

2019 Economic Contributions of **AGRICULTURE, NATURAL RESOURCE, AND FOOD INDUSTRIES** in Florida



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(updated values associated with trends over time)

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EXECUTIVE SUMMARY

Collectively, the agriculture, natural resource, and food industries are significant contributors to the economy of the State of Florida. The economic contributions of these industries were evaluated for calendar year 2019 to update previous reports from the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) Economic Impact Analysis Program and to provide current information for the purpose of informed decision making.

Licensed IMPLAN® regional economic modeling software (IMPLAN Pro) and associated Florida state and county databases (IMPLAN Group LLC) for 2019 were used to estimate the total economic contributions of select industry sectors associated with agricultural production, natural resource extraction and management, and food manufacturing, distribution, and services. Analyses of this type capture not only the direct economic activity within these industries, but the indirect activity supported throughout the regional economy via supply chain relationships and induced activity supported by the re-spending of household income. This analysis includes 120 industry sectors that represent the broad array of activities encompassed by commodity production, manufacturing, distribution, and supporting services associated with agriculture natural resources, and food. Economic contributions are measured in terms of employment, industry output, value added, labor income, other property income, and business taxes.

A glossary of economic terms is provided in this document for reference (Appendix A). The overall economic contributions of Florida agriculture, natural resource, and food industries in 2019 are summarized in Table ES1:

- Direct employment of 1.75 million fulltime and part-time jobs, and total employment contributions (including multiplier effects in other sectors) of 2.50 million jobs, representing 19.8 percent of the state workforce.
- Direct industry output or sales revenues of \$182.62 billion, and total output contributions of \$316.02 billion.
- Foreign and domestic exports of \$41.53 billion that bring new money into the Florida economy.
- Total value added contributions of \$159.74 billion, representing 14.8 percent of Gross State Product (equivalent to Gross Domestic Product).
- Total labor income contributions of \$96.53 billion, which includes employee wages, fringe benefits, and proprietor income.
- Total other property income contributions of \$46.69 billion representing rents, dividends, interest, royalties, etc.
- Total local, state, and federal government tax contributions on production and imports of \$16.52 billion.

Across the various industry groups, total employment and value added contributions were largest for:

- Food and Kindred Products Distribution (1.81 million jobs; \$108.31 billion), which includes food service establishments and retail food stores,
- Agricultural Inputs and Services (231,463 jobs; \$14.61 billion),

- Crop, Livestock, Forestry, and Fisheries Production (172,451 jobs; \$9.67 billion),
- Food and Kindred Product Manufacturing (143,891 jobs; \$14.67 billion),
- Mining (59,598 jobs; \$5.25 billion),
- Forest Products Manufacturing (50,707 jobs; \$5.63 billion), and
- Nature-based Recreation (Golf Courses) (33,280 jobs; \$1.61 billion).

Excluding the Food and Kindred Products Distribution industry group, the total value added contribution was \$51.43 billion (4.7% of Gross State Product), and the employment contribution was 691,389 jobs (5.5% of state workforce).

Economic contribution estimates were also aggregated into seven agricultural commodity groups that have identifiable market-chain linkages between production and processing/manufacturing sectors. Resulting total employment and value added contributions for these commodity groups include:

- Environmental horticulture (190,166 jobs; \$11.27 billion),
- Forestry and forest products manufacturing (57,291 jobs; \$6.10 billion),
- Grain and oilseed farming and processing (51,208 jobs; \$3.26 billion),
- Fruit and vegetable farming and processing (40,583 jobs; \$3.40 billion),
- Livestock farming and animal products manufacturing (23,420 jobs; \$1.96 billion),
- Sugarcane farming and refining (12,743 jobs; \$1.29 billion), and
- Fishing and seafood products (10,007 jobs; \$672 million).

Geographically, the size and composition of agriculture, natural resource, and food industries vary dramatically across the State of Florida due to differences in climate, natural resource endowments, population, and settlement patterns. The largest economic contributions occur in the major metro areas of Miami-Ft. Lauderdale, Orlando, Tampa-St. Petersburg, Sarasota-Bradenton, and Jacksonville, where there are large demands for food and kindred products, and a large workforce available for the industry (Figure ES1).

The seven largest counties in terms of value added and employment contributions were Miami-Dade (\$22.68 billion; 294,791 jobs), Palm Beach (\$18.00 billion; 194,490 jobs), Orange (\$14.34 billion; 221,346 jobs), Broward (\$12.81 billion; 192,746 jobs), Hillsborough (\$11.94 billion; 176,637 jobs), Duval (\$7.69 billion; 120,276 jobs), and Pinellas (\$6.13 billion; 106,334 jobs) (Figure ES2). Additional detailed information on economic contributions by industry group and sector in individual Florida counties is available in Appendix C.

During the ten-year period of 2010 to 2019, direct employment in Florida's agriculture, natural resource, and food industries increased by 35.4 percent, or an average annual rate of 3.9 percent (9-year change), and total value added contributions grew by 35.3 percent, or 3.9 percent annually, in inflation adjusted terms (Figure ES3). Growth in total employment contributions during this period was highest

for Food and Kindred Products Manufacturing (56.9%), Mining (45.8%), Food and Kindred Products Distribution (43.8%), Forest Products Manufacturing (34.2%), Nature-based Recreation (26.7%), Agricultural Inputs and Services (18.9%),

and Crop, Livestock, Forestry, and Fisheries Production (5.9%). Complete information on trends in economic contributions for all industry groups and sectors over the 2010-2019 period are provided in Appendix B.

Table ES1. Summary of economic contributions of agriculture, natural resource, and food industry groups in Florida in 2019.

Industry Group	Direct Employment (Jobs)	Direct Output (M\$)	Domestic and Inter-national Exports (M\$)	Output Contrib. (M\$)	Employment Contrib. (Jobs)	Value Added Contrib. (M\$)	Labor Income Contrib. (M\$)	Other Property Income Contrib. (M\$)	Production and Imports Tax Contrib. (M\$)
Food & Kindred Products Distribution	1,279,638	106,013	8,550	196,462	1,812,847	108,313	65,735	29,468	13,110
Agricultural Inputs & Services	181,810	17,280	6,707	28,979	231,463	14,612	9,791	4,033	788
Crop, Livestock, Forestry & Fisheries Production	140,207	11,276	4,766	16,966	172,451	9,672	5,997	3,259	416
Food & Kindred Products Manufacturing	78,156	29,839	13,257	41,801	143,891	14,667	7,701	5,697	1,269
Mining	21,340	7,116	2,690	14,009	59,598	5,247	2,909	1,875	462
Nature-based Recreation (Golf Courses)	26,131	1,448	614	2,959	33,280	1,605	1,241	247	117
Forest Products Manufacturing	22,937	9,645	4,947	14,843	50,707	5,625	3,157	2,115	353
TOTAL	1,750,219	182,618	41,531	316,020	2,504,237	159,740	96,531	46,694	16,515

Employment represents fulltime and part-time jobs. Monetary values are given in millions of dollars. Total contribution estimates include regional multiplier effects.

Source: IMPLAN® model and state/county data for Florida (IMPLAN® Group LLC) and authors' calculations.

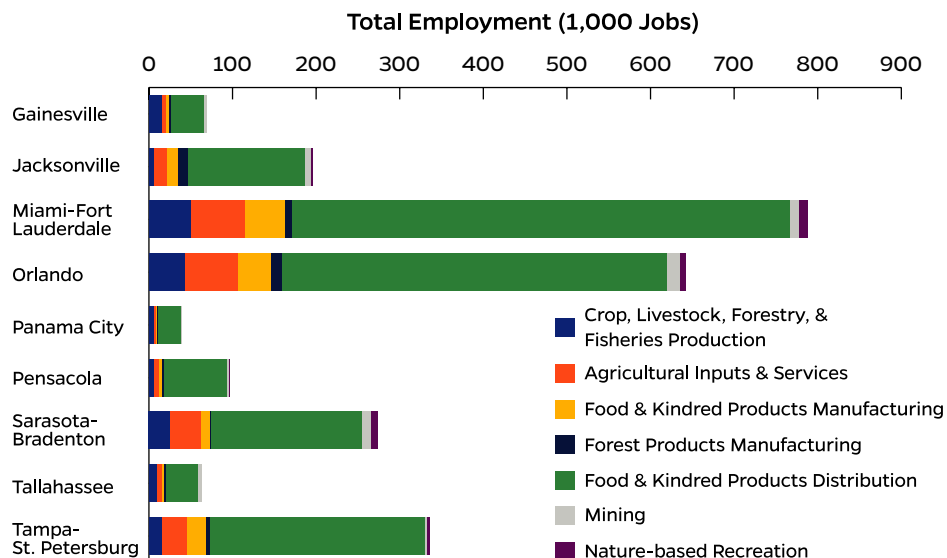


Figure ES1. Total employment contributions of agriculture, natural resource, and food industries in Florida regions in 2019. Estimates include regional multiplier effects.

