving equipment, hoisting and conveying equipment.

Safety engineering: fire fighting equipment, fire-detection equipment, accident prevention, safety devices.

For forest fire-fighting equipment see 3505.

Power sources: electrical, electronic, sonic, solar, gas, water, wind, thermal, mechanical. Capacitors, batteries, nuclear power conversion. Rural electrification, public utilities, heating, lighting, power plant, telephones. Electrical and electronic
For use of wind machines in frost protection see 4520.

5510 Farm equipment

Machines and machine elements for field preparation, planting, fertilizing, cultivation, harvesting, loading, transportation, related handling and storage, including container and packaging equipment and other processing equipment used on the farm. Pest and disease control equipment, including sprayers and dusters. Livestock and dairy equipment. Special purpose equipment and tractors, accessories, etc. Mechanical engineering. Drainage and irrigation equipment.

Includes repair and maintenance.

For logging equipment see 3520.

For beekeeping equipment see 5015.

For equipment for processing farm products see 2005-2035.

For laboratory or research equipment see the specific subject category.

Soil and Water Resources Management

6005 Soil Science

Soil physics: soil mechanics; physical properties of soil, structure, porosity, moisture, aeration, temperature, etc.

Soil chemistry and mineralogy: electrolytes, clay minerals, base and anion exchange, chemical composition, fixation of phosphorus, potassium, etc. Nitrogen, sulfur, and other elements from precipitation; chelates, frits. Leaching, soil testing. Saline soils, salts in soils, hydrogen-ion concentration.

Soil biology: soil fauna, including bacteria, fungi, protozoa, and nematodes. Microbiological activity; decomposition of organic matter. Enzymes, nitrification, denitrification, ammonification, nitrogen fixation, legume inoculation, nitrogen fixing bacteria: Rhizobium, Azotobacter, etc. when not related to plant physiology. Soil-plant-animal relationships.

Soil classification and surveys: genesis, formation, intrinsic properties. Systematic grouping of soils into categories by constituents of types. Soil surveys and mapping.

Includes forest soils.

For soil borne pathogens see the specific disease category.

For pesticides in soils see 4560.

6010 Soil improvement materials
Organic and inorganic materials applied to soil and water to provide plant nutrients and to increase growth and yields. Chemical fertilizers: nitrogen, phosphorus, and potassium; macronutrient and micronutrient element materials. Bacterial fertilizers, including azotobacterin and phosphorobacterin. Manures and composts. Soil conditioners and amendments; green manures and cover crops. Industrial waste as fertilizers, sewage, sludge. Foliar diagnosis and placement methods for fertilizers.

Fertilizer industry, technology, statistics, prices and trade.

Includes forest fertilizing.

Includes tables of yields. Sewage or waste water irrigation goes here or in 6020 accord to main use.

For effect of fertilizer on plant growth and development see 4030-4045.

For mulches see 6015.

6015 Soil resources and management

Soil as a natural and an economic resource. Preservation of soil resources and conservation in general; maintenance and improvement of fertility and productivity of soils. Protective measures and technical practices designed to prevent or reduce soil erosion and soil depletion; land reclamation, terracing, contouring, polders, tillage, fallowing, mulching, dry farming.

For soil pollution see 6505.

6020 Water resources and management


Includes forest irrigation and drainage.

For drainage, irrigation and flood control equipment see 5510. For drainage, irrigation and flood control structures see 5505.

For water pollution see 6505.

General Natural Resources and Environmental Pollution

6505 General natural resources and Environmental Pollution

General natural resources, too broad for 6015 or 6020. General recreational use.

Animal wastes, sediment, plant nutrients, inorganic salts and minerals, forest and crop residues, agricultural processing wastes, smokes, dusts, other air pollutants, eutrophication.

All pollution goes here—not in 6015 or 6020.
For utilization or recycling of agricultural wastes or residues see specific subject category or double index.

For pesticides pollution see 4560 or double index.

Auxiliary Categories
7005  Life Sciences
7505  Physical sciences and mathematics
8005  Chemistry
8505  Technology
9005  Economics and administration
9505  Social sciences and humanities
9705  Information science
### 1970-1971 Category Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>05</td>
<td>Agriculture (general)</td>
</tr>
<tr>
<td>10</td>
<td>Agricultural economics and rural sociology</td>
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<tr>
<td>15</td>
<td>Agricultural products (economics and technology)</td>
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<tr>
<td>20</td>
<td>Animal sciences</td>
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<td>25</td>
<td>Chemistry</td>
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<td>30</td>
<td>Engineering</td>
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<td>35</td>
<td>Entomology</td>
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<td>40</td>
<td>Food, human nutrition, and home economics</td>
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<td>45</td>
<td>Forestry</td>
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<td>50</td>
<td>Life sciences (general)</td>
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<td>Natural resources (general)</td>
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<td>Physical sciences (general)</td>
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<td>Plant science</td>
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<td>Soils and fertilizers</td>
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<td>85</td>
<td>Water resources</td>
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<td>90</td>
<td>Reference materials</td>
</tr>
</tbody>
</table>
PNIC Category Codes

1505 Consumer Education
  Consumer Economics, Consumer Protection, Open Dating of Food

1510 Nutritional Science and Nutrition Education
  Diets, food analysis, food and/or nutrition related diseases or disorders, food habits, food science, health, malnutrition, nutritional surveys, general works on nutrition education.

