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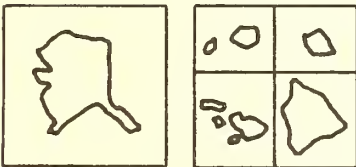
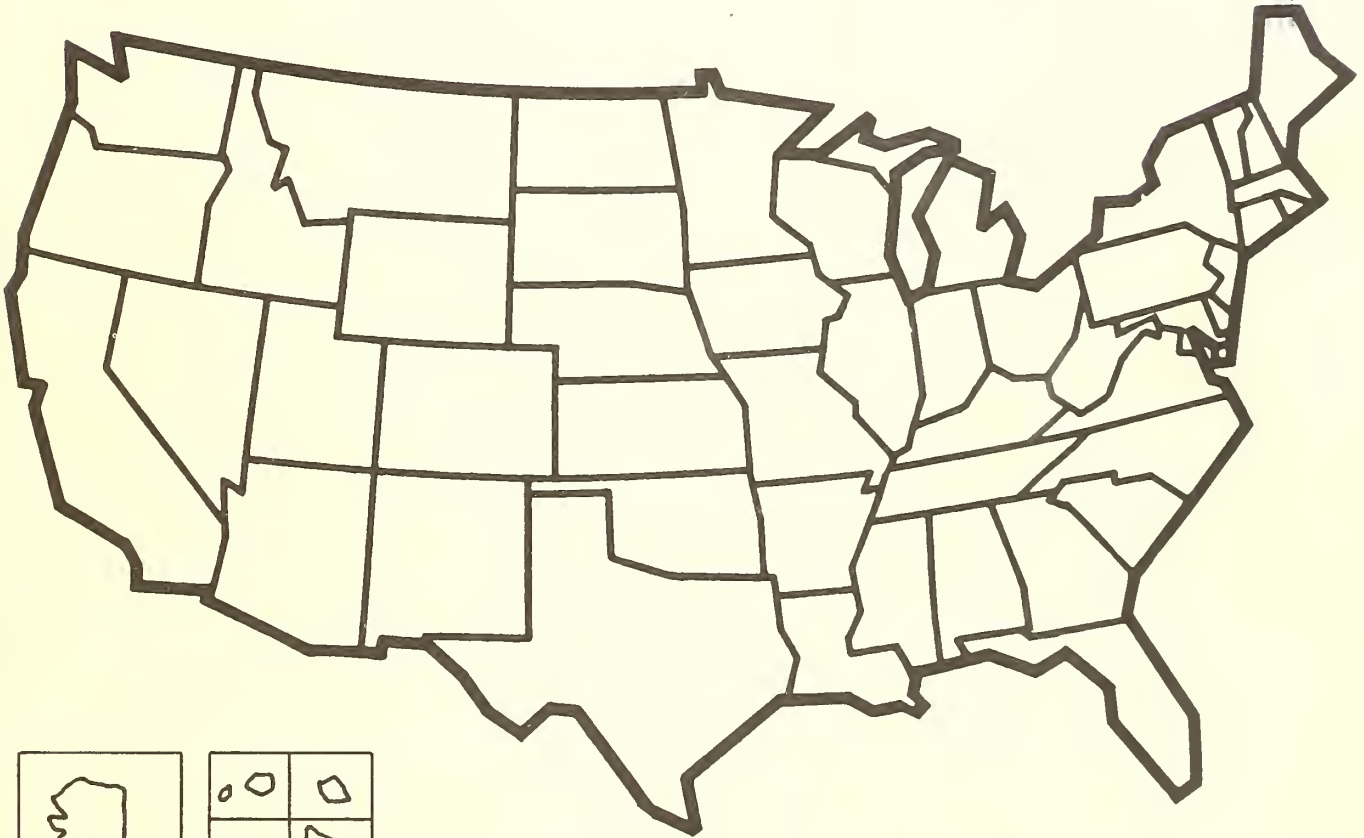
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EMPLOYMENT IN AGRICULTURAL AND AGRIBUSINESS OCCUPATIONS

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BUREAU OF LABOR STATISTICS, U.S. DEPARTMENT OF LABOR

ABSTRACT

Many farm and nonfarm workers require skills and knowledge of agriculture to perform their jobs. The 1970 Census of Population classified a sample of 20 percent of all persons by occupation and industry of primary employment. Those occupation-industry classifications which required competency in agriculture were identified. A compilation was made of the number of workers in each industry-occupation category by class of worker for each State. These data can be used to develop labor placement programs and assist educators to develop programs of instruction. Guidance counselors should be better able to help students with occupational information, while employment counselors can indicate potential opportunities. Planning agencies will be able to determine those industries most suitable for an area.

These data are presented in 11 volumes; one volume (ERS-570) contains summary data for all States while State data are in ten regional volumes. Each regional volume conforms to one of the ten Standard Federal Regions.

United States Summary	ERS-570
Region 1 - New England States	ERS-571
Region 2 - New York-New Jersey	ERS-572
Region 3 - Central Atlantic States (including Virginia)	ERS-573
Region 4 - Southeastern States	ERS-574
Region 5 - East North Central States	ERS-575
Region 6 - Arkansas, Louisiana, New Mexico, Oklahoma, and Texas	ERS-576
Region 7 - Iowa, Kansas, Missouri, and Nebraska	ERS-577
Region 8 - Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming	ERS-578
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PREFACE

This explanatory handbook -- and the accompanying manpower data on agribusiness occupations including occupations in both farm production and related off-farm industries -- is a culmination of 6 years of work by the National Committee on Employment Opportunities and Training Needs in Agribusiness. This handbook represents a pioneer effort to identify and define agribusiness occupations and the industries in which these occupations are located. The occupational categories and the data were taken from the 1970 census of population.

Many different concepts of the term "agribusiness" now prevail. To resolve some of the problems related to the use of various definitions, the Committee uses the concept of "occupational competency" in classifying the occupations as agribusiness.

The persistent efforts of a number of individuals have made possible this initial nationwide identification of agribusiness occupations. The current national interdepartmental committee is comprised of Melvin R. Janssen, N. P. Ralston, and Walter E. Sellers, Jr., of the U.S. Department of Agriculture; H. Neville Hunsicker (Chairman) and Philip R. Teske, of the Office of Education, U.S. Department of Health, Education, and Welfare; Kenneth R. Norell and Sheldon G. Ziman, of the Bureau of Census, U.S. Department of Commerce; and Maurice L. Hill, Willis F. Sloan (retired), Richard E. Dempsey, and David Evans of the U.S. Department of Labor. In addition, major consultants and members of work committees included: Glenn Z. Stevens, Pennsylvania State University; Conrad F. Fritsch, Texas A & M University; Glenn McNatt and Joe McCluskey (retired) of the Department of Labor; Robert B. Glasgow of the U.S. Department of Agriculture; and approximately 225 specialists who served on the reviewing teams from the participating States of Ohio, South Carolina, New York, California, Iowa, Texas, Oregon, Pennsylvania, and Minnesota.

Special recognition is due Mr. Sellers and Mr. Ziman, who did much of the work for the committee.

In the future, in addition to studying, classifying, and updating the information for accuracy and comprehensiveness, the National Committee expects to utilize the services of the U.S. Department of Labor in making future projections of employment opportunities. The Committee also will plan and coordinate the identification and qualification of essential competencies for entry and advancement in the major occupations, and will obtain commitments from established Federal and State data reporting services to regularly update employment data on agribusiness occupations in their systems.

The Committee requests that individuals, institutions, and agencies, in government and in the private sector, who find the information in this report useful assist with its further development and improvement. Users are urged to forward to the Committee any new occupations and new data which are revealed through their own studies. In this way, data on the breadth and composition of agribusiness occupations will continuously be updated.

H. N. Hunsicker, Chairman
National Committee on Employment Opportunities
and Training Needs in Agribusiness

EMPLOYMENT IN AGRICULTURAL AND AGRIBUSINESS OCCUPATIONS

INTRODUCTION

The size and composition of the Nation's large and complex agribusiness occupational sector recently has been ascertained. For many years, those conducting formal education and manpower training programs have needed to know more about the various occupational sectors of the Nation's economy -- particularly the agribusiness sector. There is a need to know the composition of this sector, its demographic makeup, future problems that can be expected, whether the sector is a contracting or expanding one, and what competencies are needed in various agribusiness occupations.

In the mid-1960's, leaders in the Federal Government, foreseeing the need to know more about employment in agribusiness, appointed a National Committee on Employment Opportunities and Training Needs in Agribusiness. For several years, this interagency committee met, debated, and sought answers on how to comprehend the complex agribusiness sector. In 1972, the Committee formulated the National Agribusiness Manpower Project, a long-range three-phase program, and appointed a subcommittee to work on the first phase (this report). The subcommittee, comprised of specialists from several Federal and State agencies with background in agriculture, education, and labor determined the agribusiness occupations based on a predetermined set of concepts. According to these concepts, an occupation is considered an agribusiness occupation if it requires or utilizes skills in, or knowledge of: (1) agricultural production and propagation of animals (land and aquatic), animal products, plants (crops and ornamental), plant products, forests and forest products; (2) the provision of services associated with agricultural production and the manufacture and distribution of supplies used in agricultural production; (3) the designing, installation, repair, operation, and servicing of machinery, equipment, and power sources and the construction of structures and conveniences used in agricultural production; (4) the inspection, processing, and marketing of agricultural products and primary byproducts; (5) aspects of greenhouse, nursery, landscaping, and other ornamental horticultural operations; (6) the conservation, propagation, improvement, and utilization of renewable natural resources; (7) the multiple uses of forest lands and resources, and (8) other agribusiness competencies. 1/

Using this definition, the Committee examined over 90,000 industry-occupational cross-classifications (matrix cells) to identify the maximum number of agribusiness cells. After the compilation of occupations was made, project coordinators from selected States met with the National Committee and organized specialists in eight subsectors to complete the identification program.

1/ For a more detailed definition of agribusiness occupational competencies, see appendix A.

Specialists from nine States were asked to indicate the relevance of selected matrix cells in each of the above competency groups. The National Committee reviewed the specialists' proposals and made final determination on the cross-classifications to be used in the employment tables.

Employment data in this report are three-dimensional, showing not only occupation and industrial attachment, but also class of worker.

The basic goal of all phases of the National Agribusiness Manpower Project is to provide a system for securing information for national and State areas on current and projected manpower and training needs in occupations requiring or utilizing agribusiness competencies. Detailed objectives of the overall project are to:

1. Identify current agribusiness job opportunities for national and State areas;
2. Project agribusiness job opportunities for national and State areas;
3. Identify skills, competencies, and training needed for current and future employment in agribusiness occupations;
4. Integrate agribusiness data into manpower information programs which will provide for periodic updating of these data;
5. Provide employment information to assist in:
 - A. Developing educational and training programs with appropriate curricula relevant to the needs of agribusiness occupations;
 - B. Counseling and placement of individuals in agribusiness jobs;
 - C. Administrative decisionmaking, budgeting, and program planning;
 - D. Community development planning related to manpower needs and resources; and
6. Provide trade associations, nongovernment organizations, and private industries with more accurate data concerning employment and training needs in agribusiness occupations.

THE NATIONAL AGRIBUSINESS MANPOWER PROJECT

Many changes have occurred in the past 20 years in the technology, organization, and management of agriculturally related industries. In addition to the new businesses created by the changes in operation, one of the most important effects of change has been in occupations serving these industries. These changes have been so rapid that occupational reference materials used by general education, vocational education, and other training authorities, including guidance and counseling personnel, do not always reflect current needs.

The effort to assess available information for occupational reference led the National Committee to the development of a plan of action in three phases:

Phase I

This phase -- the one reported on in this handbook -- involved the identification of occupations requiring or utilizing agribusiness competencies, and the extraction of corresponding manpower data from the 1970 decennial census tabulations. The use of the "agribusiness competency" criteria involved the development of common denominators for resolution of differences in definitions in use by agencies of the U.S. Departments of Agriculture; Health, Education, and Welfare; and Labor. These data provide a benchmark for education, training, and job placement authorities to coordinate preparation of information for curriculum development, guidance, job placement, and planning for community development.

Phase II

The objective of Phase II is to make projections of employment opportunities and training needs in occupations requiring agribusiness competencies. This phase will be coordinated with the U.S. Department of Labor manpower data system.

Phase III

This phase will involve the development of methods for integrating the agribusiness manpower data into existing systems of data collection and analysis to keep information current. Researchers and others (including trade associations) are encouraged to make special studies of new occupations in various industries and to inform the National Committee of results.

RELATIONSHIP OF THE NATIONAL AGRIBUSINESS MANPOWER PROJECT TO THE NATIONAL-STATE INDUSTRY-OCCUPATION MATRIX SYSTEM

Within the U.S. Department of Labor, the Bureau of Labor Statistics (BLS), in cooperation with the Manpower Administration (MA) and the State Employment Security agencies, is developing an integrated national-State industry-occupation employment matrix system, which will be completed by mid-1974. This system contains a series of 51 State matrices, including one for the District of Columbia, consistent in format, content, coding structure, and employment concepts. Each State matrix will cover employment in 441 occupational categories cross-classified by 201 industrial sectors. In addition, the system is designed to provide a flexible multipurpose computer system to utilize the State matrices for a variety of operational and research programs.

The national-State matrix system is designed to provide data and operational techniques for a variety of potential users including the National Committee. Many of the objectives of the National Agribusiness Manpower Project interface with the capabilities of the national-State matrix system. For example, the system could be used by those interested in agribusiness occupations to:

- (1) Provide projections. Provide national, State, and some sub-State manpower projections of the employment opportunities in occupations requiring agribusiness competencies. A byproduct will be its provision of projects of national and State industrial employment growth, which can be then used to plan area economic development.
- (2) Update projections. The State matrices and projections may be updated periodically by the State employment agency.
- (3) Assess education and training needed. In cooperation with the individual State agencies, the program will help to assess the education and training needed to meet the projected manpower needs. BLS has also related its occupational categories to the instructional programs of the U.S. Office of Education.

The responsibilities for the Department of Labor industry-occupation matrix program are divided among the Bureau of Labor Statistics, the Manpower Administration, and the State Employment Security agencies as follows: In general, BLS has primary responsibility for the technical development and statistical adequacy of the Department of Labor matrix system. The tabulation, estimation, analysis, and publication of the national data is the responsibility of BLS. The Manpower Administration has primary responsibility for the coordination of the program, and for providing guidance and assistance to the States in the use of and application of the manpower projections for manpower program planning and employment service operations. The cooperating State Employment Security agencies are responsible for the operation of the program at State levels under the technical guidance of BLS. In addition, the State agencies are responsible for utilizing the techniques and disseminating any resulting estimates to State and local users.

Inquiries about State and local manpower needs should be directed to the research and analysis division of the State Employment Security agencies. Inquiries about national use and future concerns in agribusiness occupations should be directed to the National Committee on Employment Opportunities and Training Needs in Agribusiness. 2/

USES OF AGRIBUSINESS EMPLOYMENT DATA

As stated earlier, little is known about the detailed structure of occupations and industries requiring agribusiness knowledge and competencies. Thus manpower analysts, placement specialists, guidance counselors, vocational educators and State and local planners have not had adequate information to plan and to develop sound programs. The data in this report can be used to resolve the problems as follows:

1. Knowledge of the relationships of industries and occupations will give State employment security workers basic information for developing their labor placement programs. It will be especially useful to

2/ H. N. Hunsicker, Educational Program Specialist, U.S. Department of HEW, 7th and D Streets., S.W., Room 5120, Washington, D.C. 20202.

identify current national and State agribusiness manpower needs by occupation and industry -- information that has been unavailable. Then data can be adapted to labor market areas.

2. The Vocational Education Act of 1963 requires that training programs be in response to demonstrated needs. The present data will permit State and local officials to develop vocational educational programs suited to needs of the area. The information from the project will also assist educators to develop programs of instruction and curriculum materials tailored to the specific needs of students.
3. Educational guidance counselors will be able to give better curriculum and instructional guidance to students when they know the opportunities in various occupations. Students can also avail themselves of better curricula and course offerings to prepare for potential jobs. Employment counselors will have greater knowledge of employment opportunities for those who have been trained.
4. State, multicounty, and local planning agencies will find the labor force composition and labor force needs useful in planning for economic development. They will be able to determine the industries most suitable for expansion in relation to the labor force, community services and other resources.

Any of the above activities can be conducted independently of the remainder. Yet, coordination and integration of all uses will result in greater effectiveness of all programs involved.

SOURCE AND COMPARABILITY OF AGRIBUSINESS EMPLOYMENT DATA

Source of Data

Data in this report are derived from the 1970 Census of Population taken by the U.S. Bureau of the Census. Twenty percent of the population were asked questions about their employment. Occupation, industry, and class of worker data were obtained from answers to items 33 to 35 on the 1970 Census of Population questionnaire (see job activity questions below). This series of questions was used to obtain information for the employed, the experienced unemployed, and experienced workers not in the labor force during the reference week. The last two categories apply to persons who had worked at some time during the previous 10 years. All three items relate to one specific job held by the person. For an employed person, the information refers to the job held during the reference week. If he was employed at two or more jobs, the job at which he worked the greatest number of hours during the reference week was to be reported. For experienced unemployed persons and for those not in the labor force, the information refers to the last job the persons held. From these data, the Committee derived the data published in this report -- data which indicate the current manpower situation in agribusiness occupations.

The following are the job activity questions on the 1970 Census of Population questionnaire:

33-35. Current or most recent job activity

Describe clearly this person's chief job activity or business last week, if any. If he had more than one job, describe the one at which he worked the most hours.

If this person had no job or business last week, give information for last job or business since 1960.

33. Industry

a. For whom did he work? (If now on active duty in the Armed Forces, print "AF" and skip to question 37).

(Name of company, business, organization, or other employer)

b. What kind of business or industry was this? (Describe activity at location where employed).

(For example: Junior high school, retail supermarket, dairy farm, TV and radio service, auto assembly plant, road construction)

c. Is this mainly: (Fill one circle)

Manufacturing

Retail trade

Wholesale trade

Other (agriculture, construction, service, government, etc.)

34. Occupation

a. What kind of work was he doing?

(For example: TV repairman, sewing machine operator, spray painter, civil engineer, farm operator, farm hand, junior high English teacher)

b. What were his most important activities or duties?

(For example: Types, keeps account books, files, sells cars, operates printing press, cleans buildings, finishes concrete)

c. What was his job title?

35. Was this person -- (Fill one circle)

Employee of private company, business, or individual for wages, salary, or commissions

Federal government employee	0
State government employee (city, county, etc.)	0
Self-employed in own business, professional practice, or farm ...	0
Own business not incorporated	0
Own business incorporated	0
Working <u>without pay</u> in family business or farm	0

The Manpower Administration acquired the employment data from the Census Bureau for BLS, who reformatted the data for their national-State matrix system. In turn, the National Committee on Employment Opportunities and Training Needs in Agribusiness transposed the data to its own tapes. In the process, computer programming techniques were designed to provide a tested model so that any sub-sector matrix on employment may be derived from the tabulations at a reasonable cost. Persons interested in the detailed technical aspects of the agribusiness computer program should address their questions to Walter E. Sellers, Jr., Economic Research Service, U.S. Department of Agriculture, Washington, D.C. 20250.

Each industry and occupation listed in the employment tables has a three-digit census code and may contain from one to several hundred detailed industries or occupations. For a listing of the detailed occupations and industries, see appendixes B and C, respectively. 3/

Comparability and Limitations of Data

The numbers of workers given in the tables in this report are census of population figures based on the chief activity or primary occupation the respondent was engaged in during the survey week. The number of persons reporting in some on-farm occupations is considerably different than the number published in the 1969 Census of Agriculture. This census reported 2.7 million farm operators, of which over a million worked 100 or more days off the farm. Thus, in the 1970 Census of Population, most of the 1 million primarily off-farm workers reported their occupations as other than farm operators.

Factors such as the survey week also affect the number of persons reporting their occupations. For instance, the 1970 decennial census reference week was during March, when activity on many farms and in farm-related industries in the Northern States was dormant or slow. During 1970, 69 percent of the

3/ Additional information on the census occupation and industry classification system is presented in the 1970 Census of Population Classified Index of Industries and Occupations.

hired farmworkers were employed on farms for less than 75 days. ^{4/} Obviously, most of these were not working on farms in March. Thus, the number of persons reporting themselves as farmers or farmworkers in the 1970 decennial census was fewer in comparison with what would have been reported during May through September. Most persons doing farm wage work during March are most likely engaged full time in that work.

In the 1970 Census of Population, the industry categories are defined in terms similar to those used in the 1967 Standard Industrial Classification (SIC). The SIC, developed under the sponsorship of the U.S. Office of Management and Budget, is designed for the classification of establishments by primary type of industrial activity in which they are engaged. One of the major purposes of the SIC is to promote uniformity and comparability in the presentation of statistical data collected by various agencies.

EXPLANATION OF SECTIONS I, II, AND III OF THE AGRIBUSINESS EMPLOYMENT TABLES

Occupation and Industrial Attachment

Occupational data presented in the employment tables in this report are separated into three sections based on the prevalence of workers within specific occupations and industries that require or utilize agribusiness occupational competencies. These competencies are a modification of the definitional concepts and logic outlined in Subject Matter Area 01 of Standard Terminology For Curriculum and Instruction in Local and State School Systems, Office of Education, U.S. Department of Health, Education and Welfare Handbook VI OE-23052. (Also refer to Appendix A this report).

In Section 1, for 18 selected occupations, all of the 2,996,998 workers in all industries "where employed" require or use agribusiness competencies. (e.g. all veterinarians).

In Section 2, for 54 selected occupations, all of the 663,541 workers in some industries (only those listed) require or use agribusiness competencies. (Eg. all architects - landscape architects - in horticultural services).

In Section 3, for 67 selected occupations, some of the 4.4 million workers in some industries (only those listed) require or use agribusiness competencies. (Eg. some chemists - agricultural chemists - in the chemical industry).

All manpower data tabulated in Sections 1 and 2, but only some in Section 3, require or use agribusiness competencies. (See title page of each section for explanation of contents).

The agribusiness employment tables are a subsector of the BLS matrix and consist of 108 occupations and 201 industries. The occupations of Section I

^{4/} Hired Farm Working Force, 1970, Agr. Econ. Rpt. No. 201, Economic Research Service, U.S. Dept. of Agriculture.

may exist within any one of these 201 industries. Sections 2 and 3 have a maximum of 82 selected industries in which each selected occupation may be found.

Because census data are not available in more detailed occupation-industry classifications, the National Committee was unable to ascertain what proportion of the 4.4 million workers in Section 3 required or utilized agribusiness competencies. It is left up to the State or local agencies to determine these percentages through further research. Whenever these studies are made, it is requested that they forward their findings to the National Committee.

Class of Worker

In addition to industry and occupation attachment, employment is shown in each section by class of worker. The class of worker criteria consists of four major categories: (1) private; (2) government; (3) self-employed, and (4) unpaid family workers. Each category is delineated as follows:

1. Private wage and salary workers -- Persons who worked for a private employer for wages, salary, commission, tips, pay-in-kind or pay at piece rates.
2. Government workers -- Persons who worked for any government unit, regardless of the activity of the particular agency. This category is subdivided by the level of government: (a) Federal, (b) State, (c) local (county, city, village, township, etc.).
3. Self-employed workers
 - a. Own business not incorporated -- Persons who worked for profit or fees in their own unincorporated business, profession, or trade, or who operated a farm. Included here are the owner-operators of large stores and manufacturing establishments as well as small merchants, independent craftsmen and professional men, farmers, peddlers, and other persons who conducted enterprises on their own.
 - b. Own business incorporated -- Persons who consider themselves self-employed but work for corporations. (In most cases the respondents will own or be part of a group that owns controlling interest in the corporation.) Since all workers of a corporation are defined as wage and salary workers, this category is tabulated with "private wage and salary workers."
4. Unpaid family workers -- Persons who worked without pay on a farm or in a business operated by a person to whom they are related by blood or marriage. These are usually the children or the wife of the owner of a business or farm.

Index to Matrix - Occupations

<u>Occupation</u> <u>Code</u>	<u>Section 1</u>	<u>Section 2</u>	<u>Section 3</u>
Professional, Technical, and Kindred Workers			
001 Accountants		X	X
002 Architects		X	X
005 Computer specialists, n.e.c. (not elsewhere classified)			X
011 Civil engineers		X	X
012 Electrical and electronic engineers		X	
013 Industrial engineers		X	X
014 Mechanical engineers		X	X
022 Sales engineers		X	X
023 Engineers, n.e.c.		X	X
024 Farm management advisors	X		
025 Foresters and conservationists	X		
036 Statisticians			X
042 Agricultural scientists	X		
043 Atmospheric and space scientists			X
044 Biological scientists		X	X
045 Chemists		X	X
056 Personnel and labor relations workers		X	X
072 Veterinarians	X		
085 Health technologists and technicians, n.e.c.		X	X
091 Economists		X	X
102 Agricultural teachers (College)		X	
104 Biological teachers (College)			X
105 Chemistry teachers (College)			X
111 Engineering teachers (College)			X
113 Health specialties teachers (College)			X
116 Economics teachers (College)			X
134 Trade, industrial, and technical teachers (College)			X
135 Miscellaneous teachers, college and university			X
141 Adult education teachers			X
144 Secondary school teachers			X
150 Agriculture and biological technicians, except health	X		
151 Chemical technicians			X
152 Draftsmen		X	
153 Electrical and electronic engineering technicians			X
163 Airplane pilots		X	X
174 Vocational and educational counselors			X
180 Athletes and kindred workers			X
181 Authors			X
183 Designers		X	X
184 Editors and reporters			X
192 Public relations men and publicity writers		X	X
Managers and Administrators, Except Farm			
201 Assessors, controllers, and treasurers; local public administration			X
202 Bank officers and financial managers			X
203 Buyers and shippers, farm products		X	
205 Buyers, wholesale and retail trade		X	X
210 Credit men		X	X
215 Inspectors, except construction, public administration			X
220 Office managers, n.e.c.		X	
221 Officers, pilots, and pursers; ship		X	
222 Officials and administrators; public administration, n.e.c.			X
223 Officials of lodges, societies, and unions			X
225 Purchasing agents and buyers, n.e.c.		X	X
231 Sales managers and department heads, retail trade		X	X
233 Sales managers, except retail trade		X	X
235 School administrators, college			X
245 Managers and administrators, n.e.c.		X	X
Sales Workers			
260 Advertising agents and salesmen		X	X
261 Auctioneers		X	X
262 Demonstrators		X	
265 Insurance agents, brokers, and underwriters			X

-- Continued

Index to Matrix - Occupations -- Continued

<u>Occupation</u> <u>Code</u>		<u>Section 1</u>	<u>Section 2</u>	<u>Section 3</u>
	Sales Workers (continued)			
271	Stock and bond salesmen			X
281	Sales representatives, manufacturing industries		X	X
282	Sales representatives, wholesale trade		X	
283	Sales clerks, retail trade		X	
	Clerical and Kindred Workers			
320	Enumerators and interviewers			X
321	Estimators and investigators, n.e.c.			X
323	Expediteurs and production controllers			X
326	Insurance adjusters, examiners, and investigators			X
363	Real estate appraisers			X
372	Secretaries, n.e.c.			X
374	Shipping and receiving clerks		X	
392	Weighers		X	
394	Miscellaneous clerical workers		X	X
	Craftsmen and Kindred Workers			
403	Blacksmiths		X	
425	Decorators and window dressers		X	
441	Foremen, n.e.c. ^{1/}		X	X
450	Inspectors, scalers, and graders; log and lumber		X	
452	Inspectors, n.e.c.		X	X
480	Farm implement repairmen	X		
481	Heavy equipment mechanics, including diesel		X	X
501	Millers; grain, flour, and feed	X		
514	Pattern and model makers, excluding paper		X	X
575	Craftsmen and kindred workers, n.e.c.		X	
610	Checkers, examiners, and inspectors; manufacturing		X	X
624	Graders and sorters, manufacturing		X	
625	Produce graders and packers, except factory and farm		X	
631	Meat cutters and butchers, excluding manufacturing	X		
633	Meat cutters and butchers, manufacturing	X		
662	Sawyers		X	
690	Machine operatives, miscellaneous specified		X	
694	Miscellaneous operatives			X
	Transport Equipment Operatives			
715	Truck drivers		X	
	Laborers, Except Farm			
740	Animal caretakers, excluding farm	X		
752	Fishermen and oystermen	X		
755	Gardeners and groundskeepers, excluding farm	X		
761	Lumbermen, raftsmen, and woodchoppers		X	
763	Teamsters		X	
780	Miscellaneous laborers		X	X
	Farmers and Farm Managers			
801	Farmers (owners and tenants)	X		
802	Farm managers	X		
	Farm Laborers and Farm Foremen			
821	Farm foremen	X		
822	Farm laborers, wage workers	X		
823	Farm laborers, unpaid family workers	X		
824	Farm service laborers, self-employed	X		
	Service Workers, Excluding Private Household			
933	Attendant, personal service, n.e.c.			X

^{1/} Data currently not available on agribusiness project ADP tapes.

Employment Table Section I

Occupations That Require or Utilize Agribusiness Competencies

In Any Industry Where Hired

The 18 occupations selected for section I are positions that require or utilize agribusiness competencies in any industry in which it exists. For example, gardeners and groundskeepers are employed in 195 industries. Whether the occupation exists in horticultural services or motor vehicle equipment manufacturing, all gardeners and groundskeepers by definition require or utilize agribusiness competencies.

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	TOTAL CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
			PRIVATE	WAGE AND SALARY WORKER					
				FEDERAL	STATE	LOCAL			
17	AGRICULTURAL PRODUCTION	60	15	15	20	10	0	0	
18	AGRICULTURAL SERVICES, EXC HORT	58	26	16	5	11	16	0	
27	FORESTRY	25	0	20	0	7	5	0	
48	COAL MINING	6	6	0	0	0	0	0	
49	CRUDE PETROLEUM AND NAT GAS	8	8	0	0	0	0	0	
127	CEMENT, CONCRETE, PLASTER	5	5	0	0	0	0	0	
148	PRIMARY ALUMINUM IND	6	6	0	0	0	0	0	
158	FABRICATED METAL PROD	5	5	0	0	0	0	0	
177	ENGINES AND TURBINES	5	0	5	5	0	0	0	
179	CONSTRUCTION MACHINES	5	5	0	0	0	0	0	
189	ELECTRONIC COMPUTING EQUIP	5	5	0	0	0	0	0	
197	MACHINERY, NEC	7	7	0	0	0	0	0	
227	AIRCRAFT AND PARTS	16	16	0	0	0	0	0	
228	SHIP, BOAT BUILDING, REPAIR	11	11	0	0	0	0	0	
248	PHOTO EQUIP AND SUPPLIES	5	5	0	0	0	0	0	
258	ORDNANCE	20	16	4	4	0	0	0	
278	CANNING AND PRESERVING	4	4	0	0	0	0	0	
319	APPAREL AND ACCESSORIES	5	5	0	0	0	0	0	
379	RUBBER PRODUCTS	5	5	0	0	0	0	0	
419	WATER TRANSPORTATION	5	5	0	0	0	0	0	
467	ELECTRIC LIGHT AND POWER	11	11	0	0	0	0	0	
468	ELECTRIC-GAS UTILITIES	4	4	0	0	0	0	0	
478	SANITARY SERVICES	5	0	5	0	5	0	0	
528	FARM PROD-RAW MATERIAL	10	10	0	0	0	0	0	
649	MISC VEHICLE DEALERS	4	4	0	0	0	0	0	
679	FARM, GARDEN SUPPLY STORES	17	17	0	0	0	0	0	
707	BANKING	4	4	0	0	0	0	0	
708	CREDIT AGENCIES	554	15	539	518	21	0	0	
729	COMMERCIAL R AND D	5	5	0	0	0	0	0	
738	BUSINESS MANAGEMENT SERVICES	6	6	0	0	0	0	0	
759	OTHER REPAIR SERVICES	7	0	7	0	0	0	0	
848	HEALTH SERVICES, NEC	15	0	15	9	6	0	0	
857	ELEMENTARY, SECONDARY	10	0	10	0	6	0	0	
858	COLLEGES AND UNIVERSITIES	6152	276	5871	1053	1466	5	0	
867	EDUCATIONAL SERVICES, NEC	121	17	104	41	23	0	0	
878	WELFARE SERVICES	5	0	5	0	0	0	0	
887	NONPROFIT MEMBERSHIP	10	10	0	0	0	0	0	
888	ENG AND ARCH SERVICES	14	9	0	0	0	5	0	
889	ACCOUNTING, AUDITING	6	6	0	0	0	0	0	
897	MISC PROFESSIONAL SERVICES	35	15	16	5	11	4	0	
907	POSTAL SERVICE	9	0	9	0	0	0	0	
917	FEDERAL PUBLIC ADMIN	118	0	118	118	0	0	0	