Source: IMPLAN® data for Florida counties.

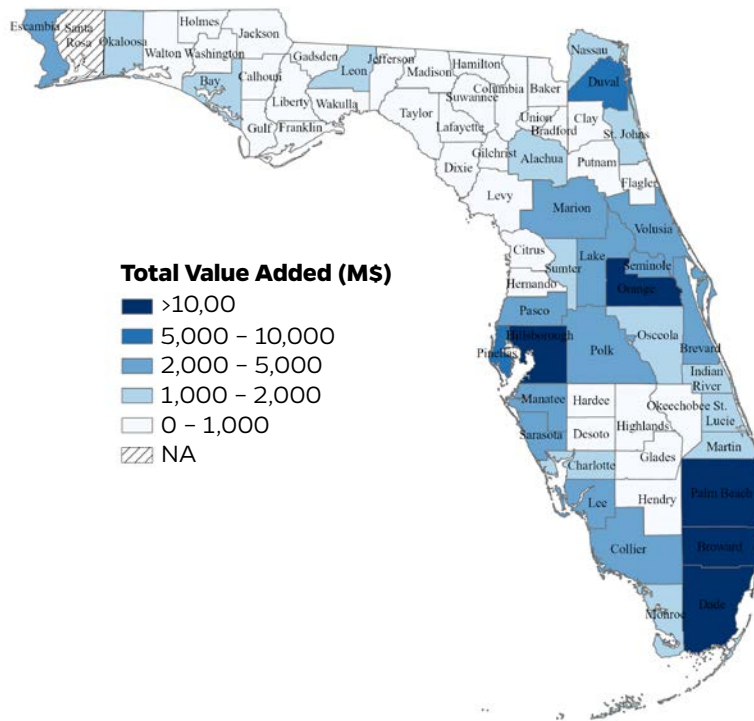


Figure ES2. Map of value added (GSP) contributions by agriculture, natural resource, and food industries in Florida counties in 2019. Values are expressed in millions of dollars and include regional multiplier effects.

Source: IMPLAN® data for Florida counties and ArcGIS software.

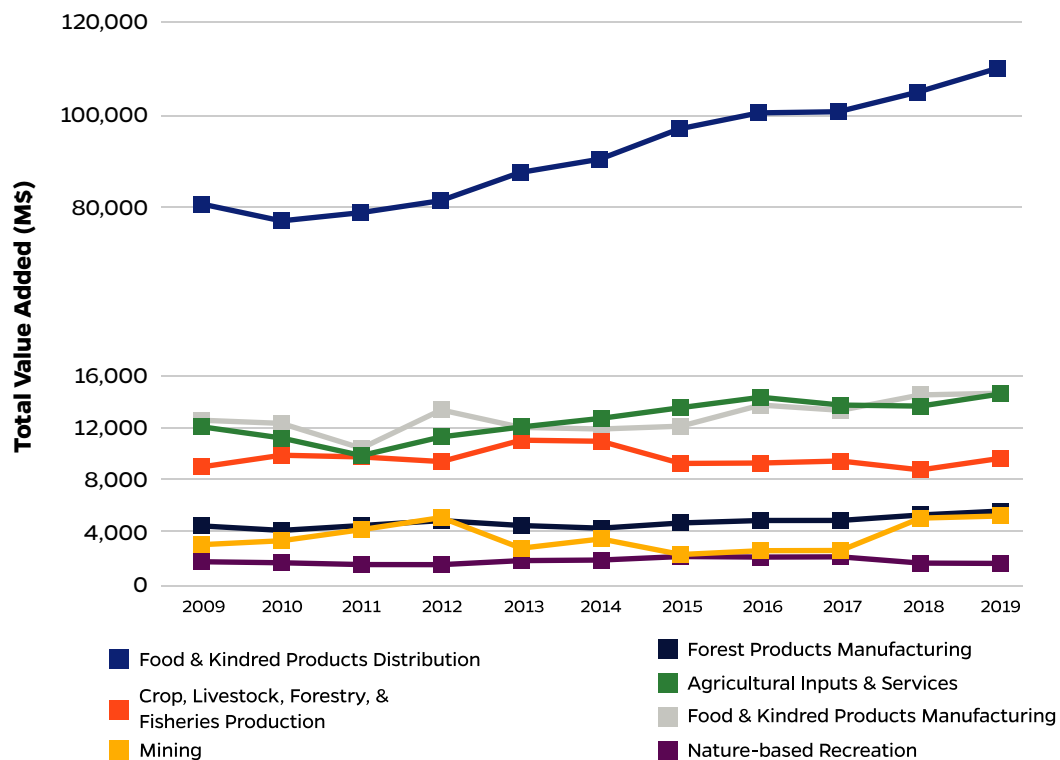


Figure ES3. Trends in total value added (GSP) contributions by agriculture, natural resource, and food industry groups in Florida, 2010-19. Values are expressed in 2019 dollars. Estimates include regional multiplier effects.

Source: IMPLAN® data for Florida.



INTRODUCTION

Agriculture, natural resource, and food industries represent a broad set of economic activities that make significant contributions to Florida's economy through the production of goods and services as well as the support of jobs and income. Florida has approximately 15,200 square miles of croplands, orchards, and grasslands used for agricultural production¹, and 26,600 square miles of forests² that together occupy about 63 percent of the state's land area (USDA-FIA, 2019). The state has a sub-tropical climate that enables production of an immense variety of food, fiber, mineral, and ornamental commodities. The unrefined commodities are converted into finished products by the Food and Kindred Products Manufacturing industries, and finished goods then move through the wholesale and retail distribution chain to final consumers or to other industry sectors as intermediate goods for further value added processing. These industries are also linked to a broad array of allied suppliers that provide production inputs and supporting services. In addition, farmlands, timberlands, and other undeveloped natural lands provide an array of opportunities for nature-based recreation and eco-tourism. Thus, the chain of agricultural and related food industry activities encompasses "farm to table" and beyond. The purpose of this study is to estimate the economic contributions of agricultural, food-related, and other natural

resource-based activities to the State of Florida. Economic contribution analysis assesses the effect of existing activities or industries on the overall economy of a region, such as a state or county. Any activity that generates payments has an effect on other parts of a given economy, and any expenditure by one entity becomes income to another entity. In economic contribution analysis, these secondary effects are measured through economic multipliers for each type of activity (industry sector) obtained from regional economic models. Assessment of the economic contributions of specific industries to the economy of Florida is important to making informed decisions regarding economic and community development, job creation, environmental regulation, labor and human resources, and taxation, among other issues. This report provides estimates of the economic contributions to the State of Florida in 2019 by a set of broadly defined industries comprising agriculture, natural resource, and related food and kindred product manufacturing and distribution activities. This report updates a series of previous studies completed for years 2007 through 2015 (Hodges, Rahmani, and Court, 2017; Hodges, Rahmani, and Stevens 2016, 2015, 2014, 2013, 2012, 2011; Hodges and Rahmani, 2010).

¹https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Florida/st12_1_0007_0008.pdf

²https://public.tableau.com/views/FIA_OneClick_V1_2/StateSelection?%3AshowVizHome=no





METHODS

This analysis employs licensed IMPLAN® software and Florida state/county databases for 2010 to 2019 (IMPLAN Group, LLC 2020). Data are derived from the National Income and Product Accounts for the United States (U.S. Department of Commerce, Bureau of Economic Analysis), the Quarterly Census of Employment and Wages (U.S. Bureau of Labor Statistics), Census of Agriculture (U.S. Department of Agriculture), and numerous other sources. IMPLAN® characterizes 540 industry sectors, of which 120 sectors were identified as related to agriculture, natural resource, and food industries for Basic Commodity Production, Allied Input Supply and Supporting Services, Food and Kindred Products Manufacturing, Forest Products Manufacturing, Food and Kindred Products Distribution, and Nature-based Recreation.