1520 History
  Historical works tracing the history of food programs, general works on foods and the food service industry, food problems.

1525 Food Standards and Legislation
  Food grades, food standards, labeling, food and nutrition related legislation

1530 Management and Administration
  Administration, Computer applications, Contracts, Financial management, Food Service management, Personnel Management, Marketing, Food Preference Surveys, Public Relations.

1535 Education and Training

1540 Menu Planning
  Cycle Menu, Menu Design, Meal Management, Automated Menu Planning

1545 Food Preparation and Production
  Quantity Food Preparation, Food Delivery Systems, Weights and Measures, Merchandising.

1550 Equipment

1555 Sanitation and Safety
  Food Sanitation, Equipment Sanitation, Pest control, Hygiene, Safety, Accident Prevention, Food Borne Illness

1560 Food Technology
  Food Packaging, Food Processing, Food Preservation, New Products

1565 Programs-General
  International, National, State, and Local Programs, Food Programs,
Federal Programs

1570 Recipes

Cookery native to a specific country or locale, the art of cooking, recipes

1575 Reference Materials

Directories, Dictionaries, Statistical Data, Food Composition Tables, Information Science

1580 Purchasing, Receiving and Storage

Care and Handling of Food, Food Selection, Food Storage, Food Delivery, Purchasing of Food and Equipment
FNIC CATEGORY CODES 1979-

The FNIC category codes given in Section II, p. 26-27, and Appendix D, p. 4, of the guide proper were used from 1973 through 1978 and may be used to search citations entered into the file during that period. The new (1979-) FNIC category codes given on page 4 of Appendix D of the back page inserted supplement are, however, incorrect. All FNIC citations entered in 1979 and later should be searched using the following category codes.

<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
<th>Subcategories</th>
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<tbody>
<tr>
<td>0505</td>
<td>General Agriculture</td>
<td>Agricultural history, Techniques &amp; methods of agricultural research, U.S. &amp; world agriculture (general)</td>
</tr>
<tr>
<td>1505</td>
<td>Consumer Protection</td>
<td>Child, T.V.-FTC, Consumer oriented research on food (dealing with protection), Food-borne illness, Food safety, Food standards: grading, labeling from FDA viewpoint, Fraud (from consumer point of view)</td>
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<td>Agriculture: Production, Distribution</td>
<td>Advertising: children, T.V., Consumer Preferences, Consumer price index (CPI), Consumer purchasing power, Food coops, Food costs, Food economics, Gallop polls, Marketing, Supply and demand, prices, Trade, Transportation</td>
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<td>1025</td>
<td>Statistical data &amp; methodology</td>
<td>Agricultural statistical methods and theory</td>
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<td>1030</td>
<td>Outlook, Policies, Programs</td>
<td>Dietary goals, Food supply problems, Foreign aid, International &amp; national food &amp; nutrition programs, National nutrition policy, World hunger, World health</td>
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<td>1510</td>
<td>Human Nutrition</td>
<td>Anthropology, Dietary surveys, Food attitudes (behavioral, psychological, social aspects), Food consumption of populations, Food fads, Food habits, General human nutrition, Health foods, History, Nutritional status of populations, Vegetarianism</td>
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<td>1511</td>
<td>Nutrition and Health Education</td>
<td>Children's books (food &amp; cooking), Curricula, Dental health education, Evaluation of nutrition education programs</td>
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<td>1514</td>
<td>Food Composition</td>
<td>Analysis testing, Chemical analysis of foods, Constituents and composition of foods, Laboratory experiments on foods and nutrients, Nutrient tables</td>
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<td>1512 Physiology of Human Nutrition</td>
<td>1515 Home Economics (other than nutrition and consumer protection)</td>
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<td>Teacher references</td>
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<td>Textbooks (specifically related)</td>
<td>PER (protein efficiency ratio)</td>
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<td>Nutrition in the life cycle</td>
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<td>(maternal, infants, children,</td>
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<td>1513 Diet and Diet-Related Diseases</td>
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<td>Alcohol</td>
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| 4055 Horticultural Crops         | 5505 Energy Sources and Production                           |
|                                  |                                                               |
|                                  | 6505 Conservation, Ecology, Pollution                        |
|                                  |                                                               |
|                                  | 7005 Life Sciences                                           |
|                                  |                                                               |
|                                  | 7505 Physical Sciences & Mathematics                        |
|                                  |                                                               |
|                                  | 8005 Chemistry                                               |
|                                  |                                                               |
|                                  | 9005 Economics and Administration                           |
|                                  |                                                               |

| 1525 Legislation | 21 |
Use of AV's
Youth advisory councils
Economic forecasting
Financial management
Goal setting

1565 U.S. Nutrition Programs - Specific
Child nutrition
EPNEP
Food stamps
Head Start
Program evaluation
Title VII (elderly)
WIC
Management Education
Motivation
Organization
Performance appraisal
Personnel management
Planning meetings
Problem solving
Supervision
Systems analysis
Time management

2005 Food Science and Agricultural Products
Artificial foods
Beneficial micro-organisms
Equipment and processing
Fabricated foods
Fermentation processes
Fish
Food processing
Packaging
Preservation and storage
Techniques
Technologies applied to the conversion of primary products into food for man

9505 Social Sciences and Humanities
Anthropology
Psychology
Sociology

9705 Information Science
Documentation
Data bases

2010 Dairy Products
2015 Livestock Products
2020 Poultry Products
2025 Field Crop Products