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY FEDERAL	GOVERNMENT STATE			
927	STATE PUBLIC ADMN	33	0	33	0	0	0	0	0
937	LOCAL PUBLIC ADMN	163	0	163	0	0	163	0	0
24 FARM MANAGEMENT ADVISORS									
17	AGRICULTURAL PRODUCTION	284	54	224	150	64	10	6	0
18	AGRICULTURAL SERVICES, EXC HORT	279	30	243	107	127	9	0	6
19	HORTICULTURAL SERVICES	18	12	6	0	6	0	0	0
27	FORESTRY	21385	2110	18883	8981	9029	873	387	5
28	FISHERIES	798	158	575	62	488	25	65	0
47	METAL MINING	6	6	0	0	0	0	0	0
48	COAL MINING	19	13	6	6	0	0	0	0
49	CRUDE PETROLEUM AND NAT GAS	13	13	0	0	0	0	0	0
67	GENERAL BUILDING CONTRACTORS	7	7	0	0	0	0	0	0
68	GENERAL CONTRACTORS, EXC BLDG	463	22	410	301	98	11	31	0
69	SPECIAL TRADE CONTRACTORS	5	5	0	0	0	0	0	0
107	LOGGING	997	769	27	27	0	0	201	0
108	SAWMILL, PLANING MILL, MILL WK	956	934	10	5	0	5	12	0
109	MISC WOOD PROD	159	159	0	0	0	0	0	0
118	FURNITURE AND FIXTURES	9	9	0	0	0	0	0	0
127	CEMENT, CONCRETE, PLASTER	5	5	0	0	0	0	0	0
139	BLAST FURNACES, STEEL WKS	8	8	0	0	0	0	0	0
147	OTHER PRIMARY STEEL	5	5	0	0	0	0	0	0
148	PRIMARY ALUMINUM IND	7	7	0	0	0	0	0	0
197	MACHINERY, NEC	4	4	0	0	0	0	0	0
199	HOUSEHOLD APPLIANCES	6	6	0	0	0	0	0	0
207	RADIO, TV, COMMUN EQUIP	14	9	5	5	0	0	0	0
208	ELECTRICAL MACHINERY, NEC	4	4	0	0	0	0	0	0
219	MOTOR VEHICLE EQUIP	6	6	0	0	0	0	0	0
227	AIRCRAFT AND PARTS	10	10	0	0	0	0	0	0
247	OPTICAL, HEALTH SERV SUPPLIES	5	5	0	0	0	0	0	0
248	PHOTO EQUIP AND SUPPLIES	5	5	0	0	0	0	0	0
259	MISC MANUFACTURING	4	4	0	0	0	0	0	0
317	YARN, FABRIC MILLS	5	5	0	0	0	0	0	0
318	MISC TEXTILE MILL PRODUCTS	5	5	0	0	0	0	0	0
328	PULP, PAPER, PAPERBOARD MILLS	1058	1053	5	0	5	0	0	0
329	MISC PAPER AND PULP PRODUCT	24	24	0	0	0	0	0	0
337	PAPERBOARD CONTAINERS, BOXES	34	34	0	0	0	0	0	0
339	PRINTING, PUBLISHING EXC NEWS	6	6	0	0	0	0	0	0
347	INDUSTRIAL CHEMICALS	12	12	0	0	0	0	0	0
377	PETROLEUM REFINING	10	10	0	0	0	0	0	0
379	RUBBER PRODUCTS	4	4	0	0	0	0	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY GOVERNMENT	WORKER STATE			
	25 FORESTERS AND CONSERVATIONISTS								
	CONTINUED								
407	RAILROADS, RAILWAY EXPRESS	51	51	0	0	0	0	0	0
417	TRUCKING SERVICE	7	7	0	0	0	0	0	0
467	ELECTRIC LIGHT AND POWER	131	108	23	18	0	5	0	0
468	ELECTRIC-GAS UTILITIES	10	10	0	0	0	0	0	0
477	WATER SUPPLY	62	19	43	0	21	22	0	0
478	SANITARY SERVICES	296	18	278	5	7	266	0	0
479	OTHER UTILITIES, NEC	13	0	13	8	0	5	0	0
508	DRUGS, CHEMICALS, ALLIED PROD	3	3	0	0	0	0	0	0
527	FOOD AND RELATED PROD	9	4	0	0	0	0	5	0
558	PETROLEUM PRODUCTS	4	4	0	0	0	0	0	0
568	PAPER AND ITS PRODUCTS	9	9	0	0	0	0	0	0
569	LUMBER, CONSTR, MATERIALS	73	73	0	0	0	0	0	0
587	WHOLESALE, NEC	81	67	0	0	0	0	14	0
607	LUMBER, BUILDING MATERIAL	66	61	0	0	0	0	5	0
638	FOOD STORES, NEC	6	6	0	0	0	0	0	0
668	APPLIANCE, TV, RADIO STORES	8	8	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	5	0	5	5	0	0	0	0
688	FUEL AND ICE DEALERS	5	0	0	0	0	0	5	0
697	MISC RETAIL TRADE STORES	6	6	0	0	0	0	0	0
707	BANKING	6	6	0	0	0	0	0	0
717	INSURANCE	5	5	0	0	0	0	0	0
718	REAL ESTATE, RE LAW INSURANCE	33	33	0	0	0	0	0	0
728	SERVICES BUILDINGS	35	25	10	0	0	10	0	0
729	COMMERCIAL R AND D	40	30	10	4	6	0	0	0
738	BUSINESS MANAGEMENT SERVICES	5	0	5	0	0	5	0	0
739	COMPUTER PROGRAMMING	5	5	0	0	0	0	0	0
748	OTHER MISC BUSINESS SERVICES	6	0	0	0	0	0	6	0
759	OTHER REPAIR SERVICES	6	6	0	0	0	0	0	0
769	PRIVATE HOUSEHOLDS	9	4	0	0	0	0	5	0
777	HOTELS AND MOTELS	6	6	0	0	0	0	0	0
778	LODGING PLACES, EXC HOTELS	142	121	21	17	0	4	0	0
797	DRESSMAKING SHOPS	9	5	4	0	4	0	0	0
798	OTHER PERSONAL SERVICES	5	5	0	0	0	0	0	0
809	MISC ENTERTAINMENT	78	41	37	0	15	22	0	0
828	OFFICES OF PHYSICIANS	12	6	0	0	0	0	6	0
838	HOSPITALS	103	76	27	5	14	8	0	0
839	CONVALESCENT INSTITUTIONS	65	65	0	0	0	0	0	0
848	HEALTH SERVICES, NEC	211	0	211	6	65	140	0	0
857	ELEMENTARY, SECONDARY	25	5	20	4	5	11	0	0
858	COLLEGES AND UNIVERSITIES	288	66	222	4	213	5	0	0
869	MUSEUMS, ART GALLERIES† ZOO'S	38	20	18	7	0	11	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER GOVERNMENT WORKERS FEDERAL STATE	FORESTERS AND CONSERVATIONISTS			
877	RELIGIOUS ORGANIZATIONS	4	4	0	0	0	0	0	0
878	WELFARE SERVICES	19	5	14	9	5	0	0	0
887	NONPROFIT MEMBERSHIP	86	86	0	0	0	0	0	0
888	ENG AND ARCH SERVICES	51	41	6	0	6	0	4	0
897	MISC PROFESSIONAL SERVICES	25	6	8	8	0	11	0	0
907	POSTAL SERVICE	15	0	15	15	0	0	0	0
917	FEDERAL PUBLIC ADMIN	7837	0	7837	7837	0	0	0	0
927	STATE PUBLIC ADMIN	2573	0	2573	0	2573	0	0	0
937	LOCAL PUBLIC ADMIN	571	0	571	0	0	571	0	0
25 FORESTERS AND CONSERVATIONISTS									
17	AGRICULTURAL PRODUCTION	1036	598	333	97	219	17	105	0
18	AGRICULTURAL SERVICES, EXC HORT	636	277	105	45	56	4	254	0
19	HORTICULTURAL SERVICES	1035	482	44	0	18	26	509	0
27	FORESTRY	378	10	363	250	14	99	5	0
28	FISHERIES	132	10	122	52	65	5	0	0
49	CRUDE PETROLEUM AND NAT GAS	9	4	5	5	0	0	0	0
57	NONMETALLIC MINING, QUARRYING	9	9	0	0	0	0	0	0
67	GENERAL BUILDING CONTRACTORS	5	5	0	0	0	0	0	0
68	GENERAL CONTRACTORS, EXC BLDG	161	15	146	48	87	11	0	0
108	SAWMILL, PLANING MILL, MILL WK	6	6	0	0	0	0	0	0
119	GLASS AND GLASS PROD	8	8	0	0	0	0	0	0
139	BLAST FURNACES, STEEL WKS	5	5	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	6	6	0	0	0	0	0	0
187	METALWORKING MACHINERY	6	6	0	0	0	0	0	0
199	HOUSEHOLD APPLIANCES	10	10	0	0	0	0	0	0
207	RADIO, TV, COMMUN EQUIP	6	6	0	0	0	0	0	0
258	ORDNANCE	6	6	0	0	0	0	0	0
259	MISC MANUFACTURING	12	12	0	0	0	0	0	0
268	MEAT PRODUCTS	10	10	0	0	0	0	0	0
269	DAIRY PRODUCTS	19	19	0	0	0	0	0	0
278	CANNING AND PRESERVING	107	107	0	0	0	0	0	0
279	GRAIN MILL PRODUCTS	23	23	0	0	0	0	0	0
289	BEVERAGE INDUSTRIES	12	12	0	0	0	0	0	0
297	MISC FOOD PREPARATION	200	200	0	0	0	0	0	0
299	TOBACCO MANUFACTURING	21	21	0	0	0	0	0	0
317	YARN, FABRIC MILLS	21	21	0	0	0	0	0	0
329	MISC PAPER AND PULP PRODUCT	5	5	0	0	0	0	0	0
337	PAPERBOARD CONTAINERS, BOXES	6	6	0	0	0	0	0	0
338	NEWSPAPER PUBLISHING, PRINTING	4	4	0	0	0	0	0	0
339	PRINTING, PUBLISHING EXC NEWS	3	0	0	0	0	0	3	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID * FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT WORKERS		STATE			
					FEDERAL	STATE				
42 AGRICULTURAL SCIENTISTS CONTINUED										
347	INDUSTRIAL CHEMICALS	43	43	0	0	0	0	0	0	0
348	PLASTICS, SYNTHETICS	8	8	0	0	0	0	0	0	0
349	SYNTHETIC FIBERS	20	20	0	0	0	0	0	0	0
357	DRUGS AND MEDICINES	20	20	0	0	0	0	0	0	0
358	SOAPS AND COSMETICS	6	6	0	0	0	0	0	0	0
367	AGRICULTURAL CHEMICALS	108	108	0	0	0	0	0	0	0
368	MISC CHEMICALS	5	5	0	0	0	0	0	0	0
377	PETROLEUM REFINING	22	22	0	0	0	0	0	0	0
379	RUBBER PRODUCTS	6	6	0	0	0	0	0	0	0
407	RAILROADS, RAILWAY EXPRESS	5	5	0	0	0	0	0	0	0
418	WAREHOUSING AND STORAGE	10	10	0	0	0	0	0	0	0
447	RADIO BROADCASTING, TV	9	4	0	0	0	0	0	0	0
467	ELECTRIC LIGHT AND POWER	45	14	31	22	5	9	0	0	0
477	WATER SUPPLY	10	5	5	0	5	0	0	0	0
478	SANITARY SERVICES	11	0	11	0	0	11	0	0	0
479	OTHER UTILITIES, NEC	15	5	10	10	0	0	0	0	0
508	DRUGS, CHEMICALS, ALLIED PROD	16	16	0	0	0	0	0	0	0
527	FOOD AND RELATED PROD	35	35	0	0	0	0	0	0	0
528	FARM PROD--RAW MATERIAL	33	33	0	0	0	0	0	0	0
539	MACHINERY EQUIP, SUPPLIES	11	11	0	0	0	0	0	0	0
557	METALS AND MINERALS, NEC	5	5	0	0	0	0	0	0	0
558	PETROLEUM PRODUCTS	14	14	0	0	0	0	0	0	0
587	WHOLESALE, NEC	318	295	0	0	0	0	23	0	0
609	DEPARTMENT, MAIL ORDER	8	8	0	0	0	0	0	0	0
619	DIRECT SELLING	6	6	0	0	0	0	0	0	0
628	GROCERY STORES	12	12	0	0	0	0	0	0	0
638	FOOD STORES, NEC	16	16	0	0	0	0	0	0	0
648	GASOLINE SERVICE STATIONS	7	7	0	0	0	0	0	0	0
669	EATING AND DRINKING PLACES	3	3	0	0	0	0	0	0	0
677	DRUG STORES	3	3	0	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	125	125	0	0	0	0	0	0	0
688	FUEL AND ICE DEALERS	6	6	0	0	0	0	0	0	0
689	RETAIL FLORISTS	211	170	0	0	0	0	41	0	0
697	MISC RETAIL TRADE STORES	40	35	5	0	0	5	0	0	0
707	BANKING	45	11	34	34	0	0	0	0	0
708	CREDIT AGENCIES	4	4	0	0	0	0	0	0	0
717	INSURANCE	33	25	8	4	0	4	0	0	0
718	REAL ESTATE, RE LAW INSURANCE	4	0	4	4	0	4	0	0	0
727	ADVERTISING	5	5	0	0	0	0	0	0	0
728	SERVICES BUILDINGS	4	4	0	0	0	0	0	0	0
729	COMMERCIAL R AND D	269	166	86	42	44	0	17	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY FEDERAL	GOVERNMENT STATE	WORKER STATE			
42 AGRICULTURAL SCIENTISTS CONTINUED										
738	BUSINESS MANAGEMENT SERVICES	35	18	0	0	0	0	0	17	0
748	OTHER MISC BUSINFSS SERVICES	17	7	0	0	0	0	0	10	0
769	PRIVATE HOUSEHOLOS	33	27	0	0	0	0	0	6	0
777	HOTELS AND MOTELS	8	8	0	0	0	0	0	0	0
779	LAUNDRY, CLEANING	6	6	0	0	0	0	0	0	0
807	MOTION PICTURES, THEATERS	11	11	0	0	0	0	0	0	0
809	MISC ENTERTAINMENT	60	44	16	0	0	11	0	0	0
828	OFFICES OF PHYSICIANS	5	0	5	0	5	0	0	0	0
838	HOSPITALS	45	20	20	0	20	0	5	0	0
839	CONVALESCENT INSTITUTIONS	9	9	0	0	0	0	0	0	0
848	HEALTH SERVICES, NEC	44	5	39	18	16	5	0	0	0
857	ELEMENTARY, SECONDARY	46	19	27	0	0	27	0	0	0
858	COLLEGES AND UNIVERSITIES	2094	157	1932	93	1805	34	5	0	0
867	EDUCATIONAL SERVICES, NEC	13	5	8	5	3	0	0	0	0
869	MUSEUMS, ART GALLERIES; ZOOS	44	23	21	0	0	21	0	0	0
877	RELIGIOUS ORGANIZATIONS	9	9	0	0	0	0	0	0	0
878	WELFARE SERVICES	19	7	12	0	6	6	0	0	0
887	NONPROFIT MEMBERSHIP	86	86	0	0	0	0	0	0	0
888	ENG AND ARCH SERVICES	104	104	0	0	0	0	0	0	0
897	MISC PROFESSIONAL SERVICES	147	57	90	55	35	0	0	0	0
917	FEDERAL PUBLIC ADMIN	2975	0	2975	2975	0	0	0	0	0
927	STATE PUBLIC ADMIN	800	0	800	0	800	0	0	0	0
937	LOCAL PUBLIC ADMIN	479	0	479	0	0	479	0	0	0
72 VETERINARIANS										
17	AGRICULTURAL PRODUCTION	162	84	10	4	6	0	63	5	
18	AGRICULTURAL SERVICES, EXC HORT	16446	4857	242	96	130	16	11290	57	
19	HORTICULTURAL SERVICES	26	0	5	0	5	0	21	0	
68	GENERAL CONTRACTORS, EXC BLOG	3	0	0	0	0	0	3	0	
207	RADIO, TV, COMMUN EQUIP	6	6	0	0	0	0	0	0	
247	OPTICAL, HEALTH SERV SUPPLIES	5	0	0	0	0	0	5	0	
268	MEAT PRODUCTS	48	41	7	7	0	0	0	0	
269	DAIRY PRODUCTS	5	5	0	0	0	0	0	0	
279	GRAIN MILL PRODUCTS	38	38	0	0	0	0	0	0	
297	MISC FOOD PREPARATION	5	5	0	0	0	0	0	0	
347	INDUSTRIAL CHEMICALS	4	4	0	0	0	0	0	0	
357	DRUGS AND MEDICINES	127	127	0	0	0	0	0	0	
367	AGRICULTURAL CHEMICALS	5	5	0	0	0	0	0	0	
508	DRUGS, CHEMICALS, ALLIED PROO	5	5	0	0	0	0	0	0	
528	FARM PROO-RAW MATERIAL	31	25	6	0	6	0	0	0	
587	WHOLESALE, NEC	5	5	0	0	0	0	0	0	

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER					LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT WORKERS		STATE	LOCAL			
					FEDERAL	FEDERAL					
72 VETERINARIANS CONTINUED											
628	GROCERY STORES	4	4	0	0	0	0	0	0	0	
677	DRUG STORES	6	6	0	0	0	0	0	0	0	
679	FARM, GARDEN SUPPLY STORES	14	14	0	0	0	0	0	0	0	
729	COMMERCIAL R AND D	46	27	19	0	0	0	0	0	0	
748	OTHER MISC BUSINFSS SERVICES	5	0	5	0	0	0	0	0	0	
809	MISC ENTERTAINMENT	40	21	9	0	9	0	10	0	0	
828	OFFICES OF PHYSICIANS	29	22	0	0	0	0	7	0	0	
838	HOSPITALS	317	136	31	0	0	0	144	0	6	
839	CONVALESCENT INSTITUTIONS	5	5	0	0	0	0	0	0	0	
847	HEALTH PRACTITIONERS, NEC	5	0	0	0	0	0	5	0	0	
848	HEALTH SERVICES, NEC	234	0	230	46	0	113	4	0	0	
857	ELEMENTARY, SECONDARY	4	4	0	0	0	0	0	0	0	
858	COLLEGES AND UNIVERSITIES	466	76	385	20	0	365	0	5	0	
867	EDUCATIONAL SERVICES, NEC	6	6	0	0	0	0	0	0	0	
869	MUSEUMS, ART GALLERIES; ZOOS	23	0	20	5	0	0	15	3	0	
887	NONPROFIT MEMBERSHIP	65	65	0	0	0	0	0	0	0	
897	MISC PROFESSIONAL SERVICES	44	21	23	0	0	0	0	0	0	
917	FEDERAL PUBLIC ADMIN	817	0	817	0	0	0	0	0	0	
927	STATE PUBLIC ADMIN	341	0	341	0	0	341	0	0	0	
937	LOCAL PUBLIC ADMIN	24	0	24	0	0	0	24	0	0	
150 AGRIC., BIOLOGICAL TECH., EXC. HEALTH											
17	AGRICULTURAL PRODUCTION	1066	617	285	92	169	24	138	26		
18	AGRICULTURAL SERVICES, EXC HORT	2617	1876	154	37	90	27	577	10		
19	HORTICULTURAL SERVICES	23	18	5	0	5	0	0	0		
27	FORESTRY	74	5	69	49	15	5	0	0		
28	FISHERIES	64	24	32	4	28	0	8	0		
47	METAL MINING	16	16	0	0	0	0	0	0		
48	COAL MINING	4	4	0	0	0	0	0	0		
49	CRUDE PETROLEUM AND NAT GAS	25	25	0	0	0	0	0	0		
57	NONMETALLIC MINING, QUARRYING	6	6	0	0	0	0	0	0		
67	GENERAL BUILDING CONTRACTORS	27	20	7	7	0	0	0	0		
68	GENERAL CONTRACTORS, EXC BLDG	1149	92	1044	108	865	71	13	0		
69	SPECIAL TRADE CONTRACTORS	21	21	0	0	0	0	0	0		
108	SAWMILL, PLANNING MILL, MILL WK	12	12	0	0	0	0	0	0		
127	CEMENT, CONCRETE, PLASTER	9	9	0	0	0	0	0	0		
128	STRUCTURAL CLAY PROD	10	10	0	0	0	0	0	0		
138	MISC NONMETALLIC, STONE	6	6	0	0	0	0	0	0		
139	BLAST FURNACES, STEEL WKS	7	7	0	0	0	0	0	0		
147	OTHER PRIMARY STEEL	7	7	0	0	0	0	0	0		
158	FABRICATED METAL PROD	5	5	0	0	0	0	0	0		

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER GOVERNMENT FEDERAL STATE	GOVERNMENT STATE			
150 AGRIC. BIOLOGICAL TECH., EXC. HEALTH CONTINUED									
167	METAL STAMPING	5	5	0	0	0	0	0	0
168	MISC FABRICATED METAL PROD	15	15	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	15	15	0	0	0	0	0	0
179	CONSTRUCTION MACHINES	4	4	0	0	0	0	0	0
189	ELECTRONIC COMPUTING EQUIP	6	6	0	0	0	0	0	0
197	MACHINERY, NEC	61	56	5	0	0	5	0	0
199	HOUSEHOLD APPLIANCES	6	6	0	0	0	0	0	0
207	RADIO, TV, COMMUN EQUIP	10	10	0	0	0	0	0	0
208	ELECTRICAL MACHINERY, NEC	18	18	0	0	0	0	0	0
219	MOTOR VEHICLE EQUIP	17	17	0	0	0	0	0	0
227	AIRCRAFT AND PARTS	91	85	6	0	0	0	0	0
228	SHIP, BOAT BUILDING, REPAIR	4	4	0	0	0	0	0	0
237	MOBILE DWELLING	5	5	0	0	0	0	0	0
239	SCIENTIFIC INSTRUMENTS	41	41	0	0	0	0	0	0
247	OPTICAL, HEALTH SERV SUPPLIES	19	19	0	0	0	0	0	0
248	PHOTO EQUIP AND SUPPLIES	22	22	0	0	0	0	0	0
258	ORDNANCE	99	94	5	0	0	0	0	0
259	MISC MANUFACTURING	87	87	0	0	0	0	0	0
268	MEAT PRODUCTS	452	442	6	0	6	0	4	0
269	DAIRY PRODUCTS	2557	2498	51	18	14	19	8	0
278	CANNING AND PRESERVING	1612	1602	0	0	0	0	0	10
279	GRAIN MILL PRODUCTS	1361	1347	14	4	4	6	0	0
287	BAKERY PRODUCTS	191	191	0	0	0	0	0	0
288	CONFECTIONARY PRODUCTS	342	342	0	0	0	0	0	0
289	BEVERAGE INDUSTRIES	1086	1081	5	0	0	5	0	0
297	MISC FOOD PREPARATION	1641	1629	12	7	5	0	0	0
299	TOBACCO MANUFACTURING	40	40	0	0	0	0	0	0
308	DYEING, FINISHING TEXTILES	6	6	0	0	0	0	0	0
317	YARN, FABRIC MILLS	6	6	0	0	0	0	0	0
327	MISC FABRICATED PRODUCTS	6	6	0	0	0	0	0	0
328	PULP, PAPER, PAPRBOARD MILLS	24	19	0	0	0	0	5	0
329	MISC PAPER AND PULP PRODUCT	5	5	0	0	0	0	0	0
347	INDUSTRIAL CHEMICALS	68	68	0	0	0	0	0	0
357	DRUGS AND MEDICINES	5465	5426	34	23	0	11	5	0
358	SOAPS AND COSMETICS	51	51	0	0	0	0	0	0
359	PAINTS, VARNISHES	7	7	0	0	0	0	0	0
367	AGRICULTURAL CHEMICALS	46	46	0	0	0	0	0	0
368	MISC CHEMICALS	8	8	0	0	0	0	0	0
377	PETROLEUM REFINING	23	23	0	0	0	0	0	0
379	RUBBER PRODUCTS	25	21	4	0	0	4	0	0
387	MISC PLASTIC PRODUCTS	14	14	0	0	0	0	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	WAGE AND TOTAL	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
					GOVERNMENT FEDERAL	STATE	WORKERS			
	150 AGRIC., BIOLOGICAL TECH., EXC. HEALTH CONTINUED									
397	ALL OTHER LEATHER PRODUCTS	5	5	0	0	0	0	0	0	0
408	STREET RAILWAYS, BUS LINE	5	0	5	0	0	0	0	0	0
417	TRUCKING SERVICE	17	17	0	0	0	0	0	0	0
418	WAREHOUSING AND STORAGE	10	10	0	0	0	0	0	0	0
427	AIR TRANSPORTATION	4	0	4	4	0	0	0	0	0
429	TRANSPORTATION SERVICES	14	0	14	0	14	0	0	0	0
447	RADIO BROADCASTING, TV	5	5	0	0	0	0	0	0	0
467	ELECTRIC LIGHT AND POWER	8	8	0	0	0	0	0	0	0
477	WATER SUPPLY	64	0	64	0	27	37	0	0	0
478	SANITARY SERVICES	9	0	9	0	0	9	0	0	0
479	OTHER UTILITIES, NEC	30	5	25	25	0	0	0	0	0
508	DRUGS, CHEMICALS, ALLIED PROD	25	25	0	0	0	0	0	0	0
527	FOOD AND RELATED PROD	590	573	0	0	0	0	17	0	0
528	FARM PROD--RAW MATERIAL	53	44	0	0	0	0	9	0	0
529	ELECTRICAL GOODS	25	25	0	0	0	0	0	0	0
539	MACHINERY EQUIP, SUPPLIES	17	17	0	0	0	0	0	0	0
558	PETROLEUM PRODUCTS	7	7	0	0	0	0	0	0	0
567	ALCOHOLIC BEVERAGES	5	5	0	0	0	0	0	0	0
587	WHOLESALE, NEC	156	151	0	0	0	0	0	5	0
608	HARDWARE AND FARM EQUIPMENT	13	4	0	0	0	0	9	0	0
627	MISC MERCHANDISE STORES	6	6	0	0	0	0	0	0	0
628	GROCERY STORES	7	7	0	0	0	0	0	0	0
629	DAIRY PROD STORES	54	54	0	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	97	97	0	0	0	0	0	0	0
689	RETAIL FLORISTS	6	6	0	0	0	0	0	0	0
697	MISC RETAIL TRADE STORES	16	16	0	0	0	0	0	0	0
709	STOCK BROKERS, INVESTMENT	6	6	0	0	0	0	0	0	0
727	ADVERTISING	5	5	0	0	0	0	0	0	0
729	COMMERCIAL R AND D	1070	866	123	36	72	15	77	4	0
738	BUSINESS MANAGEMENT SERVICES	10	10	0	0	0	0	0	0	0
748	OTHER MISC BUSINESS SERVICES	64	64	0	0	0	0	0	0	0
757	AUTO REPAIR	5	5	0	0	0	0	0	0	0
759	OTHER REPAIR SERVICES	3	0	0	0	0	0	3	0	0
769	PRIVATE HOUSEHOLDS	9	9	0	0	0	0	0	0	0
828	OFFICES OF PHYSICIANS	46	46	0	0	0	0	0	0	0
829	OFFICES OF DENTISTS	3	0	3	3	0	0	0	0	0
838	HOSPITALS	603	346	257	136	50	71	0	0	0
848	HEALTH SERVICES, NEC	299	109	185	44	90	51	5	0	0
857	ELEMENTARY, SECONDARY	19	5	14	0	0	14	0	0	0
858	COLLEGES AND UNIVERSITIES	2672	734	1933	87	1768	78	5	0	0
867	EDUCATIONAL SERVICES, NEC	9	5	4	0	4	0	0	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED**, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER GOVERNMENT FEDERAL	WORKER STATE			
	150 AGRIC., BIOLOGICAL TECH., EXC. HEALTH CONTINUED								
869	MUSEUMS, ART GALLERIES† ZOOS	27	18	5	0	5	0	4	0
887	NONPROFIT MEMBERSHIP	656	656	0	0	0	0	0	0
888	ENG AND ARCH SERVICES	407	402	5	0	0	5	0	0
897	MISC PROFESSIONAL SERVICES	271	150	117	61	49	7	4	0
917	FEDERAL PUBLIC ADMIN	1530	0	1530	0	0	0	0	0
927	STATE PUBLIC ADMIN	633	0	633	0	633	0	0	0
937	LOCAL PUBLIC ADMIN	159	0	159	0	0	159	0	0
	480 FARM IMPLEMENT REPAIRMEN								
17	AGRICULTURAL PRODUCTION	1022	956	26	13	13	0	12	28
18	AGRICULTURAL SERVICES, EXC HORT	176	166	0	0	0	0	10	0
19	HORTICULTURAL SERVICES	6	6	0	0	0	0	0	0
47	METAL MINING	25	25	0	0	0	0	0	0
48	COAL MINING	44	44	0	0	0	0	0	0
49	CRUDE PETROLEUM AND NAT GAS	35	35	0	0	0	0	0	0
57	NONMETALLIC MINING, QUARRYING	42	42	0	0	0	0	0	0
67	GENERAL BUILDING CONTRACTORS	46	46	0	0	0	0	0	0
68	GENERAL CONTRACTORS, EXC BLDG	118	65	38	0	17	21	15	0
69	SPECIAL TRADE CONTRACTORS	206	183	0	0	0	0	23	0
108	SAWMILL, PLANING MILL, MILL WK	24	19	0	0	0	0	5	0
109	MISC WOOD PROD	6	6	0	0	0	0	0	0
118	FURNITURE AND FIXTURES	15	15	0	0	0	0	0	0
119	GLASS AND GLASS PROD	3	3	0	0	0	0	0	0
127	CEMENT, CONCRETE, PLASTER	4	4	0	0	0	0	0	0
128	STRUCTURAL CLAY PROD	14	14	0	0	0	0	0	0
138	MISC NONMETALLIC, STONE	18	18	0	0	0	0	0	0
139	BLAST FURNACES, STEEL WKS	36	36	0	0	0	0	0	0
147	OTHER PRIMARY STFL	9	9	0	0	0	0	0	0
148	PRIMARY ALUMINUM IND	31	31	0	0	0	0	0	0
149	OTHER PRIMARY NONFERROUS	14	14	0	0	0	0	0	0
158	FABRICATED METAL PROD	27	27	0	0	0	0	0	0
167	METAL STAMPING	12	5	0	0	0	0	7	0
168	MISC FABRICATED METAL PROD	58	58	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	283	283	0	0	0	0	0	0
179	CONSTRUCTION MACHINES	35	35	0	0	0	0	0	0
188	OFFICE, ACCOUNTING MACHINES	11	11	0	0	0	0	0	0
189	ELECTRONIC COMPUTING EQUIP	8	8	0	0	0	0	0	0
197	MACHINERY, NEC	100	95	0	0	0	0	5	0
199	HOUSEHOLD APPLIANCES	13	13	0	0	0	0	0	0
207	RADIO, TV, COMMUN EQUIP	10	10	0	0	0	0	0	0
208	ELECTRICAL MACHINERY, NEC	65	65	0	0	0	0	0	0

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER				
					FEDERAL	STATE			
				480 FARM IMPLEMENT REPAIRMEN CONTINUED					
219	MOTOR VEHICLE EQUIP	40	40	0	0	0	0	0	0
227	AIRCRAFT AND PARTS	19	19	0	0	0	0	0	0
247	OPTICAL, HEALTH SERV SUPPLIES	31	31	0	0	0	0	0	0
248	PHOTO EQUIP AND SUPPLIES	6	6	0	0	0	0	0	0
258	ORDNANCE	23	20	3	0	0	0	0	0
259	MISC MANUFACTURING	5	5	0	0	0	0	0	0
269	DAIRY PRODUCTS	66	66	0	0	0	0	0	0
278	CANNING AND PRESFRVING	47	47	0	0	0	0	0	0
279	GRAIN MILL PRODUCTS	10	10	0	0	0	0	0	0
287	BAKERY PRODUCTS	10	10	0	0	0	0	0	0
289	BEVERAGE INDUSTRIES	5	5	0	0	0	0	0	0
297	MISC FOOD PREPARATION	28	28	0	0	0	0	0	0
299	TOBACCO MANUFACTURING	10	10	0	0	0	0	0	0
307	KNITTING MILLS	27	27	0	0	0	0	0	0
308	DYEING, FINISHING TEXTILES	9	9	0	0	0	0	0	0
317	YARN, FABRIC MILLS	42	42	0	0	0	0	0	0
319	APPAREL AND ACCESSORIES	10	10	0	0	0	0	0	0
327	MISC FABRICATED PRODUCTS	8	8	0	0	0	0	0	0
328	PULP, PAPER, PAPERBOARD MILLS	28	28	0	0	0	0	0	0
329	MISC PAPER AND PULP PRODUCT	10	10	0	0	0	0	0	0
337	PAPERBOARD CONTAINERS, BOXES	9	9	0	0	0	0	0	0
338	NEWSPAPER PUBLISHING, PRINTING	11	11	0	0	0	0	0	0
339	PRINTING, PUBLISHING, EXC NEWS	7	7	0	0	0	0	0	0
347	INDUSTRIAL CHEMICALS	34	28	6	0	0	0	0	0
348	PLASTICS, SYNTHETICS	6	6	0	0	0	0	0	0
349	SYNTHETIC FIBERS	11	11	0	0	0	0	0	0
367	AGRICULTURAL CHEMICALS	6	6	0	0	0	0	0	0
377	PETROLEUM REFINING	10	10	0	0	0	0	0	0
379	RUBBER PRODUCTS	16	16	0	0	0	0	0	0
387	MISC PLASTIC PRODUCTS	38	38	0	0	0	0	0	0
389	FOOTWEAR, EXCEPT RUBBER	6	6	0	0	0	0	0	0
408	STREET RAILWAYS, BUS LINE	4	0	4	0	0	4	0	0
417	TRUCKING SERVICE	19	19	0	0	0	0	0	0
418	WAREHOUSING AND STORAGE	20	20	0	0	0	0	0	0
419	WATER TRANSPORTATION	6	6	0	0	0	0	0	0
428	PIPELINES	5	5	0	0	0	0	0	0
448	TELEPHONE (WIRE AND RADIO)	4	4	0	0	0	0	0	0
467	ELECTRIC LIGHT AND POWER	10	10	0	0	0	0	0	0
468	ELECTRIC-GAS UTILITIES	10	10	0	0	0	0	0	0
469	GAS, STEAM SUPPLY SYSTEMS	19	19	0	0	0	0	0	0
478	SANITARY SERVICES	4	4	0	0	0	0	0	0

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT FEDERAL	WORKERS STATE			
				480 FARM IMPLEMENT REPAIRMEN CONTINUED					
479	OTHER UTILITIES, NEC	146	122	6	6	0	0	18	0
507	MOTOR VEHICLES AND EQUIP	65	59	0	0	0	0	6	0
508	DRUGS, CHEMICALS, ALLIED PROD	16	11	0	0	0	0	5	0
527	FOOD AND RELATED PROD	77	77	0	0	0	0	0	0
528	FARM PROD--RAW MATERIAL	81	81	0	0	0	0	0	0
529	ELECTRICAL GOODS	25	25	0	0	0	0	0	0
537	HARDWARE, PLUMBING	17	17	0	0	0	0	0	0
539	MACHINERY EQUIP, SUPPLIES	5666	5562	4	4	0	0	100	0
557	METALS AND MINERALS, NEC	5	5	0	0	0	0	0	0
558	PETROLEUM PRODUCTS	15	15	0	0	0	0	0	0
559	SCRAP AND WASTE MATERIAL	5	5	0	0	0	0	0	0
568	PAPER AND ITS PRODUCTS	11	11	0	0	0	0	0	0
569	LUMBER, CONSTR. MATERIALS	26	26	0	0	0	0	0	0
587	WHOLESALE, NEC	40	40	0	0	0	0	0	0
607	LUMBER, BUILDING MATERIAL	100	95	0	0	0	0	5	0
608	HARDWARE AND FARM EQUIPMENT	17300	16842	34	0	11	23	380	44
609	DEPARTMENT, MAIL ORDER	45	45	0	0	0	0	0	0
618	VENDING MACHINE OPERATORS	16	16	0	0	0	0	0	0
627	MISC MERCHANDISE STORES	6	6	0	0	0	0	0	0
628	GROCERY STORES	20	20	0	0	0	0	0	0
629	DAIRY PROD STORES	5	5	0	0	0	0	0	0
637	RETAIL BAKERIES	5	5	0	0	0	0	0	0
638	FOOD STORES, NEC	3	3	0	0	0	0	0	0
639	MOTOR VEHICLE DEALERS	39	39	0	0	0	0	0	0
647	TIRE, BATTERY ACCESSORY	5	5	0	0	0	0	0	0
648	GASOLINE SERVICE STATIONS	13	13	0	0	0	0	0	0
649	MISC VEHICLE DEALERS	11	11	0	0	0	0	0	0
668	APPLIANCE, TV, RADIO STORES	21	21	0	0	0	0	0	0
677	DRUG STORES	6	6	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	336	325	0	0	0	0	11	0
688	FUEL AND ICE DEALERS	23	23	0	0	0	0	0	0
697	MISC RETAIL TRADE STORES	50	45	0	0	0	0	5	0
708	CREDIT AGENCIES	6	6	0	0	0	0	0	0
709	STOCK BROKERS, INVESTMENT	5	5	0	0	0	0	0	0
718	REAL ESTATE, RE LAW INSURANCE	12	12	0	0	0	0	0	0
727	ADVERTISING	4	4	0	0	0	0	0	0
728	SERVICES BUILDINGS	3	3	0	0	0	0	0	0
729	COMMERCIAL R AND D	7	7	0	0	0	0	0	0
739	COMPUTER PROGRAMMING	5	5	0	0	0	0	0	0
748	OTHER MISC BUSINESS SERVICES	62	58	0	0	0	0	4	0
749	AUTO SERVICES, EXC REPAIR	30	24	0	0	0	0	6	0