Pest control services, retail lawn and garden centers, and golf courses were disaggregated from their original major industry group designation under the North American Industry Classification System (NAICS) to be included as part of the broadly defined agriculture, natural resource, and food-related industries. The rationale for including processing or manufacturing industries in this analysis is that they share a common dependence upon the agricultural and natural resource base and might not be present at the same scale and scope if not for the existence of basic production activities. Food and Kindred Products Distribution sectors, such as wholesalers, food stores, and restaurants, although not strictly dependent upon Florida's agricultural production and natural resources, were also included in the analysis because they are the endpoint of the supply chain for the delivery of agriculture, natural resource, and food products to final consumers. Economic contribution estimates were also re-grouped for several recognizable commodity groups that have strong linkages between agricultural production and processing/manufacturing or distribution sectors, as reflected in many vertically integrated firms or long-term supply contracts. These commodity groups included environmental horticulture (nursery and greenhouse production, landscape services, and retail garden centers), fishing and seafood products, forestry and forest products manufacturing, fruit and vegetable farming and processing, grain and oilseed farming and processing, livestock farming and animal products manufacturing, and sugarcane farming, refined sugar, and confections.

IMPLAN® enables construction of input-output models and social accounting matrices that represent the structure of a regional economy in terms of transactions among industry sectors, households, and governments. Regional economic models were developed for the State of Florida and for all 67 counties in the state using the IMPLAN® software and Florida state-county data package for 2019. Models were constructed with specifications for the commodity trade flows gravity model representing the share of commodities purchased from local sources, and social-institutional accounts for households treated as endogenous within the models. The state level model was modified within IMPLAN®

for multi-industry economic contribution analysis (Cheney, 2016). Note that this approach differs from previous reports for 2007 through 2015, so results presented here do not match with those previously reported. Also note that the IMPLAN® industry sectoring scheme was revised in 2007 and 2013, so some industries were regrouped to evaluate trends over the entire period.

The IMPLAN® model includes accounts for industrial and commodity production, employment, labor and property income, household and institutional consumption, domestic and international trade (imports, exports), government taxes, transfer payments (such as welfare and retirement), and capital investment. Economic multipliers are generated for each industry to estimate the indirect and induced contributions of activity in the agriculture, natural resource, and food industries (Figure 1; Miller and Blair, 2009). Indirect effects represent the economic activity supported within specific supply chains through the purchase of intermediate inputs from vendor firms outside of the 120 sectors of interest. Induced effects represent the contributions of spending by employee households. The total economic contributions were calculated as the sum of direct, indirect, and induced effects. Results are referred to as “economic contributions,” as opposed to “economic impacts” because they represent the ongoing economic activity of existing industries, rather than a net change in activity resulting from external influences (Watson et al. 2007). Different measures of economic contributions reported here include industry output or revenue (sales), employment (fulltime, part-time, and seasonal positions), value added, labor income, other property income, and government taxes. Value added is a broad measure of net economic activity that is comparable to the Gross Domestic Product (GDP) and represents the sum of labor income, other property income, and taxes on production and imports. The glossary of economic terminology explains these terms in detail. Information on economic contributions was developed for the State of Florida, nine multi-county regions, and 67 individual counties. The multi-county regions encompass one or more core urban areas and adjacent nonmetropolitan counties that are economically linked by employee commuting patterns and media markets, as defined by the U.S. Bureau of Economic Analysis (Johnson and Kort, 2004). It should be noted that some counties in north Florida that are part of economic areas in Georgia were regrouped with Florida regions for this analysis. State level estimates were proportionally allocated to counties based on county-level direct employment, output and value added in each industry sector. County level results were then aggregated to the nine multi-county regions. For some industry activities that represent only a portion of an IMPLAN® industry sector, values were estimated as a share of their parent sector based on employment data from the Quarterly Census of Employment and Wages (U.S. Bureau of Labor Statistics) for 2019: Wholesale food distribution included in sector 400 (Wholesale - Other nondurable goods



merchant wholesalers) was 44.3 percent of the whole sector, Pest control services were 17.0 percent of Services to buildings, Retail lawn-and-garden centers were 7.3 percent of Building materials and garden equipment and supplies, and Golf courses were 43.3 percent of Other amusement and recreation industries. Reported employment figures represent all fulltime, part-time, and temporary or seasonal

jobs, rather than fulltime equivalent employees. All monetary values were expressed in 2019 U.S. dollars using the annual average Gross Domestic Product (GDP) Implicit Price Deflators, which account for the effects of price changes in the measurement of GDP (U.S. Department of Commerce, Bureau of Economic Analysis).

RESULTS

Economic contributions of agriculture, natural resource, and food industries in Florida for 2019 are summarized in Table 1 and Figures 2-4. The industries are categorized in seven major groups: 1) Crop, Livestock, Forestry, and Fisheries Production; 2) Agricultural Inputs and Services; 3) Food and Kindred Products Manufacturing; 4) Forest Products Manufacturing; 5) Food and Kindred Products Distribution; 6) Mining; and 7) Nature-based Recreation. Results are reported for each industry group and the largest individual industry sectors within each group. Direct industry output or sales revenues in 2019 were \$182.62 billion, and output contributions, including regional multiplier effects in other sectors, were estimated at \$316.02 billion. Direct employment was 1.75 million fulltime and part-time jobs, and the total employment contribution was 2.50 million jobs. Direct value added was \$87.85 billion and the total value added contribution to Gross State Product (GSP) was \$159.74 billion. Foreign and domestic exports of goods and services from Florida were \$41.53 billion. Total labor income contributions were \$96.53 billion, representing employee wages, benefits, and business proprietor income. Total other property income contributions, such as rents, interest, royalties, and dividends, were \$46.69 billion. Total local, state, and federal government tax contributions for production and imports were \$16.52 billion (Table 1).

Crop, Livestock, Forestry, and Fisheries Production

includes sectors that produce basic unrefined food and fiber commodities. In 2019, direct output contributions (sales

revenue) of these sectors were \$11.28 billion, exports were \$4.77 billion, and total output contributions were \$16.97 billion (Table 1, Figure 2). Direct employment contributions were 140,207 jobs and total employment contributions were 172,451 jobs (Table 1, Figure 3). Total value added contributions were \$9.67 billion (Table 1, Figure 4), total labor income contributions were \$6.00 billion, total other property-income contributions were \$3.26 billion, and total contributions from taxes on production and imports were \$416 million. Among individual industry sectors in this group, those with the highest total value added contributions were support activities for agriculture and forestry (\$2.56 billion), greenhouse, nursery, and floriculture production (\$1.86 billion), fruit farming (\$1.11 billion, including citrus, blueberries, and tropical fruits) and vegetable and melon farming (\$903 million). A second tier of sectors with large total value added contributions were all other crop farming (\$742 million), sugarcane and sugar beet farming (\$498 million), and commercial fishing (\$413 million). Sectors with the highest total employment contributions were support activities for agriculture and forestry (57,554 jobs), all other crop farming (31,729 jobs), greenhouse, nursery, and floriculture production (25,899 jobs), fruit farming (16,030 jobs), and vegetable and melon farming (11,483 jobs). Other relevant sectors were commercial fishing (6,490 jobs), and sugarcane and sugar beet farming (5,682 jobs). Significant total value added and total employment contributions were also generated by the following sectors: commercial logging (\$342 million; 4,795 jobs), beef cattle ranching and farming (\$298 million; 4,007 jobs), animal production except cattle and poultry (\$268 million; 2,177 jobs), dairy cattle and milk production (\$204 million; 2,012 jobs), forestry, forest products, and timber tract production (\$133 million; 1,790 jobs), commercial hunting and trapping (\$186 million; 969 jobs), and poultry and egg production (\$58 million; 710 jobs).

Agricultural Inputs and Services

include a variety of sectors providing inputs or supporting services for agricultural operations, including landscape management. Sales revenues in 2019 for this group were \$17.28 billion, including domestic and international exports of \$6.71 billion, and total output contributions were \$28.98 billion (Table 1, Figure 2). Direct employment contributions were 181,810 jobs and total employment contributions were 231,463 jobs (Table 1, Figure 3). Total value added contributions were \$14.61 billion (Table 1, Figure 4), total labor income contributions were \$9.79 billion, total other property income contributions were \$4.03 billion, and total contributions from taxes on production and imports were \$788 million. The leading sector in this group was landscape and horticultural services, with total value added contributions of \$8.57 billion and total employment contributions of 154,178 jobs, followed by veterinary services (\$2.16 billion; 30,662 jobs), services to buildings (\$1.71 million; 32,321 jobs), phosphatic fertilizer manufacturing (\$1.32 million; 7,606 jobs), and fertilizer mixing (\$429 million; 2,825 jobs). Other minor sectors in this group included farm machinery and equipment manufacturing, nitrogenous fertilizer manufacturing, and pesticide and other agricultural chemical manufacturing.

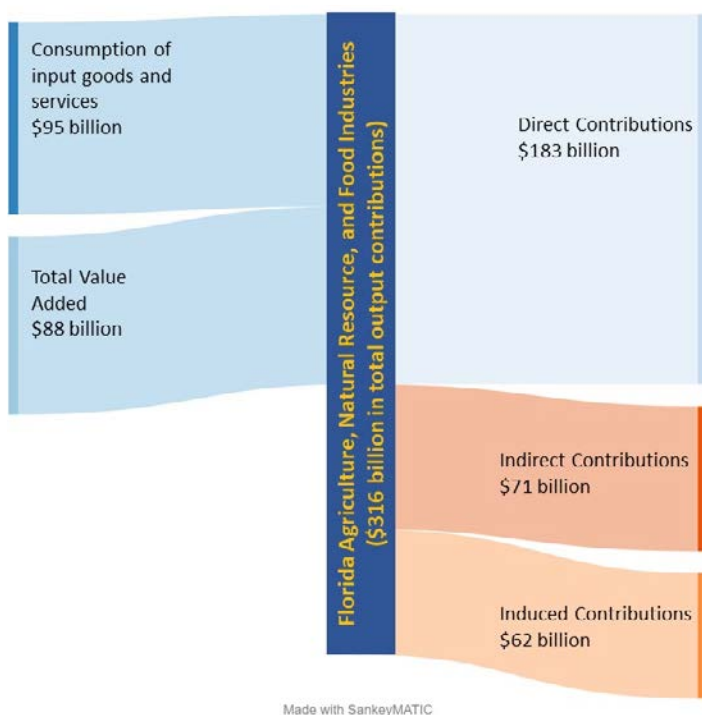


Figure 1. Structure of economic activity and summary of economic contributions of agriculture, natural resource, and food industries in Florida in 2019.

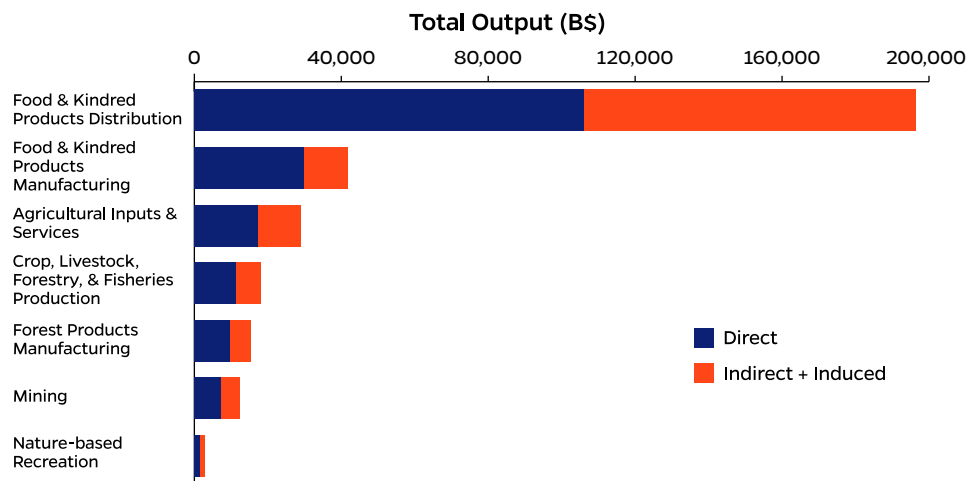


Figure 2. Total output contributions by agriculture, natural resource, and food industry group in the State of Florida in 2019.

Source: IMPLAN® data for Florida.

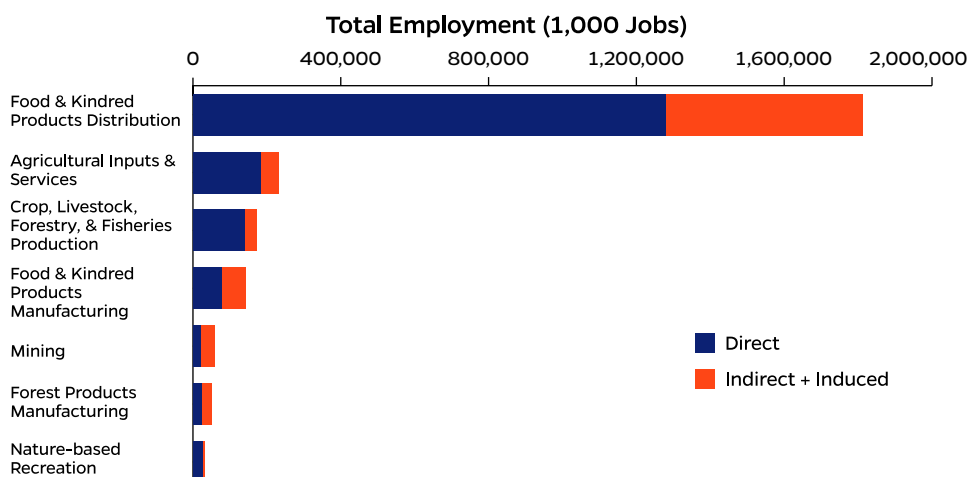


Figure 3. Total employment contributions by agriculture, natural resource, and food industry group in the State of Florida in 2019.

Source: IMPLAN® data for Florida.

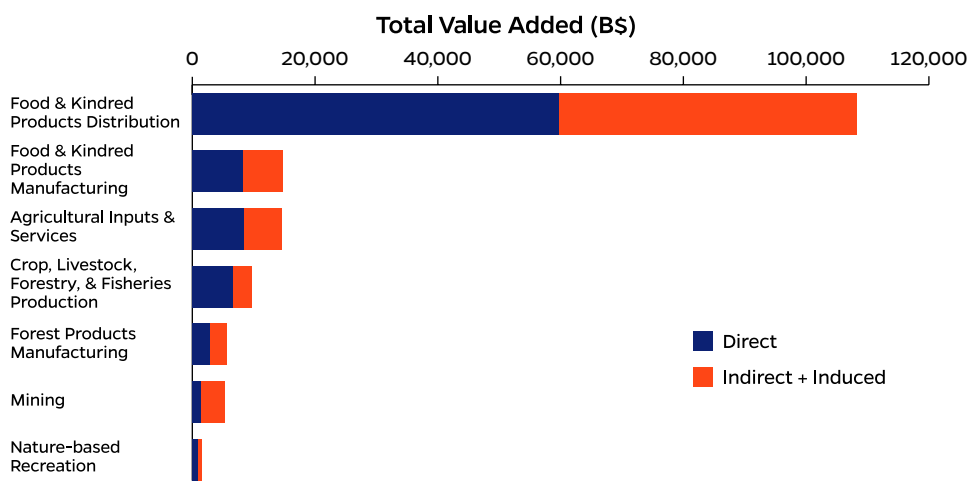


Figure 4. Total value added (GSP) contributions by agriculture, natural resource, and food industry group in the State of Florida in 2019.

Source: IMPLAN® data for Florida.

Food and Kindred Products Manufacturing is a large industry group with 47 individual sectors that are engaged in converting unrefined agricultural commodities into food products for final consumers. In 2019, this industry group had direct output contributions of \$29.84 billion, domestic and international exports of \$13.26 billion, and total output contributions of \$41.80 billion. Direct employment contributions were 78,156 jobs and total employment contributions were 143,891 jobs. The group had total value added contributions of \$14.67 billion, total labor income contributions of \$7.70 billion, total other property income contributions of \$5.70 billion, and total contributions from taxes on production and imports of \$1.27 billion (Table 1, Figures 2-4). Among individual sectors, the highest total value added and employment contributions were for tobacco product manufacturing (\$2.56 billion; 5,536 jobs), bread and bakery product, except frozen, manufacturing (\$1.97 billion, 30,911 jobs), bottled and canned soft drinks and water (\$1.87 billion; 17,309 jobs), canned fruits and vegetables manufacturing (\$914 million; 8,627 jobs), frozen cakes and other pastries manufacturing (\$811 million; 14,869 jobs), breweries (\$706 million; 6,013 jobs), and sugar cane mills and refining (\$630 million; 4,942 jobs). Other manufacturing sectors with significant total value added contributions included all other food manufacturing (\$491 million), frozen fruits, juices, and vegetables manufacturing (\$479 million), fluid milk manufacturing (\$370 million), other animal food manufacturing (\$341 million), distilleries (\$290 million), other snack food manufacturing (\$289 million), flavoring syrup and concentrate manufacturing (\$273 million), and seafood product preparation and packaging (\$259 million).