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CODE	INDUSTRY	TOTAL ALL CLASSES		CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
		PRIVATE	480 FARM IMPLEMENT REPAIRMEN CONTINUED	WAGE AND SALARY WORKER GOVERNMENT WORKERS		STATE			
				TOTAL	FEDERAL				
757	AUTO REPAIR	36	0	0	0	0	0	22	0
758	ELECTRICAL REPAIR SHOP	77	0	0	0	0	0	3	0
759	OTHER REPAIR SERVICES	74	21	21	0	0	0	1627	75
769	PRIVATE HOUSEHOLDS	5424	0	0	0	0	0	0	0
777	HOTELS AND MOTELS	5	0	0	0	0	0	0	0
779	HOTELS AND MOTELS	20	0	0	0	0	0	0	0
779	LAUNDRY, CLEANING	16	0	0	0	0	0	0	0
798	OTHER PERSONAL SERVICES	7	0	0	0	0	0	0	0
808	BOWLING ALLEYS, BILLIARDS	7	0	0	0	0	0	0	0
809	MISC ENTERTAINMENT	11	0	0	0	0	0	0	0
838	HOSPITALS	6	0	0	0	0	0	0	0
839	HOSPITALS	27	4	23	4	13	6	0	0
839	CONVALESCENT INSTITUTIONS	4	0	0	0	0	0	0	0
857	ELEMENTARY, SECONDARY	4	0	0	0	0	0	0	0
857	ELEMENTARY, SECONDARY	20	0	20	0	0	20	0	0
858	COLLEGES AND UNIVERSITIES	52	0	52	0	52	0	0	0
887	NONPROFIT MEMBERSHIP	13	0	0	0	0	0	0	0
897	MISC PROFESSIONAL SERVICES	12	6	6	6	0	0	0	0
907	POSTAL SERVICE	25	0	25	0	0	0	0	0
917	FEDERAL PUBLIC ADMIN	0	0	0	0	0	0	0	0
927	FEDERAL PUBLIC ADMIN	72	0	72	0	0	0	0	0
927	STATE PUBLIC ADMIN	12	0	12	0	12	0	0	0
937	LOCAL PUBLIC ADMIN	25	0	25	0	0	25	0	0
501 MILLERS: GRAIN, FLOUR, AND FEED									
17	AGRICULTURAL PRODUCTION	4	0	0	0	0	0	0	0
47	METAL MINING	5	0	0	0	0	0	0	0
67	GENERAL BUILDING CONTRACTORS	8	0	0	0	0	0	0	0
69	SPECIAL TRADE CONTRACTORS	24	0	0	0	0	0	4	0
108	SAWMILL, PLANNING MILL, MILL WK	21	0	0	0	0	0	0	0
109	MISC WOOD PROD	6	0	0	0	0	0	0	0
139	BLAST FURNACES, STEEL WKS	20	0	0	0	0	0	0	0
147	OTHER PRIMARY STEEL	9	0	0	0	0	0	0	0
157	CUTLERY, OTHER HARDWARE	5	0	0	0	0	0	0	0
158	FABRICATED METAL PROD	13	0	0	0	0	0	0	0
168	MISC FABRICATED METAL PROD	5	0	0	0	0	0	0	0
179	CONSTRUCTION MACHINES	24	0	0	0	0	0	5	0
187	METALWORKING MACHINERY	5	0	0	0	0	0	0	0
197	MACHINERY, NEC	14	0	0	0	0	0	0	0
208	ELECTRICAL MACHINERY, NEC	4	0	0	0	0	0	0	0
219	MOTOR VEHICLE EQUIP	19	0	0	0	0	0	0	0
227	AIRCRAFT AND PARTS	9	0	0	0	0	0	0	0
228	SHIP, BOAT BUILDING, REPAIR	5	0	0	0	0	0	0	0
258	ORDNANCE	5	0	0	0	0	0	0	0
259	MISC MANUFACTURING	20	0	0	0	0	0	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES		PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
		WAGE AND SALARY WORKER			FEDERAL	STATE	MILLERS; GRAIN, FLOUR, AND FEED CONTINUED	GOVERNMENT WORKERS			
		TOTAL	FEDERAL								
269	DAIRY PRODUCTS	12	12	12	0	0	0	0	0	0	
278	CANNING AND PRESERVING	47	37	37	0	0	0	0	5	5	
279	GRAIN MILL PRODUCTS	6313	5701	5701	46	0	25	21	529	37	
289	BEVERAGE INDUSTRIES	50	50	50	0	0	0	0	0	0	
297	MISC FOOD PREPARATION	79	79	79	0	0	0	0	0	0	
309	FLOOR COVERINGS	6	6	6	0	0	0	0	0	0	
317	YARN, FABRIC MILLS	5	5	5	0	0	0	0	0	0	
318	MISC TEXTILE MILL PRODUCTS	6	6	6	0	0	0	0	0	0	
328	PULP, PAPER, PAPERBOARD MILLS	22	22	22	0	0	0	0	0	0	
337	PAPERBOARD CONTAINERS, BOXES	4	4	4	0	0	0	0	0	0	
339	PRINTING, PUBLISHING EXC NEWS	14	14	14	0	0	0	0	0	0	
349	SYNTHETIC FIBERS	5	5	5	0	0	0	0	0	0	
377	PETROLEUM REFINING	5	5	5	0	0	0	0	0	0	
379	RUBBER PRODUCTS	40	40	40	0	0	0	0	0	0	
417	TRUCKING SERVICE	4	4	4	0	0	0	0	0	0	
418	WAREHOUSING AND STORAGE	4	4	4	0	0	0	0	0	0	
427	AIR TRANSPORTATION	6	6	6	0	0	0	0	0	0	
508	DRUGS, CHEMICALS, ALLIED PROD	5	5	5	5	0	0	5	0	0	
509	DRY GOODS AND APPAREL	5	5	5	0	0	0	0	0	0	
527	FOOD AND RELATED PROD	6	6	6	0	0	0	0	0	0	
528	FARM PROD-RAW MATERIAL	158	153	153	0	0	0	0	5	0	
539	MACHINERY EQUIP, SUPPLIES	3	3	3	0	0	0	0	0	0	
569	LUMBER, CONSTR. MATERIALS	6	6	6	0	0	0	0	0	0	
607	LUMBER, BUILDING MATERIAL	5	5	5	0	0	0	0	0	0	
609	DEPARTMENT, MAIL ORDER	5	5	5	0	0	0	0	0	0	
679	FARM, GARDEN SUPPLY STORES	39	36	36	3	0	0	3	0	0	
697	MISC RETAIL TRADE STORES	10	10	10	0	0	0	0	3	0	
777	HOTELS AND MOTELS	6	6	6	0	0	0	6	0	0	
857	ELEMENTARY, SECONDARY	5	5	5	5	0	0	5	0	0	
858	COLLEGES AND UNIVERSITIES	4	4	4	0	0	0	0	0	0	
887	NONPROFIT MEMBERSHIP	4	4	4	0	0	0	0	0	0	
631 MEAT CUTTERS AND BUTCHERS, EXC. MFG.											
17	AGRICULTURAL PRODUCTION	203	182	182	5	5	0	0	11	5	
18	AGRICULTURAL SERVICES, EXC HORT	107	90	90	0	0	0	0	17	0	
19	HORTICULTURAL SERVICES	4	4	4	0	0	0	0	0	0	
27	FORESTRY	5	0	0	5	5	0	0	0	0	
28	FISHERIES	206	189	189	9	0	4	5	8	0	
48	COAL MINING	23	23	23	0	0	0	0	0	0	
57	NONMETALLIC MINING, QUARRYING	12	12	12	0	0	0	0	0	0	
67	GENERAL BUILDING CONTRACTORS	15	5	5	0	0	0	0	5	5	

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT FEDERAL	WORKER STATE	WORKERS			
631 MEAT CUTTERS AND BUTCHERS, EXC. MFG.										
CONTINUED										
68	GENERAL CONTRACTORS, EXC BLDG	27	20	7	0	0	0	0	0	0
69	SPECIAL TRADE CONTRACTORS	12	12	0	0	0	0	0	0	0
407	RAILROADS, RAILWAY EXPRESS	5	5	0	0	0	0	0	0	0
417	TRUCKING SERVICE	18	12	6	0	0	6	0	0	0
418	WAREHOUSING AND STORAGE	2227	1676	22	5	0	17	501	28	0
419	WATER TRANSPORTATION	12	7	5	0	0	0	0	0	0
427	AIR TRANSPORTATION	7	7	0	0	0	0	0	0	0
429	TRANSPORTATION SERVICES	16	16	0	0	0	0	0	0	0
448	TELEPHONE (WIRE AND RADIO)	4	4	0	0	0	0	0	0	0
467	ELECTRIC LIGHT AND POWER	8	8	0	0	0	0	0	0	0
468	ELECTRIC-GAS UTILITIES	5	5	0	0	0	0	0	0	0
477	WATER SUPPLY	6	6	0	0	0	0	0	0	0
478	SANITARY SERVICES	5	5	0	0	0	0	0	0	0
507	MOTOR VEHICLES AND EQUIP	10	10	0	0	0	0	0	0	0
508	DRUGS, CHEMICALS, ALLIED PROD	10	10	0	0	0	0	0	0	0
509	DRY GOODS AND APPAREL	26	26	0	0	0	0	0	0	0
527	FOOD AND RELATED PROD	22839	21995	192	74	35	83	622	30	0
528	FARM PROD--RAW MATERIAL	402	387	0	0	0	0	15	0	0
529	ELECTRICAL GOODS	23	23	0	0	0	0	0	0	0
537	HARDWARE, PLUMBING	23	23	0	0	0	0	0	0	0
539	MACHINERY EQUIP, SUPPLIES	72	72	0	0	0	0	0	0	0
557	METALS AND MINERALS, NEC	9	5	4	0	0	4	0	0	0
558	PETROLEUM PRODUCTS	9	9	0	0	0	0	0	0	0
559	SCRAP AND WASTE MATERIAL	3	3	0	0	0	0	0	0	0
567	ALCOHOLIC BEVERAGES	5	5	0	0	0	0	0	0	0
569	LUMBER, CONSTR. MATERIALS	4	4	0	0	0	0	0	0	0
587	WHOLESALE, NEC	67	63	4	0	0	4	0	0	0
607	LUMBER, BUILDING MATERIAL	24	24	0	0	0	0	0	0	0
608	HARDWARE AND FARM EQUIPMENT	6	6	6	0	0	0	0	0	0
609	DEPARTMENT, MAIL ORDER	756	731	9	3	6	0	11	5	0
617	LIMITED PRICE STORES	80	76	0	0	0	0	4	0	0
618	VENDING MACHINE OPERATORS	26	26	0	0	0	0	0	0	0
619	DIRECT SELLING	46	46	0	0	0	0	0	0	0
627	MISC MERCHANDISE STORES	538	445	64	59	5	0	29	0	0
628	GROCERY STORES	136683	128696	1419	1199	54	166	6266	302	0
629	DAIRY PROD STORES	20	20	0	0	0	0	0	0	0
637	RETAIL BAKERIES	100	68	0	0	0	0	32	0	0
638	FOOD STORES, NEC	27170	19540	82	55	9	18	7375	173	0
639	MOTOR VEHICLE DEALERS	155	136	0	0	0	0	19	0	0
647	TIRE, BATTERY ACCESSORY	26	18	0	0	0	0	8	0	0
648	GASOLINE SERVICE STATIONS	272	249	0	0	0	0	18	5	0

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY FEDERAL	GOVERNMENT STATE	WORKER STATE			
631 MEAT CUTTERS AND BUTCHERS, EXC. MFG. CONTINUED										
649	MISC VEHICLE DEALERS	9	9	0	0	0	0	0	0	0
657	APPAREL, ACCESSORIES STORES	86	86	0	0	0	0	0	0	0
667	HOME FURNISHING STORES	40	40	0	0	0	0	0	0	0
668	APPLIANCE, TV, RADIO STORES	21	21	0	0	0	0	0	0	0
669	EATING AND DRINKING PLACES	2926	2793	44	27	5	12	84	5	5
677	DRUG STORES	24	24	0	0	0	0	0	0	0
678	LIQUOR STORES	12	12	0	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	15	15	0	0	0	0	0	0	0
688	FUEL AND ICE DEALERS	17	17	0	0	0	0	0	0	0
689	RETAIL FLORISTS	4	4	0	0	0	0	0	0	0
697	MISC RETAIL TRADE STORES	35	35	0	0	0	0	0	0	0
709	STOCK BROKERS, INVESTMENT	7	7	0	0	0	0	0	0	0
717	INSURANCE	34	23	3	0	0	0	3	8	0
718	REAL ESTATE, RE LAW INSURANCE	37	32	0	0	0	0	0	0	5
727	ADVERTISING	6	6	0	0	0	0	0	0	0
729	COMMERCIAL R AND D	6	0	6	0	0	0	0	0	0
737	EMPLOYMENT, TEMPORARY HELP	19	19	0	0	0	0	0	0	0
738	BUSINESS MANAGEMENT SERVICES	21	21	0	0	0	0	0	0	0
748	OTHER MISC BUSINESS SERVICES	32	32	0	0	0	0	0	0	0
749	AUTO SERVICES, EXC REPAIR	13	13	0	0	0	0	0	0	0
757	AUTO REPAIR	33	33	0	0	0	0	0	0	0
759	OTHER REPAIR SERVICES	14	14	0	0	0	0	0	0	0
769	PRIVATE HOUSEHOLDS	18	14	0	0	0	0	4	0	0
777	HOTELS AND MOTELS	533	529	0	0	0	0	4	0	0
778	LODGING PLACES, EXC HOTELS	5	5	0	0	0	0	0	0	0
779	LAUNDRY, CLEANING	177	145	5	5	0	0	16	11	0
787	BEAUTY SHOPS	5	5	0	0	0	0	0	0	0
788	BARBER SHOPS	7	7	0	0	0	0	0	0	0
807	MOTION PICTURES, THEATERS	6	6	0	0	0	0	0	0	0
809	MISC ENTERTAINMENT	130	130	0	0	0	0	0	0	0
838	HOSPITALS	1178	254	900	307	473	120	24	0	0
839	CONVALESCENT INSTITUTIONS	97	31	66	0	38	28	0	0	0
848	HEALTH SERVICES, NEC	11	6	5	0	5	0	0	0	0
857	ELEMENTARY, SECONDARY	127	55	72	0	35	37	0	0	0
858	COLLEGES AND UNIVERSITIES	531	135	396	28	358	10	0	0	0
867	EDUCATIONAL SERVICES, NEC	49	4	45	0	45	0	0	0	0
877	RELIGIOUS ORGANIZATIONS	20	20	0	0	0	0	0	0	0
878	WELFARE SERVICES	30	21	4	0	4	0	5	0	0
879	RESIDENTIAL WELFARE	15	6	9	9	0	0	0	0	0
887	NONPROFIT MEMBERSHIP	50	50	0	0	0	0	0	0	0
907	POSTAL SERVICE	189	0	189	189	0	0	0	0	0

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY FEDERAL	GOVERNMENT STATE			
917	FEDERAL PUBLIC ADMIN	1205	0	1205	0	0	0	0	
927	STATE PUBLIC ADMIN	111	0	111	0	0	0	0	
937	LOCAL PUBLIC ADMIN	74	0	74	0	74	0	0	
631 MEAT CUTTERS AND BUTCHERS, EXC. MFG.									
CONTINUED									
107	LOGGING	4	4	0	0	0	0	0	
108	SAWMILL, PLANNING MILL, MILL WK	34	30	0	0	0	0	4	
109	MISC WOOD PROD	5	5	0	0	0	0	0	
118	FURNITURE AND FIXTURES	87	87	0	0	0	0	0	
119	GLASS AND GLASS PROD	13	13	0	0	0	0	0	
137	POTTERY AND RELATED PROD	5	5	0	0	0	0	0	
139	BLAST FURNACES, STEEL WKS	46	46	0	0	0	0	0	
147	OTHER PRIMARY STEEL	14	14	0	0	0	0	0	
148	PRIMARY ALUMINUM IND	5	5	0	0	0	0	0	
149	OTHER PRIMARY NONFERROUS	9	9	0	0	0	0	0	
157	CUTLERY, OTHER HARDWARE	9	9	0	0	0	0	0	
158	FABRICATED METAL PROD	11	11	0	0	0	0	0	
159	SCREW MACHINE PROD	7	7	0	0	0	0	0	
167	METAL STAMPING	76	76	0	0	0	0	0	
168	MISC FABRICATED METAL PROD	145	145	0	0	0	0	0	
178	FARM MACHINERY, EQUIP	10	10	0	0	0	0	0	
179	CONSTRUCTION MACHINES	11	11	0	0	0	0	0	
188	OFFICE, ACCOUNTING MACHINES	16	16	0	0	0	0	0	
197	MACHINERY, NEC	160	143	12	12	0	0	5	
199	HOUSEHOLD APPLIANCES	5	5	0	0	0	0	0	
207	RADIO, TV, COMMUN EQUIP	16	16	0	0	0	0	0	
208	ELECTRICAL MACHINERY, NEC	36	36	0	0	0	0	0	
219	MOTOR VEHICLE EQUIP	31	31	0	0	0	0	0	
227	AIRCRAFT AND PARTS	27	27	0	0	0	0	0	
228	SHIP, BOAT BUILDING, REPAIR	15	5	10	10	0	0	0	
237	MOBILE DWELLING	11	11	0	0	0	0	0	
239	SCIENTIFIC INSTRUMENTS	8	8	0	0	0	0	0	
247	OPTICAL, HEALTH SERV SUPPLIES	14	14	0	0	0	0	0	
248	PHOTO EQUIP AND SUPPLIES	3	3	0	0	0	0	0	
249	WATCHES AND CLOCK DEVICES	6	6	0	0	0	0	0	
258	ORDNANCE	27	27	0	0	0	0	0	
259	MISC MANUFACTURING	196	190	0	0	0	0	6	
268	MEAT PRODUCTS	58545	56777	458	164	65	229	1232	
269	DAIRY PRODUCTS	154	154	0	0	0	0	0	
278	CANNING AND PRESERVING	4615	4533	42	5	11	26	40	
279	GRAIN MILL PRODUCTS	195	195	0	0	0	0	0	

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				WAGE AND SALARY WORKER GOVERNMENT WORKERS		STATE				
				TOTAL	FEDERAL	STATE	LOCAL			
633 MEAT CUTTERS AND BUTCHERS, MFG. CONTINUED										
287	BAKERY PRODUCTS	51	43	8	0	0	0	0	0	0
289	BEVERAGE INDUSTRIES	57	57	0	0	0	0	0	0	0
297	MISC FOOD PREPARATION	325	314	0	0	0	0	11	0	0
307	KNITTING MILLS	78	78	0	0	0	0	0	0	0
309	FLOOR COVERINGS	11	11	0	0	0	0	0	0	0
317	YARN, FABRIC MILLS	43	43	0	0	0	0	0	0	0
318	MISC TEXTILE MILL PRODUCTS	33	29	0	0	0	0	4	0	0
319	APPAREL AND ACCESSORIES	1499	1490	4	4	0	0	5	0	0
327	MISC FABRICATED PRODUCTS	91	91	0	0	0	0	0	0	0
328	PULP, PAPER, PAPERBOARD MILLS	9	9	0	0	0	0	0	0	0
329	MISC PAPER AND PULP PRODUCT	5	5	0	0	0	0	0	0	0
338	NEWSPAPER PUBLISHING, PRINTING	23	17	0	0	0	0	6	0	0
339	PRINTING, PUBLISHING EXC NEWS	18	18	0	0	0	0	0	0	0
347	INDUSTRIAL CHEMICALS	4	4	0	0	0	0	0	0	0
348	PLASTICS, SYNTHETICS	5	5	0	0	0	0	0	0	0
357	DRUGS AND MEDICINES	10	5	5	0	0	0	0	0	0
358	SOAPS AND COSMETICS	5	5	0	0	0	0	0	0	0
367	AGRICULTURAL CHEMICALS	16	16	0	0	0	0	0	0	0
368	MISC CHEMICALS	119	119	0	0	0	0	0	0	0
377	PETROLEUM REFINING	5	5	0	0	0	0	0	0	0
378	MISC PETROLEUM, COAL PROD	5	5	0	0	0	0	0	0	0
379	RUBBER PRODUCTS	19	19	0	0	0	0	0	0	0
387	MISC PLASTIC PRODUCTS	4	4	0	0	0	0	0	0	0
388	LEATHER TANNING, FINISHING	6	6	0	0	0	0	0	0	0
389	FOOTWEAR, EXCEPT RUBBER	105	105	0	0	0	0	0	0	0
397	ALL OTHER LEATHER PRODUCTS	27	27	0	0	0	0	0	0	0
740 ANIMAL CARETAKERS, EXCEPT FARM										
18	AGRICULTURAL SERVICES, EXC HORT	25487	20221	408	95	204	109	4289	569	0
19	HORTICULTURAL SERVICES	70	59	0	0	0	0	11	0	0
27	FORESTRY	11	0	11	5	6	0	0	0	0
28	FISHERIES	762	306	382	85	293	4	69	5	0
48	COAL MINING	14	14	0	0	0	0	0	0	0
49	CRUDE PETROLEUM AND NAT GAS	27	21	0	0	0	0	6	0	0
67	GENERAL BUILDING CONTRACTORS	25	25	0	0	0	0	0	0	0
68	GENERAL CONTRACTORS, EXC BLDG	12	12	0	0	0	0	0	0	0
69	SPECIAL TRADE CONTRACTORS	21	11	0	0	0	0	10	0	0
108	SAWMILL, PLANING MILL, MILL WK	20	20	0	0	0	0	0	0	0
127	CEMENT, CONCRETE, PLASTER	5	5	0	0	0	0	0	0	0
128	STRUCTURAL CLAY PROD	11	11	0	0	0	0	0	0	0
138	MISC NONMETALLIC, STONE	6	6	0	0	0	0	0	0	0

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER GOVERNMENT WORKERS		STATE			
					FEDERAL	STATE				
	740 ANIMAL CARETAKERS, EXCEPT FARM CONTINUED									
157	CUTLERY, OTHER HARDWARE	6	6	0	0	0	0	0	0	
208	ELECTRICAL MACHINERY, NEC	10	5	0	0	0	0	5	0	
219	MOTOR VEHICLE EQUIP	29	29	0	0	0	0	0	0	
237	MOBILE DWELLING	7	7	0	0	0	0	0	0	
247	OPTICAL, HEALTH SERV SUPPLIES	14	14	0	0	0	0	0	0	
248	PHOTO EQUIP AND SUPPLIES	5	5	0	0	0	0	0	0	
268	MEAT PRODUCTS	502	496	0	0	0	0	0	6	
269	DAIRY PRODUCTS	57	52	0	0	0	0	5	0	
278	CANNING AND PRESERVING	25	25	0	0	0	0	0	0	
279	GRAIN MILL PRODUCTS	128	128	0	0	0	0	0	0	
289	BEVERAGE INDUSTRIES	13	13	0	0	0	0	0	0	
297	MISC FOOD PREPARATION	20	20	0	0	0	0	0	0	
299	TOBACCO MANUFACTURING	5	5	0	0	0	0	0	0	
309	FLOOR COVERINGS	3	3	0	0	0	0	0	0	
317	YARN, FABRIC MILLS	5	5	0	0	0	0	0	0	
318	MISC TEXTILE MILL PRODUCTS	6	6	0	0	0	0	0	0	
319	APPAREL AND ACCESSORIES	5	5	0	0	0	0	0	0	
327	MISC FABRICATED PRODUCTS	5	5	0	0	0	0	0	0	
328	PULP, PAPER, PAPERBOARD MILLS	6	6	0	0	0	0	0	0	
337	PAPERBOARD CONTAINERS, BOXES	5	5	0	0	0	0	0	0	
338	NEWSPAPER PUBLISHING, PRINTING	4	0	0	0	0	0	0	4	
347	INDUSTRIAL CHEMICALS	36	29	7	0	0	0	0	0	
357	DRUGS AND MEDICINES	373	368	0	0	0	0	5	0	
358	SOAPS AND COSMETICS	8	8	0	0	0	0	0	0	
379	RUBBER PRODUCTS	6	6	0	0	0	0	0	0	
407	RAILROADS, RAILWAY EXPRESS	10	10	0	0	0	0	0	0	
417	TRUCKING SERVICE	14	14	0	0	0	0	0	0	
418	WAREHOUSING AND STORAGE	5	5	0	0	0	0	0	0	
427	AIR TRANSPORTATION	5	5	0	0	0	0	0	0	
429	TRANSPORTATION SERVICES	580	534	8	0	0	0	38	0	
469	GAS, STEAM SUPPLY SYSTEMS	5	0	0	0	0	0	0	0	
478	SANITARY SERVICES	19	0	19	0	0	0	0	0	
508	DRUGS, CHEMICALS, ALLIED PROD	14	14	0	0	0	0	0	0	
527	FOOD AND RELATED PROD	148	144	0	0	0	0	4	0	
528	FARM PROD--RAW MATERIAL	1807	1728	8	0	0	0	48	23	
539	MACHINERY EQUIP, SUPPLIES	25	25	0	0	0	0	0	0	
569	LUMBER, CONSTR. MATERIALS	11	11	0	0	0	0	0	0	
587	WHOLESALE, NEC	68	68	0	0	0	0	0	0	
607	LUMBER, BUILDING MATERIAL	25	25	0	0	0	0	0	0	
609	DEPARTMENT, MAIL ORDER	19	19	0	0	0	0	0	0	
617	LIMITED PRICE STORES	5	5	0	0	0	0	0	0	

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT WORKERS				
					FEDERAL	STATE			
	740 ANIMAL CARETAKERS, EXCEPT FARM CONTINUED								
628	GROCERY STORES	9	5	0	0	0	0	4	
638	FOOD STORES, NEC	32	32	0	0	0	0	0	
669	EATING AND DRINKING PLACES	13	13	0	0	0	0	0	
678	LIQUOR STORES	6	6	0	0	0	0	0	
679	FARM, GARDEN SUPPLY STORES	47	47	0	0	0	0	0	
687	JEWELRY STORES	4	4	0	0	0	0	0	
688	FUEL AND ICE DEALERS	11	11	0	0	0	0	0	
697	MISC RETAIL TRADE STORES	1077	960	12	6	6	65	40	
707	BANKING	9	0	9	0	0	0	0	
709	STOCK BROKERS, INVESTMENT	20	20	0	0	0	0	0	
718	REAL ESTATE, RE LAW INSURANCE	49	49	0	0	0	0	0	
729	COMMERCIAL R AND D	326	263	63	17	4	0	0	
747	DETECTIVE AND PROTECTIVE	9	9	0	0	0	0	0	
759	OTHER REPAIR SERVICES	10	5	0	0	0	5	0	
769	PRIVATE HOUSEHOLDS	416	378	0	0	0	38	0	
777	HOTELS AND MOTELS	29	24	0	0	0	0	0	
778	LODGING PLACES, EXC HOTELS	43	34	0	0	0	9	0	
779	LAUNDRY, CLEANING	5	5	0	0	0	0	0	
798	OTHER PERSONAL SERVICES	10	5	0	0	0	5	0	
807	MOTION PICTURES, THEATERS	35	35	0	0	0	0	0	
808	BOWLING ALLEYS, RILLIARDS	3	3	0	0	0	0	0	
809	MISC ENTERTAINMENT	2607	2354	74	23	17	138	41	
828	OFFICES OF PHYSICIANS	6	6	0	0	0	0	0	
829	OFFICES OF DENTISTS	9	9	0	0	0	0	0	
838	HOSPITALS	877	470	407	138	190	0	0	
839	CONVALESCENT INSTITUTIONS	43	28	15	0	5	10	0	
848	HEALTH SERVICES, NEC	526	161	365	84	46	235	0	
857	ELEMENTARY, SECONDARY	40	26	14	0	0	14	0	
858	COLLEGES AND UNIVERSITIES	2280	626	1654	87	1503	64	0	
867	EDUCATIONAL SERVICES, NEC	21	6	11	0	11	0	4	
869	MUSEUMS, ART GALLERIES; ZOOS	1850	604	1230	36	62	1132	16	
877	RELIGIOUS ORGANIZATIONS	19	16	0	0	0	0	13	
878	WELFARE SERVICES	17	13	4	0	0	4	0	
879	RESIDENTIAL WELFARE	16	4	12	8	0	4	0	
887	NONPROFIT MEMBERSHIP	1059	1059	0	0	0	0	0	
897	MISC PROFESSIONAL SERVICES	573	387	175	100	45	30	11	
917	FEDERAL PUBLIC ADMIN	435	0	435	435	280	0	0	
927	STATE PUBLIC ADMIN	280	0	280	0	0	0	0	
937	LOCAL PUBLIC ADMIN	2632	0	2632	0	0	2632	0	
18	AGRICULTURAL SERVICES, EXC HORT	552	123	137	41	59	37	12	
				752 FISHERMEN AND OYSTERMEN					

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED**, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	WAGE AND TOTAL	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
					752 FISHERMEN AND OYSTERMEN CONTINUED	SALARY WORKER GOVERNMENT FEDERAL	STATE			
19	HORTICULTURAL SERVICES	5	5	0	0	0	0	0	0	
27	FORESTRY	155	57	4	0	4	0	94	0	
28	FISHERIES	24302	9820	197	61	121	15	14089	196	
48	COAL MINING	36	19	0	0	0	0	17	0	
57	NONMETALLIC MINING, QUARRYING	11	11	0	0	0	0	0	0	
67	GENERAL BUILDING CONTRACTORS	6	6	0	0	0	0	0	0	
68	GENERAL CONTRACTORS, EXC BLDG	28	7	0	0	0	0	21	0	
69	SPECIAL TRADE CONTRACTORS	15	6	0	0	0	0	9	0	
108	SAWMILL, PLANNING MILL, MILL WK	21	21	0	0	0	0	0	0	
109	MISC WOOD PROD	17	12	0	0	0	0	5	0	
118	FURNITURE AND FIXTURES	34	34	0	0	0	0	0	0	
128	STRUCTURAL CLAY PROD	21	21	0	0	0	0	0	0	
138	MISC NONMETALLIC, STONE	10	10	0	0	0	0	0	0	
139	BLAST FURNACES, STEEL WKS	21	21	0	0	0	0	0	0	
147	OTHER PRIMARY STEEL	12	12	0	0	0	0	0	0	
148	PRIMARY ALUMINUM IND	5	5	0	0	0	0	0	0	
149	OTHER PRIMARY NONFERROUS	5	5	0	0	0	0	0	0	
178	FARM MACHINERY, EQUIP	4	0	4	4	0	0	0	0	
187	METALWORKING MACHINERY	17	17	0	0	0	0	0	0	
197	MACHINERY, NEC	6	6	0	0	0	0	0	0	
199	HOUSEHOLD APPLIANCES	4	4	0	0	0	0	0	0	
207	RADIO, TV, COMMUN EQUIP	9	9	0	0	0	0	0	0	
208	ELECTRICAL MACHINERY, NEC	20	11	0	0	0	0	9	0	
219	MOTOR VEHICLE EQUIP	27	27	0	0	0	0	0	0	
227	AIRCRAFT AND PARTS	24	13	0	0	0	0	11	0	
228	SHIP, BOAT BUILDING, REPAIR	60	9	5	5	0	0	46	0	
237	MORILE DWELLING	6	6	0	0	0	0	0	0	
268	MEAT PRODUCTS	10	10	0	0	0	0	0	0	
269	DAIRY PRODUCTS	14	14	0	0	0	0	0	0	
278	CANNING AND PRESERVING	114	94	0	0	0	0	20	0	
279	GRAIN MILL PRODUCTS	21	21	0	0	0	0	0	0	
287	BAKERY PRODUCTS	5	5	0	0	0	0	0	0	
289	BEVERAGE INDUSTRIES	26	26	0	0	0	0	0	0	
297	MISC FOOD PREPARATION	6	6	0	0	0	0	0	0	
317	YARN, FABRIC MILLS	6	6	0	0	0	0	0	0	
319	APPAREL AND ACCESSORIES	20	20	0	0	0	0	0	0	
328	PULP, PAPER, PAPERBOARD MILLS	15	15	0	0	0	0	0	0	
329	MISC PAPER AND PULP PRODUCT	6	6	0	0	0	0	0	0	
337	PAPERBOARD CONTAINERS, BOXES	6	6	0	0	0	0	0	0	
339	PRINTING, PUBLISHING EXC NEWS	19	19	0	0	0	0	0	0	
347	INDUSTRIAL CHEMICALS	5	5	0	0	0	0	0	0	

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER				
					FEDERAL	STATE			
				752 FISHERMEN AND OYSTERMEN CONTINUED					
357	DRUGS AND MEDICINES	10	10	0	0	0	0	0	0
367	AGRICULTURAL CHEMICALS	5	5	0	0	0	0	0	0
377	PETROLEUM REFINING	15	15	0	0	0	0	0	0
387	MISC PLASTIC PRODUCTS	9	9	0	0	0	0	0	0
407	RAILROADS, RAILWAY EXPRESS	30	30	0	0	0	0	0	0
408	STREET RAILWAYS, BUS LINE	12	12	0	0	0	0	0	0
417	TRUCKING SERVICE	106	106	0	0	0	0	0	0
418	WAREHOUSING AND STORAGE	15	11	0	0	0	0	0	0
419	WATER TRANSPORTATION	31	31	0	0	0	0	0	0
427	AIR TRANSPORTATION	17	17	0	0	0	0	0	0
478	SANITARY SERVICES	12	12	0	0	0	12	0	0
507	MOTOR VEHICLES AND EQUIP	15	15	0	0	0	0	0	0
508	DRUGS, CHEMICALS, ALLIED PROD	5	5	0	0	0	0	0	0
509	DRY GOODS AND APPAREL	8	8	0	0	0	0	0	0
527	FOOD AND RELATED PROD	306	270	0	0	0	0	0	0
529	ELECTRICAL GOODS	6	6	0	0	0	0	0	0
537	HARDWARE, PLUMBING	14	14	0	0	0	0	0	0
557	METALS AND MINERALS, NEC	4	4	0	0	0	0	0	0
559	SCRAP AND WASTE MATERIAL	6	6	0	0	0	0	0	0
568	PAPER AND ITS PRODUCTS	5	5	0	0	0	0	0	0
569	LUMBER, CONSTR. MATERIALS	8	8	0	0	0	0	0	0
587	WHOLESALE, NEC	30	24	0	0	0	0	0	6
607	LUMBER, BUILDING MATERIAL	19	19	0	0	0	0	0	0
608	HARDWARE AND FARM EQUIPMENT	5	5	0	0	0	0	0	0
609	DEPARTMENT, MAIL ORDER	24	24	0	0	0	0	0	0
617	LIMITED PRICE STORES	16	16	0	0	0	0	0	0
627	MISC MERCHANDISE STORES	7	7	0	0	0	0	0	0
628	GROCERY STORES	125	121	0	0	0	0	0	4
638	FOOD STORES, NEC	25	10	0	0	0	0	15	0
639	MOTOR VEHICLE DEALERS	4	4	0	0	0	0	0	0
648	GASOLINE SERVICE STATIONS	6	6	0	0	0	0	0	0
649	MISC VEHICLE DEALERS	6	6	0	0	0	0	0	0
657	APPAREL, ACCESSORIES STORES	24	24	0	0	0	0	0	0
667	HOME FURNISHING STORES	9	9	0	0	0	0	0	0
677	DRUG STORES	11	11	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	4	4	0	0	0	0	0	0
688	FUEL AND ICE DEALERS	5	5	0	0	0	0	0	0
697	MISC RETAIL TRADF STORES	24	20	0	0	0	0	0	4
728	SERVICES BUILDINGS	12	12	0	0	0	0	0	0
748	OTHER MISC BUSINFSS SERVICES	21	13	3	3	0	0	5	0
759	OTHER REPAIR SERVICES	7	7	0	0	0	0	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES		CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
		TOTAL	PRIVATE	WAGE AND SALARY WORKER		GOVERNMENT WORKERS	STATE			
				TOTAL	FEDERAL					
				752 FISHERMEN AND OYSTERMEN CONTINUED						
769	PRIVATE HOUSEHOLDS	13	13	0	0	0	0	0	0	0
779	LAUNDRY, CLEANING	12	12	0	0	0	0	0	0	0
807	MOTION PICTURES, THEATERS	6	6	0	0	0	0	0	0	0
808	BOWLING ALLEYS, RILLIARDS	6	0	0	0	0	0	6	0	0
809	MISC ENTERTAINMENT	13	13	0	0	0	0	0	0	0
828	OFFICES OF PHYSICIANS	4	4	0	0	0	0	0	0	0
857	ELEMENTARY, SECONDARY	33	11	17	0	0	17	5	0	0
858	COLLEGES AND UNIVERSITIES	4	0	4	0	0	4	0	0	0
867	EDUCATIONAL SERVICES, NEC	3	3	0	0	0	0	0	0	0
869	MUSEUMS, ART GALLERIES; ZOOS	6	6	0	0	0	0	0	0	0
897	MISC PROFESSIONAL SERVICES	5	0	5	0	5	0	0	0	0
907	POSTAL SERVICE	60	0	60	0	0	0	0	0	0
917	FEDERAL PUBLIC ADMIN	135	0	135	0	0	0	0	0	0
927	STATE PUBLIC ADMIN	40	0	40	0	40	0	0	0	0
937	LOCAL PUBLIC ADMIN	6	0	6	0	0	6	0	0	0
				755 GARDENERS AND GROUNDSKEEPERS, EXC. FARM						
18	AGRICULTURAL SERVICES, EXC HORT	920	521	88	25	30	33	300	11	
19	HORTICULTURAL SERVICES	94585	48597	1632	212	451	969	43836	520	
27	FORESTRY	1245	336	863	217	162	484	46	0	
28	FISHERIES	124	55	31	5	26	0	38	0	
47	METAL MINING	72	72	0	0	0	0	0	0	
48	COAL MINING	51	45	6	6	0	0	0	0	
49	CRUDE PETROLEUM AND NAT GAS	156	150	0	0	0	0	6	0	
57	NONMETALLIC MINING, QUARRYING	118	114	0	0	0	0	0	4	
67	GENERAL BUILDING CONTRACTORS	1203	1106	67	4	23	40	30	0	
68	GENERAL CONTRACTORS, EXC BLDG	4847	976	3781	273	2126	1382	85	5	
69	SPECIAL TRADE CONTRACTORS	550	472	5	0	0	5	73	0	
107	LOGGING	205	192	0	0	0	0	9	4	
108	SAWMILL, PLANNING MILL, MILL WK	429	424	5	5	0	0	0	0	
109	MISC WOOD PROD	75	56	0	0	0	0	19	0	
118	FURNITURE AND FIXTURES	128	128	0	0	0	0	0	0	
119	GLASS AND GLASS PROD	119	113	0	0	0	0	6	0	
127	CEMENT, CONCRETE, PLASTER	155	155	0	0	0	0	0	0	
128	STRUCTURAL CLAY PROD	69	57	0	0	0	0	8	4	
137	POTTERY AND RELATED PROD	38	38	0	0	0	0	0	0	
138	MISC NONMETALLIC, STONE	84	84	0	0	0	0	0	0	
139	BLAST FURNACES, STEEL WKS	271	269	2	0	0	2	0	0	
147	OTHER PRIMARY STEEL	141	135	6	0	0	6	0	0	
148	PRIMARY ALUMINUM IND	76	71	0	0	0	0	5	0	
149	OTHER PRIMARY NONFERROUS	102	93	9	9	0	0	0	0	

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER GOVERNMENT WORKERS FEDERAL	STATE	STATE			
				755 GARDENERS AND GROUNDSKEEPERS, EXC. FARM CONTINUED						
157	CUTLERY, OTHER HARDWARE	36	36	0	0	0	0	0	0	0
158	FABRICATED METAL PROD	109	99	4	0	0	4	0	6	0
159	SCREW MACHINE PROD	14	14	0	0	0	0	0	0	0
167	METAL STAMPING	26	26	0	0	0	0	0	0	0
168	MISC FABRICATED METAL PROD	146	146	0	0	0	0	0	0	0
177	ENGINES AND TURBINES	39	39	0	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	85	80	0	0	0	0	0	5	0
179	CONSTRUCTION MACHINES	96	96	0	0	0	0	0	0	0
187	METALWORKING MACHINERY	80	80	0	0	0	0	0	0	0
188	OFFICE, ACCOUNTING MACHINES	45	45	0	0	0	0	0	0	0
189	ELECTRONIC COMPUTING MACHINES	50	50	0	0	0	0	0	0	0
197	MACHINERY, NEC	248	229	6	6	0	0	13	0	0
199	HOUSEHOLD APPLIANCES	39	39	0	0	0	0	0	0	0
207	RADIO, TV, COMMUN EQUIP	222	218	4	0	0	4	0	0	0
208	ELECTRICAL MACHINERY, NEC	435	424	5	5	0	0	6	0	0
219	MOTOR VEHICLE EQUIP	401	401	0	0	0	0	0	0	0
227	AIRCRAFT AND PARTS	255	229	21	21	0	0	5	0	0
228	SHIP, BOAT BUILDING, REPAIR	101	50	51	51	0	0	0	0	0
229	RAILROAD EQUIPMENT	20	20	0	0	0	0	0	0	0
237	MOBILE DWELLING	17	17	0	0	0	0	0	0	0
239	SCIENTIFIC INSTRUMENTS	44	44	0	0	0	0	0	0	0
247	OPTICAL, HEALTH SERV SUPPLIES	36	36	0	0	0	0	0	0	0
248	PHOTO EQUIP AND SUPPLIES	71	59	6	0	0	0	6	0	0
249	WATCHES AND CLOCK DEVICES	27	23	0	0	0	0	4	0	0
258	ORNANCE	183	117	61	55	0	6	5	0	0
259	MISC MANUFACTURING	189	179	5	0	0	0	5	0	0
268	MEAT PRODUCTS	110	110	0	0	0	0	0	0	0
269	DAIRY PRODUCTS	12	8	0	0	0	0	4	0	0
278	CANNING AND PRESFRVING	139	139	0	0	0	0	0	0	0
279	GRAIN MILL PRODUCTS	84	84	0	0	0	0	0	0	0
287	BAKERY PRODUCTS	25	25	0	0	0	0	0	0	0
288	CONFECTIONARY PRODUCTS	14	14	0	0	0	0	0	0	0
289	BEVERAGE INDUSTRIES	162	154	0	0	0	0	8	0	0
297	MISC FOOD PREPARATION	256	256	0	0	0	0	0	0	0
299	TOBACCO MANUFACTURING	17	17	0	0	0	0	0	0	0
307	KNITTING MILLS	53	53	0	0	0	0	0	0	0
308	DYEING, FINISHING TEXTILES	22	22	0	0	0	0	0	0	0
309	FLOOR COVERINGS	25	25	0	0	0	0	0	0	0
317	YARN, FABRIC MILLS	377	373	4	4	0	0	0	0	0
318	MISC TEXTILE MILL PRODUCTS	29	29	0	0	0	0	0	0	0
319	APPAREL AND ACCESSORIES	87	87	0	0	0	0	0	0	0

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CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		GOVERNMENT WORKERS				
				TOTAL	FEDERAL	STATE	LOCAL			
	755 GARDENERS AND GROUNDSKEEPERS, EXC. FARM CONTINUED									
327	MISC FABRICATED PRODUCTS	13	13	0	0	0	0	0	0	0
328	PULP, PAPER, PAPERBOARD MILLS	351	347	4	0	0	0	0	0	0
329	MISC PAPER AND PULP PRODUCT	85	80	0	0	0	0	5	0	0
337	PAPERBOARD CONTAINERS, BOXES	54	54	0	0	0	0	0	0	0
338	NEWSPAPER PUBLISHING, PRINTING	37	37	0	0	0	0	0	0	0
339	PRINTING, PUBLISHING, EXC NEWS	125	120	0	0	0	0	5	0	0
347	INDUSTRIAL CHEMICALS	185	154	27	0	0	0	4	0	0
348	PLASTICS, SYNTHETICS	78	78	0	0	0	0	0	0	0
349	SYNTHETIC FIRERS	50	50	0	0	0	0	0	0	0
357	DRUGS AND MEDICINES	84	80	4	4	0	0	0	0	0
358	SOAPS AND COSMETICS	35	35	0	0	0	0	0	0	0
359	PAINTS, VARNISHES	18	18	0	0	0	0	0	0	0
367	AGRICULTURAL CHEMICALS	49	45	4	0	4	0	0	0	0
368	MISC CHEMICALS	101	96	5	5	0	0	0	0	0
377	PETROLEUM REFINING	238	223	10	0	10	0	5	0	0
378	MISC PETROLEUM, COAL PROD	23	23	0	0	0	0	0	0	0
379	RUBBER PRODUCTS	108	108	0	0	0	0	0	0	0
387	MISC PLASTIC PRODUCTS	44	44	0	0	0	0	0	0	0
388	LEATHER TANNING, FINISHING	5	5	0	0	0	0	0	0	0
389	FOOTWEAR, EXCEPT RUBBER	15	15	0	0	0	0	0	0	0
397	ALL OTHER LEATHER PRODUCTS	5	5	0	0	0	0	0	0	0
407	RAILROADS, RAILWAY EXPRESS	184	169	15	5	15	10	0	0	0
408	STREET RAILWAYS, BUS LINE	46	0	46	5	15	26	0	0	0
417	TRUCKING SERVICE	454	401	28	0	5	23	25	0	0
418	WAREHOUSING AND STORAGE	102	92	10	0	6	4	0	0	0
419	WATER TRANSPORTATION	99	71	28	8	0	20	0	0	0
427	AIR TRANSPORTATION	432	200	232	22	32	178	0	0	0
429	TRANSPORTATION SERVICES	133	69	64	7	52	5	0	0	0
447	RADIO BROADCASTING, TV	106	103	3	0	0	3	0	0	0
448	TELEPHONE (WIRE AND RADIO)	206	192	3	0	3	0	11	0	0
449	TELEGRAPH, MISC COMMUN SERV	22	22	0	0	0	0	0	0	0
467	ELECTRIC LIGHT AND POWER	765	603	162	61	15	86	0	0	0
468	ELECTRIC-GAS UTILITIES	611	407	204	4	7	193	0	0	0
469	GAS, STEAM SUPPLY SYSTEMS	129	114	15	0	0	15	0	0	0
477	WATER SUPPLY	704	154	550	0	79	471	0	0	0
478	SANITARY SERVICES	881	149	716	9	35	672	16	0	0
479	OTHER UTILITIES, NEC	107	40	57	4	5	48	10	0	0
507	MOTOR VEHICLES AND EQUIP	30	30	0	0	0	0	0	0	0
508	DRUGS, CHEMICALS, ALLIED PROD	37	37	0	0	0	0	0	0	0
509	DRY GOODS AND APPAREL	12	12	0	0	0	0	0	0	0
527	FOOD AND RELATED PROD	283	273	0	0	0	0	10	0	0

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SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT FEDERAL	WORKER STATE	GOVERNMENT STATE			
	755 GARDENERS AND GROUNDSKEEPERS, EXC. FARM CONTINUED									
528	FARM PROD-RAW MATERIAL	42	42	0	0	0	0	0	0	0
529	ELECTRICAL GOODS	23	18	5	0	0	0	5	0	0
537	HARDWARE, PLUMBING	5	5	0	0	0	0	0	0	0
539	MACHINERY EQUIP, SUPPLIES	118	107	6	0	0	6	5	0	0
557	METALS AND MINERALS, NEC	25	25	0	0	0	0	0	0	0
558	PETROLEUM PRODUCTS	103	98	0	0	0	0	5	0	0
559	SCRAP AND WASTE MATERIAL	51	46	0	0	0	0	5	0	0
567	ALCOHOLIC BEVERAGES	28	28	0	0	0	0	0	0	0
568	PAPER AND ITS PRODUCTS	14	14	0	0	0	0	0	0	0
569	LUMBER, CONSTR. MATERIALS	70	65	5	0	0	5	0	0	0
587	WHOLESALE, NEC	923	896	0	0	0	0	23	4	0
607	LUMBER, BUILDING MATERIAL	208	202	6	0	0	6	0	0	0
608	HARDWARE AND FARM EQUIPMENT	71	55	0	0	0	0	16	0	0
609	DEPARTMENT, MAIL ORDER	136	130	0	0	0	0	6	0	0
617	LIMITED PRICE STORES	23	23	0	0	0	0	0	0	0
618	VENDING MACHINE OPERATORS	9	9	0	0	0	0	0	0	0
619	DIRECT SELLING	10	10	0	0	0	0	0	0	0
627	MISC MERCHANDISE STORES	48	36	12	12	0	0	0	0	0
628	GROCERY STORES	144	129	10	10	0	0	5	0	0
629	DAIRY PROD STORES	16	16	0	0	0	0	0	0	0
638	FOOD STORES, NEC	54	49	5	0	5	0	0	0	0
639	MOTOR VEHICLE DEALERS	103	103	0	0	0	0	0	0	0
647	TIRE, BATTERY ACCESSORY	10	10	0	0	0	0	0	0	0
648	GASOLINE SERVICE STATIONS	65	65	0	0	0	0	0	0	0
649	MISC VEHICLE DEALERS	109	104	0	0	0	0	5	0	0
657	APPAREL, ACCESSORIES STORES	28	28	0	0	0	0	0	0	0
658	SHOE STORES	9	9	0	0	0	0	0	0	0
667	HOME FURNISHING STORES	84	84	0	0	0	0	0	0	0
668	APPLIANCE, TV, RADIO STORES	124	115	6	0	0	6	0	3	0
669	EATING AND DRINKING PLACES	446	393	16	5	0	11	31	6	0
677	DRUG STORES	37	37	0	0	0	0	0	0	0
678	LIQUOR STORES	16	16	0	0	0	0	0	0	0
679	FARM, GARDEN SUPPLY STORES	1518	1333	5	5	0	0	174	6	0
687	JEWELRY STORES	27	27	0	0	0	0	0	0	0
688	FUEL AND ICE DEALERS	19	19	0	0	0	0	0	0	0
689	RETAIL FLORISTS	785	741	10	0	0	5	28	6	0
697	MISC RETAIL TRADE STORES	197	163	11	6	0	5	18	5	0
707	BANKING	224	188	21	5	6	10	15	0	0
708	CREDIT AGENCIES	108	98	4	0	0	4	6	0	0
709	STOCK BROKERS, INVESTMENT	124	116	8	0	0	8	0	0	0
717	INSURANCE	355	273	49	15	0	34	33	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	CLASS OF WORKER				UNPAID FAMILY WORKERS	
			TOTAL	WAGE AND SALARY WORKER GOVERNMENT WORKERS		LOCAL		
				PRIVATE	FEDERAL			STATE
718	REAL ESTATE, RE LAW INSURANCE	22895	17638	212	118	4496	386	45
727	ADVERTISING	32	32	0	0	0	0	0
728	SERVICES BUILDINGS	773	607	19	5	41	98	3
729	COMMERCIAL R AND D	125	119	6	0	0	0	0
737	EMPLOYMENT, TEMPORARY HELP	175	148	22	5	17	5	0
738	RUSINESS MANAGEMENT SERVICES	57	52	5	0	0	0	0
739	COMPUTER PROGRAMMING	10	10	0	0	0	0	0
747	DETECTIVE AND PROTECTIVE	33	22	0	0	0	11	0
748	OTHER MISC BUSINESS SERVICES	190	178	5	0	0	7	0
749	AUTO SERVICES, EXC REPAIR	43	43	0	0	0	0	0
757	AUTO REPAIR	29	29	0	0	0	0	0
758	ELECTRICAL REPAIR SHOP	16	7	4	0	0	4	0
759	OTHER REPAIR SERVICES	121	102	4	0	0	15	0
769	PRIVATE HOUSEHOLDS	42795	42578	0	0	0	0	217
777	HOTELS AND MOTELS	3439	3296	44	0	20	75	24
778	LOGGING PLACES, FXC HOTELS	2133	1873	46	5	11	171	43
779	LAUNDRY, CLEANING	31	26	0	0	0	5	0
787	BEAUTY SHOPS	9	9	0	0	0	0	0
788	BARBER SHOPS	5	5	0	0	0	0	0
789	SHOE REPAIR SHOPS	4	4	0	0	0	0	0
798	OTHER PERSONAL SFRVICES	570	528	26	5	21	11	5
807	MOTION PICTURES, THEATERS	454	427	21	4	5	12	6
808	BOWLING ALLEYS, RILLIARDS	113	81	21	0	16	8	3
809	MISC ENTERTAINMENT	27058	22335	4481	361	3690	217	25
828	OFFICES OF PHYSICIANS	333	291	19	0	19	15	8
829	OFFICES OF DENTISTS	57	52	0	0	0	5	0
837	OFFICES OF CHIROPRACTORS	17	17	0	0	0	0	0
838	HOSPITALS	4725	2166	2507	486	1411	52	0
839	CONVALESCENT INSTITUTIONS	1424	1121	240	19	152	45	18
847	HEALTH PRACTITIONERS, NEC	6	6	0	0	0	0	0
848	HEALTH SERVICES, NEC	198	84	108	22	47	6	0
849	LEGAL SERVICES	38	38	0	0	0	0	0
857	ELEMENTARY, SECONDARY	10085	2279	7744	102	1276	42	20
858	COLLEGES AND UNIVERSITIES	11974	5341	6597	193	5568	26	10
859	LIBRARIES	133	64	69	10	59	0	0
867	EDUCATIONAL SERVICES, NEC	227	111	116	18	72	0	0
869	MUSEUMS, ART GALLERIES, ZOOS	761	433	323	35	238	0	5
877	RELIGIOUS ORGANIZATIONS	2399	2287	13	6	7	55	44
878	WELFARE SERVICES	375	166	209	40	47	0	0
879	RESIDENTIAL WELFARE	210	163	47	7	19	0	0
887	NONPROFIT MEMBERSHIP	722	722	0	0	0	0	0

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	CLASS OF WORKER										UNPAID FAMILY WORKERS	
			PRIVATE	WAGE AND SALARY WORKER GOVERNMENT WORKERS		STATE			LOCAL		SELF EMPLOYED			
				TOTAL	FEDERAL	STATE	STATE	LOCAL						
				755 GARDENERS AND GROUNDSKEEPERS, EXC. FARM CONTINUED										
888	ENG AND ARCH SERVICES	127	102	12	0	0	0	0	0	0	13	0		
889	ACCOUNTING, AUDITING	13	13	0	0	0	0	0	0	0	0	0		
897	MISC PROFESSIONAL SERVICES	225	119	97	33	48	16	16	9	0	0	0		
907	POSTAL SERVICE	249	0	249	0	0	0	0	0	0	0	0		
917	FEDERAL PUBLIC ADMIN	3806	0	3806	0	0	0	0	0	0	0	0		
927	STATE PUBLIC ADMIN	4740	0	4740	0	4740	0	0	0	0	0	0		
937	LOCAL PUBLIC ADMIN	25913	0	25913	0	0	25913	0	0	0	0	0		
				801 FARMERS (OWNERS AND TENANTS)										
17	AGRICULTURAL PRODUCTION	1276998	0	0	0	0	0	0	0	1276998	0	0		
18	AGRICULTURAL SERVICES, EXC HORT	2422	0	0	0	0	0	0	0	2422	0	0		
				802 FARM MANAGERS										
17	AGRICULTURAL PRODUCTION	59255	58027	1012	190	647	175	0	0	216	0	0		
18	AGRICULTURAL SERVICES, EXC HORT	1301	1217	84	10	40	34	0	0	0	0	0		
				821 FARM FOREMEN										
17	AGRICULTURAL PRODUCTION	30854	28143	2711	800	1467	444	0	0	0	0	0		
18	AGRICULTURAL SERVICES, EXC HORT	1768	1616	152	52	52	48	0	0	0	0	0		
				822 FARM LABORERS, WAGE WORKERS										
17	AGRICULTURAL PRODUCTION	720828	700592	14064	2778	7124	4162	5060	10	1112	0	0		
18	AGRICULTURAL SERVICES, EXC HORT	22391	21728	653	148	286	219	10	0	0	0	0		
				823 FARM LABORERS, UNPAID FAMILY WORKERS										
17	AGRICULTURAL PRODUCTION	92469	0	0	0	0	0	221	0	92248	0	0		
18	AGRICULTURAL SERVICES, EXC HORT	273	0	0	0	0	0	0	0	273	0	0		
				824 FARM SERVICE LABORERS, SELF-EMPLOYED										
17	AGRICULTURAL PRODUCTION	1438	25	0	0	0	0	1413	0	0	0	0		
18	AGRICULTURAL SERVICES, EXC HORT	2545	88	0	0	0	0	2457	0	0	0	0		

* 18 OCCUPATIONS WHICH MAY FALL WITHIN ANYONE OF 201 INDUSTRIES

SECTION 1.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES IN ANY INDUSTRY WHERE HIRED*, UNITED STATES

CODE	OCCUPATION	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		GOVERNMENT WORKERS				
				TOTAL	FEDERAL	STATE	LOCAL			
SUMMARY ALL INDUSTRIES										
24	FARM MANAGEMENT ADVISORS	7584	564	6985	1792	3475	1718	35	0	
25	FORESTERS AND CONSERVATIONISTS	39797	6658	32365	17596	12751	2018	763	11	
42	AGRICULTURAL SCIENTISTS	12570	3825	7741	3755	3212	774	1004	0	
72	VETERINARIANS	19416	5614	2174	1073	975	126	11560	68	
150	AGRI., BIOLOGICAL TECH., EXC. HEALTH	30463	22690	6827	2286	3918	623	896	50	
480	FARM IMPLEMENT REPAIRMEN	33402	30609	377	160	118	99	2269	147	
501	MILLERS; GRAIN, FLOUR, AND FEED	7107	6449	65	0	30	35	551	42	
631	MEAT CUTTERS AND BUTCHERS, EXC. MFG.	200310	179677	4973	3193	1193	587	15086	574	
633	MEAT CUTTERS AND BUTCHERS, MFG.	67144	65214	539	208	76	255	1307	84	
740	ANIMAL CARETAKERS, EXCEPT FARM	45977	32246	8240	1154	2685	4401	4777	714	
752	FISHERMEN AND OYSTERMEN	27075	11552	629	309	229	91	14671	223	
755	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	293611	174868	71413	6808	17194	47411	46282	1048	
801	FARMERS (OWNERS AND TENANTS)	1279420	0	0	0	0	0	1279420	0	
802	FARM MANAGERS	60556	59244	1096	200	687	209	0	216	
821	FARM FOREMEN	32622	29759	2863	852	1519	492	0	0	
822	FARM LABORERS, WAGE WORKERS	743219	722320	14717	2926	7410	4381	5070	1112	
823	FARM LABORERS, UNPAID FAMILY WORKERS	92742	0	0	0	0	0	221	92521	
824	FARM SERVICE LABORERS, SELF-EMPLOYED	3983	113	0	0	0	0	3870	0	
TOTAL 18 OCCUPATIONS		2996998	1351402	161004	42312	55472	63220	1387782	96810	

* 18 OCCUPATIONS WHICH MAY FALL WITHIN ANYONE OF 201 INDUSTRIES

Employment Table Section II

Occupations That Require or Utilize Agribusiness Competencies

Only in Selected Industries

This section consists of 54 occupations within 82 selected industries. The criteria for inclusion in section II is that the occupations require or utilize agribusiness competencies in those selected industries where they exist. For example, architects in horticultural services, (landscape architects) require or utilize agribusiness competencies while in other industries architects most likely do not require or utilize such competencies. Occupations in section II may also appear in section III, but not in the same industry and never in section I.

SECTION 2.--DCCUPATIDNS THAT REQUIRE OR UTILIZE AGRIBUSINESS CDMPETENCIES ONLY IN SELECTED INDUSTRIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WDRKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TDIAL	SALARY WDRKER GOVERNMENT WDRKRS FEDERAL STATE				
608	HARDWARE AND FARM EQUIPMENT	839	735	11	0	0	11	64	29
19	HORTICULTURAL SERVICES	4633	1596	33	13	14	6	2999	5
27	FORESTRY	133	0	129	0	0	0	4	0
-27	FDRESTRY	1471	38	1433	71	1356	6	0	0
178	FARM MACHINERY, EQUIP	235	235	0	0	0	0	0	0
268	MEAT PRDDUCTS	759	749	5	5	0	0	5	0
269	DAIRY PRODUCTS	480	480	0	0	0	0	0	0
278	CANNING AND PRESFRVING	697	692	0	0	0	0	5	0
279	GRAIN MILL PRODUCTS	421	421	0	0	0	0	0	0
289	BEVERAGE INDUSTRIES	544	539	0	0	0	0	5	0
297	MISC FOOD PREPARATION	545	545	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	1359	1354	0	0	0	0	5	0
178	FARM MACHINERY, EQUIP	120	120	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	1408	1403	0	0	0	0	5	0
17	AGRICULTURAL PRDDUCTIDN	120	30	74	10	59	5	16	0
18	AGRICULTURE SERVICES, EXC HORT	321	103	209	48	156	5	9	0
27	FDRESTRY	278	0	278	214	51	13	0	0
28	FISHERIES	189	12	177	32	140	5	0	0
17	AGRICULTURAL PRDDUCTIDN	127	52	75	28	47	0	0	0
268	MEAT PRDDUCTS	234	229	5	0	5	0	0	0
278	CANNING AND PRESFRVING	681	681	0	0	0	0	0	0
279	GRAIN MILL PRODUCTS	760	755	0	0	0	0	5	0
289	BEVERAGE INDUSTRIES	1062	1062	0	0	0	0	0	0
297	MISC FOOD PREPARATION	919	919	0	0	0	0	0	0

SECTION 2.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES ONLY IN SELECTED INDUSTRIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		STATE	FEDERAL			
				TOTAL	GOVERNMENT WORKERS					
299	TOBACCO MANUFACTURING	353	353	0	0	0	0	0	0	
367	AGRICULTURAL CHEMICALS	1068	1039	29	0	0	0	0	0	
17	AGRICULTURAL PRODUCTION	250	221	15	10	5	0	8	6	
19	HORTICULTURAL SERVICES	97	85	0	0	0	0	12	0	
18	AGRICULTURE SERVICES, EXC HORT	221	211	10	10	0	0	0	0	
178	FARM MACHINERY, EQUIP	230	230	0	0	0	0	0	0	
268	MEAT PRODUCTS	115	106	0	0	0	0	9	0	
279	GRAIN MILL PRODUCTS	107	101	0	0	0	0	6	0	
299	TOBACCO MANUFACTURING	152	147	0	0	0	0	5	0	
628	GROCERY STORES	138	126	0	0	0	0	12	0	
858	COLLEGES AND UNIVERSITIES	4441	401	4040	145	3617	278	0	0	
367	AGRICULTURAL CHEMICALS	929	919	10	5	0	5	0	0	
178	FARM MACHINERY, EQUIP	1501	1476	25	9	0	16	0	0	
18	AGRICULTURE SERVICES, EXC HORT	2163	1362	38	17	5	16	745	18	
19	HORTICULTURAL SERVICES	260	170	0	0	0	0	85	5	
178	FARM MACHINERY, EQUIP	328	328	0	0	0	0	0	0	
17	AGRICULTURAL PRODUCTION	103	97	6	0	6	0	0	0	
299	TOBACCO MANUFACTURING	117	117	0	0	0	0	0	0	
628	GROCERY STORES	168	168	0	0	0	0	0	0	
268	MEAT PRODUCTS	2084	2021	0	0	0	0	63	0	
269	DAIRY PRODUCTS	511	496	5	0	5	0	10	0	

SECTION 2.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES ONLY IN SELECTED INDUSTRIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		GOVERNMENT WORKERS				
				TOTAL	FEDERAL	STATE				
				203 BUYERS AND SHIPPERS, FARM PRODUCTS CONTINUED						
278	CANNING AND PRESERVING	504	499	0	0	0	0	5	0	
279	GRAIN MILL PRODUCTS	142	133	4	0	4	0	5	0	
418	WAREHOUSING AND STORAGE	116	104	0	0	0	0	12	0	
527	FOOD AND RELATED PROD	2555	1879	5	0	0	5	671	0	
528	FARM PROD-RAW MATERIAL	13818	8087	69	30	25	14	5574	88	
				205 BUYERS, WHOLESALE AND RETAIL TRADE						
527	FOOD AND RELATED PROD	8663	6879	36	10	6	20	1696	52	
528	FARM PROD-RAW MATERIAL	541	411	0	0	0	0	130	0	
628	GROCERY STORES	11527	9100	83	79	4	0	2144	200	
629	DAIRY PROD STORES	110	96	0	0	0	0	14	0	
638	FOOD STORES, NEC	1467	618	5	5	0	0	826	18	
689	RETAIL FLORISTS	259	137	0	0	0	0	116	6	
				210 CREDIT MEN						
608	HARDWARE AND FARM EQUIPMENT	221	221	0	0	0	0	0	0	
				220 OFFICE MANAGERS, N.E.C.						
19	HORTICULTURAL SERVICES	215	186	0	0	0	0	18	11	
527	FOOD AND RELATED PROD	3637	3532	5	0	0	5	73	27	
528	FARM PROD-RAW MATERIAL	672	636	0	0	0	0	30	6	
				221 OFFICERS, PILOTS, PURSERS; SHIP						
28	FISHERIES	2229	1474	5	5	0	0	745	5	
				225 PURCHASING AGENTS AND BUYERS, N.E.C.						
18	AGRICULTURE SERVICES, EXC HORT	299	205	0	0	0	0	94	0	
27	FORESTRY	246	26	210	169	41	0	10	0	
108	SAWMILL, PLANNING MILL, MILL WK	1481	1379	0	0	0	0	102	0	
109	MISC WOOD PROD	383	383	0	0	0	0	0	0	
299	TOBACCO MANUFACTURING	562	562	0	0	0	0	0	0	
317	YARN, FABRIC MILLS	1073	1064	0	0	0	0	9	0	
318	MISC TEXTILE MILL PRODUCTS	206	206	0	0	0	0	0	0	
				231 SALES MANAGERS, DEPT HEADS, RETAIL TRADE						
629	DAIRY PROD STORES	776	715	12	6	6	0	44	5	
638	FOOD STORES, NEC	1031	878	21	9	6	6	107	25	
679	FARM, GARDEN SUPPLY STORES	2147	1981	4	0	0	4	159	3	
689	RETAIL FLORISTS	158	117	0	0	0	0	36	5	
				233 SALES MANAGERS, EXCEPT RETAIL TRADE						
19	HORTICULTURAL SERVICES	181	177	0	0	0	0	4	0	

SECTION 2.---OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES ONLY IN SELECTED INDUSTRIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		GOVERNMENT WORKERS				
				TOTAL	FEDERAL	STATE	LOCAL			
				233 SALES MANAGERS, EXCEPT RETAIL TRADE CONTINUED						
109	MISC WOOD PROD	344	344	0	0	0	0	0	0	0
178	FARM MACHINERY, EQUIP	909	904	0	0	0	0	0	5	0
268	MEAT PRODUCTS	1389	1374	0	0	0	0	15	0	0
269	DAIRY PRODUCTS	1248	1234	5	5	0	0	9	0	0
278	CANNING AND PRESERVING	940	940	0	0	0	0	0	0	0
279	GRAIN MILL PRODUCTS	1257	1247	10	0	10	0	0	0	0
299	TOBACCO MANUFACTURING	511	511	0	0	0	0	0	0	0
527	FOOD AND RELATED PROD	11356	11142	21	4	17	0	193	0	0
528	FARM PROD--RAW MATERIAL	572	536	8	8	0	0	28	0	0
				245 MANAGERS AND ADMINISTRATORS, N.E.C.						
17	AGRICULTURAL PRODUCTION	172	98	0	0	0	0	69	5	0
18	AGRICULTURE SERVICES, EXC HORT	7737	4041	527	79	420	28	3029	140	0
19	HORTICULTURAL SERVICES	6410	2646	49	6	11	32	3655	60	0
27	FORESTRY	1788	251	1108	889	191	28	420	9	0
28	FISHERIES	1236	560	185	62	110	13	473	18	0
178	FARM MACHINERY, EQUIP	4441	4171	6	6	0	0	264	0	0
299	TOBACCO MANUFACTURING	1597	1547	0	0	0	0	50	0	0
367	AGRICULTURAL CHEMICALS	2971	2849	0	0	0	0	122	0	0
527	FOOD AND RELATED PROD	42465	32218	74	31	0	43	10035	138	0
528	FARM PROD--RAW MATERIAL	9201	7634	57	13	11	33	1496	14	0
679	FARM, GARDEN SUPPLY STORES	18128	12295	76	6	20	50	5577	180	0
689	RETAIL FLORISTS	14941	4133	24	6	7	11	10438	346	0
				260 ADVERTISING AGENTS AND SALESMEN						
628	GROCERY STORES	221	216	5	5	0	0	0	0	0
				261 AUCTIONEERS						
528	FARM PROD--RAW MATERIAL	553	397	5	0	0	5	146	5	0
				262 DEMONSTRATORS						
527	FOOD AND RELATED PROD	338	334	0	0	0	0	0	4	0
628	GROCERY STORES	675	669	0	0	0	0	6	0	0
				281 SALES REPRES., MFG.						
109	MISC WOOD PROD	1689	1498	5	0	0	5	169	17	0
299	TOBACCO MANUFACTURING	2591	2573	5	5	0	0	13	0	0
367	AGRICULTURAL CHEMICALS	2201	2136	0	0	0	0	57	8	0
388	LEATHER TANNING, FINISHING	297	273	0	0	0	0	18	6	0
				282 SALES REPRES., WHOLESALE TRADE						
18	AGRICULTURE SERVICES, EXC HORT	1665	1327	10	3	0	7	297	31	0

SECTION 2.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES ONLY IN SELECTED INDUSTRIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT FEDERAL	WORKER STATE			
527	FOOD AND RELATED PROD	98990	87371	185	93	33	59	11197	237
528	FARM PROD-RAW MATERIAL	5906	5347	22	4	4	14	531	6
679	FARM, GARDEN SUPPLY STORFS	29138	24450	100	23	28	49	4018	570
689	RETAIL FLORISTS	20399	16999	61	0	39	22	2557	782
18	AGRICULTURE SERVICES, EXC HORT	162	146	0	0	0	0	4	12
17	AGRICULTURAL PRODUCTION	125	121	4	4	0	0	0	0
528	FARM PROD-RAW MATERIAL	874	858	0	0	0	0	11	5
17	AGRICULTURAL PRODUCTION	277	209	51	31	20	0	6	11
759	OTHER REPAIR SERVICES	4555	750	22	4	0	18	3745	38
689	RETAIL FLORISTS	32003	25640	72	13	36	23	5421	870
27	FORESTRY	249	45	204	185	10	9	0	0
107	LOGGING	871	856	0	0	0	0	15	0
108	SAWMILL, PLANNING MILL, MILL WK	11623	11522	44	13	6	25	52	5
109	MISC WOOD PROD	623	608	0	0	0	0	15	0
17	AGRICULTURAL PRODUCTION	313	201	112	25	81	6	0	0
268	MEAT PRODUCTS	187	176	11	11	0	0	0	0
527	FOOD AND RELATED PROD	1080	1021	59	27	19	13	0	0
528	FARM PROD-RAW MATERIAL	1041	1000	32	17	10	5	9	0
178	FARM MACHINERY, EQUIP	3688	3673	9	3	2	4	6	0
608	HARDWARE AND FARM EQUIPMENT	11098	10921	5	5	0	0	156	16
178	FARM MACHINERY, EQUIP	314	314	0	0	0	0	0	0

SECTION 2.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES ONLY IN SELECTED INDUSTRIES*, UNITED STATES

CLASS OF WORKER

TOTAL ALL CLASSES PRIVATE WAGE AND SALARY WORKER GOVERNMENT WORKERS STATE LOCAL SELF EMPLOYED UNPAID FAMILY WORKERS

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	TOTAL	FEDERAL	STATE	LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
27	FORESTRY	134	67	10	0	0	0	48	9
289	BEVERAGE INDUSTRIES	4861	4796	11	5	0	6	54	0
268	MEAT PRODUCTS	5474	4741	712	543	149	20	14	7
269	DAIRY PRODUCTS	1780	1766	10	5	0	5	4	0
278	CANNING AND PRESERVING	5314	5215	93	56	24	13	6	0
279	GRAIN MILL PRODUCTS	1577	1538	39	15	16	8	0	0
328	PULP, PAPER, PAPERBOARD MILLS	6303	6287	16	7	0	9	0	0
388	LEATHER TANNING, FINISHING	212	208	4	4	0	0	0	0
268	MEAT PRODUCTS	2405	2357	38	33	5	0	5	5
269	DAIRY PRODUCTS	1022	1004	13	5	0	8	5	0
278	CANNING AND PRESERVING	5935	5899	20	3	5	12	0	16
297	MISC FOOD PREPARATION	448	448	0	0	0	0	0	0
299	TOBACCO MANUFACTURING	513	513	0	0	0	0	0	0
317	YARN, FABRIC MILLS	2839	2805	4	0	0	4	30	0
318	MISC TEXTILE MILL PRODUCTS	320	320	0	0	0	0	0	0
388	LEATHER TANNING, FINISHING	526	515	6	0	6	0	5	0
418	WAREHOUSING AND STORAGE	1035	1019	0	0	0	0	10	6
527	FOOD AND RELATED PROD	21638	21183	177	48	45	84	183	95
528	FARM PROD-RAW MATERIAL	281	276	5	0	5	0	0	0
587	WHOLESALE, NEC	449	430	0	0	0	0	14	5
628	GROCERY STORES	189	175	9	4	0	5	5	0
638	FOOD STORES, NEC	550	515	11	5	0	6	15	9
107	LOGGING	5879	5339	5	5	0	0	511	24
108	SAWMILL, PLANING MILL, MILL WK	37218	34552	151	59	33	59	2472	43
18	AGRICULTURE SERVICES, EXC HORT	2817	2665	43	21	5	17	109	0
17	AGRICULTURAL PRODUCTION	11109	10085	230	40	89	101	650	144
18	AGRICULTURE SERVICES, EXC HORT	4185	3867	22	0	22	0	287	9
27	FORESTRY	199	111	42	21	10	11	46	0

SECTION 2.--OCCUPATIONS THAT REQUIRE OR UTILIZE AGRIBUSINESS COMPETENCIES ONLY IN SELECTED INDUSTRIES**, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	WAGE AND TOTAL	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
					GOVERNMENT FEDERAL	STATE	STATE			
107	LOGGING	65173	42954	237	74	89	74	21356	626	
				761 LUMBERMEN, RAFTSMEN, AND WOODCHOPPERS CONTINUED						
107	LOGGING	1886	1201	17	6	0	11	653	15	
108	SAWMILL, PLANING MILL, MILL WK	2578	2323	6	6	0	0	244	5	
				763 TEAMSTERS						
18	AGRICULTURE SERVICES, EXC HORT	698	600	16	11	5	0	82	0	
27	FORESTRY	5372	3055	1929	832	772	325	368	20	
28	FISHERIES	153	121	15	0	15	0	17	0	
108	SAWMILL, PLANING MILL, MILL WK	7500	7224	32	0	8	24	244	0	
689	RETAIL FLORISTS	2720	2594	0	0	0	0	64	62	
				780 MISCELLANEOUS LABORERS						
TOTAL	ALL 54 OCCUPATIONS	663541	535703	14162	5777	6661	1724	108529	5147	

* 54 OCCUPATIONS WITHIN SELECTED INDUSTRIES

Section 2.--Occupations that require, or utilize agribusiness competencies only in selected industries

Occupation	Total	all classes	Private	Class of worker				Local	Self employed	Unpaid family workers
				Wage and salary workers		Government workers				
				Total	Federal	State	Local			
001 Accountants	839		735	11	--	--	11	64	29	
002 Architects	4,766		1,596	162	142	14	6	3,003	5	
011 Civil engineers	1,471		38	1,433	1,356	71	6	--	--	
012 Electrical and electronic eng.	235		235	--	--	--	--	--	--	
013 Industrial engineers	3,446		3,426	5	5	--	--	15	--	
014 Mechanical engineers	1,359		1,354	--	--	--	--	5	--	
022 Sales engineers	120		120	--	--	--	--	--	--	
023 Engineers, N.E.C.	1,408		1,403	--	--	--	--	5	--	
044 Biological scientists	908		145	738	304	406	28	25	--	
045 Chemists	5,204		5,090	109	57	52	--	5	--	
056 Personnel and labor relations	347		306	15	10	5	--	20	6	
085 Health tech., technicians	221		211	10	10	--	--	--	--	
091 Economists	742		710	--	--	--	--	32	--	
102 Agricultural teachers	4,441		401	4,040	145	3,617	278	--	--	
151 Chemical technicians	929		919	10	5	--	5	--	--	
152 Draftsman	1,501		1,476	25	9	--	16	--	--	
163 Airplane pilots	2,163		1,362	38	17	5	16	745	18	
183 Designers	588		498	--	--	--	--	85	5	
192 Public relations men	388		382	6	--	6	--	--	--	
203 Buyers and shippers, farm prod.	19,730		13,219	83	30	34	19	6,340	88	
205 Buyers, wholesale and retail	22,567		17,241	124	94	10	20	4,926	276	
210 Credit men	221		221	--	--	--	--	--	--	
220 Office managers, N.E.C.	4,524		4,354	5	--	--	5	121	44	
221 Officers, pilots, pursers	2,229		1,474	5	5	--	--	745	5	
225 Purchasing agents and buyers	4,250		3,825	210	169	41	--	215	--	
231 Sales managers, dept. heads	4,112		3,691	37	15	12	10	346	38	
233 Sales managers, exc. retail	18,707		18,409	44	17	27	--	254	--	
245 Managers and admin. N.E.C.	111,087		72,443	2,106	1,098	770	238	35,628	910	
260 Advertising agents and sales	221		216	5	5	--	--	--	--	
261 Auctioneers	553		397	5	--	--	5	146	5	
262 Demonstrators	1,013		1,003	--	--	--	--	6	4	
281 Sales repres., mfg.	6,778		6,480	10	5	--	5	257	31	
282 Sales repres., wholesale	106,561		94,045	217	100	37	80	12,025	274	
283 Sales clerks, retail	49,537		41,449	161	23	67	71	6,575	1,352	
374 Shipping and receiving clerks	162		146	--	--	--	--	4	12	
392 Weighers	999		979	4	4	--	--	11	5	
394 Misc. clerical workers	277		209	51	31	20	--	6	11	
403 Blacksmiths	4,555		750	22	4	--	18	3,745	38	

Summary all industries

Section 2.--Occupations that require, or utilize agribusiness competencies only in selected industries -- continued

Occupation	Total all classes	Private	Class of worker				Self employed	Unpaid family workers
			Wage and salary workers		State	Local		
			Government workers	Federal				
			Total	Federal	State	Local		
	Summary all industries							
425 Decorators and window dressers	32,003	25,640	72	13	36	23	5,421	870
450 Inspectors, scalers, graders	13,366	13,031	248	198	16	34	82	5
452 Inspectors, N.E.C.	2,621	2,398	214	80	110	24	9	--
481 Heavy equip. mechanics	14,786	14,594	14	8	2	4	162	16
514 Pattern and model makers	314	314	--	--	--	--	--	--
575 Craftsmen and kindred	4,995	4,863	21	15	--	6	102	9
610 Checkers and examiners, mfg.	20,660	19,755	874	630	189	55	24	7
624 Graders and sorters	14,008	13,861	81	41	16	24	45	21
625 Prod. grader, packers	24,142	23,598	202	57	50	95	227	115
662 Sawyers	43,097	39,891	156	64	33	59	2,983	67
690 Machine operatives	2,817	2,665	43	21	5	17	109	--
715 Truck drivers	15,294	13,952	252	40	111	101	937	153
761 Lumbermen, raftsmen & woodchopper	65,372	43,065	279	95	99	85	21,402	626
763 Teamsters	4,464	3,524	23	12	--	11	897	20
780 Miscellaneous laborers	16,443	13,594	1,992	843	800	349	775	82
* Total all occupations	663,541	535,703	14,162	5,777	6,661	1,724	108,529	5,147

* 54 occupations within selected industries.