Forest Products Manufacturing is a group of industries that processes raw timber or wood into finished wood, paper products, and chemical products. In 2019, this industry group had direct output contributions valued at \$9.65 billion, domestic and international exports of \$4.95 billion, and total output contributions of \$14.84 billion. This group had direct employment contributions of 22,937 jobs and total employment contributions of 50,707 jobs. The group generated total value added contributions of \$5.63 billion, total labor income contributions of \$3.16 billion, total other property income contributions of \$2.12 billion, and total contributions from taxes on production and imports of \$353 million (Table 1, Figures 2-4). Leading sectors within this group in terms of total value added and total employment contributions were paperboard mills (\$811 million; 5,394 jobs), engineered wood member and truss manufacturing (\$714 million; 8,692 jobs), sanitary paper product manufacturing (\$691 million; 4,120 jobs), paperboard container manufacturing (\$689 million; 6,240 jobs), paper mills (\$632 million; 4,104 jobs), and sawmills (\$404 million; 4,552 jobs). Other sectors with significant total value added and employment contributions included other millwork, including flooring (\$281 million; 3,269 jobs), wood windows and door manufacturing (\$219 million; 2,677 jobs), and wood container and pallet manufacturing (\$208 million; 2,844 jobs).

Mining is a natural resource-based activity for the extraction of basic mineral commodities such as oil, natural gas, stone, sand, gravel, clay, phosphate, and various metals. In 2019, the Mining industries in Florida collectively had direct output contributions of \$7.12 billion, domestic and international exports of \$2.69 billion, and total output contributions of \$14.01 billion. This industry group had direct employment contributions of 21,340 jobs and total employment contributions of 59,598 jobs. Total value added contributions were \$5.25 billion, total labor income contributions were \$2.91 billion, total other property income contributions were \$1.88 billion, and total contributions from taxes on production and imports were \$462 million (Table 1, Figures 2-4). The largest individual sector in terms of total employment contributions was Oil and Gas Extraction (34,415 jobs), with total value added contributions of \$2.42 billion, representing approximately 50% of the whole Mining sector on both variables. Other individual sectors with significant total value added and employment contributions were stone mining and quarrying (\$901 million; 4,523 jobs), and other nonmetallic minerals service (\$308 million; 4,350 jobs), is support activities for oil and gas operations (\$197 million; 3,579 jobs), drilling oil and gas wells (\$219 million; 3,104 jobs), metal mining services (\$152 million; 2,842 jobs), sand and gravel mining (\$336 million; 2,326 jobs), and phosphate rock mining (\$333 million; 1,772 jobs).

Nature-based Recreation includes golf courses. In 2019, this industry in Florida had direct output contributions of \$1.45 billion, exports or sales to Florida visitors of \$614 million, total output contributions of \$2.96 billion, direct employment contributions of 26,131 jobs, total employment contributions of 33,280 jobs, total value added contributions of \$1.60 billion, total labor income contributions of \$1.24 billion, total other property income contributions of \$247 million, and total contributions from taxes on production and imports of \$117 million (Table 1, Figures 2-4). Note that these estimates do not include recreational use of public beaches or other outdoor resources in Florida because data were not available to reliably estimate economic contributions for these activities.

Food and Kindred Products Distribution includes activities for wholesale and retail trade in agricultural, natural resource, and food, and related products. This group of industry sectors is only indirectly related to agriculture and natural resources because it serves to deliver products from Florida and other locations to final consumers but is included in this analysis for perspective on the scope of the complex supply chain for food and kindred products. In 2019, this industry group in Florida had direct output contributions of \$106.01 billion, and total output contributions of \$196.46 billion. It had direct employment contributions of 1.28 million jobs and generated total employment contributions of 1.81 million jobs. Total value added contributions were \$108.31 billion, total labor income contributions were \$65.74 billion, total other property income contributions were \$29.47 billion, and total contributions from taxes on production and imports were \$13.11 billion (Table 1, Figures 2-4).

Collectively, this group represented 68% of total value added contributions and 72% of total employment contributions for all agriculture, natural resource, and food industries included in this analysis. Among individual sectors within this group, the largest total value added contributions were for full-service restaurants (\$32.55 billion) and limited-service restaurants (\$24.08 billion), followed by retail food and beverage stores (\$16.09 billion), wholesale trade of groceries and related products (\$12.93 billion), and all other food and drinking places (\$12.14 billion). The largest total employment contributions were generated by full-service restaurants (615,577 jobs), limited-service restaurants (474,966 jobs), and retail food and beverage stores (288,638 jobs).

Excluding sectors for Food and Kindred Products Distribution, all other agriculture, natural resource, and food industries had \$76.61 billion in sales revenue, total output contributions of \$119.56 billion, direct employment contributions of 470,581 jobs, total employment contributions of 691,389 jobs, total value added contributions of \$51.43 billion, total labor income contributions of \$30.80 billion, total other property income contributions of \$17.23 billion, and total contributions from taxes on production and imports of \$3.41 billion (Table 1).



Table 1. Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Crop, Livestock, Forestry, & Fisheries Production	140,207	11,276	6,587	4,766	172,451	16,966	9,672	5,997	3,259	416
Support activities for agriculture and forestry	48,729	2,130	1,713	1,068	57,554	3,611	2,561	2,138	305	118
All other crop farming	28,655	912	444	401	31,729	1,495	742	459	264	19
Greenhouse, nursery, and floriculture production	19,144	2,461	1,210	1,319	25,899	3,673	1,860	1,147	629	84
Fruit farming	13,397	1,324	844	629	16,030	1,804	1,105	509	563	33
Vegetable and melon farming	8,124	1,206	590	197	11,483	1,815	903	457	408	38
Commercial fishing	6,135	385	378	175	6,490	447	413	85	290	38
Sugarcane and sugar beet farming	3,767	569	319	369	5,682	908	498	317	169	12
Commercial logging	3,529	336	219	119	4,795	552	342	269	55	18
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2,856	478	195	120	4,007	676	298	151	132	15
Animal production, except cattle and poultry and eggs	1,727	239	225	7	2,177	314	268	111	150	6
Forestry, forest products, and timber tract production	1,385	118	94	76	1,790	186	133	104	23	5
Dairy cattle and milk production	866	514	97	50	2,012	720	204	110	81	13
Commercial hunting and trapping	725	178	163	83	969	220	186	53	122	11

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Cotton farming	447	59	31	50	626	91	48	31	15	1
Poultry and egg production	421	297	30	86	710	349	58	32	20	6
Grain farming	171	56	23	9	337	85	38	18	24	-4
Tree nut farming	90	9	6	4	106	11	7	3	4	0
Tobacco farming	33	3	2	2	44	5	3	2	1	0
Oilseed farming	4	4	3	3	12	5	4	1	2	0
Mining	21,340	7,116	1,405	2,690	59,598	14,009	5,247	2,909	1,875	462
Oil and gas extraction	10,671	3,630	21	2,200	34,415	7,827	2,420	1,667	567	186
Support activities for oil and gas operations	1,842	263	35	1	3,579	571	197	133	45	18
Stone mining and quarrying	1,771	959	634	11	4,523	1,451	901	262	569	70
Other nonmetallic minerals services	1,389	438	19	4	4,350	987	308	190	88	29
Drilling oil and gas wells	1,226	270	25	0	3,104	616	219	135	60	24
Sand and gravel mining	1,184	372	209	25	2,326	608	336	136	158	42
Metal mining services	1,181	380	4	72	2,842	666	152	98	39	15
Phosphate rock mining	796	363	227	125	1,772	558	333	123	176	35
Other metal ore mining	499	170	79	138	1,035	286	141	62	60	18
Other nonmetallic minerals	352	119	69	51	755	193	108	43	53	12
Other clay, ceramic, refractory minerals mining	217	76	44	40	439	118	66	26	35	6