Employment Table Section III

Occupations Within Selected Industries Where Some Workers

Require, or Utilize Agribusiness Competencies

This section consists of 67 occupations within 82 selected industries. The major difference from section II is that not all persons employed in the occupations in section III require or utilize agribusiness competencies. For example, some economists in universities require or utilize agribusiness competency (such as agricultural economist) while other economists in the same industry do not use, or require, such competencies.

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		STATE	FEDERAL			
				TOTAL	GOVERNMENT WORKERS					
				1 ACCOUNTANTS						
708	CREDIT AGENCIES	7271	6477	740	552	120	68	48	6	
738	BUSINESS MANAGEMENT SERVICES	20097	12800	343	161	51	131	6807	147	
739	COMPUTER PROGRAMMING	1130	1087	17	11	6	0	26	0	
889	ACCOUNTING, AUDITING	148467	87825	1663	1128	234	301	58339	640	
				2 ARCHITECTS (LANDSCAPE)						
888	ENG AND ARCH SERVICES	38242	23959	305	124	82	99	13944	34	
917	FEDERAL PUBLIC ADMIN	1833	0	1833	1833	0	0	0	0	
927	STATE PUBLIC ADMIN	614	0	614	0	614	0	0	0	
				5 COMPUTER SPECIALISTS, N.E.C.						
729	COMMERCIAL R AND D	255	229	26	26	0	0	0	0	
				11 CIVIL ENGINEERS						
68	GENERAL CONTRACTORS, EXC BLDG	50640	11476	38912	6801	27119	4992	252	0	
479	OTHER UTILITIES, NEC	449	72	377	329	16	32	0	0	
				13 INDUSTRIAL ENGINEERS						
197	MACHINERY, NEC	6552	6509	0	0	0	0	43	0	
				14 MECHANICAL ENGINEERS						
197	MACHINERY, NEC	13392	13236	4	4	0	0	152	0	
				22 SALES ENGINEERS						
197	MACHINERY, NEC	4375	4300	0	0	0	0	75	0	
				23 ENGINEERS, N.E.C. (AGRICULTURAL)						
27	FORESTRY	257	5	252	206	38	8	0	0	
67	GENERAL BUILDING CONTRACTORS	446	365	72	9	63	0	9	0	
68	GENERAL CONTRACTORS, EXC BLDG	2196	498	1673	258	1264	151	25	0	
158	FABRICATED METAL PROD	2024	1989	16	16	0	0	19	0	
197	MACHINERY, NEC	7633	7553	7	7	0	0	73	0	
467	ELECTRIC LIGHT AND POWER	1147	991	156	75	17	64	0	0	
858	COLLEGES AND UNIVERSITIES	2720	979	1736	109	1563	64	5	0	
917	FEDERAL PUBLIC ADMIN	14859	0	14859	14859	0	0	0	0	
927	STATE PUBLIC ADMIN	1584	0	1584	0	1584	0	0	0	
				36 STATISTICIANS						
729	COMMERCIAL R AND D	255	230	21	9	5	7	4	0	
748	OTHER MISC BUSINESS SERVICES	138	138	0	0	0	0	0	0	
858	COLLEGES AND UNIVERSITIES	995	321	670	49	616	5	4	0	
897	MISC PROFESSIONAL SERVICES	425	273	143	93	45	5	9	0	

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY GOVERNMENT WORKERS TOTAL	FEDERAL	STATE			
917	FEDERAL PUBLIC ADMIN	4552	0	4552	0	0	0	0	
36 STATISTICIANS CONTINUED									
917	FEDERAL PUBLIC ADMIN	3613	0	3613	0	0	0	0	
927	STATE PUBLIC ADMIN	50	0	50	0	0	0	0	
43 ATMOSPHERIC AND SPACE SCIENTISTS									
347	INDUSTRIAL CHEMICALS	333	265	68	65	3	0	0	
357	DRUGS AND MEDICINES	2141	2135	0	0	0	0	6	
729	COMMERCIAL R AND D	760	597	163	138	19	6	0	
858	COLLEGES AND UNIVERSITIES	4399	1481	2914	328	2512	74	4	
869	MUSEUMS, ART GALLERIES; ZOOS	301	166	130	50	11	69	5	
897	MISC PROFESSIONAL SERVICES	1562	980	481	284	187	10	101	
917	FEDERAL PUBLIC ADMIN	3646	0	3646	0	0	0	0	
927	STATE PUBLIC ADMIN	1800	0	1800	0	1800	0	0	
44 BIOLOGICAL SCIENTISTS									
49	CRUDE PETROLEUM AND NAT GAS	1095	1075	5	0	5	0	15	
269	DAIRY PRODUCTS	127	121	0	0	0	0	6	
317	YARN, FABRIC MILLS	897	897	0	0	0	0	0	
328	PULP, PAPER, PAPERBOARD MILLS	1345	1345	0	0	0	0	0	
347	INDUSTRIAL CHEMICALS	7856	7693	143	143	0	0	20	
368	MISC CHEMICALS	1959	1919	40	34	0	6	0	
508	DRUGS, CHEMICALS, ALLIED PROD	816	811	5	5	0	0	0	
729	COMMERCIAL R AND D	5158	4542	495	325	135	35	121	
858	COLLEGES AND UNIVERSITIES	5424	1934	3484	332	3068	84	6	
897	MISC PROFESSIONAL SERVICES	4882	3140	1500	907	551	42	242	
927	STATE PUBLIC ADMIN	905	0	905	0	905	0	0	
45 CHEMISTS									
917	FEDERAL PUBLIC ADMIN	24252	0	24252	0	0	0	0	
927	STATE PUBLIC ADMIN	26442	0	26442	0	26442	0	0	
56 PERSONNEL AND LABOR RELATIONS WORKERS									
848	HEALTH SERVICES, NEC	5359	1054	4208	361	1456	2391	92	
858	COLLEGES AND UNIVERSITIES	12877	5240	7621	543	6621	457	13	
917	FEDERAL PUBLIC ADMIN	739	0	739	0	0	0	0	
85 HEALTH TECHNOLOGIST, TECHNICIANS, N.E.C.									
338	NEWSPAPER PUBLISHING, PRINTING	153	153	0	0	0	0	0	
709	STOCK BROKERS, INVESTMENT	1845	1535	0	0	0	0	292	
91 ECONOMISTS									

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY WORKER FEDERAL	GOVERNMENT WORKERS STATE			
				91 ECONOMISTS CONTINUED					
378	BUSINESS MANAGEMENT SERVICES	5553	3363	59	24	16	19	2106	25
858	COLLEGES AND UNIVERSITIES	969	274	685	66	614	5	4	6
887	NONPROFIT MEMBERSHIP	469	469	0	0	0	0	0	0
897	MISC PROFESSIONAL SERVICES	587	464	60	28	32	0	58	5
917	FEDERAL PUBLIC ADMIN	7235	0	7235	7235	0	0	0	0
927	STATE PUBLIC ADMIN	1140	0	1140	0	1140	0	0	0
				104 BIOLOGY TEACHERS (COLLEGE)					
858	COLLEGES AND UNIVERSITIES	20592	6598	13994	207	12109	1678	0	0
				105 CHEMISTRY TEACHERS (COLLEGE)					
858	COLLEGES AND UNIVERSITIES	15714	5668	10046	156	8860	1030	0	0
				111 ENGINEERING TEACHERS (COLLEGE)					
858	COLLEGES AND UNIVERSITIES	16523	4639	11884	362	10263	1259	0	0
				113 HEALTH SPECIALTIES TEACHERS (COLLEGE)					
858	COLLEGES AND UNIVERSITIES	27621	9892	17729	632	14131	2966	0	0
				116 ECONOMICS TEACHERS (COLLEGE)					
858	COLLEGES AND UNIVERSITIES	9854	3447	6407	92	5624	691	0	0
				134 TRADE, INDUSTRIAL, TECHNICAL TEACHERS					
858	COLLEGES AND UNIVERSITIES	3142	711	2431	152	1668	611	0	0
				135 MISC. TEACHERS, COLLEGE & UNIVERSITY					
858	COLLEGES AND UNIVERSITIES	19203	5920	13283	227	11358	1698	0	0
				141 ADULT EDUCATION TEACHERS					
857	ELEMENTARY, SECONDARY	9463	1355	8046	296	1034	6716	57	5
867	EDUCATIONAL SERVICES, NEC	17196	9393	6816	1155	3013	2648	957	30
878	WELFARE SERVICES	700	293	407	109	107	191	0	0
				144 SECONDARY SCHOOL TEACHERS					
857	ELEMENTARY, SECONDARY	1001509	164396	837113	6805	99182	731126	0	0
				151 CHEMICAL TECHNICIANS					
748	OTHER MISC BUSINESS SERVICES	137	132	0	0	0	0	5	0
				153 ELECTRICAL, ELECTRONIC ENG. TECH.					
467	ELECTRIC LIGHT AND POWER	2452	2126	326	127	24	175	0	0

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY GOVERNMENT WORKERS FEDERAL STATE	WAGE AND SALARY GOVERNMENT WORKERS FEDERAL STATE	WAGE AND SALARY GOVERNMENT WORKERS FEDERAL STATE			
427	AIR TRANSPORTATION	37666	36386	163	238	108	84	816	34
				174 VOCATIONAL AND EDUCATIONAL COUNSELORS					
737	EMPLOYMENT, TEMPORARY HELP	279	157	92	9	57	26	30	0
857	ELEMENTARY, SECONDARY	59227	7430	51551	979	6424	44148	136	110
858	COLLEGES AND UNIVERSITIES	26595	9671	16791	378	14394	2019	64	69
867	EDUCATIONAL SERVICES, NEC	6108	2065	3854	499	2945	410	179	10
878	WELFARE SERVICES	897	323	550	119	195	236	9	15
917	FEDERAL PUBLIC ADMIN	2275	0	2275	0	0	0	0	0
927	STATE PUBLIC ADMIN	3556	0	3556	0	3556	0	0	0
937	LOCAL PUBLIC ADMIN	591	0	591	0	0	591	0	0
809	MISC ENTERTAINMENT	22603	15917	180	165	290	2266	3845	120
				181 AUTHORS					
338	NEWSPAPER PUBLISHING, PRINTING	197	187	0	0	0	0	10	0
339	PRINTING, PUBLISHING EXC NEWS	1688	1339	10	10	0	0	335	4
867	EDUCATIONAL SERVICES, NEC	77	35	15	15	0	0	27	0
887	NONPROFIT MEMBERSHIP	209	209	0	0	0	0	0	0
				183 DESIGNERS					
157	CUTLERY, OTHER HARDWARE	214	203	0	0	0	0	11	0
197	MACHINERY, NEC	2338	2277	0	0	0	0	61	0
259	MISC MANUFACTURING	3241	2861	0	0	0	0	369	11
				184 EDITORS AND REPORTERS					
338	NEWSPAPER PUBLISHING, PRINTING	58727	55006	851	119	571	161	2675	195
339	PRINTING, PUBLISHING EXC NEWS	26745	24981	434	175	219	40	1274	56
628	GROCERY STORES	161	161	0	0	0	0	0	0
807	MOTION PICTURES, THEATERS	3804	3344	29	25	0	4	431	0
858	COLLEGES AND UNIVERSITIES	5613	2384	3191	76	3003	112	33	5
917	FEDERAL PUBLIC ADMIN	6204	0	6204	0	0	0	0	0
927	STATE PUBLIC ADMIN	553	0	553	0	553	0	0	0
				192 PUBLIC RELATIONS MEN, PUBLICITY WRITERS					
609	DEPARTMENT, MAIL ORDER	829	819	0	0	0	0	10	0
628	GROCERY STORES	168	168	0	0	0	0	0	0
697	MISC RETAIL TRADE STORES	302	280	0	0	0	0	22	0
917	FEDERAL PUBLIC ADMIN	2518	0	2518	2518	0	0	0	0
927	STATE PUBLIC ADMIN	1654	0	1654	0	1654	0	0	0
937	LOCAL PUBLIC ADMIN	28002	0	28002	0	0	28002	0	0
				201 ASSESSORS, CONTROLLERS, LOCAL PUB ADMIN					

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	GOVERNMENT FEDERAL	WORKERS STATE	FINANCIAL MANAGERS			
707	BANKING	204661	200201	4155	2741	1263	151	305	0	
708	CREDIT AGENCIES	55158	52322	2836	2698	138	0	0	0	
609	DEPARTMENT, MAIL ORDER	37129	36683	83	14	21	48	303	60	
697	MISC RETAIL TRADF STORES	10705	6176	123	10	104	9	4182	224	
707	BANKING	3676	3611	65	48	12	5	0	0	
708	CREDIT AGENCIES	6256	6133	87	71	0	16	32	4	
748	OTHER MISC BUSINFSS SERVICES	2014	1849	20	0	0	20	129	16	
917	FEDERAL PUBLIC ADMIN	48254	0	48254	48254	0	0	0	0	
927	STATE PUBLIC ADMIN	19908	0	19908	0	19908	0	0	0	
937	LOCAL PUBLIC ADMIN	9927	0	9927	0	0	9927	0	0	
917	FEDERAL PUBLIC ADMIN	114252	0	114252	114252	0	0	0	0	
927	STATE PUBLIC ADMIN	48132	0	48132	0	48132	0	0	0	
937	LOCAL PUBLIC ADMIN	75480	0	75480	0	0	75480	0	0	
887	NONPROFIT MEMBERSHIP	50085	50085	0	0	0	0	0	0	
259	MISC MANUFACTURING	2019	1974	13	13	0	0	27	5	
328	PULP, PAPER, PAPERBOARD MILLS	1347	1342	0	0	0	0	5	0	
418	WAREHOUSING AND STORAGE	209	187	4	0	0	4	18	0	
878	WELFARE SERVICES	242	118	124	43	45	36	0	0	
607	LUMBER, BUILDING MATERIAL	5153	4835	10	6	4	0	299	9	
608	HARDWARE AND FARM EQUIPMENT	2973	2583	0	0	0	0	380	10	
609	DEPARTMENT, MAIL ORDER	59761	59289	165	80	20	65	291	16	
627	MISC MERCHANDISE STORES	4372	4372	484	470	8	6	168	23	
628	GROCERY STORES	39632	38653	301	209	18	74	605	73	
697	MISC RETAIL TRADF STORES	9001	8099	80	31	31	18	757	65	
127	CEMENT, CONCRETE, PLASTER	1285	1271	0	0	0	0	14	0	
157	CUTLERY, OTHER HARDWARE	915	899	10	10	0	0	6	0	

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SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	WAGE AND TOTAL	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
					SALARY GOVERNMENT FEDERAL STATE	EXCEPT RETAIL TRADE	SALES MANAGERS, COLLEGE ADMINISTRATORS, N.E.C.			
					233 SALES MANAGERS, EXCEPT RETAIL TRADE CONTINUED					
259	MISC MANUFACTURING	3345	3253	19	0	11	8	67	6	
418	WAREHOUSING AND STORAGE	520	507	0	0	0	0	13	0	
539	MACHINERY EQUIP, SUPPLIES	14493	14181	5	5	0	0	288	19	
587	WHOLESALE, NEC	8300	7951	10	0	10	0	334	5	
858	COLLEGES AND UNIVERSITIES	38928	18917	18994	410	15039	3545	1017	0	
					245 MANAGERS AND ADMINISTRATORS, N.E.C.					
107	LOGGING	6806	2104	6	0	0	6	4664	32	
108	SAWMILL, PLANING MILL, MILL WK	14549	10431	29	12	0	17	4050	39	
109	MISC WOOD PROD	5269	4047	11	0	11	0	1192	19	
259	MISC MANUFACTURING	25443	21041	90	19	54	17	4223	89	
268	MEAT PRODUCTS	8245	7139	16	11	0	5	1058	32	
269	DAIRY PRODUCTS	8577	7694	40	6	23	11	811	32	
278	CANNING AND PRESERVING	7718	7178	25	6	14	5	498	17	
317	YARN, FABRIC MILLS	12054	11346	33	0	0	11	648	27	
318	MISC TEXTILE MILL PRODUCTS	2056	1932	0	0	0	0	124	0	
328	PULP, PAPER, PAPERBOARD MILLS	8666	8527	9	4	5	0	130	0	
417	TRUCKING SERVICE	49155	36392	217	86	24	107	12424	122	
418	WAREHOUSING AND STORAGE	12379	10202	98	41	16	41	2008	71	
429	TRANSPORTATION SERVICES	24737	21468	448	32	240	176	2665	156	
587	WHOLESALE, NEC	35273	27200	56	37	5	14	7798	219	
607	LUMBER, BUILDING MATERIAL	42848	30614	59	18	5	36	11945	230	
608	HARDWARE AND FARM EQUIPMENT	34929	18979	56	17	29	10	15592	302	
627	MISC MERCHANDISE STORES	25961	12351	1609	1562	36	11	11447	554	
628	GROCERY STORES	225124	122998	918	573	132	213	96833	4375	
629	DAIRY PROD STORES	6511	4181	14	0	5	9	2212	104	
638	FOOD STORES, NEC	12456	4638	39	21	14	4	7528	251	
708	CREDIT AGENCIES	17757	16483	452	383	22	47	811	11	
709	STOCK BROKERS, INVESTMENT	27463	21325	89	37	16	36	5932	117	
718	REAL ESTATE, RE LAW INSURANCE	44795	31940	2537	335	138	2064	9855	463	
739	COMPUTER PROGRAMMING	8078	7848	47	20	21	6	177	6	
748	OTHER MISC BUSINFESS SERVICES	38872	28743	252	72	38	142	9632	245	
759	OTHER REPAIR SERVICES	13851	7601	22	11	6	5	6119	109	
778	LODGING PLACES, EXC HOTELS	13382	6420	107	35	38	34	6430	425	
869	MUSEUMS, ART GALLERIES; ZOOS	2124	1264	367	131	29	207	466	27	
887	NONPROFIT MEMBERSHIP	13272	13272	0	0	0	0	0	0	
587	WHOLESALE, NEC	258	219	0	0	0	0	39	0	
					260 ADVERTISING AGENTS AND SALESMEN					

SECTION 3.---OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER	GOVERNMENT WORKERS	FEDERAL	STATE			
697	MISC RETAIL TRADE STORES	201	178	0	0	0	0	0	23	0
748	OTHER MISC BUSINFSS SERVICES	2311	645	12	0	6	6	1629	25	25
717	INSURANCE	444539	380769	3064	1439	857	768	60297	409	409
718	REAL ESTATE, RE LAW INSURANCE	8146	5302	40	0	10	30	2758	46	46
709	STOCK BROKERS, INVESTMENT	90613	79968	703	271	227	205	9753	189	189
127	CEMENT, CONCRETE, PLASTER	5572	5437	9	9	0	0	117	9	9
157	CUTLERY, OTHER HARDWARE	3253	2994	0	0	0	0	239	20	20
259	MISC MANUFACTURING	17271	15627	55	21	21	13	1480	109	109
738	BUSINESS MANAGEMENT SERVICES	6636	5624	103	35	26	42	892	17	17
858	COLLEGES AND UNIVERSITIES	1196	660	520	24	460	36	16	0	0
887	NONPROFIT MEMBERSHIP	210	210	0	0	0	0	0	0	0
917	FEDERAL PUBLIC ADMIN	41110	0	41110	41110	0	0	0	0	0
927	STATE PUBLIC ADMIN	946	0	946	0	946	0	0	0	0
27	FORESTRY	110	10	100	86	14	0	0	0	0
708	CREDIT AGENCIES	9046	8020	829	675	129	25	197	0	0
917	FEDERAL PUBLIC ADMIN	22638	0	22638	22638	0	0	0	0	0
927	STATE PUBLIC ADMIN	8168	0	8168	0	8168	0	0	0	0
937	LOCAL PUBLIC ADMIN	5373	0	5373	0	0	5373	0	0	0
321	ESTIMATORS AND INVESTIGATORS, N.E.C.									
323	EXPEDITERS AND PRODUCTION CONTROLLERS									
108	SAWMILL, PLANNG MILL, MILL WK	492	488	4	0	0	4	0	0	0
268	MEAT PRODUCTS	360	355	0	0	0	0	0	5	5
269	DAIRY PRODUCTS	272	267	0	0	0	0	5	0	0
278	CANNING AND PRESERVING	372	366	6	0	6	0	0	0	0
279	GRAIN MILL PRODUCTS	336	336	0	0	0	0	0	0	0
717	INSURANCE	89713	85652	1985	654	1233	98	2070	6	6
707	BANKING	1739	1657	62	37	4	21	20	0	0

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	INDUSTRY	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER			LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND TOTAL	SALARY FEDERAL	GOVERNMENT STATE			
708	CREDIT AGENCIES	1872	1619	225	220	5	0	28	0
717	INSURANCE	2050	811	1142	1094	25	23	97	0
718	REAL ESTATE, RE LAW INSURANCE	8628	3819	680	148	122	410	4108	21
17	AGRICULTURAL PRODUCTION	4617	3905	423	147	174	102	118	171
18	AGRICULTURE SERVICES, EXC HORT	3972	3442	300	61	157	82	75	155
19	HORTICULTURAL SERVICES	1666	1482	15	4	11	0	46	123
27	FORESTRY	1168	199	954	529	384	41	10	5
28	FISHERIES	203	120	58	24	34	0	10	15
937	LOCAL PUBLIC ADMIN	21574	0	21574	0	0	21574	0	0
429	TRANSPORTATION SERVICES	502	376	98	4	72	22	21	7
748	OTHER MISC BUSINFSS SERVICES	2155	1829	172	76	55	41	154	0
848	HEALTH SERVICES, NEC	5410	172	5229	233	1722	3274	9	0
539	MACHINERY EQUIP, SUPPLIES	19610	19349	53	25	18	10	198	10
759	OTHER REPAIR SERVICES	14166	10710	126	61	18	47	3274	56
197	MACHINERY, NEC	3565	3471	11	11	0	0	83	0
127	CEMENT, CONCRETE, PLASTER	1158	1131	27	6	11	10	0	0
157	CUTLERY, OTHER HARDWARE	4046	4021	20	6	9	5	5	0
268	MEAT PRODUCTS	21941	21633	161	51	40	70	123	24
778	LOGGING PLACES, FXC HOTELS	244	226	5	5	0	0	8	5
778	LOGGING PLACES, FXC HOTELS	447	340	23	4	5	14	79	5
809	MISC ENTERTAINMENT	4742	3957	336	35	74	227	438	11

* 67 OCCUPATIONS WITHIN SELECTED INDUSTRIES. SOME OCCUPATIONS MAY BE IN SECTION 2 AND 3 DEPENDING ON DEGREE OF KNOWLEDGE REQUIRED AND ATTACHMENT TO THE AGRIBUSINESS SECTOR

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES

CODE	OCCUPATION	TOTAL ALL CLASSES	PRIVATE	CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
				WAGE AND SALARY WORKER		GOVERNMENT WORKERS				
				TOTAL	FEDERAL	STATE	STATE			
SUMMARY ALL INDUSTRIES										
1	ACCOUNTANTS	176965	108189	2763	1852	411	500	65220	793	
2	ARCHITECTS (LANOSCAPE)	40689	23959	2752	1957	696	99	13944	34	
5	COMPUTER SPECIALISTS, N.E.C.	255	229	26	26	0	0	0	0	
11	CIVIL ENGINEERS	51089	11548	39289	7130	27135	5024	252	0	
13	INDUSTRIAL ENGINEERS	6552	6509	0	0	0	0	43	0	
14	MECHANICAL ENGINEERS	13392	13236	4	4	0	0	152	0	
22	SALES ENGINEERS	4375	4300	0	0	0	0	75	0	
23	ENGINEERS, N.E.C. (AGRICULTURAL)	32866	12380	20355	15539	4529	287	131	0	
36	STATISTICIANS	6365	962	5386	4703	666	17	17	0	
43	ATMOSPHERIC AND SPACE SCIENTISTS	3663	0	3663	3613	50	0	0	0	
44	BIOLOGICAL SCIENTISTS	14942	5624	9202	4511	4532	159	116	0	
45	CHEMISTS	30464	23477	6577	1746	4664	167	410	0	
56	PERSONNEL AND LABOR RELATIONS WORKERS	50694	0	50694	24252	26442	0	0	0	
85	HEALTH TECHNOLOGIST, TECHNICIANS, N.E.C.	18975	6294	12568	1643	8077	2848	105	8	
91	ECONOMISTS	17951	6258	9179	7353	1802	24	2460	54	
104	BIOLOGY TEACHERS (COLLEGE)	20592	6598	13994	207	12109	1678	0	0	
105	CHEMISTRY TEACHERS (COLLEGE)	15714	5668	10046	156	8860	1030	0	0	
111	ENGINEERING TEACHERS (COLLEGE)	16523	4639	11884	362	10263	1259	0	0	
113	HEALTH SPECIALTIFS TEACHERS (COLLEGE)	27621	9892	17729	632	14131	2966	0	0	
116	ECONOMICS TEACHERS (COLLEGE)	9854	3447	6407	92	5624	691	0	0	
134	TRADE, INDUSTRIAL, TECHNICAL TEACHERS	3142	711	2431	152	1668	611	0	0	
135	MISC. TEACHERS, COLLEGE & UNIVERSITY	19203	5920	13283	227	11358	1698	0	0	
141	ADULT EDUCATION TEACHERS	27359	11041	15269	1560	4154	9555	1014	35	
144	SECONDARY SCHOOL TEACHERS	1001509	164396	837113	6805	99182	731126	0	0	
151	CHEMICAL TECHNICIANS	137	132	0	0	0	0	5	0	
153	ELECTRICAL, ELECTRONIC ENG. TECH.	2452	2126	326	127	24	175	0	0	
163	BIPLANE PILOTS	37666	36386	430	238	108	84	816	34	
174	VOCATIONAL AND EDUCATIONAL COUNSELORS	95528	19646	79260	4259	27571	47430	418	204	
180	ATHLETES AND KINDRED WORKERS	22603	15917	2721	165	290	2266	3845	120	
181	AUTHORS	2171	1770	25	25	0	0	372	4	
183	DESIGNERS	5793	5341	0	0	0	0	441	11	
184	EDITORS AND REPORTERS	101807	85876	11262	6599	4346	317	4413	256	
192	PUBLIC RELATIONS MEN, PUBLICITY WRITERS	5471	1267	4172	2518	1654	0	32	0	
201	ASSESSORS, CONTROLLERS, LOCAL PUB ADMIN	28002	0	28002	0	0	28002	0	0	
202	BANK OFFICERS AND FINANCIAL MANAGERS	259819	252523	6991	5439	1401	151	305	0	
205	BUYERS, WHOLESALE AND RETAIL TRADE	47834	42859	206	24	125	57	4485	284	
210	CREDIT MEN	11946	11593	1172	119	12	41	161	20	
215	INSPECTORS, EXC. CONSTRUCTION, PUB ADMIN	78089	0	78089	48254	19908	9927	0	0	
222	OFFICIALS, ADMIN., PUB. ADMIN., N.E.C.	237864	0	237864	114252	48132	75480	0	0	
223	OFFICIALS OF LODGES, SOCIETIES, UNIONS	50085	50085	0	0	0	0	0	0	
225	PURCHASING AGENTS AND BUYERS, N.E.C.	3817	3621	141	56	45	40	50	5	
231	SALES MANAGERS, DEPT HEADS, RETAIL TRADE	120892	117156	1040	796	81	163	2500	196	

SECTION 3.--OCCUPATIONS WITHIN SELECTED INDUSTRIES WHERE SOME WORKERS REQUIRE, OR UTILIZE AGRIBUSINESS COMPETENCIES*, UNITED STATES (CONTINUED)

CODE	OCCUPATION	TOTAL		CLASS OF WORKER				LOCAL	SELF EMPLOYED	UNPAID FAMILY WORKERS
		ALL CLASSES		WAGE AND SALARY WORKER		GOVERNMENT WORKERS				
		PRIVATE	TOTAL	FEDERAL	STATE	FEDERAL	STATE			
SUMMARY ALL INDUSTRIES										
233	SALES MANAGERS, EXCEPT RETAIL TRADE	28858	44	15	21	8	722	30		
235	SCHOOL, ADMINISTRATORS, COLLEGE	38928	18994	410	15039	3545	1017	0		
245	MANAGERS AND ADMINISTRATORS, N.E.C.	748350	7646	3469	943	3234	227272	8074		
260	ADVERTISING AGENTS AND SALESMEN	459	397	0	0	0	62	0		
261	AUCTIONEERS	2311	645	12	6	6	1629	25		
265	INSURANCE AGENTS, BROKERS, UNDERWRITERS	452685	386071	3104	1439	798	63055	455		
271	STOCK AND BOND SALESMEN	90613	79968	703	271	205	9753	189		
281	SALES REPRESENTATIVES, MFG.	26096	24058	64	30	13	1836	138		
320	ENUMERATORS AND INTERVIEWERS	50098	6494	42679	41169	78	908	17		
321	ESTIMATORS AND INVESTIGATORS, N.E.C.	45335	8030	37108	8311	5398	197	0		
323	EXPEDITORS AND PRODUCTION CONTROLLERS	1832	1812	10	6	4	5	5		
326	INSURANCE ADJUSTERS, EXAM.	89713	85652	1985	654	98	2070	6		
363	REAL ESTATE APPRAISERS	14289	7906	2109	1499	454	4253	21		
372	SECRETARIES, N.E.C.	11626	9148	1750	765	225	259	469		
394	MISCELLANEOUS CLERICAL WORKERS	21574	0	21574	0	21574	0	0		
452	INSPECTORS, N.E.C.	8067	2377	5499	313	3337	184	7		
481	HEAVY EQUIPMENT MECHANICS	33776	30059	179	86	57	3472	66		
514	PATTERN AND MODEL MAKERS	3565	3471	11	11	0	83	0		
610	CHECKERS, EXAMINERS, INSPECTORS; MFG.	5204	5152	47	12	15	5	0		
694	MISCELLANEOUS OPERATIVES	21941	21633	161	51	70	123	24		
780	MISCELLANEOUS LABORERS	244	226	5	5	0	8	5		
933	ATTENDANTS, PERSONNEL SERVICE, N.E.C.	5189	4297	359	39	241	517	16		
TOTAL--ALL OCCUPATIONS		4427483	2311308	1685358	341030	963232	419212	11605		

* 67 OCCUPATIONS WITHIN SELECTED INDUSTRIES. SOME OCCUPATIONS MAY BE IN SECTION 2 AND 3 DEPENDING ON DEGREE OF KNOWLEDGE REQUIRED AND ATTACHMENT TO THE AGRIBUSINESS SECTOR

APPENDIX A

A Definition of Agribusiness Occupational Competencies 1/

I. Summarized definition of agribusiness occupational competencies.

Skills in and knowledge of (1) agricultural production -- the production and propagation of animals (land and aquatic), animal products, plants (crop and ornamental), plant products, and forests and forest products -- and the provision of services associated with agricultural production; (2) the manufacture and distribution, supplies used in agricultural production; (3) the designing, installation, repair, operation, and servicing of machinery, equipment, and power sources and the construction of structures and conveniences used in agricultural production; (4) the inspection, processing, and marketing of agricultural products and primary byproducts; (5) aspects of greenhouse, nursery, landscaping, and other ornamental horticultural operations; (6) the conservation, propagation, improvement, and utilization of renewable natural resources; and (7) the multiple uses of forest lands and resources.

II. Detailed definition of agribusiness occupational competencies.

A. AGRICULTURAL PRODUCTION -- Skills in and knowledge of the production of plants, animals, and their products.

1. Animal science -- Skills in and knowledge of the production of animals and animal products.

a. Animal propagation and production -- Knowledge of animals produced for food, fiber, and other purposes.

(1) Animals produced for food and fiber -- Knowledge of cattle, swine, sheep, poultry, fish (see also II.F.7. Fish), and other animals produced for food and fiber.

(2) Other animals -- Knowledge of pets, wildlife (see also II.F.4. Wildlife), laboratory animals, and other animals produced and propagated for purposes other than food and fiber.

b. Nutrition -- Knowledge of the relationship of proteins, fats, carbohydrates, water, minerals, and vitamins in the production of meat, milk, eggs, and wool.

c. Genetics -- Knowledge of the principles of inheritance and their applications for the breeding and selection of animals.

d. Physiology -- Knowledge of the body processes and functions related to the production of animals and animal products (for

1/ This definition is based primarily on Subject-Matter Area 01 of Standard Terminology for Curriculum and Instruction in Local and State School Systems, Office of Education, U.S. Department of Health, Education, and Welfare.

example, lactation, reproduction, egg production, digestion, growth, and wool production).

- e. Animal health -- Skills in and knowledge of the prevention and control of animal diseases and the treatment of injuries to animals.
 - f. Production management -- Skills in and knowledge of the operation and management of a farm, ranch, or other establishment involved in the production of animals and animal products.
 - (1) Feeding practices -- Knowledge of the "least cost" combinations of feed ingredients for achieving maximum quality and quantity in production.
 - (2) Housing practices -- Knowledge of the housing and other environmental needs of specific kinds of animals.
 - g. Other animal science -- Competencies, not elsewhere included, in the propagation and production of animals and animal products.
2. Plant science -- Skills in and knowledge of the production of plants and the products derived from plants.
- a. Plant culture and production -- Knowledge of plants produced for food, fiber, and other purposes.
 - (1) Crops produced for food and fiber -- Knowledge of cereal grain crops, fiber crops, forage crops, oil crops, tree fruit and nut crops, small fruit and berry crops, vegetable crops, and other crops produced for food and fiber.
 - (2) Other plants -- Knowledge of shrubs, trees, flowers, turf, and other plants cultivated and produced for ornamental, esthetic, and other purposes except for food and fiber (see also II.E. Ornamental horticulture); and forest trees and forestry products (see also II.C. Forestry).
 - b. Soils -- Knowledge of the physical, chemical, biological, and fertility properties of soils in relation to their management for crop and other agricultural production operations.
 - c. Nutrition -- Knowledge of the nutrient and soil fertility requirements of plants.
 - d. Genetics -- Knowledge of the principles of inheritance and their applications for the breeding and selection of plants.
 - e. Physiology -- Knowledge of the life processes in plants and their implications in the production of plants and plant products.
 - f. Plant disease and pest control -- Knowledge of the symptoms,

causes, and control of plant injuries and diseases; the impact and control of beneficial and harmful insects, nematodes, snails, mites, rodents, and birds in relation to agricultural production; and the control of undesirable forms of plant life.

- (1) Insecticides and rodenticides -- Knowledge of and skills in the use of substances used to destroy or otherwise control harmful insects, rodents, and other plant pests.
 - (2) Fungicides, bactericides, viricides, and nematocides -- Knowledge of and skills in the use of substances used to destroy or inhibit bacteria, viruses, and other causes of plant diseases.
 - (3) Herbicides -- Knowledge of and skills in the use of compounds used to destroy or inhibit the growth of selected plants.
 - (4) Nonchemical and other methods of controlling plant diseases and pests -- Knowledge of biological, mechanical, cultural, and other methods of control.
- g. Environmental biology -- Knowledge of the interaction of plant life processes with factors of the environment, and their characteristics and implications for managing plant production.
- h. Other plant science -- Competencies, not elsewhere included, in the culture and production of plant and plant products.
3. Agricultural mechanics -- (See II.C. Agricultural mechanics).
4. Agricultural business management -- Decisionmaking skills in and knowledge of production efficiency and resource analysis, accounting, finance, and other business management factors applied to agricultural production operations.
- a. Accounting -- Skills in accounting, including tax accounting, as applied to agricultural production operations.
 - b. Efficiency analysis -- Skills in the use of performance records in determining and analyzing the efficiency of an agricultural production operation.
 - c. Agricultural economics -- Skills in budget analysis and the use of quantitative input-output relationships, costs, and price expectations to secure optimum economic returns for agricultural production operations.
 - d. Manpower utilization -- Decisionmaking skills in and knowledge of the economic use and management of labor resources.
 - e. Purchasing and marketing -- Skills in purchasing agricultural production inputs (such as livestock, seed, and machinery)

and marketing animal and plant products for agricultural production operations.

- f. Financial and legal management -- Knowledge of the financial and legal aspects of managing an agricultural production business, such as agricultural loans and credit.
 - g. Agribusiness organizations -- Knowledge of current programs of agribusiness organizations, including their development, purposes, and usefulness.
 - h. Government programs -- Knowledge of current government policies, regulations, and programs available to and having influence upon agricultural production, management, and prices, and income of rural people.
 - i. Other agricultural business management -- Competencies, not elsewhere included, in the business management of agricultural production operations.
- B. AGRICULTURAL SUPPLIES/SERVICES -- Knowledge of and skills in the production, processing, distribution, and use of consumable supplies used in the production of animals, plants, and their products; and the provision of services associated with the distribution of such supplies. Examples are agricultural chemicals, feeds, seeds, and fertilizers (plant food).
- C. AGRICULTURAL MECHANICS -- Knowledge of the power, machinery, tools, equipment, structures, and conveniences utilized in the production of animals, plants, and their products; and skills in soil and water management for agricultural production.
1. Agricultural power and machinery -- Knowledge of and skills in the selection, operation, servicing, maintenance, repair, and safety of agricultural power (engines, electricity, and hydraulics); and the planning, installation, servicing, assembling, adjusting, operating, repairing, and distribution of agricultural machinery.
 2. Agricultural structures and conveniences -- Knowledge of and skills in the planning, selection of materials for, and construction and maintenance of, agricultural structures and conveniences.
 3. Soil management -- Knowledge of and skills in surveying and classifying soils; determining cropping systems and fertilizer; and conditioning and cultural practices for increasing agricultural production efficiency.
 4. Water management -- Knowledge of and skills in surveying, planning, laying out, constructing, using, and maintaining irrigation, drainage, water conservation, runoff, and erosion control systems; and maintaining proper soil-water-plant relationships.
 5. Agricultural tools and equipment -- Knowledge of and skills in

planning, fabricating, selecting, using, maintaining, and distributing agricultural hand and power tools and equipment; and planning and establishing home farm shops.

6. Agricultural electrification -- Skills in making effective use of electricity and electrical equipment in agricultural production operations.
7. Other agricultural mechanics -- Competencies, not elsewhere included, in the mechanical aspects of agricultural production.

D. AGRICULTURAL PRODUCTS -- Skills in the inspection, sorting, grading, and storing of, and knowledge of, the nutritive value and other qualities of agricultural products (in their original state of production) and primary byproducts (in the first processed stage), including the processing of agricultural products. Also, skills in the marketing of agricultural products and primary byproducts when combined with other agricultural product competencies, for operations other than agricultural production (compare II.A.4.e. Purchasing and marketing). Included are food products such as meat, milk, cheese, fruit, grain, and oilseeds; and nonfood products such as cotton, tobacco, wool, furs, and wood.

1. Food products and primary byproducts -- Knowledge of and skills in the preparation and processing of food products and primary byproducts for sale and consumption, and knowledge of the nutritive value of such products.
 - a. Food products -- Knowledge of the processes, and science and decisionmaking skills associated with meats, fish, poultry, eggs, milk, fruits, vegetables, cereal grains, oilseeds, mushrooms, nuts, sugar, sap, and other food products.
 - b. Primary food byproducts -- Knowledge of the information, processes, and science and decisionmaking skills associated with the primary byproducts of the food products listed above, such as cream, ice cream, butter, cheese, flour, cottonseed oil, alcohol, and syrup.
2. Nonfood products and primary byproducts -- Knowledge of and skills in the processing, inspection, grading, sorting, and storing of nonfood products and primary byproducts for domestic and industrial uses.
 - a. Nonfood products -- Knowledge of and skills in processing, marketing, and other activities involving nonfood products, such as ginning and baling cotton, grading and storing tobacco, sorting and grading wool, and parallel activities for other nonfood products such as furs, gum, and wood.
 - b. Primary nonfood byproducts -- Knowledge of and skills in processing, marketing, and other activities involving primary nonfood byproducts, such as cotton yarn, wool yarn, processed tobacco, and wood pulp.

3. Other agricultural products -- Competencies, not elsewhere included, associated with agricultural products and primary byproducts.
- E. ORNAMENTAL HORTICULTURE -- Knowledge of and skills in the culture of plants used principally for ornamental and esthetic purposes, including establishing, maintaining, and managing ornamental horticulture enterprises.
1. Arboriculture -- Knowledge of and skills in the culture and maintenance of woody plants used for decoration and shade purposes.
 2. Floriculture -- Knowledge of and skills in field or greenhouse production of flowers and the arrangement of such flowers for ornamental purposes.
 3. Greenhouse operation and management -- Skills in and knowledge of producing plants under glass and in other artificial environments.
 4. Landscaping -- Knowledge of and skills in locating, planting, and maintaining turf, plants, shrubs, trees, or devices for the beautification of home grounds and other areas of human habitation and recreation.
 5. Nursery operation and management -- Knowledge of and skills in the production of turf, plants, shrubs, and trees for purposes of transplanting or propagating them.
 6. Turf management -- Knowledge of and skills in establishing, managing, and maintaining grassed areas for ornamental and recreational purposes.
 7. Other ornamental horticulture -- Competencies, not elsewhere included, associated with ornamental horticulture production, processing, marketing, and services.
- F. RENEWABLE NATURAL RESOURCES -- Skills in and knowledge of the conservation, propagation, improvement, and utilization of renewable natural resources such as air, forests, soil, water, fish, plants, and wildlife, for economic and recreational purposes.
1. Forests -- Skills in and knowledge of the conservation, propagation, improvement, and utilization of forests for economic and recreational purposes (see also II.G. Forestry).
 2. Recreational use of natural resources -- Skills in and knowledge of the multiple uses of land, water, and other natural resources for recreational activities such as fishing, picnicking, hunting, camping, and nature study.
 3. Soil -- Skills in and knowledge of maintaining soil stability and productivity, including the prevention of erosion, pollution, water logging, exhaustion of plant nutrients, and the accumulation of toxic salts.

4. Wildlife -- Skills in and knowledge of the propagation, preservation, and improvement of wildlife, such as used in the operation of game farms and commercial hunting enterprises and the management of hunting areas (see also II.A.1.a.(2) Other animals).
 5. Water -- Skills in and knowledge of water conservation practices such as the prevention of soil erosion and water pollution; flood control; aquatic weed control; and the development, conservation, and management of water supplies for agricultural, domestic, industrial, and recreational purposes.
 6. Air -- Knowledge of and skills in the control of air pollution, including the effects of agricultural activities on pollution, and the effects of pollution on plants and animals.
 7. Fish -- Skills in and knowledge of the propagation, rearing, stocking, and management of fish in public and private waters, such as used in fish farming and hatchery operations and commercial fishing enterprises (see also II.A.1.a.(1) Animals produced for food and fiber).
 8. Range -- Skills in and knowledge of the preservation and improvement of natural range lands.
 9. Other renewable natural resources -- Competencies, not included elsewhere, associated with the conservation, propagation, improvement, and utilization of renewable natural resources.
- G. FORESTRY -- Skills in and knowledge of the multiple uses of forest lands and resources, including their protection and management for economic and recreational purposes and related services.
1. Forestry production and propagation -- Skills and competencies in the propagation of forest trees, including Christmas trees, and the production of forest products, including initial collective activities such as harvesting trees and transporting logs (see also II.A.2.a.(2) Other plants).
 2. Forest protection -- Knowledge of the behavior of, and skills in the control of, elements harmful to forests and forest resources (see also II.F.1. Forests).
 3. Forest products -- Skills in and knowledge of the processing, selection, grading, and marketing of wood, gum, sap, nuts, and other forest raw materials (see also II.D. Agricultural products).
 4. Primary forest byproducts -- Skills in and knowledge of the processing, marketing, and other functions associated with maple syrup, wood pulp, and other forest byproducts in the first processed stage (see also II.D. Agricultural products).
 5. Recreational use of forest lands -- (See II.F.2. Recreational use of natural resources).

6. Other forestry -- Competencies, not included elsewhere, associated with the multiple uses of forest lands and resources.

H. OTHER AGRIBUSINESS -- Competencies, not included elsewhere, associated with agricultural production, supplies/services, mechanics, and products; ornamental horticulture; renewable natural resources; and forestry.

APPENDIX B

List of Occupations

Section 1. Occupations That Require or Utilize Agribusiness Competencies in Any Industry Where Utilized. 1/

- | | |
|---|---|
| <p>024 <u>Farm management advisors includes:</u></p> <ul style="list-style-type: none"> Agent, n.s.--County agent's office Agent, n.s.--Four-H Club Agricultural agent Agricultural extension agent County demonstrator County extension agent County supervisor--Farmers Home Administration Extension-service supervisor Farm agent Farm consultant Feed advisor <p>025 <u>Foresters and conservationists includes:</u></p> <ul style="list-style-type: none"> Assistant fire warden's Crew leader--Forestry fire protection department Cruiser District conservationist District ranger Estimator Examiner Extension forester Farm planner--Soil Conservation Service Fire-control aide Fire-control officer Fire fighter Fire guard Fire observer Fire patrol Fish conservationist Fish culturist Fish technologist Foreman--Forest Service Forest aide Forest ecologist Forest examiner Forest ranger Forest supervisor Forester Forestry consultant Game technician Grazier Grazing aide Grazing examiner Insect-control aide Inspector: <ul style="list-style-type: none"> Land Tree Land examiner Lookout Manager: <ul style="list-style-type: none"> Forest | <p>025 <u>Foresters and conservationists--Continued</u></p> <ul style="list-style-type: none"> Range Refuge Mosquito-control aide Park ranger Patrolman Plant-control aide--Department of Agriculture Range aide Range conservationist Range examiner Ranger--Excluding State police Scout Smoke jumper Soil conservationist Soil surveyor Superintendent Surveyor Timber cruiser Timber estimator Timber rider Timber surveyor Timberman Type mapper--U.S. Forest Service Vector-control specialist Warden Wood technologist <p>042 <u>Agricultural scientists includes:</u></p> <ul style="list-style-type: none"> Agricultural consultant--Farmers Cooperative Association Agricultural-research man Agricultural scientist Agricultural specialist Agricultural-research director Agriculturist Agronomist Animal breeder Animal husbandman Animal pathologist Apiculturist Arboriculturist Arborist Corn breeder Cotton breeder Dairy husbandman Dairy technologist Fiber technologist Fishery biologist Floriculturist Forest pathologist Horticulturist Olericulturist Plant breeder Plant pathologist |
|---|---|

1/ From U.S. Bureau of the Census, 1970 Census of Population Classified Index of Industries and Occupations, 251 pp., 1971.

042 Agricultural scientists--Continued

Pomologist
 Poultry husbandman
 Sericulturist
 Silviculturist
 Soil expert
 Soil specialist
 Soil technologist
 Viticulturist
 Wildlife biologist
 Wool technologist

072 Veterinarians includes:

Animal-medicine veterinarian
 Animal surgeon
 Doctor of veterinary medicine
 Epidemiologist, veterinarian
 Horse doctor
 Inspector, veterinary
 Laboratory veterinarian
 Poultry pathologist
 Public-health veterinarian
 Veterinarian
 Veterinary dentist
 Veterinary laboratory diagnostician
 Veterinary microbiologist
 Veterinary pathologist
 Veterinary radiologist
 Veterinary surgeon
 Veterinary toxicologist

150 Agriculture and biological technicians, except health, includes:

Acidity tester
 Artificial inseminator
 Assistant
 Agriculture research laboratory
 Biology laboratory
 Botany laboratory
 Dairy and food laboratory
 Laboratory, dairy and food
 Laboratory, seed analysis
 Research, bacteriology
 Research, biology
 Research, n.s.
 Seed laboratory
 Bacteriology technician
 Biological aide
 Blood tester
 Breeding technician
 Butter-fat tester
 Cattle tester
 Cheese tester
 Dairy tester
 Fruit tester
 Insemination technician
 Laboratory analyst--Sugar
 Laboratory benchman--Sugar
 Laboratory sampler
 Laboratory supervisor
 Laboratory technician
 Laboratory tester
 Laboratory worker
 Moisture tester
 Research and development technician

150 Agriculture and biological technicians, except health--Continued

Research technician
 Seed analyst
 Seed expert
 Seed specialist
 Seed tester
 Soil-conservation aide
 Soil tester
 Technician
 Technician--U.S. Agriculture Experimental Station
 Wildlife technician

480 Farm implement repairmen includes:

Assembler, farm equipment
 Dairy equipment installer
 Farm machinery assembler
 Farm-machinery set-up men
 Irrigation-equipment installer
 Mechanic:
 Combine
 Farm equipment
 Farm machinery
 Implement
 Machinery
 Milking machines
 Pea viner
 Rice dryer
 N.s.-Farm implements

501 Millers; grain, flour, and feed includes:

Bolter
 Buhr-mill operator
 Custom grinder
 Custom miller
 Feed grinder
 Gristmill operator
 Head miller
 Hull grinder
 Meal men
 Meal miller
 Merchant miller
 Mill operator
 Miller
 Millmen
 Rollermen
 Second miller
 Sifter men
 Third miller

631 Meat cutters and butchers, excluding manufacturing includes:

Apprentice, butcher
 Butcher
 Fish cleaner
 Fish cutter
 Fish filleter
 Manager, meat department
 Meat carver
 Meat countermen
 Meat cutter
 Meat specialist
 Meat supervisor

631 Meat cutters and butchers, excluding manufacturing--Continued

Poultry man
Sausage maker

633 Meat cutters and butchers, manufacturing includes:

Animal skinner
Apprentice, butcher
Back puller
Bacon skinner
Bacon slicer
Beef boner
Beef breaker
Beef splitter
Bitter
Boner
Boston cutter
Brainer
Breast puller
Breast splitter
Brisket puller
Bruise trimmer
Bung dropper
Butcher
Caul dresser
Caul puller
Chicken boner
Chuck splitter
Cleaver man
Clod puller
Cold-storage man
Crab backer
Crab butcher
Crop puller
Crotch breaker
Cutter-off
Draw-off man
Eviscerator
Fatter
Fell cutter
Fish-boning-machine feeder
Fish cleaner
Fish cutter
Fish filleter
Fish flipper
Fish header
Gamb cutter
Gizzard peeler
Gizzard puller
Gullet slitter
Gut cleaner
Gut dropper
Gut puller
Gut snatcher
Gutter
Ham boner
Ham facer
Ham sawyer
Ham stripper
Ham trimmer
Head holder
Header
Hide dropper
Hide trimmer

633 Meat cutters and butchers, manufacturing--Continued

Hog cutter
Hog dropper
Jaw skinner
Joint breaker
Kidney puller
Kiney trimmer
Knifemen
Leg breaker
Loin puller
Lung gun operator
Lung puller
Meat boner
Meat cutter
Meat dresser
Meat loiner
Meat slicer
Meat trimmer
Paunch trimmer
Pluck separator
Pluck trimmer
Retrimmer
Rib chopper
Rib puller
Rib sawyer
Ribber
Rip sawyer
Round boner
Rumper
Sausage cutter
Sawyer
Scriber
Shank skinner
Sider
Skewer-up
Skirt trimmer
Skull chopper
Skull splitter
Slaughterer
Slicer
Small-order men
Snout puller
Soup man
Squillgeer
Sweetbread trimmer
Tail puller
Tail ripper
Tail sawyer
Throat cutter
Toe puller
Tongue trimmer
Tonguer
Trimmer, n.s.
Turkey boner
Weasand trimmer

740 Animal caretakers, excluding farm includes:

Alley men, penning cattle
Animal caretaker
Animal-control officer
Animal keeper
Animal warden
Assistant veterinarian's
Caretaker, n.s.--PR Animal shelter

Caretaker, n.s.--Bird haven
 Caretaker, n.s.--Game preserve
 Caretaker, n.s.--Zoo
 Castrator
 Cattle feeder
 Chicken vaccinator
 Debeaker
 Dog barber
 Dog beautician
 Dog boarder
 Dog catcher
 Dog law enforcement officer
 Dog walker
 Dog warden
 Egg setter--Hatchery
 Fish tender--Fish hatchery
 Gamekeeper
 Groom--Private estate
 Hatchery employee
 Helper:
 Chicken hatchery
 Hatchery
 Stable
 Veterinarian's
 Herdsman
 Horse groomer
 Hot walker--Race track
 Incubator-machine operator
 Incubator man
 Incubator operator
 Inoculator--Chicken hatchery
 Keeper--Zoo
 Kennel worker
 Laborer, caring for pets
 Livestock caretaker
 Livestock feeder
 Mammal control agent--U.S. Fish and
 Wildlife Service
 Manager, kennel
 Mice raiser
 Monkey keeper
 Pound keeper
 Poundmaster
 Reptile keeper
 Ringman--Livestock auction
 Stock feeder
 Stockman
 Veterinary attendant
 Zoo caretaker
 Zoo keeper

752 Fishermen and oystermen includes:

Abalone fisherman
 Alligator hunter
 Bait man
 Bayman
 Beachman
 Boat deckhand
 Boat puller
 Bounty trapper
 Chummer
 Clam digger
 Clam dredger
 Clam picker

Clam sorter
 Commercial fisherman
 Crabber
 Deckhand
 Deep-sea diver
 Digger
 Diver
 Drag seiner
 Dredger
 Eeler
 Farmer, fish
 Farmer, frog
 Farmer, oyster
 First mate
 Fish pitcher
 Fish seiner
 Fish trapper
 Fisherman
 Frog catcher
 Frog farmer
 Fur trapper
 Gaffman
 Game trapper
 Gunner
 Harpooner
 Helper, fisherman's
 Hooker
 Hunter
 Kelp cutter
 Kelp gatherer
 Lion hunter
 Lobster fisherman
 Lobster man
 Moss bleacher
 Moss gatherer
 Mussel catcher
 Net mender
 Netter
 Owner--Fishing boat
 Oyster culler
 Oyster cultivator
 Oyster dredger
 Oyster farmer
 Oyster fisherman
 Oyster grower
 Oyster harvester
 Oyster picker
 Oyster planter
 Oyster sorter
 Oyster tonger
 Oysterman
 Pearl fisherman
 Planter
 Predatory hunter
 Purse seiner
 Quahogger
 Roller man
 Scallop dredger
 Scalloper
 Seafood fisherman
 Seaman
 Seaweed harvester
 Shell fisherman
 Shrimp trawler
 Shrimper

752 Fishermen and oystermen--Continued

Sponge fisherman
 Striker
 Tonger
 Trapper
 Trawler
 Troller
 Waterman
 Weir fisherman
 Whale fisherman
 Wire-web man

755 Gardeners and groundskeepers, excluding farm, includes:

Athletic-field custodian
 Caretaker, grounds
 Caretaker, lawn
 Cemetery laborer
 Cemetery warden
 Cemetery worker
 Cleaner, grounds
 Climber--Tree trimming service
 Diagnostician--Tree surgery company
 Eradication man
 Golf-course keeper
 Golf-course laborer
 Grass cutter
 Grave cleaner
 Greenhouse worker--Cemetery
 Greens cutter
 Greens laborer
 Greenskeeper
 Ground crewman--Baseball park
 Grounds caretaker
 Grounds cleaner
 Groundskeeper
 Groundsman
 Hedge trimmer
 Helper:
 Landscaper's
 Sexton's--Cemetery
 Tree surgeon's
 Laborer, ground maintenance
 Laborer, park
 Laborer, Cemetery
 Laborer, golf course
 Laborer, landscape gardening
 Landscape gardener
 Landscaper
 Lawn caretaker
 Lawn mower
 Maintenance groundman--Country club
 Maintenance man, groundskeeping
 Maintenance man, n.s.--Cemetery
 Mower operator
 Park keeper
 Sexton--Cemetery
 Shrub planter
 Sod cutter
 Sod layer
 Sod stripper
 Sodder
 Sprayer--Any park
 Tree expert
 Tree specialist

755 Gardeners and groundskeepers, excluding farm --Continued

Tree surgeon
 Tree trimmer
 Trimmer, n.s.--Landscape service
 Weed burner
 Weed controller
 Weed cutter
 Weed eradicator
 Weed sprayer
 Yard laborer
 Yardman, cutting grass
 Yardman, Private families

801 Farmers (owners and tenants) includes:

Animal breeder
 Animal husbandman
 Apiarist
 Apiculturist
 Arboriculturist
 Bee breeder
 Bee raiser
 Beekeeper
 Beet raiser
 Bird raiser
 Bulb grower
 Canary raiser
 Cattle feeder
 Cattle rancher
 Cattleman
 Coffee farmer
 Contractor
 Corn breeder
 Cotton breeder
 Cotton farmer
 Cropper
 Dairy farmer
 Dairy husbandman
 Digger
 Dog raiser
 Egg candler
 Egg grader
 Egg sorter
 Egg tester
 Farm manager
 Farm tenant
 Farm-tractor operator
 Farm worker
 Farmer, diversified
 Farmer, dryland
 Florist
 Flower gardener
 Flower planter
 Fox raiser
 Fruit farmer
 Fruit rancher
 Greenhouse florist
 Herb grower
 Hog raiser
 Horse breeder
 Horticulturist
 Landlord
 Mink rancher
 Muck farmer
 Mushroom grower

801 Farmers (owners and tenants)--Continued

Nurseryman
 Orchardist
 Orchid grower
 Owner
 Parakeet raiser
 Pigeon fancier
 Planter
 Poultry farmer
 Poultry husbandman
 Poultry raiser
 Poultryman
 Propagator
 Rabbit fancier
 Rancher
 Rat culturist
 Rat farmer
 Renter
 Rose grower
 Seed grower
 Share cropper
 Sheep herder
 Sheepman
 Stallion keeper
 Stock raiser
 Stockman
 Sugar-cane planter
 Tenant
 Tobacco grower
 Tractor driver
 Tree trimmer
 Truck farmer
 Truck gardener
 Vineyardist
 Viticulturist

802 Farm managers includes:

Farm manager
 Greenhouse superintendent
 Manager:
 Farm
 Field
 Herd
 Pineapple plantation
 Sugar plantation
 Superintendent

821 Farm foremen includes:

Barn boss
 Cane-flume-chute-crew chief
 Cane-flume-feeder-crew chief
 Corral boss
 Cranberry bog foreman
 Farm boss
 Farm foreman
 Farm supervisor
 Field supervisor
 Foreman
 Gang foreman
 Harvest-crew foreman
 Haul-cane-crew chief
 Labor foreman
 Portable-track-crew chief
 Ranch foreman
 Ranch supervisor

821 Farm foremen--Continued

Row boss
 Small-gang-crew chief
 Supervisor

822 Farm laborers, wage workers, includes:

Animal caretaker
 Apple picker
 Apple thinner
 Asparagus cutter
 Assistant:
 Greenhouse
 Nurseryman's
 Axman
 Bag washer
 Bait digger
 Baler
 Baller
 Barn worker
 Barnman
 Bean picker
 Bee man
 Bee tender
 Beekeeper
 Beet topper
 Beet worker
 Berry picker
 Berry planter
 Binder operator
 Bog worker
 Bottler
 Bronc breaker
 Brush cutter
 Buccaro
 Budder
 Bulb grader
 Bulb planter
 Bulb weeder
 Bundler
 Camp tender
 Cane burner
 Cane cutter
 Cane-flume chute man
 Cane-flume-feeding-machine operator
 Cane-flume watchman
 Cane loader
 Cane packer
 Cane piler
 Cane pusher
 Cane stripper
 Carbider
 Caretaker
 Carrot harvester
 Cattle dipper
 Cattle driver
 Cattle feeder
 Cattle sprayer
 Celery cutter
 Celery stripper
 Chicken catcher
 Chicken dresser
 Chicken handler
 Chicken man
 Chicken picker
 Chicken raiser

Chicken sexer
 Chicken tender
 Chopper
 Chopper operator
 Chore man
 Citrus-fruit packer
 Citrus picker
 Combine operator
 Corn cutter
 Corn detasseler
 Corn picker
 Corn sheller
 Corn shredder
 Corn shucker
 Cotton baler
 Cotton chopper
 Cotton picker
 Cotton-picker operator
 Cotton stomper
 Cotton stripper
 Cow puncher
 Cow rider
 Cow tender
 Cow washer
 Cowboy
 Crew leader
 Crop picker
 Culler
 Cultivator
 Custom work
 Cutter
 Dairy hand
 Dairy worker
 Dairyman
 Detasseler
 Digger
 Ditch cleaner
 Ditch digger
 Ditch tender
 Ditcher
 Dude wrangler
 Egg candler
 Egg grader
 Egg sorter
 Egg tester
 Eradication man
 Farm
 Farm-equipment operator
 Farm hand
 Farm laborer
 Farm-tractor operator
 Farm worker
 Farming
 Feed grinder
 Fence builder
 Fence erector
 Fence installer
 Fence-post driver
 Fence rider
 Field aide
 Field broomer
 Field hand
 Field handyman
 Field worker
 Firebreak cutter

Flagman
 Florist
 Flower planter
 Flower stripper
 Fruit cutter
 Fruit grader
 Fruit harvester
 Fruit loader
 Fruit packer
 Fruit picker
 Fruit sorter
 Fruit sprayer
 Fumigator
 Gardener
 Grafter
 Grain-combine driver
 Grain thresher
 Grape cutter
 Grape picker
 Greenhouse laborer
 Greenhouse worker
 Groom
 Ground crewman
 Groundman
 Grove worker
 Grubber
 Gun fertilizer
 Hammer-mill operator
 Handyman, n.s.
 Harvester
 Haul-cane brakeman
 Hay baler
 Hay buckler
 Hay chopper
 Hay-rake operator
 Hay stacker
 Helper:
 Crop duster's
 Farm
 Field-cane scaler's
 Florist's
 Greenhouse
 Nursery
 Ranch
 Stable
 Tractor operator's
 Herb digger
 Herder
 Herdsman
 Hired hand
 Hired help
 Hired man
 Hoer
 Honey extractor
 Hop picker
 Hop trainer
 Hop worker
 Horse breaker
 Horse groomer
 Hose sprayer
 Hostler
 Irrigation-flume layer
 Irrigation laborer
 Irrigator
 Knapsack sprayer

822 Farm laborers, wage workers--Continued

Laborer, n.s.
 Land clearer
 Lead rider
 Lemon picker
 Lettuce cutter
 Line rider
 Livestock caretaker
 Livestock handler
 Migratory farm hand
 Milk bottler
 Milker
 Milkman
 Mule driver
 Mushroom cultivator
 Mushroom cutter
 Mushroom picker
 Mustanger
 Nursery laborer
 Nurseryman
 Nut picker
 Nut sheller
 Olive knocker
 Olive picker
 Onion topper
 Orange picker
 Orchard hand
 Orchard sprayer
 Orchid grower
 Pack-mule-man
 Peanut picker
 Peanut shaker
 Pear picker
 Pecan gatherer
 Pepper picker
 Pest locator
 Picker
 Picker-machine operator
 Plant puller
 Plant sprayer
 Planter
 Planting-machine crewman
 Planting-material carrier
 Planting-material remover
 Planting-material unloader
 Plowman
 Pole setter
 Portable-track line marker
 Portable trackman
 Potato buckler
 Potato grader
 Potato picker
 Potter
 Poultry clearer
 Poultry culler
 Poultry dresser
 Poultry picker
 Poultry pinner
 Poultryman
 Propagator
 Pruner
 Raking-machine operator
 Ranch hand
 Range rider
 Rat poisoner
 Rat trapper

822 Farm laborers, wage workers--Continued

Replanter
 Rice-field worker
 Rider
 Roguer
 Sander
 Seed cutter
 Seed packer
 Setting-out plants
 Shallot cleaner
 Sheep herder
 Sheep shearer
 Shepherd
 Shrub planter
 Silo filler
 Smudge-pot operator
 Spooner
 Spray mixer
 Sprayer
 Stableman
 Stock driver
 Stock feeder
 Straw baler
 Tassel clipper
 Teamster
 Thresherman
 Tile ditcher
 Tobacco cutter
 Tobacco grader
 Tobacco prizer
 Tobacco sizer
 Tobacco sorter
 Tobacco stemmer
 Tobacco stripper
 Tractor driver
 Transplanter
 Tree trimmer
 Tree wrapper
 Turkey picker
 Turkey pinner
 Vaquero
 Vegetable grader
 Vegetable tier
 Vineyard tender
 Wage hand
 Weed burner
 Weed controller
 Weed cutter
 Weed eradicator
 Weed sprayer
 Weeder
 Wood cutter
 Worker
 Wrangler
 Yam curer

823 Farm laborers, unpaid family, includes:

Animal caretaker
 Assistant, greenhouse
 Bean picker
 Beet topper
 Brush cutter
 Cattle driver
 Cattle feeder
 Celery cutter

823 Farm laborers, unpaid family--Continued

Celery stripper
 Chopper
 Chopper operator
 Chore boy
 Citrus picker
 Combine driver
 Combine operator
 Corn cutter
 Corn husker
 Corn picker
 Corn sheller
 Corn shredder
 Cotton chopper
 Cotton picker
 Cotton-picker operator
 Cotton puller
 Cow puncher
 Cow rider
 Cow tender
 Cow washer
 Cowboy
 Crop picker
 Culler
 Dairy hand
 Dairy worker
 Dairyman
 Egg candler
 Egg grader
 Egg sorter
 Egg tester
 Farm
 Farm-equipment operator
 Farm hand
 Farm laborer
 Farm-tractor operator
 Farm worker
 Farming
 Feed grinder
 Fence rider
 Field worker
 Florist
 Fruit cutter
 Fruit grader
 Fruit harvester
 Fruit loader
 Fruit packer
 Fruit picker
 Fruit sorter
 Fruit sprayer
 Gardener
 Grafter
 Grain-combine driver
 Grain thresher
 Greenhouse worker
 Hand, n.s.
 Hay baler
 Helper:
 Farm
 Greenhouse
 Ranch
 Herder
 Herdsman
 Horse groomer
 Laborer, n.s.
 Laborer, greenhouse

823 Farm laborers, unpaid family--Continued

Lemon picker
 Livestock caretaker
 Livestock handler
 Milker
 Mushroom cutter
 Mustanger
 Nursery laborer
 Orchid grower
 Peanut shaker
 Pecan gatherer
 Pepper picker
 Picker
 Planter
 Plowman
 Potato grader
 Poultry culler
 Poultryman
 Ranch hand
 Range rider
 Sheep herder
 Sheep shearer
 Shrub planter
 Silo filler
 Smudge-pot operator
 Smudger
 Sprayer
 Stableman
 Stock driver
 Stock feeder
 Straw baler
 Teamster
 Thresher
 Thresherman
 Tobacco cutter
 Tobacco grader
 Tobacco prizer
 Tobacco sizer
 Tobacco sorter
 Tobacco stemmer
 Tobacco stripper
 Tractor driver
 Tree trimmer
 Tree wrapper
 Turkey picker
 Vineyard tender
 Wood cutter
 Worker

824 Farm service laborers, self employed, includes:

Baler
 Butcher
 Caponizer
 Cattle dehorner
 Chicken sexer
 Combine driver
 Combine operator
 Contract farm work
 Contractor
 Corn picker
 Corn sheller
 Corn shredder
 Cotton-seed culler
 Country butcher

824 Farm service laborers, self employed--
Continued

Culler
Custom Butcher
Custom combiner
Custom grinder
Custom sheller
Custom work
Farm-equipment operator
Farm-tractor operator
Feed grinder
Fumigator
Grain-combine driver
Grain thresher
Grape pruner
Hammer-mill operator
Harvester operator
Hay baler
Lime spreader
Miller
Nut picker
Portable-feed-mill operator
Poultry culler
Poultry sexer
Power-wood sawyer
Sheep shearer
Silo filler
Straw baler
Thresherman
Tractor driver
Wood sawyer

Occupations Classified in Sections 2 and 3

In Section 2, there are 54 separate three-digit occupational classifications. All workers in these occupations require or utilize agribusiness competencies in selected industries. In Section 3, there are 67 three-digit occupational classifications in which some, but not all, workers require agribusiness competencies.

The four-digit occupations that require agribusiness competency are shown for each three-digit occupation. In addition, those selected industries in which the four-digit occupations occur are listed.