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Potash, soda, and borate mineral mining	125	35	16	0	256	62	30	15	12	3
Uranium-radium-vanadium ore mining	62	26	12	15	120	38	18	7	9	2
Gold ore mining	9	4	2	0	21	7	4	2	1	0
Iron ore mining	6	8	7	6	42	14	11	9	1	0
Other chemical and fertilizer mineral mining	5	1	1	1	9	2	1	0	1	0
Silver ore mining	4	2	1	0	8	3	2	1	1	0
Coal mining	1	0	0	0	2	0	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0
Food & Kindred Products	78,156	29,839	8,229	13,257	143,891	41,801	14,667	7,701	5,697	1,269
Manufacturing										
Bread and bakery product, except frozen, manufacturing	21,740	2,895	1,062	1,173	30,911	4,534	1,967	1,282	512	173
Frozen cakes and other pastries manufacturing	12,011	1,008	531	607	14,869	1,508	811	525	163	123
Bottled and canned soft drinks & water	7,293	4,166	814	935	17,309	6,148	1,867	1,123	633	111
Canned fruits and vegetables manufacturing	4,186	2,157	469	1,689	8,627	3,004	914	516	355	43
All other food manufacturing	3,456	1,249	212	774	6,443	1,769	491	320	146	25
Breweries	3,007	1,110	386	346	6,013	1,719	706	380	267	59
Frozen fruits, juices, and vegetables manufacturing	2,034	982	250	245	4,443	1,399	479	271	187	22

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Seafood product preparation and packaging	1,917	761	110	377	3,517	1,035	259	177	69	14
Fluid milk manufacturing	1,879	1,230	166	171	4,076	1,609	370	229	121	20
Meat processed from carcasses	1,534	707	88	172	2,428	864	176	131	34	11
Other snack food manufacturing	1,487	694	151	291	2,805	950	289	171	105	13
Poultry processing	1,480	404	66	197	2,254	537	139	99	33	7
Sugar cane mills and refining	1,451	1,447	289	1,156	4,942	2,082	630	336	262	32
Other animal food manufacturing	1,274	1,295	180	697	2,988	1,599	341	184	98	58
Cookie and cracker manufacturing	1,164	377	85	94	2,198	560	185	122	55	8
Spice and extract manufacturing	1,130	631	101	438	2,717	920	253	155	84	14
Tobacco product manufacturing	1,080	3,523	2,148	805	5,536	4,256	2,556	432	1,748	376
Mayonnaise, dressing, and sauce manufacturing	982	531	115	443	1,926	714	212	122	81	9
Rendering and meat byproduct processing	944	373	68	262	2,837	666	220	154	48	17
Ice cream and frozen dessert manufacturing	874	297	43	79	1,455	405	101	67	29	6
Coffee and tea manufacturing	788	476	69	308	1,674	634	151	89	55	8
Roasted nuts and peanut butter manufacturing	776	356	84	123	1,821	544	180	113	59	9
Frozen specialties manufacturing	719	233	48	80	1,106	302	86	58	24	4

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)		Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)		Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Tortilla manufacturing	702		150	36	11		1,100	222	76	53	19	4
Nonchocolate confectionery manufacturing	617		237	31	168		1,253	357	94	61	28	6
Distilleries	581		500	200	463		1,462	669	290	109	125	56
Animal, except poultry, slaughtering	562		347	48	160		1,294	461	108	72	27	9
Wineries	437		132	37	43		816	203	75	46	24	5
Flavoring syrup and concentrate manufacturing	359		539	198	430		1,134	686	273	80	186	7
Confectionery manufacturing from purchased chocolate	326		100	16	70		558	144	39	26	11	2
Manufactured ice	304		43	9	6		525	87	33	31	0	2
Dry pasta, mixes, and dough manufacturing	216		102	20	35		444	142	42	23	16	2
Flour milling	215		210	30	19		838	323	88	53	29	6
Dog and cat food manufacturing	169		148	31	104		398	192	53	26	25	3
Chocolate and confectionery manufacturing from cacao beans	144		65	11	48		308	94	27	17	8	2
Dehydrated food products manufacturing	76		29	5	21		126	38	10	6	4	0
Wet corn milling	41		62	4	19		205	91	20	11	7	2
Canned specialties	40		29	4	20		71	35	7	4	3	0
Cheese manufacturing	40		35	4	25		84	43	8	5	2	0

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Dry, condensed, and evaporated dairy product manufacturing	33	35	3	18	85	44	8	4	3	1
Soybean and other oilseed processing	32	131	5	110	182	157	18	9	8	1
Rice milling	24	15	2	4	43	19	4	2	1	0
Breakfast cereal manufacturing	21	14	2	7	42	19	4	2	2	0
Fats and oils refining and blending	8	12	1	9	19	13	2	1	1	0
Malt manufacturing	3	2	0	2	7	3	1	0	0	0
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0
Creamery butter manufacturing	0	0	0	0	0	0	0	0	0	0
Forest Products Manufacturing	22,937	9,645	2,820	4,947	50,707	14,843	5,625	3,157	2,115	353
Engineered wood member and truss manufacturing	4,675	1,101	313	620	8,692	1,842	714	472	193	49
Paperboard container manufacturing	2,768	1,440	357	415	6,240	2,058	689	411	235	43
Sawmills	2,092	628	152	200	4,552	1,089	404	257	116	31
Other millwork, including flooring	1,813	414	139	41	3,269	676	281	184	81	17
Wood container and pallet manufacturing	1,730	302	97	22	2,844	507	208	142	54	13
Sanitary paper product manufacturing	1,598	1,343	440	822	4,120	1,818	691	276	383	33
Wood windows and door manufacturing	1,438	317	98	9	2,677	541	219	149	56	13

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Paperboard mills	1,400	1,334	385	1,219	5,394	2,123	811	389	366	57
Paper mills	1,375	1,094	341	688	4,104	1,633	632	299	295	39
All other miscellaneous wood product manufacturing	865	189	63	39	1,674	332	140	93	38	8
Paper bag and coated and treated paper manufacturing	692	334	88	273	1,334	456	152	81	63	9
Veneer and plywood manufacturing	571	165	47	46	1,020	251	93	61	26	6
Wood preservation	400	213	41	105	1,119	351	116	64	43	9
Reconstituted wood product manufacturing	396	277	131	151	1,085	406	201	116	76	9
Stationary product manufacturing	382	162	38	30	801	237	78	48	25	5
All other converted paper product manufacturing	375	118	36	77	781	190	74	47	23	4
Pulp mills	266	192	50	184	831	298	107	61	39	7
Cut stock, resawing lumber, and planing	100	23	6	6	169	36	13	8	4	1
Agricultural Inputs & Services	181,810	17,280	8,316	6,707	231,463	28,979	14,612	9,791	4,033	788
Landscape and horticultural services	112,161	8,737	4,582	2,636	154,178	16,049	8,566	6,077	2,003	486
Services to buildings	40,488	1,720	987	335	32,321	3,233	1,710	1,154	472	84
Veterinary services	23,655	2,247	1,460	524	30,662	3,488	2,158	1,484	591	83
Phosphatic fertilizer manufacturing	2,767	2,767	838	2,289	7,606	3,646	1,324	641	605	78
Fertilizer mixing	1,403	869	291	737	2,825	1,115	429	206	201	21
Farm machinery and equipment manufacturing	635	308	51	45	1,639	501	154	95	47	13

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Nitrogenous fertilizer manufacturing	297	316	57	95	1,123	491	148	68	66	14
Lawn and garden equipment manufacturing	273	143	22	18	643	216	60	37	19	5
Pesticide and other agricultural chemical manufacturing	130	173	28	28	465	240	63	29	29	5
Food & Kindred Products Distribution	1,279,638	106,013	59,643	8,550	1,812,847	196,462	108,313	65,735	29,468	13,110
Full-service restaurants	471,132	31,724	18,892	1,973	615,577	56,965	32,550	20,401	8,750	3,398
Limited-service restaurants	349,070	26,688	12,408	69	474,966	48,914	24,082	13,863	7,138	3,081
Retail - Food and beverage stores	204,562	14,702	8,832	520	288,638	28,524	16,091	10,227	3,746	2,118
All other food and drinking places	159,057	10,860	7,344	24	211,956	19,639	12,139	7,384	3,318	1,436
Wholesale - Grocery and related product wholesalers	60,222	11,908	6,226	4,019	135,977	24,065	12,934	8,560	3,512	863
Wholesale - Other nondurable goods merchant wholesalers	28,880	9,364	5,411	1,924	75,644	16,994	9,677	4,853	2,765	2,059
Retail - Building material and garden equipment and supplies stores	6,715	766	531	21	10,089	1,361	840	447	239	154

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Table 1 (Continued). Summary of economic contributions of agriculture, natural resource, and food industry groups and sectors in the State of Florida in 2019. Sectors are sorted in descending order of direct employment.