001 Accountants

Accountant
Auditor
Cost analyst
Income tax advisor
Financial accountant
Cost estimator

Industries

Section 2

608 Hardware and farm implement stores

Section 3

708 Credit agencies
738 Business management
739 Computer program services
889 Accounting, auditing, and bookkeeping services

002 Architects

Architectural engineer
Landscape architect

Industries

Section 2

019 Horticultural services
027 Forestry

Section 3

888 Engineering and architectural service
917 Federal public administration
927 State public administration

005 Computer specialist n.e.c.

Computer scientist
Methods analyst
Software specialist

Industries

Section 3

729 Commercial research, development and testing laboratories

011 Civil engineer

Flood control
Forestry
Irrigation
Reclamation

011 Civil engineer--Continued

Water supply

Industries

Section 2

027 Forestry

Section 3

068 General contractors excluding building

479 Other and not specified utilities

012 Electrical and electronic engineers

Design engineer

Rural electrification

Systems engineer

Power generation

Technical supervisor

Industries

Section 2

178 Farm machinery and equipment manufacturing

013 Industrial engineer

Efficiency expert

Quality control

Waste elimination

Industries

Section 2

268 Meat products manufacturing

269 Dairy products manufacturing; canning and preserving fruits, vegetables

279 Grain-mill products manufacturing

289 Beverage industries manufacturing

297 Miscellaneous food preparation manufacturing

Section 3

197 Machinery, excluding electrical, n.e.c. manufacturing

014 Mechanical engineers

Engine designer

Machine design

Mechanical researcher

Refrigeration systems engineer

Industries

Section 2

178 Farm machinery and equipment manufacturing

Section 3

197 Machinery, excluding electrical, n.e.c. manufacturing

022 Sales engineers

Engineers, sales

Industries

Section 2

178 Farm machinery and equipment manufacturing

Section 3

197 Machinery, excluding electrical, n.e.c. manufacturing

023 Engineers, n.e.c.

Agricultural engineer
Consulting engineer
Product marketing engineer
Testing engineer
Environmental
Industries

Section 2

178 Farm machinery and equipment manufacturing

Section 3

027 Forestry
067 General building contractors
068 General contractors, excluding building
158 Fabricated structural metal products manufacturing
197 Machinery, excluding electrical, n.e.c. manufacturing
467 Electric light and power
858 Colleges and universities
917 Federal public administration
927 State public administration

036 Statisticians

Statistical engineer
Mathematical statistician
Statistical analyst
Survey statistician
Industries

Section 3

729 Commercial research, development and testing labs
748 Business services, n.e.c.
858 Colleges and universities
897 Miscellaneous professional services
917 Federal public administration

043 Atmospheric and space scientists

Climatologist
Cloud physicist
Weather forecaster
Hydrometeorologist
Marine meteorologist
Industries

Section 3

917 Federal public administration
927 State public administration

044 Biological scientists

Animal anatomist
Animal physiologist
Aquatic biologist
Bacteriologist
Botanist
Dairy bacteriologist
Ecologist
Entomologist

044 Biological scientists--Continued

Epidemiologist, excluding veterinarian

Geneticist

Limnologist

Nematologist

Parasitologist

Plant anatomist

Range ecologist

Toxicologist

Zoologist

Industries

Section 2

017 Agricultural production

018 Agricultural services

027 Forestry

028 Fisheries

Section 3

347 Industrial chemicals

357 Drugs and medicines, manufacturing

729 Commerical research, development and testing labs

858 Colleges and universities

869 Museums, art galleries and zoos

897 Miscellaneous professional and related services

917 Federal public administration

927 State public administration

045 Chemists

Agricultural chemist

Cereal chemist

Biological chemist

Dairy chemist

Food analyst

Food scientist

Food technologist

Juice standardizer

Nutritional chemist

Pesticide chemist

Soil chemist

Spectroscopist

Textile chemist

Textile technologist

Industries

Section 2

017 Agricultural production

268 Meat products manufacturing

278 Canning and preserving fruits, vegetables manufacturing

279 Grain-mill products, manufacturing

289 Beverage industries manufacturing

297 Miscellaneous food preparation manufacturing

299 Tobacco manufacturing

367 Agricultural chemicals

Section 3

049 Crude petroleum and natural gas extraction

045 Chemists--Continued

- 269 Dairy products manufacturing
- 317 Yarn, thread and fabric mills
- 328 Pulp, paper and paper board mills, manufacturing
- 347 Industrial chemicals, manufacturing
- 368 Miscellaneous chemicals, manufacturing
- 508 Drugs, chemicals and allied products, wholesale
- 729 Commerical research, development and testing labs
- 858 Colleges and universities
- 897 Miscellaneous professional and related services
- 927 State public administration

056 Personnel and labor relations workers

- Employment counselor
 - Employment interviewer
 - Interviewer-employment agency, office or service
 - Employment manager
 - Personnel adviser
 - Placement specialist
 - Wage analyst
 - Wage and hour investigator--U.S. Department of Labor
- Industries

Section 2

- 017 Agricultural production
- 019 Horticultural services

Section 3

- 917 Federal public administration
- 927 State public administration

085 Health technologists and technicians n.e.c.

- Animal technician
- Food service technician
- Industrial hygienist
- Veterinary technician
- Water-pollution specialist

Industries

Section 2

- 018 Agricultural services, excluding horticultural

Section 3

- 848 Health services, n.e.c.
- 858 Colleges and universities
- 917 Federal public administration

091 Economists

- Agricultural economists
- Economic-research analyst
- Economist
- Forest economist
- Labor economist
- Market analyst
- Marketing specialist
- Price analyst
- Sales analyst

091 Economists--Continued

Industries

Section 2

- 178 Farm machinery and equipment manufacturing
- 268 Meat products, manufacturing
- 279 Grain-mill products manufacturing
- 299 Tobacco manufactures
- 528 Grocery stores, retail

Section 3

- 338 Newspaper publishing and printing
- 709 Security, commodity brokerage and investment firms
- 738 Business management and consulting services
- 858 Colleges and universities
- 887 Nonprofit membership organizations
- 897 Miscellaneous professional and related services
- 917 Federal public administration
- 927 State public administration

102 Agricultural teachers (College)

Agriculture science

Agronomy

Animal husbandry

Animal nutrition

Apiculture

Arboriculture

Forestry

Floriculture

Horticulture

Pomology

Poultry husbandry

Sericulture

Soil biology

Soil science

Viticulture

Industries

Section 2

- 858 Colleges and universities

104 Biology teachers (College)

Anatomy

Animal physiology

Biological science

Botany

Embryology

Entomology

Genetics

Limnology

Nematology

Plant physiology

Zoology

Industries

Section 3

- 858 Colleges and universities

105 Chemistry teachers (College)

Food technology

Pharmacognosy

Industries

Section 3

858 Colleges and universities

111 Engineering teachers (College)

Agricultural engineering

Petroleum engineering

Mining

Refrigeration engineering

Industries

Section 3

858 Colleges and universities

113 Health specialties teachers (College)

Veterinary medicine

Veterinary science

Industries

Section 3

858 Colleges and universities

116 Economics teachers (College)

Agricultural economics

Marketing

Industries

Section 3

858 Colleges and universities

134 Trade, industrial and technical teachers

Vocational education

Industries

Section 3

858 Colleges and universities

135 Miscellaneous teachers, college and university

Clothing and textiles

Landscape architecture

Industries

Section 3

858 Colleges and universities

141 Adult education teachers

Biology

Meat cutting

Industries

Section 3

857 Elementary and secondary schools

867 Educational services n.e.c.

878 Welfare services

144 Secondary school teachers

Vocational school teacher

Agriculture vocational teachers

Industries

Section 3

857 Elementary and secondary schools

151 Chemical technicians

Fiber analyst

Laboratory cureman

Laboratory technician

Bench chemist

Industries

Section 2

367 Agricultural chemicals manufacturing

Section 3

748 Business services, n.e.c.

152 Draftsmen

Mechanical designer

Mechanical draftsmen

Tool and die designer

Geological draftsmen

Architectural draftsmen

Industries

Section 2

178 Farm machinery and equipment manufacturing

153 Electrical, electronic engineer technicians

Farm-service adviser

Farm-service consultant

Industries

Section 3

467 Electric light and power

163 Airplane pilots

Aerial-crop duster

Aerial sprayer

Crop duster

Pilot-aerial seed sowing

Pilot-aerial seeding trees

Transport pilot

Industries

Section 2

018 Agricultural services, excluding horticultural

Section 3

427 Air transportation

174 Vocational and educational counselors

Curriculum counselor

Extension course counselor

Vocational counselor

Industries

174 Vocational and educational counselors--Continued

Section 3

- 737 Employment and temporary help agencies
- 857 Elementary and secondary schools
- 858 Colleges and universities
- 867 Educational services, n.e.c.
- 878 Welfare services
- 917 Federal public administration
- 927 State public administration
- 937 Local public administration

180 Athletes and kindred

- Horse trainer
- Horseman
- Riding academy worker--teacher

Industries

Section 3

- 809 Miscellaneous entertainment and recreation service

181 Authors

Authors

- Magazine writers
- Scientific writer
- Speech writer
- Story writer
- Television writer

Industries

Section 3

- 338 Newspaper publishing and printing
- 339 Printing, publishing and allied industries excluding newspapers
- 867 Educational services, n.e.c.
- 887 Nonprofit membership organizations

183 Designers

- Body stylist
- Ceramic-mold designer
- Cloth designer
- Fabric designer
- Fur designer
- Textile designer

Industries

Section 2

- 019 Horticultural services
- 178 Farm machinery and equipment manufacturing

Section 3

- 157 Cutlery, hand tools and other hardware
- 197 Machinery, excluding electrical n.e.c. manufacturing
- 259 Miscellaneous manufacturing industries

184 Editors and reporters

- Information specialist
- Manuscript editor
- Market editor

184 Editors and reporters--Continued

Press writer

Industries

Section 3

- 338 Newspaper publishing and printing
- 339 Printing publishing and allied industries excluding, newspapers
- 628 Grocery stores
- 807 Theaters and motion pictures
- 858 Colleges and universities
- 917 Federal public administration
- 927 State public administration

192 Public relations men and publicity writers

Director of public information

Press-relations man

Sales-promotion man

Industries

Section 2

- 017 Agricultural production
- 299 Tobacco manufactures

Section 3

- 609 Department and mail order establishments
- 628 Grocery stores
- 697 Miscellaneous retail stores
- 917 Federal public administration
- 927 State public administration

201 Assessors, controllers, local public administration

Land appraiser

Tax appraiser

Tax assessor

Industries

Section 3

- 937 Local public administration

202 Bank officers and financial managers

Loan adviser

Loan officer

Securities analyst

Industries

Section 3

- 707 Banking
- 708 Credit agencies

203 Buyers and shippers, farm products

Buyer-cream station

Cattle buyer

Cattle dealer

Cattle shipper

Chicken buyer

Cotton agent

Cotton buyer

Crop supervisor

203 Buyers and shippers, farm products--(Continued)

Farm-products shipper

Fruit buyer

Fur buyer

Grain buyer

Hide buyer

Hog buyer

Produce buyer

Seed buyer

Tobacco buyer

Wheat buyer

Wool buyer

Industries

Section 2

268 Meat products manufacturing

269 Dairy products manufacturing

278 Canning and preserving fruits, vegetables manufacturing

279 Grain-mill products manufacturing

418 Warehousing and storage

527 Food and related products, wholesale

528 Farm products--raw materials

205 Buyers, wholesale and retail trade

Buyer-salesmen

Elevator man

Fur buyer

Grain-elevator man

Merchandise buyer

Industries

Section 2

527 Food and related products wholesale

528 Farm products--raw materials, wholesale

628 Grocery stores

629 Dairy products stores

638 Food stores, n.e.c.

689 Retail florists

Section 3

609 Department and mail order establishments

697 Miscellaneous retail stores

210 Credit Men

Accounts supervisor

Credit department manager

Credit office manager

Industries

Section 2

608 Hardware and farm equipment stores, retail

Section 3

707 Banking

708 Credit agencies

748 Business services, n.e.c.

215 Inspectors, excluding construction, public administration

Cattle examiner

215 Inspectors, excluding construction, public administration--Continued

Seed certifier
Cotton classer
Cotton grader
Grain sampler
Cattle inspector
Egg inspector
Fish inspector
Livestock inspector
Meat inspector
Milk inspector
Plant quarantine
Vegetable inspector
Wheat inspector
Marketing specialist USDA
Tobacco grader

Industries

Section 3

917 Federal public administration
927 State public administration
937 Local public administration

220 Office managers, n.e.c.

Chief clerk
Office manager
Branch office manager

Industries

Section 2

019 Horticultural services
527 Food and related products, wholesale
528 Farm products--raw materials

221 Officers, pilots, pursers; ship

Fishing boat captain
Skipper

Industries

Section 2

028 Fisheries

222 Officials and administrators; public administration n.e.c.

Conservation officer
Employment security officer--State Employment Office
Fish and game warden
Fish warden
State-game protector
Wildlife officer
Wildlife protector

Industries

Section 3

917 Federal public administration
927 State public administration
937 Local public administration

223 Officials of lodges, societies and unions

Field organizer--labor union
Field supervisor, cattle breeders association
Labor relations specialist
Business agent:
Farmer's union
Farmers' grange
Growers' marketing advisory service
Agway
National farm employers' council

Industries

Section 3

887 Nonprofit organizations

225 Purchasing agents and buyers, n.e.c.

Food buyer
Log buyer
Pulpwood buyer
Timber buyer
Supply requirements officer

Industries

Section 2

018 Agricultural services
027 Forestry
108 Sawmills, planning mills and millwork
109 Miscellaneous wood products
299 Tobacco manufactures
317 Yarn, thread and fabric mills
318 Miscellaneous textile mill products

Section 3

259 Miscellaneous manufacturing
328 Pulp, paper, and paperboard mills
418 Warehousing and storage
878 Welfare services

231 Sales managers and department heads, retail

Director of sales
Frozen food manager
Produce manager
Dairy department manager

Industries

Section 2

629 Dairy products stores
638 Food stores, n.e.c.
679 Farm and garden supply stores
689 Retail florists

Section 3

607 Lumber and building material, retail
608 Hardware and farm equipment stores
609 Department and mail order establishments
627 Miscellaneous general merchandise stores
628 Grocery stores
697 Miscellaneous retail stores

233 Sales managers, except retail trade

Sales director
Regional sales manager
Product promotion manager
Territory supervisor
Sales supervisor

Industries

Section 2

019 Horticultural services
109 Miscellaneous wood products manufacturing
178 Farm machinery and equipment manufacturing
268 Meat products, manufacturing
269 Dairy products, manufacturing
278 Canning and preserving fruits, vegetables, manufacturing
279 Grain-mill products manufacturing
299 Tobacco manufactures
527 Food and related products, wholesale
528 Farm products--raw materials, wholesale

Section 3

127 Cement, concrete, gypsum, and plaster products manufacturing
157 Cutlery, handtools, and other hardware
259 Miscellaneous manufacturing industries
418 Warehousing and storage
539 Machinery equipment and supplies, wholesale
587 Wholesalers, n.e.c.

235 School administrators, college

Dean
Department head, agricultural college
Extension-work director
Curriculum director

Industries

Section 3

858 Colleges and universities

245 Managers and administrators, n.e.c.

Cattle booker
Cotton broker
Cotton ginner
Dairyman
Farm labor contractor
Farm loan representative
Farm mortgage agent
Farmer
Fish agent
Florist-own
Flour broker
Food broker
Game warden
Grain broker
Hatchery man
Landscape contractor
Logging contractor

245 Managers and administrators, n.e.c.--Continued

Lumber buyer
Marketing manager
Oyster buyers and shippers
Pulpwood dealer
Row boss
Sod contractor
Tractor distributor
Trucking contractor
Woods superintendent
Zoo director

Industries

Section 2

017 Agricultural production
018 Agricultural services
019 Horticultural services
027 Forestry
028 Fisheries
178 Farm machinery and equipment manufacturing
299 Tobacco manufactures
367 Agricultural chemicals
527 Food and related products
528 Farm products--raw materials, wholesale
679 Farm and garden supply stores
689 Retail florists

Section 3

107 Logging
108 Sawmills, planning mills, and mill work
109 Miscellaneous wood products, manufacturing
259 Miscellaneous manufacturing industries
268 Meat products manufacturing
269 Dairy products, manufacturing
278 Canning and preserving fruits, vegetables and sea foods
317 Yarn, thread and fabric mills
318 Miscellaneous textile mill products
328 Pulp, paper and paperboard mills
417 Trucking
418 Warehousing and storage
429 Services incidental to transportation
587 Wholesalers, n.e.c.
607 Lumber and building material, retail
608 Hardware and farm equipment stores
627 Miscellaneous general merchandise stores
628 Grocery stores
629 Dairy products stores, retail
638 Food stores, n.e.c.
708 Credit agencies
709 Security, commodity brokerage and investment firms
718 Real estate, including real estate-insurance-law offices
739 Computer programming services
748 Business services, n.e.c.
759 Miscellaneous repair services
778 Lodging places, excluding hotels and motels

245 Managers and administrators, n.e.c.--Continued

869 Museums, art galleries and zoos

887 Nonprofit membership organizations

260 Advertising agents and salesmen

Advertising representative

Contact man

Idea man

Industries

Section 2

628 Grocery stores

Section 3

587 Wholesalers, n.e.c.

697 Miscellaneous retail stores

261 Auctioneers

Auctioneer

Livestock auctioneer

Tobacco auctioneer

Industries

Section 2

528 Farm products--raw materials, wholesale

Section 3

748 Business services, n.e.c.

262 Demonstrators

Field representative

Meat-products demonstrator

Sales demonstrator

Industries

Section 2

527 Food and related products, wholesale

628 Grocery stores

265 Insurance agents, brokers and underwriters

Broker

Compensation agent

Field representative

Service representative

Bond underwriters

Industries

Section 3

717 Insurance

718 Real estate, including real estate-insurance-law offices

271 Stock and bond salesmen

Broker

Buyer

Financial advisor

Financial consultant

Securities analyst

Securities adviser

Industries

271 Stock and bond salesmen--Continued

Section 3

709 Security, commodity brokerage and investment

281 Sales representatives, manufacturing

Business representative

Factory representative

Field representative

Sales consultant

Industries

Section 2

018 Agricultural services

109 Miscellaneous wood products manufacturing

299 Tobacco manufactures

367 Agricultural chemicals

388 Tanned, curried, and finished leather manufacturing

Section 3

127 Cement, concrete, gypsum and plaster products, manufacturing

157 Cutlery, hand tools and other hardware

259 Miscellaneous manufacturing industries

282 Sales representative, wholesale trade

Consultant

Business representative

Florist

Representative

Sales agent

Service representative

Tobacco drummer

Industries

Section 2

018 Agricultural services

299 Tobacco manufactures

527 Food and related products, wholesale

528 Farm products--raw materials wholesale

367 Agricultural chemicals

388 Tanned, curried, and finished leather manufacturing

283 Sales clerks, retail trade

Clerk, selling

Comparison shopper

Corsage maker

Florist

Garden consultant

Sales supervisor

Industries

Section 2

679 Farm and garden supply stores

689 Retail florists

320 Enumerators and interviewers

Census enumerator

Market research interviewer

320 Enumerators and interviewers--Continued

Survey interviewer

Industries

Section 3

- 738 Business management and consulting services
- 858 Colleges and universities
- 887 Nonprofit membership organizations
- 917 Federal public administration
- 927 State public administration

321 Estimators and investigators, n.e.c.

Loan checker

Farm loan inspector

Land agent

Land classifier--Bureau of Land Management

Claim investigators

Customer's service representative

Industries

Section 3

- 027 Forestry
- 708 Credit agencies
- 917 Federal public administration
- 927 State public administration
- 937 Local public administration

323 Expeditors and production controllers

Beef tagger

Cost expeditor

Material control man

Millwork estimator

Production man

Quality control

Industries

Section 3

- 108 Sawmills, planning mills, and mill work
- 268 Meat products manufacturing
- 269 Dairy products manufacturing
- 278 Canning, preserving fruits, vegetables and sea food
- 279 Grain-mill products manufacturing

326 Insurance adjusters

Claim examiner

Insurance investigator

Claims adjuster

Industries

Section 3

- 717 Insurance

363 Real estate appraiser

Appraiser--Bureau of Land Management

Appraiser--Farm Loan Association

Property evaluator excluding tax appraiser's office

Industries

363 Real estate appraiser--Continued

Section 3

707 Banking

708 Credit agencies

717 Insurance

718 Real estate, including real estate-insurance-law offices

372 Secretaries, n.e.c.

Clerk secretary

Office secretary

Statistical secretary

Industries

Section 3

017 Agricultural production

018 Agricultural services

019 Horticultural services

027 Forestry

028 Fisheries

374 Shipping and receiving clerk

Cargo router

Freight shipper

Fruit receiver

Shipping department supervisor

Fish receiver

Industries

Section 2

018 Agricultural services

392 Weighers

Bean weighers

Cane weigher

Cheese weigher

Gin clerk

Ham clerk

Harvest-field ticket man

Hogshead weigher

Juice scaleman--sugar

Produce weigher

Industries

Section 2

017 Agricultural production

528 Farm products--raw materials, wholesale

394 Miscellaneous clerical workers

A.C.P. clerk, U.S. Department of Agriculture

Acreage reported

Cotton acreage measurer

Farm reporter--A.S.C.M.

Land checker A.S.C.M.

Loaf counter

Tobacco acreage measurer A.S.C.M.

Industries

394 Miscellaneous clerical workers--Continued

Section 2

017 Agricultural production

Section 3

937 Local public administration

403 Blacksmiths

Blacksmith

Owner blacksmith shop

Horseshoer

Toolsmith

Industries

Section 2

759 Miscellaneous repair services

425 Decorators and window dressers

Decorating consultant

Display director

Floral decorator

Floral designer

Flower arranger

Industries

Section 2

689 Retail florists

441 Foremen, n.e.c. 1/

Barn boss

Boom master

Crew leader

Farm boss

Foremen

Head buckler

Head swamper

Textile foreman

Warehouse supervisor

Industries

Section 2

017 Agricultural production

018 Agricultural services

019 Horticultural services

027 Forestry

028 Fisheries

107 Logging

527 Food and related products

528 Farm products--raw materials, wholesale

Section 3

268 Meat products, manufacturing

388 Tanned, curried and finished leather manufacturing

418 Warehousing and storage

429 Services incidental to transportation

1/ Data currently not available on agribusiness project ADP tapes.

441 Foremen, n.e.c.--Continued

- 479 Other and not specified utilities
- 759 Miscellaneous repair services

450 Inspectors, scalers, and graders; log and lumber

- Bark scaler
- Culler
- Log inspector
- Plywood stock grader
- Veneer measurer

Industries

Section 2

- 027 Forestry
- 107 Logging
- 108 Sawmills, planning mills, and mill work
- 109 Miscellaneous wood products, manufacturing

452 Inspectors, n.e.c.

- Cloth examiner
- Coffee sampler
- Cotton classer
- Cotton expert
- Hide grader
- Hops inspector
- Poultry inspector
- Rabies inspector
- Tobacco sampler
- Wool grader

Industries

Section 2

- 017 Agricultural production
- 268 Meat products, manufacturing
- 527 Food and related products, wholesale
- 528 Farm products--raw materials, wholesale

Section 3

- 429 Services incidental to transportation
- 748 Business services n.e.c.
- 848 Health services, n.e.c.

481 Heavy equipment mechanics

- Comb fixer
- Comb maker
- Layout man
- Donkey mechanic
- Tractor mechanic

Industries

Section 2

- 178 Farm machinery and equipment manufacturing
- 608 Hardware and farm equipment stores, retail

Section 3

- 539 Machinery equipment and supplies, wholesale
- 759 Miscellaneous repair services

514 Pattern and model makers

Mock-up assembler
Developer
Layout man
Pattern worker

Industries

Section 2

178 Farm machinery and equipment manufacturing

Section 3

197 Machinery, excluding electrical, n.e.c.

575 Craftsmen and kindred n.e.c.

Assistant brewmaster
Beer maker
Brewer
Coopersmith
Maple-sirup maker
Maple-sugar maker
Master brewer
Wine master
Wine maker

Industries

Section 2

027 Forestry

289 Beverage industries

610 Checkers, examiners, and inspectors, manufacturing

Bad cloth man
Barrel tester
Batch tester
Cigarette catcher
Cloth checker
Egg tester, candler
Flour tester
Fruit checker
Liquor tester
Vegetable inspector
Pulp tester
Yarn examiner

Industries

Section 2

268 Meat products, manufacturing

269 Dairy products manufacturing

278 Canning and preserving fruits, vegetables

279 Grain-mill products manufacturing

328 Pulp, paper, and paperboard mills

388 Tanned, curried, and finished leather manufacturing

Section 3

127 Cement, concrete, gypsum and plaster products

157 Cutlery, handtools, and other hardware, manufacturing

624 Graders and sorters, manufacturing

Bean sorter

624 Graders and sorters, manufacturing--Continued

Bobbin sorter
Cheese packer
Cheese grader
Egg grader
Fruit grader
Hide grader
Oyster grader
Tobacco classer
Wool grader
Wool sorter
Vegetable grader
Industries

Section 2

268 Meat products, manufacturing
269 Dairy products, manufacturing
278 Canning and preserving fruits, vegetables
297 Miscellaneous food preparation and kindred products
299 Tobacco manufactures
317 Yarn, thread, and fabric mills
318 Miscellaneous textile mill products
388 Tanned, curried and finished leather manufacturing

625 Produce graders and packers excluding factory and farm

Banana grader
Belt operator--fruit packing house
Belt operator--vegetable packing house
Celery cutter
Citrus fruit packer
Egg tester, candler, sorter, trayer
Flower grader
Fruit culler
Nut grader
Vegetable specker--potato warehouse
Industries

Section 2

418 Warehousing and storage
527 Food and related products, wholesale
528 Farm products--raw materials, wholesale
587 Wholesalers, n.e.c.
628 Grocery stores
638 Food stores, n.e.c.

662 Sawyers

Bead cutter
Block cutter
Board saw runner
Cross-cut saw operator
Gang saw operator
Timber cutter
Industries

Section 2

107 Logging
108 Sawmills, planning mills, and millwork

690 Machine operatives, miscellaneous

Babbitt spinner
Bark grinder
Bean viner
Cheese processor
Cotton ginner
Cotton presser
Dinkey-press man
Compress engineer
Expeller man cotton gin
Gin operator
Tobacco stemmer
Tobacco stripper
Industries

Section 2

018 Agricultural services, excluding horticultural

694 Miscellaneous operatives

Beef killer
Blowing weasands
Carcass washer
Chicken cleaner
Chicken dresser
Hog killer
Hog cooler
Lard maker, render
Pig sticker
Sheep killer
Turkey picker
Industries

Section 3

268 Meat products, manufacturing

715 Truck drivers

Fertilizing machine operator
Livestock trucker
Goat driver
Feedmobile driver
Industries

Section 2

017 Agricultural production

018 Agricultural services

761 Lumbermen, raftsmen and woodchoppers

Axman
Bark peeler
Brush cutter
Chain-saw operator
Chute builder
Log peeler
Pulpwood cutter
Timber cutter
Woodsman

761 Lumbermen, raftsmen and woodchoppers--Continued

Industries

Section 2

027 Forestry

107 Logging

763 Teamsters

Log hauler

Skidder

Wagon man

Industries

Section 2

107 Logging

108 Sawmills, planning mills and millwork

780 Miscellaneous laborers

Axman

Blister-rust eradicator

Box cutter

Brusher

Cowboy

Copper

Fern cutter

Flower cutter

Greens picker

Hatchery laborer

Ginners helper

Florist's helper

Horse wrangler

Nursery laborer

Sea shell gather

Spanish moss picker

Tree killer

Industries

Section 2

018 Agricultural services

027 Forestry

028 Fisheries

108 Sawmills, planning mills and millwork

689 Retail florists

Section 3

778 Lodging places, excluding hotels and motels

933 Attendants, personal service, n.e.c.

Hunting guides

Fishing guide, fishing camp

Industries

Section 3

778 Lodging places, excluding hotels and motels

809 Miscellaneous entertainment and recreation services

APPENDIX C

List of Selected Industries That Have Occupations That Require or Utilize Agribusiness Competencies

017 Agricultural production includes:

Agricultural Experimental Station
 Agriculture
 Apiary
 Aviary
 Bee raising
 Bird raising
 Broiler plant, poultry raising
 Bulb growing
 Cattle ranch
 Citrus grove
 Coffee plantation
 County jail farm
 Cranberry bog
 Custom farming
 Dog kennels, excluding boarding
 Farm, tung nut
 Farm, n.s.
 Farming corporation
 Farming enterprises
 Field nursery, excluding forest shrubbery
 Florist, greens growing
 Flower bulb raising
 Flower raising
 Fruit:
 Orchard
 Stocks growing
 Fryer plant
 Goat milk production
 Grazing associations
 Greenhouse
 Hothouses
 Hybrid corn growing
 Kennels, excluding boarding
 Lemon grove
 Market gardens
 Mats, pre-seeded
 Mohair production
 Mushroom raising
 Mushroom spawn production
 Nursery stock, excluding retail and wholesale
 Nut stocks, growing
 Orange grove
 Orchard
 Ornamental plant growing
 Pineapple plantation
 Plant nursery
 Plantation
 Ranch
 Rice canal
 Rose growers
 Seed growing
 Shrubbery nursery, excluding forest shrubbery
 Silk worm raising
 Sod farm
 State:
 Agricultural experimental farm
 Game farm
 Sugar plantation

017 Agricultural production--Continued

Tobacco growing and warehousing
 Tree nursery
 Tung nut farm
 Tung oil farm
 United States:
 Agricultural experimental farm
 Agricultural experimental station
 Botanic Garden Nursery
 Experimental farm
 Indian farms
 Vegetable garden
 Vineyard
 Wool production
 Yam growing

018 Agricultural services, except horticultural, includes:

Aerial dusting companies
 Aerial fruit spraying
 Aerial seed sowing
 Aerial spraying
 Agricultural:
 Flying
 Lime hauling and spreading
 Services
 Spraying aerial
 Alfalfa baling
 Animal breeding
 Animal clinic
 Animal hospital
 Animal husbandry services
 Animal showing
 Animal training
 Animal trapping
 Artificial breeding
 Artificial insemination
 Bait digging
 Barberry eradication
 Bean cleaning service
 Beetle control
 Bird haven
 Boarding and training horses
 Boarding stable
 Brucellosis control
 Catching live poultry, contract
 Cattle dehorning
 Cattle feed lot
 Cattle feed yard
 Cattle registration
 Cattle testing service
 Cattle yard
 Cedar eradication, farm
 Chemical soil treatment, contract
 Chicken hatchery
 Citrus grove cultivation, contract
 Compress, cotton
 Contract farm services
 Contract harvesting
 Corn shelling service

018 Agricultural services, except horti-
cultural--Continued

Cotton compress
Cotton delinter
Cotton dusting service
Cotton gin
Cotton ginning and compressing
Cotton ginning and warehousing
Cotton picking
County weed control
Cow testing service
Cricket control
Crop dusting or spraying
Custom farm service
Custom hammer mill
Custom slaughtering for individuals
Custom tillage companies
Deer, game farm
Dehorning cattle
Ditching, farm
Dog and cat hospital
Dog breeding
Dog grooming shops
Dog hospital
Dog kennels, boarding
Drainage, farm
Dusting companies
Earthworm hatcheries
Entomological services, contract
Eradication, weeds
Farm custom work
Farm labor contractors
Farm management service
Feed barn
Feed lot service
Feed mobile
Feed stable
Feed yard
Fish bait digging
Flax decortivating
Flax retting
Fruit:
 Packing and shipping
 Picking
 Precooling, excluding transportation
 Spraying
Fruits and vegetables packaging
Fruits and vegetables, sorting and
 grading, contract
Fur trapping
Game preserve
Game propagation
Game refuge
Game retreat
Game shelter management
Gin, cotton
Ginning moss
Grain cleaning service
Grain threshing service
Grain traimming service, agriculture
Grasshopper control
Harvesting, contract service
Hatchery, poultry
Hay baling service
Hay pressing
Hemp decortivating

018 Agricultural services, except horti-
cultural--Continued

Hop baling
Horses, boarding or training
Hospital, animal
Hunting
Hunting preserve
Hybrid corn cleaning
Kennel club
Kennels, boarding
Labor contracting service, farm
Lemon packing, contract
Lettuce packing, contract
Lettuce shed
Lime hauling and spreading
Livestock auction, excluding wholesale
Livestock fattening stockyards
Livestock feeding companies
Mobile feed mill
Moss ginning
Nut hulling, contract
Nut picking, contract
Nut shelling, contract
Oast kiln, hops
Own account, with occupation:
 Crop duster
 Plowing gardens
 Thresher
 Veterinarian
 Veterinary
Peanut cleaning and grading
Pedigree record service
Pest control, farm
Pet clinic
Pet hospital
Pickery, cotton
Plowing service, contract
Pollen distribution companies
Pollen gathering
Pollen processing
Portable feed mill
Potato curing, contract
Potato kiln
Poultry hatcheries
Poultry house cleaning, contract
Rice drying
Small animal hospital
Spraying service, agricultural
State:
 Game preserve
 Game refuge
 Wildlife refuge
Stock feed lot
Thistle eradication
Thoroughbred cattle registration
Threshing service
Tick eradication
Tobacco grading, contract
Training animals
Training race horses
Trapping animals
United States wildlife refuge
Vegetable packing and shipping, contract
Vegetable picking
Vegetable precooling, excluding
 transportation

018 Agricultural services, except horti-
cultural--Continued

Veterinarians
Veterinary clinic
Veterinary hospital
Veterinary surgeon's office
Weed control
Weed eradication
Wildlife management
Wildlife refuge
Wildlife shelter
Worm gathering
Worm raising, excluding silk worms
Yam curing

019 Horticultural services includes:

Arborist services
Bermuda sprigging service
Cemetery upkeep service
Garden maintenance
Garden planning
Gardening
Highway mowing
Horticultural service
Landscape architects
Landscape companies
Landscape contracting
Landscape gardening
Landscape service
Lawn service
Lawn spraying
Nursery and landscaping
Own account, with occupation:
 Arborist
 Gardener
 Horticulturist
 Landscape architect
 Lawn mower
 Tree surgeon
Private cemetery upkeep, contract
Sod contracting
Sod cutting service
Tree bracing service
Tree expert companies
Tree planting
Tree pruning service
Tree spraying service
Tree surgery
Tree trimming

027 Forestry includes:

Aerial tree seeding
Blister rust control
Cherry gum gathering
Chestnut gum gathering
Christmas tree farm
City:
 Forest fire prevention
 Forester's office
Cruising timber
Distillery, turpentine farm
Eradication, blister rust
Estimating, timber
Evergreen gathering
Farm, tree

027 Forestry--Continued

Farm, turpentine
Fern gathering
Forest cruising service
Forest fire fighting service
Forest fire prevention service
Forest management service
Forest marketing service
Forest nursery
Forest pest control
Forest preserve
Forestry service
Gathering balsam needles
Gathering barks
Gathering ginseng
Gathering gums
Gathering spanish moss
Gathering tanbark
Gathering teaberries
Gathering tree seeds
Ginseng gathering
Gum distillation, gum farm
Gum gathering
Gypsy moth control
Hemlock gum gathering
Leaf mold gathering
Log estimating contractors
Maple sap gathering
Maple sirup farm
Maple sugar farm
Moss gathering, Spanish
Naval stores, any not listed above
Pest control, forest
Pine gum extraction
Pulpwood farm
Reforestation
Rubber, plantation
Sphagnum moss gathering
State:
 Forest Fire Protection Service
 Forest nursery
 Forest pest control
 Forest preserve
 Forest service
 Forestry Service
Teaberries, gathering of
Timber cruising
Timber estimating
Timber stand
Timber valuation service
Tree farm
Tree seed extracting
Tree seed gathering
Tree seed selling
Tung nut gathering
Turpentine farm
Turpentine still, woods
Turpentine stumping
United States:
 Blister rust control
 Dutch elm disease eradication
 Forest service
 Gypsy moth control
 Reforestation

028 Fisheries includes:

Abalone boat
 City, fish hatchery
 Clam digging
 Cod catching
 Commercial, fishing
 Crabbing
 Diving, sponge gathering
 Dredging oysters
 Finfish catching
 Fish farm
 Fish hatchery
 Fish pier
 Fish trawler companies
 Fish weir
 Fisheries
 Fishery services
 Fishing boat, excluding pleasure
 Fishing, commercial
 Fishing fleet
 Fishing preserves
 Frog catching
 Frog farm
 Gathering seaweed
 Gathering sponges
 Gill netting
 Goldfish farms
 Haddock catching
 Hatchery, fish
 Irish moss gathering
 Kelp gathering
 Kelp harvesting
 Live bait companies
 Lobster catching
 Mackerel catching
 Menhaden fishing
 Minnow farms
 Mussel boat
 Own account, with occupation
 Fisherman
 Oyster bed
 Oyster boat
 Oyster dredging
 Oyster farm
 Pearl diving
 Pilchard catching
 Salmon fishing
 Sea food trapping
 Seaweed gathering
 Shellfish catching
 Shrimp catching
 Shrimp trawler
 Sponge gathering
 Sponge house
 Sponge trimming
 State:
 Fish hatchery
 Fishing preserve
 Terrapin catching
 Terrapin trapping
 Trawling
 Trout farm
 Tuna fish catching
 Turtle catching
 Turtle trapping
 Whale fishing

028 Fisheries--Continued

Whale meat production
 Whale oil production

048 Coal mining includes:

Anthracite stripping
 Brown coal stripping
 Coal stripping
 Lignite stripping

049 Crude petroleum and natural gas extractions includes:

Salt water impounding, oil
 Well abandoning
 Well foundation grading, oil or gas

057 Nonmetallic mining and quarrying, except fuel includes:

Peat moss gathering

067 General building contractors includes:

Commercial, building
 Farm building
 Grain elevator
 Portable buildings
 Prefabricated, building
 Silo, farm

068 General contractors, except building (construction) includes:

Brush clearing and cutting
 Canal
 Channel
 Dam
 Dike
 Drainage
 Fence
 Flood control project
 Golf course
 Irrigation dredge
 Irrigation projects
 Land clearing
 Land leveling
 Land reclamation
 Reclamation district
 Silo conservation contractor
 Stumping, land clearing
 Terracing, farm

069 Special trade contractors (construction) includes:

Electrical contracting
 Water well drilling

107 Logging includes:

Bogwood cutting
 Bolt camp, logging
 Bolts, wooden (manufacturing)
 Cross ties, logging
 Crotches, wood (manufacturing)
 Driving timber (manufacturing)
 Excelsior stock (manufacturing)

- 107 Logging--Continued
 Heading bolts, wood (manufacturing)
 Last block (manufacturing)
 Log camp
 Log patrol
 Log salvage, logging
 Log train, logging
 Log woods camp
 Log woods contractor
 Logging
 Logging camp
 Logging contractor
 Lumber camp
 Masonite woodcutting
 Mine timbers, hewn (manufacturing)
 Own account, with occupation
 Log cutter
 Tie hacker
 Paperwood cutting
 Peeler logs (manufacturing)
 Piling, wood, untreated
 Poles, cutting
 Poles, hewn
 Posts, wooden, hewn (manufacturing)
 Pulpwood camp
 Pulpwood contractors
 Pulpwood cutting contractors
 Pulpwood harvest
 Pulpwood logging, contract
 Railroad logging camp
 Railroad ties, hewn (manufacturing)
 Redwood burls
 Saw logs (manufacturing)
 Shingle bolts, wood (manufacturing)
 Spars, logging camp (manufacturing)
 Stumping for turpentine (manufacturing)
 Stumps (manufacturing)
 Telephone poles, excluding treated
 (manufacturing)
 Tie camp, logging
 Tie chute logging
 Timber booming
 Timber camp
 Timber, hewn (manufacturing)
 Timber land, logging
 Veneer logs (manufacturing)
 Wheel stock (manufacturing)
 Wood burls
 Wood cutting, logging
 Wood piling untreated (manufacturing)
 Woods, logging
- 108 Sawmills, planing mills, and mill work includes:
 Chicken coops, prefabricated
 Custom sawmill
 Farm buildings, portable, wooden
 Farm buildings, prefabricated, wooden
 Logging camp and sawmill
 Lumber camp and sawmill
 Lumber, kiln drying of
 Lumber mill
 Sawmill
 Silo staves, wood
 Silos, prefabricated wood
- 109 Miscellaneous wood products (manufacturing) includes:
 Apiarists' supplies, wooden
 Beekeeping supplies, wooden
 Chicken shipping crates
 Fencing, wood
 Ladders, wooden
 Pallets, wooden
 Poles, cutting and preserving
 Tobacco hogsheads
- 127 Cement, concrete, gypsum, and plaster products (manufacturing) includes:
 Agricultural lime
 Silo staves, cast stone
 Silos, concrete
 Silos, prefabricated concrete
- 157 Cutlery, hand tools, and other hardware (manufacturing) includes:
 Adzes
 Agricultural hand tools
 Animal traps
 Axes
 Cane knives
 Cane hooks
 Corn knives
 Farm tools, hand
 Fence stretchers
 Fishing knives
 Forks, hand tools
 Garden hand tools
 Harness hardware
 Hay knives
 Hayforks
 Hedge shears, hand
 Hedge trimmers, hand
 Hoes
 Hooks, baling
 Hooks, bush
 Hooks, grass
 Hooks, husking
 Horse bits
 Oyster tongs
 Post hole diggers
 Pruning tools
 Rakes, hand
 Scythes
 Shears, hand
 Shovels, hand
 Sickles, hand
 Spades
- 158 Fabricated structural metal products (manufacturing) includes:
 Farm buildings, prefabricated metal
 Farm storage tank, metal
 Grain bins, sheet metal
 Greenhouses, prefabricated metal
 Silos, metal

168 Miscellaneous fabricated metal products (manufacturing) includes:

Poultry netting
Sprinkler systems, field
Wire fence gates
Wire fencing

178 Farm machinery and equipment (manufacturing) includes:

Agricultural:

Dusters, mechanical
Hand sprayers
Implements
Machinery
Tractors
Animal clippers
Axles, farm tractor
Balers, agricultural
Barn equipment
Barn stanchions
Barn standards
Berry separators, agricultural
Binders, agricultural
Blowers, agricultural
Blowers, forage
Brooders
Cattle feeding equipment
Cattle handling equipment
Cattle oilers
Cattle watering equipment
Chicken brooders
Chicken feeders
Churns, hand
Cleaning machinery, fruit
Cleaning machinery, grain
Cleaning machinery, vegetable
Clippers, animal
Clippers, hedge, electric
Combines
Conveying machinery, agricultural
Conveyors, agricultural
Corn huskers, agricultural
Corn shellers, agricultural
Corn shredders, agricultural
Cotton balers
Cotton pickers
Cotton presses
Cotton strippers
Cream separators, agricultural
Crop duster, mechanical
Cultivators
Cutters, ensilage
Dairy farm equipment
Driers, grain
Driers, hay
Driers, seed
Drills, agricultural
Dusters, mechanical, agricultural
Ensilage blowers
Ensilage cutters
Evaporators, sirup
Fanning mill
Farm elevators
Farm equipment
Farm implements

178 Farm machinery and equipment (manufacturing)
--Continued

Farm machinery
Farm tractors
Feed crushers
Feed grinders
Feed mixers
Feeders, chicken
Fertilizing machinery
Forage blowers
Fruit:
 Cleaning machines, agricultural
 Grading machines, agricultural
 Sorting machines, agricultural
Garden machinery and equipment
Grading machines, agricultural
Grain cleaning machinery, farm
Grain grading machinery, farm
Grain sorting machinery, farm
Grain stackers, agricultural
Grass catchers, lawn mower
Grinders, feed
Hair clippers, animal
Hand sprayers, agricultural
Harvesting machinery
Harvesting machinery parts
Hay balers
Hay loaders
Hay presses
Hay stackers
Haying machines
Hedge clippers, electric
Hog feeders
Hulling machinery, agricultural
Huskers, corn
Land rollers
Lawn mowers
Lawn sweepers
Listers, agricultural
Livestock feeders
Loaders, agricultural
Machinery, farm
Maple sirup evaporators
Milking machines
Mowers, agricultural
Mowers, lawn
Mowers, power
Nut shellers, agricultural machinery
Planting machines
Plows, agricultural
Poultry feeders
Power lawn mowers
Power sheep shears
Presses, agricultural machinery
Presses and driers, agricultural
Pulverizers, agricultural
Rakes, agricultural
Reapers, agricultural machinery
Root cutters
Rotary hoes
Rotary tillers
Roughage mills, agricultural machinery
Seed driers
Seeders, agricultural machinery
Separators, machinery, agricultural
Shears, sheep

178 Farm machinery and equipment (manufacturing)--Continued

Sheep shears
Shucking machinery
Silo fillers
Silo hoists
Soil pulverizers
Sorting machines, agricultural
Sprayers, agricultural
Spraying machines, agricultural
Spreaders, agricultural
Stackers, agricultural
Tedders, hay
Threshing machines
Tobacco curers
Towers, windmill
Tractors, garden
Transmission, farm tractors
Vegetable cleaning machines, agricultural
Vegetable grading machinery, agricultural
Vegetable sorting machines, agricultural
Water troughs
Weeding machines
Wheel tractors, agricultural
Windmill towers
Windmills

197 Machinery, except electrical, n.e.c. includes:

Brewers' machinery
Butter making machinery
Butter working machinery
Cheese making machinery
Cheese presses
Churning machinery, dairy
Cider mills
Cider presses
Clarifiers, sugar
Condensed milk machinery
Conditioners, pulp mill
Cotton ginning machinery
Cream separators, machinery
Crystallizers, sugar machinery
Dairy machinery
Distillery machinery
Drying kilns, lumber
Egg washers
Evaporated milk machinery
Filters, sugar
Flour mill machinery
Grain cleaning machinery, flour
Grain mill machinery
Juice extractors, commercial
Milk processing machinery
Milk testers
Pasteurizing equipment
Pasteurizing machinery
Pulp chippers
Pulp grinding machines
Pulp mill machinery
Pulp presses
Pulp shredders
Pulp washers
Sugar plant machinery

228 Ship and boat building and repairing includes:

Crab boat, building
Crab boat, repairing
Fishing boat, building
Fishing boat, repairing
Lobster boat, building
Lobster boat, repairing
Oyster boat, building
Oyster boat, repairing

238 Cycles and miscellaneous transportation equipment (manufacturing) includes:

Farm trailers
Farm wagons
Horse-drawn vehicles

259 Miscellaneous manufacturing industries includes:

Bee smokers
Beekeeping supplies, excluding wooden
Crab scoops
Creels, fish
Fish hooks
Fish scoops
Fishing tackle
Fur bleaching
Fur blending
Fur currying
Fur dressing
Fur dyeing
Fur scraping
Fur stripping
Fur tanning
Grinding nut shells
Irons, branding
Walnut shell flour

268 Meat products (manufacturing) includes:

Abattoir
Bacon
Beef
Beef stew
Boiled hams
Bologna
Canned chicken
Canned eggs
Canned meat products
Casings for meat products, natural
Casings for sausage, natural
Cattle slaughtering plants
Chicken, canned
Chicken dressing plant
Chicken packing plant
Chickens, frozen
Chickens, killing, dressing and packing
Cooked pigs feet
Corned beef
Cured hides
Cured meat
Dressed meat
Dired beef
Egg albumen
Egg breaking

Egg drying
 Egg freezing
 Egg plant
 Eggs, canned
 Eggs, desiccated
 Eggs, processed
 Frankfurters
 Game dressing and packing
 Game packing plant
 Game, small, frozen
 Geese, dressed and packed
 Hams
 Hares and rabbits, dressing
 Hares, killing
 Hares, packing
 Headcheese
 Hides, cured
 Hides, uncured
 Hog slaughtering plant
 Lamb packing plant
 Lamb stew
 Lard
 Linguica
 Luncheon meat
 Meat, canned
 Meat, cured
 Meat curing
 Meat extracts
 Meat, frozen
 Meat packing house
 Meat processing
 Packers, meat
 Packers, poultry
 Pastrami
 Pickled pigs feet
 Pigs feet, cooked
 Pigs feet, pickled
 Potted chicken
 Potted meats
 Poultry, canned
 Poultry, frozen
 Poultry killing and dressing
 Poultry processing
 Powdered eggs
 Puddings, meat
 Quick freeze meat, poultry or game
 Quick freeze plant
 Roast beef
 Roasted hams
 Sandwich spreads, meat
 Sausage casings, natural
 Sausages
 Scrapple
 Sheep slaughtering plants
 Slaughterhouse
 Smoked meat
 Spreads, sandwich, meat
 Stockyards, meat packing
 Tripe
 Turkey killing, dressing and packing
 Turkey processing plant
 Uncured hides
 Vienna sausage

Acidophilus milk
 Baby formula
 Bakers' cheese
 Butter creamery
 Buttermilk
 Casein, dry
 Casein, wet
 Cheese, cottage
 Cheese
 Cheese, natural
 Cheese pastes
 Cheese, processed
 Cheese, sandwich spreads
 Cheese spreads
 Chocolate milk
 Concentrated milk
 Concentrated whey
 Condensed whey
 Cottage cheese
 Cream, aerated
 Cream, bottled
 Cream, canned
 Cream, dried
 Cream, plastic
 Cream, powdered
 Cream, sour
 Creamery butter
 Creamery, excluding wholesale
 Custard, frozen
 Dairy bottling plant
 Dairy products
 Dried buttermilk
 Dried skim milk
 Dried whey
 Farmers' cheese
 Frozen custard
 Ice cream
 Ice milk
 Kumyss
 Lactose
 Malted milk
 Mellorine
 Milk, bottled
 Milk, canned
 Milk, condensed
 Milk, dried
 Milk, evaporated
 Milk pasteurizing
 Milk, powdered
 Milk products
 Milk route
 Milk, sugar of
 Milk truck
 Milk wagon
 Natural cheese
 Parfait
 Pot cheese
 Powdered cream
 Processed cheese
 Route salesmen for dairies
 Sandwich spreads, cheese
 Sherbet
 Skim milk
 Spreads, sandwich, cheese
 Spumoni

269 Dairy products (manufacturing)--Continued

Whey butter
 Whey
 Whipped cream
 Yoghurt
 Zoolak

278 Canning and preserving fruits, vegetables and seafoods (manufacturing) includes:

Abalone processing
 Apple butter
 Apple evaporating
 Artichokes, bottled
 Baby foods, canned
 Baked beans, canned
 Baked goods, frozen
 Bean sprouts, canned
 Beans, canned
 Bread, canned
 Brining of fruits
 Brining of vegetables
 Broth, canned
 Broth, clam
 Brown bread, canned
 Butters, fruit
 Cake, canned
 Canned bread
 Canned cake
 Canned caviar
 Canned crustacea
 Canned fruit juices
 Canned fruits
 Canned meat pies
 Canned mincemeat
 Canned mollusks
 Canned native foods
 Cannery, fish
 Cannery, fruit or vegetable
 Catsup
 Caviar, canned or preserved
 Cherries, maraschino
 Chicken broth, canned
 Chicken soup
 Chili con carne
 Chile sauce
 Chinese foods, canned
 Chop suey
 Chow mein
 Citrus fruit cannery
 Citrus pulp
 Clam bouillon
 Clam cannery
 Clam chowder
 Clam juice
 Clam products
 Cocktails, nonalcoholic
 Corn, canned
 Corned beef hash
 Crab meat, canned
 Cured fish
 Dates, dried
 Dinners, frozen, packaged
 Dressing, russian
 Dressings, food
 Dried dates

278 Canning and preserving fruits, vegetables and seafoods (manufacturing)--Continued

Fried fish
 Dried fruits
 Dried mackerel
 Dried nuts
 Dried olives
 Dried vegetables
 Enchiladas, canned
 Fig pudding
 Finnan haddie
 Fish, boneless
 Fish cakes
 Fish, canned
 Fish, cured
 Fish, dried
 Fish fillets
 Fish, fresh packages
 Fish, frozen
 Fish packing
 Fish, pickled
 Fish, quick frozen, packaged
 Fish, salted
 Fish, smoked
 Fish sticks
 Food cannery
 Food specialties, canned
 Food specialties, frozen
 Frosted foods
 Frozen dinners, packaged
 Frozen food packing companies
 Frozen foods
 Frozen fruit juices
 Frozen fruits
 Frozen pies
 Frozen prepared foods
 Frozen sea foods
 Frozen specialties
 Frozen vegetables
 Fruit:
 Bottled
 Butter
 Canned
 Cannery
 Dehydrated
 Dried
 Drying
 Jams
 Juice concentrate, frozen
 Juices, bottled
 Juices, canned
 Juices, frozen
 Nectars
 Packers, cannery
 Pastes
 Pickled
 Preserved
 Pulp
 Quick frozen
 Salad, canned
 Sulfured
 Health foods, canned
 Hominy, canned
 Horseradish
 Infant food, canned
 Italian cakes

278 Canning and preserving fruits, vegetables
and seafoods (manufacturing)--Continued

Jellies
Ketchup
Lefsa, frozen
Lemon juice
Maraschino cherries
Marmalade
Mayonnaise
Meals, frozen
Meat pies, canned
Mexican cakes
Minced meat
Mushroom cannery
Mustard, prepared
Nuts, dehydrated
Nuts, dried
Olive curing
Olives, bottled
Olives, brined
Olives, dried
Onions, pickled
Oyster packing
Oysters, canned
Oysters, fresh or frozen
Packers, fruit
Packers, vegetables
Packing house, fruit
Pastes, fruit
Pastes, vegetable
Peach cannery
Pepper canning
Pickle packing
Pickled fish
Pickles
Pickling fruits
Pierogi, frozen
Pies, frozen or canned
Pineapple cannery
Pizza, frozen
Plum pudding
Pork and beans, canned
Potato processing plant
Preserves
Prunes, dried
Puddings, fig
Puddings, plum
Purees, fruit
Purees, vegetable
Quick freeze fruits, vegetables
or seafood
Quick frozen fish or shellfish
Raisins
Ravioli
Relishes
Salad dressing
Sandwich spreads, excluding cheese and meat
Sauces, meat
Sauces, vegetable
Sauerkraut, bulk
Sauerkraut, canned
Sauerkraut
Seafood products
Shellfish, canned
Shellfish, cold pack
Shellfish, quick frozen

278 Canning and preserving fruits, vegetables
and seafoods (manufacturing)--Continued

Shrimp cannery
Shrimp, frozen
Soup powders
Soup, canned
Soups, dehydrated
Soy sauce
Spaghetti and meat balls
Spaghetti, canned
Spanish cakes
Spreads, sandwich, excluding cheese or meat
Stuffed olives
TV dinners
Tamales
Tomato cocktail
Tomato juice
Tomato paste
Tomato sauce
Tortillas, canned
Vegetable cannery
Vegetable juices
Vegetable pastes
Vegetable sauces
Vegetable seasonings
Vegetables, brined
Vegetables, canned
Vegetables, dehydrated
Vegetables, dried
Vegetables, frozen
Vegetables, pickled
Vegetables, sulfured
Vinegar pickles
Vinegar relishes
Waffles, frozen

279 Grain-mill products (manufacturing)
includes:

Alfalfa dehydrating
Alfalfa feed
Alfalfa meal
Animal feeds
Bird food
Biscuit flour
Blended flour
Bone meal, feed
Bran
Breakfast foods
Buckwheat flour
Cake, corn oil
Cake flour
Cake mix
Cat food
Cereal preparations
Cereals
Chicken feed
Chopping mill
Cleaning rice
Coffee substitutes
Corn flakes
Corn flour
Corn grist mill
Corn meal
Corn oil
Corn oil meal

279 Grain-mill products (manufacturing)--
Continued

Corn refining
Corn sirup
Corn starch
Corn sugar
Cracked grain
Cracked wheat
Dehydrated mill
Dextrine
Dextrose
Dog food
Doughnut flour
Farina
Feed, animal
Feed, chicken
Feed, gluten
Feed grinding
Feed
Feed mill
Feed supplements
Fish meal
Flour
Gingerbread mix, prepared
Gluten feed
Graham flour
Grain cereals, cracked
Grain mill
Granular wheat flour
Grist
Grits, corn
Groats
Hominy, excluding canned
Hominy grits
Horse meat
Hydrol
Infants' food, cereal type
Instant starch
Liquid starch
Meal, alfalfa
Meal, gluten
Merchant mill, grain
Milled rice
Mineral, feed
Oatmeal
Oyster shells, ground
Pancake flour
Phosphated flour
Pizza mixes
Potato starch
Prepared flour
Rice bran flour
Rice bran meal
Rice, brown
Rice cleaning and polishing
Rice flour
Rice
Rice meal
Rice starch
Rolled oats
Roller mill, flour
Root starch
Rye flour
Semolina
Shell crushing, feed
Sorghum grain flour

279 Grain-mill products (manufacturing)--
Continued

Starch
Stock food
Tapioca
Wheat flour
Wheat starch

289 Beverage industries includes:

Alcohol, grain, excluding industrial
Alcoholic cordials
Ale
Applejack
Barley malt
Beer brewery
Beer
Beverage sirups
Birch beer
Bitters
Brandy
Brewers' grain
Brewery
Burnt sugar
Champagne
Coffee flavorings
Coffee sirups
Colorings, food
Colors, confectioners'
Corn malt
Crushed fruits
Distillery, liquor
Drink concentrates
Drink powders
Drinks, fresh fruit
Flavoring concentrates
Flavoring extracts
Flavoring pastes
Flavoring powders
Flavoring sirups
Food colorings
Food flavoring, excluding synthetic
Fountain fruits and syrups
Fresh fruit drinks
Gin distillery
Ginger ale
Juices, flavoring extracts
Liquors, distilled
Liquors, malt
Liquors, rectified
Malt extract
Malt
Malt sirup
Malthouse
Malting
Nonalcoholic beverages
Nonalcoholic cordials
Porter
Rectified liquors
Root beer
Rum
Rye malt
Rye whiskey
Sparkling wines, including champagne
Spirits, distilled liquors
Sprouts, made in malthouse

289 Beverage industries--Continued

Still beverages
 Still wine
 Stout
 Vermouth
 Vodka
 Wheat malt
 Whiskey distillery
 Whiskey
 Wine
 Winery

297 Miscellaneous food preparation and kindred products includes:

Beet sugar
 Blackstrap molasses
 Butterine
 Cake, cottonseed
 Cane molasses
 Cane sirup
 Cane sugar
 Cane sugar refinery
 Castor oil
 Chili pepper
 Cider
 Coconut oil
 Coconut refinery
 Coffee roasting
 Compound shortenings
 Cooking oils
 Corn chips
 Cottonseed cake
 Cottonseed delinting
 Cottonseed linters
 Cottonseed meal
 Cottonseed oil
 Fish oil meal
 Fish oil
 Glucose
 Granulated sugar
 Grease rendering
 Grinding sugar
 Honey
 Ice and cold storage
 Ice
 Icings, cake
 Inedible animal fats
 Invert sugar
 Linseed cake
 Linseed meal
 Linseed oil
 Maple sirup
 Maple sugar
 Margarine
 Marine animal oils
 Menhaden
 Molasses
 Neat's foot oil
 Nut butter
 Nut margarine
 Oiticica oil
 Oleomargarine
 Olive oil
 Palm oil
 Pancake sirup

297 Miscellaneous food preparation and kindred products--Continued

Peanut butter
 Peanut cake
 Peanut meal
 Peanut oil
 Pectin
 Pepper, ground
 Pie filling
 Popcorn, not popped
 Pork and beans, excluding canned
 Potato chips
 Potato flour
 Potatoes, instant
 Raw cane sugar
 Refiner's sirup
 Rendering
 Salad oils
 Shortenings
 Sorghum, excluding grain flour
 Soybean cake
 Soybean flour
 Soybean meal
 Soybean oil
 Spices
 Sugar
 Sugar mill
 Sugar refinery
 Sugar sirup
 Tallow
 Tallow rendering
 Tea blending
 Tea packing
 Tung cake
 Tung meal
 Tung oil
 Vegetable oils, excluding medicinal
 Vegetable tallow
 Vinegar
 Whale oil
 Yeast

299 Tobacco manufactures includes:

Chewing tobacco
 Cigars
 Cigarettes
 Redrying, tobacco
 Smoking tobacco
 Snuff
 Tobacco, chewing
 Tobacco

317 Yarn, thread, and fabric mills (manufacturing) includes:

Animal fiber yarn
 Cordage yarn
 Cotton
 Cotton spooling
 Cotton thread
 Cotton winding
 Cotton yarn
 Crochet thread
 Crochet yarn
 Darning thread
 Darning yarn

- 317 Yarn, thread, and fabric mills (manufacturing)--Continued
 Embroidery thread
 Embroidery yarn
 Knitting yarn, wool
 Mohair
 Silk spun yarn
 Silk thread
 Silk, thrown or twisted yarn
 Silk yarn
 Thread
 Thread, wool
 Wool
 Wool yarn
- 318 Miscellaneous textile mill products (manufacturing) includes:
 Binder twine
 Cordage
 Cotton batting
 Cotton wadding
 Cotton waste
 Fish lines
 Fish nets
 Fish seines
 Flax mill
 Flax yarn
 Hemp fiber
 Hemp yarn
 Jute fiber
 Jute yarn
 Kapok filling
 Kapok padding
 Kapok wadding
 Linen thread or yarn
 Ramie yarn
 Sisal fiber pads
 Twine
 Wool combing
 Wool, grease
 Wool scouring
- 328 Pulp, paper, and paperboard mills (manufacturing) includes:
 Fiber pulp, from bagasse
 Fiber pulp, from straw
 Wood fiber pulp
 Wood pulp
- 338 Newspaper publishing and printing includes:
 Newspaper
 Newspaper publishing companies
- 339 Printing, publishing, and allied industries, except newspapers includes:
 Book publishing
 Catalogue
 Magazine publishing
 Pamphlets, publishing
 Periodicals, printing and publishing
 Trade journals, publishing
- 347 Industrial chemicals (manufacturing) includes:
 Food enzymes
 Grain alcohol, industrial
 Phosphoric acid
 Potash
 Urea
- 357 Drugs and medicines (manufacturing) includes:
 Animal remedies
 Antibiotics
 Biological products
 Botanical products, medicinal
 Pollen extracts
 Poultry remedies
 Vaccines
 Vegetable oils, medicinal
 Venoms
 Veterinary pharmaceutical preparations
- 367 Agricultural chemicals (manufacturing) includes:
 Agricultural:
 Disinfectants
 Hormones
 Insecticides
 Pesticides
 Bone meal, fertilizer
 DDT insecticide
 Fertilizer
 Fungicides
 Guano
 Herbicides
 Soil conditioners
- 368 Miscellaneous chemicals (manufacturing) includes:
 Gum, naval stores
 Turpentine
 Wood alcohol
 Wood creosote
 Wood distillation
 Wood pitch
- 388 Tanned, curried, and finished leather (manufacturing) includes:
 Skins
 Tannery
 Tanyard
- 407 Railroads and railway express service includes:
 Logging railroad
- 417 Trucking service includes:
 Catching and hauling live poultry
 Cattle hauling
 Cream hauling contractor
 Farm products hauling
 Farm to market hauling
 Log trucking contractors
 Milk hauling

- 417 Trucking service--Continued
Pulpwood hauling
Refrigerated trucking
Trucking timber
- 418 Warehousing and storage includes:
Bean cleaning and warehousing
Cheese warehouse
Cold storage warehousing
Cotton compress and warehouse
Cotton shed
Cotton yard
Farm products storage
Frozen food lockers
Fruit warehouse
Fur storage for the trade
Grain elevator warehouse
Locker plant
Nuts, processing and storage
Potato cellar
Potato warehouse
Quick freeze plant, locker
Refrigerated warehousing
Rice elevator, storage
Tobacco warehouse, storage
Wool warehousing
- 419 Water transportation includes:
Log boat
Log booming service
Log driving contractors
Log rafting contractors
- 427 Air transportation includes:
Air freight
Air freight handling
- 429 Services incidental to transportation includes:
Fruit:
Car express companies
Growers' express companies
Precooling, transportation
Grain trimmers' association
Grain trimming service, excluding agriculture
Livery stable
Stockyards, excluding meat packing
Vegetable precooling, transportation
- 467 Electric light and power includes:
Rural Electrification Association
Rural power
- 477 Water supply includes:
Water filtration plant
Water supply companies
- 478 Sanitary services includes:
City water pollution control
- 479 Other and not specified utilities includes:
Canal irrigation
City irrigation system
County water district, irrigation
Irrigation companies
Irrigation system
State irrigation service
Water district, irrigation
- 508 Drugs, chemicals, and allied products (wholesale) includes:
Insecticides
Naval stores
- 527 Food and related products (wholesale) includes:
Bakers' and confectioners' food supplies
Bakery products
Beef
Beverages
Butter
Candy
Canned goods
Caviar
Cereals
Cheese
Chewing gum
Chickens
Chocolates
Cider
Citrus packing plant
Coffee
Commission house, produce
Confectionery
Cooking oils
Crackers
Creamery
Dairy products association
Dairy products
Dairy
Egg buying
Egg grading station
Eggs and poultry
Eggs
Extracts
Farm produce brokerage
Fish and sea food
Fish market
Fish
Flour
Food brokers
Food specialties
Food
Fountain fruits and syrups
Fresh foods
Frozen foods
Fruit
Fruit:
Association
Canned
Dried
Growers' association
Growers' exchange
Marketing association

527 Food and related products (wholesale)--
Continued

Packers
Packing companies
Peel
Shippers
Fruits and vegetables
Groceries
Grocery distributor
Honey
Ice cream
Jams
Jellies
Lard
Lemon packing, excluding contract
Lemons
Lettuce packing, excluding contract
Lobster pound
Meat and meat products
Meat, canned
Meat, frozen packaged
Meat products
Meat
Meats, cured or smoked
Meats, fresh
Milk, canned
Milk depot
Milk marketing association
Milk station
Milk
Mineral water
Nut marketing association
Nut packing house
Nuts, processing and wholesaling
Nuts, roasted
Nuts, salted
Oleomargarine
Orange packing house
Oranges
Oysters
Packing shed, fruit
Peanuts
Pickles
Popcorn
Potato broker
Potato house
Potato packing plant
Potatoes
Poultry and egg dealer
Poultry buying
Poultry, live, dressed or frozen
Poultry marketing association
Preserves
Pretzels
Produce brokers
Produce buyers
Produce company
Produce marketing association
Restaurant supplies, food
Rice
Salt
Salted nuts
Sandwiches
Sea food
Shipping, fruits
Soft drinks

527 Food and related products (wholesale)--
Continued

Spices
Sugar
Tea
Tropical foods
Vegetable grading and packing
Vegetable marketing association
Vegetable packers
Vegetable shippers
Vegetables and fruits
Vegetables, canned
Vegetables, fresh
Yeast

528 Farm products--raw materials (wholesale)
includes:

Auctioneer, livestock
Bean elevator
Beans
Cattle dealer
Cattle market
Cattle
Corn buying
Corn
Cotton buying
Cotton
Dealers, raw farm products
Fur pelts
Goats
Grain broker, wholesale
Grain buying
Grain elevator
Grain marketing association
Hair, animal, raw
Hide buying
Hides
Hogs
Hop buying
Horses
Hybrid corn
Livestock auction
Livestock buying
Livestock commission merchants
Livestock dealer
Livestock marketing association
Livestock sales (barn)
Livestock trading companies
Livestock
Loose-leaf tobacco
Mohair, raw
Mules
Seed marketing association
Silk, raw
Skins
Tobacco auction warehouse
Tobacco auctioneering
Tobacco buying
Tobacco exporters, leaf
Tobacco marketing association
Tobacco warehouse
Wheat brokers
Wheat
Wool and mohair
Wool brokers

- 528 Farm products--raw materials (wholesale)--
Continued
Wool, raw
Wool, tops
- 539 Machinery equipment and supplies (wholesale)
includes:
Agricultural machinery
Chain saws
Cream separators
Cultivating machinery and equipment
Dairy farm machinery and equipment
Farm implements
Food products machinery
Garden machinery and equipment
Irrigation equipment
Poultry equipment
Tractors, excluding trucks
Veterinarians' equipment and supplies
Welding machinery and equipment
- 557 Metals and minerals, n.e.c. (wholesale)
includes:
Bale ties, wire
Fence and accessories, wire
- 587 Wholesalers, n.e.c. includes:
Agricultural limestone
Bulbs and seeds
Chicken feed
Christmas trees
Cut flowers
Farm supplies
Feathers
Feed
Fertilizer
Florist
Flowers, artificial
Flowers
Forest products
Grease and tallow
Greases, vegetable
Harness
Hay buying
Linseed oil
Log salvage, excluding logging
Moss
Nursery stock
Orchard supplies
Plants, potted
Pulpwood
Seed house
Seed
Timber products
- 607 Lumber and building material retailing
includes:
Farm lighting system
Fences
Lumber and grain
- 608 Hardware and farm equipment stores (retail)
Includes:
Agricultural implements
- 608 Hardware and farm equipment stores (retail)--
Continued
Cultivating machinery and equipment
Dairy equipment
Farm equipment
Hardware and paint stores
Hardware
Harvesting machinery
Haying machinery
Implements
Lawn mowers
Machinery, farm
Power mowers
Tractors
- 609 Department and mail order establishments
(retail) includes:
Department store, excluding beauty shop
Mail order house
- 627 Miscellaneous general merchandise stores
(retail) includes:
Cotton gin and general store
Country store
Feed mill with general store
General merchandise
General store
Rural store
- 628 Grocery stores (retail) includes:
Commissary, n.s.
Delicatessen
Food market
Groceries
Grocery and meat market
Grocery chain warehouse
- 629 Dairy products stores (retail) includes:
Butter
Cheese
Cheese store
Dairy products store
Ice cream
Ice cream store
Milk store
- 638 Food stores, n.e.c. (retail) includes:
Butcher shop
Chickens
Eggs
Fish
Fruit and produce
Fruits and vegetables
Meat
Nuts, processing and retail sale
Poultry and poultry products
Sea food market
Spice and herb stores
Vegetable market
- 679 Farm and garden supply stores (retail)
includes:
Bulbs and seeds

679 Farm and garden supply stores (retail)

includes:

Chemicals, agricultural
Christmas trees
Corn
Drainage equipment
Farm and garden supply
Farm supplies
Farm tools
Feed
Feed, hay, and grain store
Feed
Feed supply
Fertilizer
Garden supplies
Garden tools
Grain
Harness shop
Hay
Insecticides
Irrigation equipment
Lawn sprinkler sales and installation
Lime, agricultural
Nursery stock
Seed
Sod
Topsoil

689 Retail florists includes:

Cut flowers
Florist
Flower shop
Flowers
Hospital flower shop
Hotel florist shop
Plants, potted

697 Miscellaneous retail stores includes:

Fishermen's equipment
Pet food store
Pet shop
Poultry remedies
Sales barn, auction

707 Banking includes:

Bank and trust companies
Banks, savings
International Monetary Bank
National bank
Private bank

708 Credit agencies includes:

Agent or agency farm loan
Agricultural:
 Credit institution
 Loan companies
Bank for cooperatives
Cooperative credit associations
Export-import bank
Farm Credit Administration
Farm loan association
Farm mortgage bank
Farm mortgage companies
Farmers' Home Administration

708 Credit agencies²⁰ Continued

Livestock loan companies
National Farm Loan Association
Production credit association
Production credit corporation
United States:
 Commodity Credit Corporation
 Crop loans
 Crop production loan office
 Land bank
 Rural Electrification Administration

709 Security, commodity, brokerage, and investment companies includes:

Commodity broker, finance
Commodity clearing house
Commodity contracts broker, dealer, or trader
Commodity exchange
Grain broker, excluding wholesale
Pulpwood brokerage
Wheat brokers, excluding wholesale
Wool brokers, excluding wholesale

717 Insurance includes:

Agricultural insurance companies
Crop insurance companies
Livestock insurance companies
United States Crop Insurance Corporation

718 Real estate, including real estate-insurance-law offices includes:

Appraisers, real estate
Cemetery upkeep by management
Forest property lessors
Land agent's office
Land companies, real estate
Land development
Lessors, agricultural properties
Lessors, forest properties
Memorial park, cemetery
Public appraiser, real estate
Real estate, insurance, loans and law office

729 Commercial research, development, and testing labs includes:

Agricultural research, commercial
Food research service
Food testing service
Laboratory testing service

737 Employment and temporary help agencies includes:

Employment service
Labor pool, employment service
Ship crew employment agency

738 Business management and consulting services includes:

Business economist's office
Business management service
Income tax service

- 738 Business management and consulting services--Continued
 Market forecasting service
 Market reporting agency
 Market research service
 Own account, with occupation:
 Efficiency expert
 Management consultant
 Personnel management
- 739 Computer programing services includes:
 Computer programing service
- 748 Business services, n.e.c. includes:
 Auctioneer's office
 Commodity inspection service
 excluding transportation
 Cotton inspection service
 Credit rating companies
 Flower shows, promotion
 Grain sampling
 Own account with occupation auctioneer
 Produce inspection service
 Produce sampling service
 Produce weighing
 Rental of:
 Garden tools
 Machinery, any not listed above
 Tractors
 Sugar sampling service
- 759 Miscellaneous repair services includes:
 Blacksmith shop
 Horseshoeing
 Own account with occupation blacksmith
 Repairing or repair shop:
 Farm machinery
 Tractor
 Welding
- 777 Hotels and motels includes:
 Cabin camp
 Hotel golf course
 Resort
- 778 Lodging places, except hotels and motels includes:
 Boys' camp
 Dude ranch
 Farm labor camp
 Fishing lodge
 Fishing resort
 Girls' camp
 Hunting camp
 Hunting lodge
 Recreation camp
 Ski resort
 Tourist camp
 Trailer camp
- 798 Miscellaneous personal services includes:
 Aerial map service
- 807 Theaters and motion pictures includes:
 Educational film production
 Radio program producers
 Television film production
- 809 Miscellaneous entertainment and recreation services includes:
 Amusement park
 Athletic field, excluding school
 Circus
 Golf club grounds
 Horse race track
 Race horse, breeding and racing
 Rental of:
 Horses for riding
 Saddle horses
 Riding school
 Riding stable
 Rodeo
 Ski trail
- 838 Hospitals includes:
 Asylum, excluding orphan
 Hospital
 State hospital
 Veterans' hospital
- 839 Convalescent institutions includes:
 Health camp
 Health farm
 Health resort, curative baths
- 848 Health services, n.e.c. includes:
 Biological laboratory, not manufacturing
 State Pollution Commission
 United States Quarantine Station
- 849 Legal services includes:
 Attorney's office
- 857 Elementary and secondary schools includes:
 Private school
 Public high school
 Public junior high school
 Public vocational school
- 858 Colleges and universities includes:
 Agricultural college
 County agent's office
 County agricultural extension office
 Four-H Club
 Institute of technology
 Junior college
 Polytechnic institute
 State:
 Agricultural extension work
 Technical college
 Technological institute
 Veterinary school
 Vocational college

- 867 Educational services, n.e.c. includes:
 Private vocational school
 School, vocational
 Vocational counseling
- 869 Museums, art galleries, and zoos includes:
 Arboretum
 Botanical gardens
 Zoo
 Zoological park
- 877 Religious organizations includes:
 Missionary organization
 Monastery
- 878 Welfare services includes:
 VISTA (Volunteers in Service to America)
- 879 Residential welfare facilities includes:
 Farm for boys
 Veterans' home
- 887 Nonprofit membership organizations includes:
 Nonprofit membership organizations
 Animal humane societies
 Animal shelter
 Cattle Breeders Association
 Chamber of Commerce
 Dairy Breeders Association
 Dairy Herd Improvement Association
 Farm Bureau Federation
 Farmers' Union
 Fisherman's Association
 Grange
 Growers marketing advisory service
 Labor organization
 Trade association
- 888 Engineering and architectural services includes:
 Architectural service
- 889 Accounting, auditing and bookkeeping services includes:
 Accounting service
 Bookkeeping service
 Tax accounting service
- 897 Miscellaneous professional and related services includes:
 Research agency, educational
 Research agency, scientific
 Research foundation
- 917 Federal public administration includes:
 Cemetery, national
 United Nations
 United States:
 Agricultural Extension Service
 Agricultural Research Service
- 917 Federal public administration--Continued
 Agriculture, Department of
 Census, Bureau of the
 Employment Service
 Environmental Protection Agency
 Fish and Wildlife Service
 Food and Drug Administration
 Game Warden
 Health, Education, and Welfare,
 Department of
 House of Representatives
 Income Tax Division
 Indian Affairs, Bureau of
 Interior, Department of the
 International Development, Agency for
 Labor, Department of
 Land Management, Bureau of
 Park Service
 Prisons, Bureau of
 Public Roads, Bureau of
 Senate
 Soil Conservation Service
 Water Pollution Control Administration
- 927 State public administration includes:
 State:
 Agriculture Department
 Department of Labor
 Drainage Board
 Drainage District
 Employment Security Office
 Fish and Game Conservation,
 Department of
 Forestry, Department of
 Game Conservation Commission
 Grain Commission
 House of Representatives
 Income Tax Department
 Levee District
 Livestock Commission
 Parks and Recreation Department
 Penitentiary
 Senate
- 937 Local public administration includes:
 A.S.C. (Agricultural Stabilization
 and Conservation)
 City
 Farm agency
 Meat inspection
 Parks and recreation, Board of
 Shade tree department
 County rural development program

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