Industry/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Value Added (M\$)	Domestic and International Exports (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)	Labor Income Contributions (M\$)	Other Property Income Contributions (M\$)	Taxes on Production and Imports Contributions (M\$)
Nature-based Recreation	26,131	1,448	848	614	33,280	2,959	1,605	1,241	247	117
Other amusement and recreation industries (Golf courses)	26,131	1,448	848	614	33,280	2,959	1,605	1,241	247	117
Total All Industries	1,750,219	182,618	87,847	41,531	2,504,237	316,020	159,740	96,531	46,694	16,515
Total Excluding Food & Kindred Products Distribution	470,581	76,605	28,205	32,982	691,389	119,557	51,427	30,796	17,226	3,406

Contribution estimates include regional multiplier effects.
Source: IMPLAN® data for Florida (IMPLAN Group, LLC 2019).

ECONOMIC CONTRIBUTIONS BY AGRICULTURAL COMMODITY GROUPS

In addition to the industry groups noted above, information on economic contributions was compiled for groups of food and fiber commodities that have identifiable market-chain linkages between producers, manufacturers, and service sectors. Results for total output, value added, and employment contributions are summarized in Figures 5-7.

Environmental horticulture, which includes greenhouse, nursery, and floriculture production, landscape services, and retail lawn and garden centers, had combined total output contributions of \$21.08 billion, total value added contributions of \$11.27 billion, and total employment contributions of 190,166 jobs. **Fruit and vegetable farming and processing**, including sectors for fruit farming, vegetable and melon farming, canned fruits and vegetables manufacturing, and frozen fruits, juices, and vegetables manufacturing, had total output contributions of \$8.02 billion, total value added contributions of \$3.40 billion, and total employment contributions of 40,583 jobs. **Forestry and forest products**, which includes 20 sectors, had combined total output contributions of \$15.58 billion, total value added

contributions of \$6.10 billion, and total employment contributions of 57,291 jobs. **Grain and oilseed farming and processing** had total output contributions of \$7.68 billion, total value added contributions of 3.26 billion, and total employment contributions of 51,208 jobs. **Livestock farming and animal products manufacturing**, including dairy cattle and milk production, beef cattle ranching and farming, poultry and egg production, animal production except cattle and poultry, poultry processing, fluid milk manufacturing, cheese manufacturing, and ice cream and frozen dessert manufacturing, had total output contributions of \$6.69 billion, total value added contributions of \$1.96 billion, and total employment contributions of 23,420 jobs. **Sugarcane farming refined sugar, and confections** had total output contributions of \$3.58 billion, total value added contributions of \$1.29 billion, and total employment contributions of 12,743 jobs. **Fishing and seafood products** had total output contributions of \$1.48 billion, total value added contributions of \$672 million, and total employment contributions of 10,007 jobs.



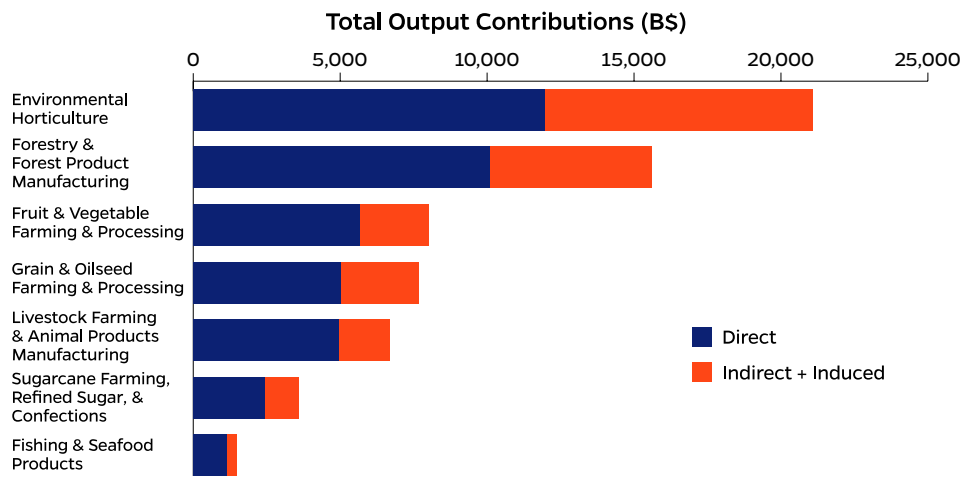


Figure 5. Total output contributions of agricultural commodity groups in Florida in 2019.

Source: IMPLAN® data for Florida.

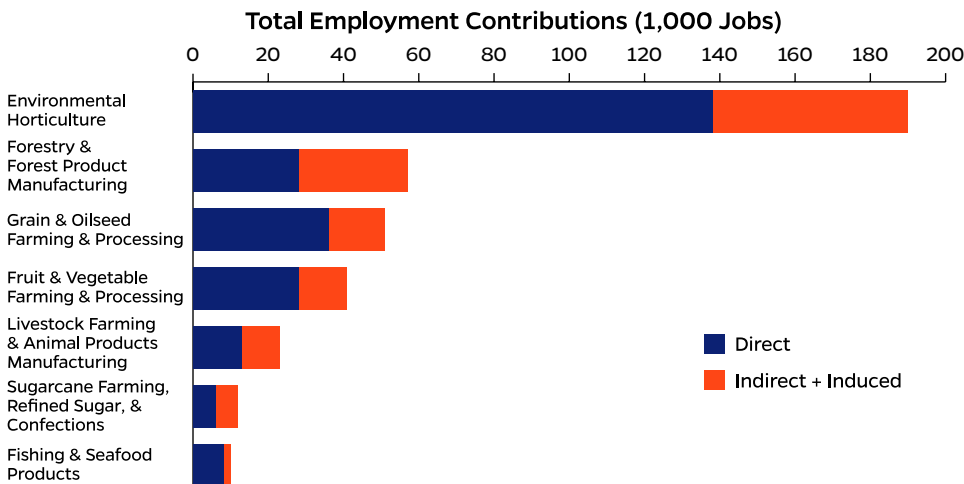


Figure 6. Total employment contributions of agricultural commodity groups in Florida in 2019.

Source: IMPLAN® data for Florida.

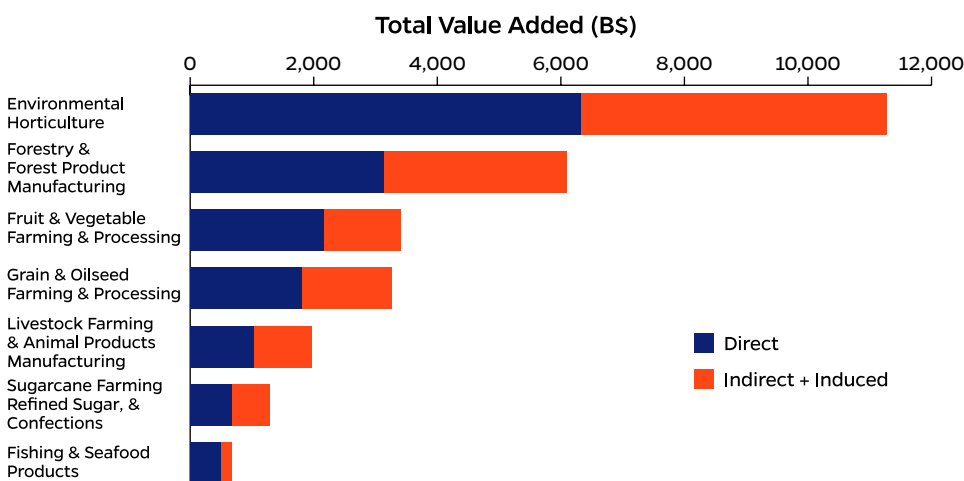


Figure 7. Total value added (GSP) contributions of agricultural commodity groups in Florida in 2019.

Source: IMPLAN® data for Florida.

ECONOMIC CONTRIBUTIONS IN FLORIDA REGIONS AND COUNTIES

Economic contributions of agriculture, natural resource, and food industries in 2019 were evaluated for all 67 Florida counties and for the nine multi-county economic areas shown in Figure 8, with results summarized in Tables 2-3, and Figures 9-13. Total value added and employment contributions were highest in the Miami-Ft. Lauderdale region (\$60.25 billion; 788,434 jobs), followed by Orlando (\$38.12 billion; 642,285 jobs), Tampa-St. Petersburg (\$20.88 billion; 336,217 jobs), Sarasota-Bradenton (\$16.97 billion; 273,159 jobs), Jacksonville (\$12.35 billion; 196,213 jobs), Gainesville (\$4.11 billion; 69,530 jobs), Tallahassee (\$3.49 billion; 62,789 jobs), Pensacola (\$810 million; 96,292 jobs), and Panama City (\$2.76 billion; 39,317 jobs), as shown in Figures 9-10. Among individual Florida counties, the nine largest in terms of total employment and value added contributions in 2019 were Miami-Dade (294,791 jobs; \$22.68 billion), Orange (221,346 jobs; \$14.34 billion), Palm Beach (194,490 jobs; \$18.00 billion), Broward (192,746 jobs; \$12.81 billion), Hillsborough (176,637 jobs; \$11.94 billion), Duval (120,276 jobs; \$7.69 billion), Pinellas (106,334 jobs; \$6.13 billion), Lee (86,644 jobs; \$4.89 billion), and Polk (81,902 jobs; \$4.43 billion), as shown in Table 2.

There were 23 additional counties having total value added contributions exceeding \$1 billion in 2019, including

Collier (\$3.84 billion), Volusia (\$3.62 billion), Manatee (\$3.37 billion), Seminole (\$3.17 billion), Sarasota (\$3.07 billion), Brevard (\$2.93 billion), Lake (\$2.25 billion), Pasco (\$2.13 billion), Marion (\$2.06 billion), Escambia (\$2.06 billion), Osceola (\$1.99 billion), Leon (\$1.98 billion), Alachua (\$1.96 billion), St. Johns (\$1.84 billion), St. Lucie (\$1.68 billion), Bay (\$1.61 billion), Okaloosa (\$1.51 billion), Martin (\$1.45 billion), Charlotte (\$1.38 billion), Monroe (\$1.22 billion), Sumter (\$1.19 billion), Indian River (\$1.08 billion), and Nassau (\$1.03 billion).

In addition to the top nine counties listed above, 40 counties had total employment contributions of 10,000 jobs or greater. Employment contributions by industry group in regions and counties are shown in Table 3. Thematic maps of the total employment and value added contributions in Florida counties are shown in Figures 12 and 13, respectively. Note that although the economic contributions of agriculture, natural resource, and food industries might be smaller in absolute terms in rural counties in the northern part of the state and interior of the Florida peninsula, these contributions are more important in relative terms when these industries represent a higher share of total economic activity in a region. Additional detailed information on economic contributions of specific industries in individual Florida counties is provided in Appendix C.

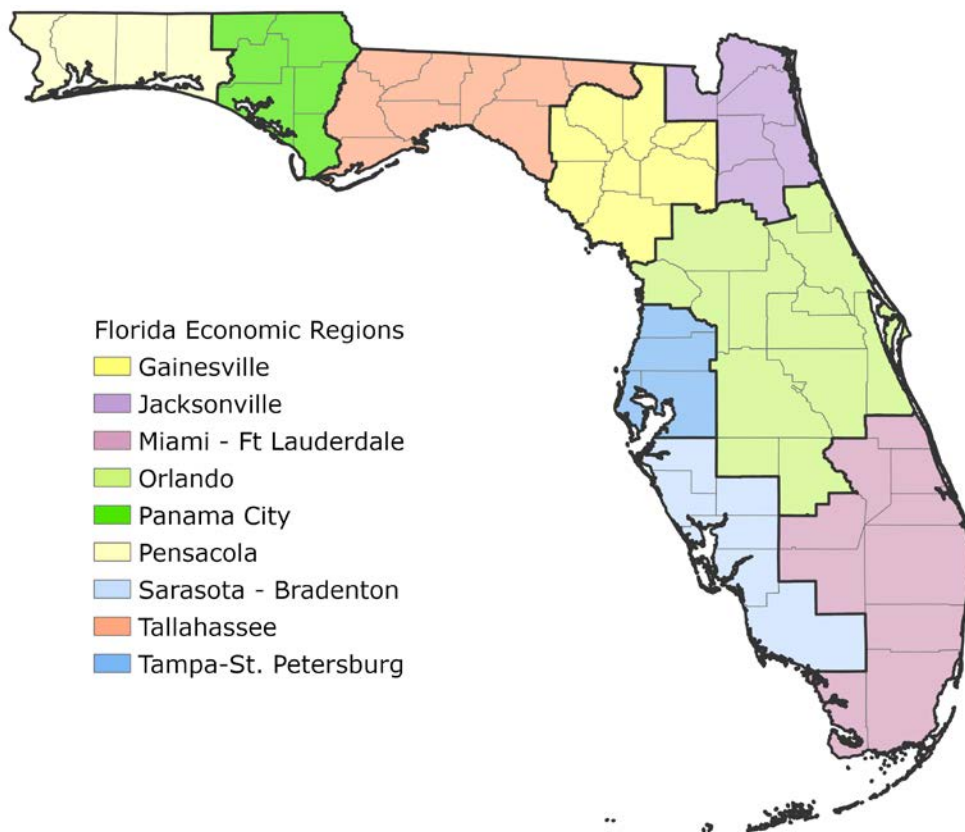


Figure 8. Map of Florida economic regions. Adapted from U.S. Commerce Department, Bureau of Economic Analysis (Johnson and Kort, 2004).

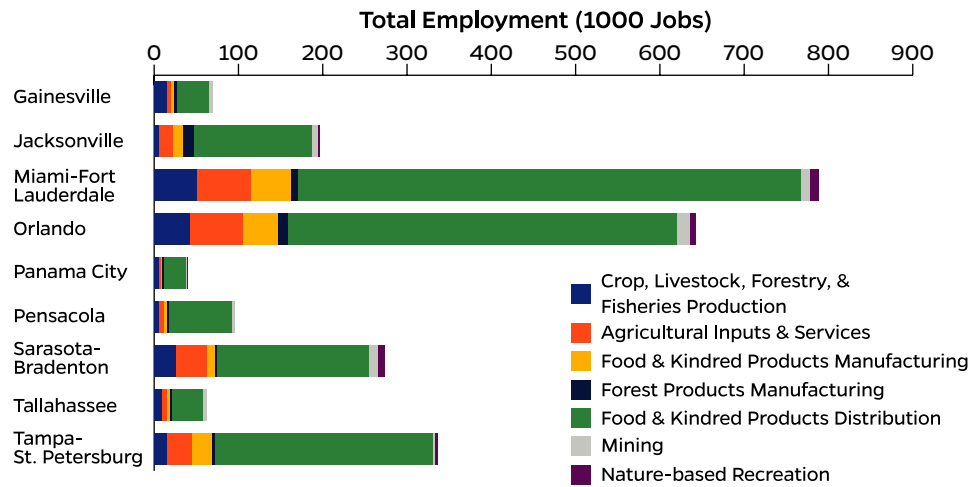


Figure 9. Total employment contributions of agriculture, natural resource, and food industries in Florida regions in 2019. Estimates include regional multiplier effects.
Source: IMPLAN® data for Florida counties.

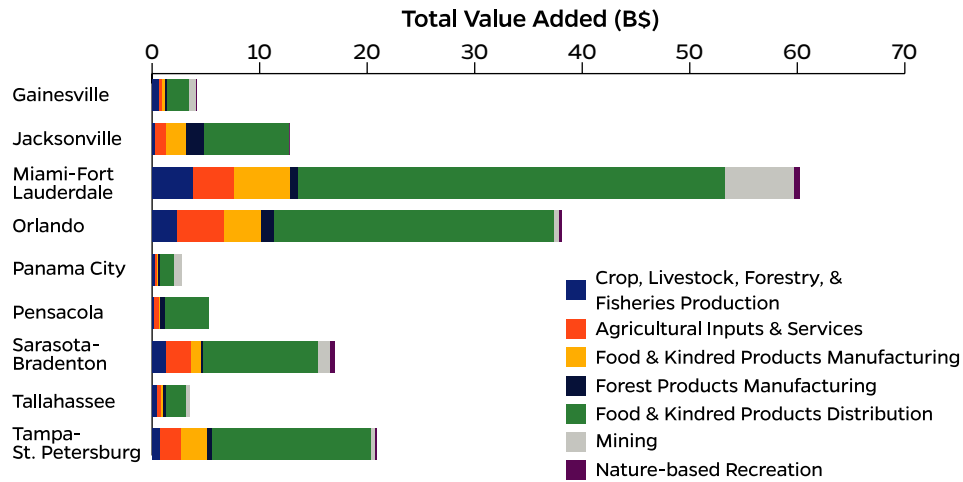


Figure 10. Total value added (GSP) contributions of agriculture, natural resource, and food industries in Florida regions in 2019. Estimates include regional multiplier effects.
Source: IMPLAN® data for Florida counties.

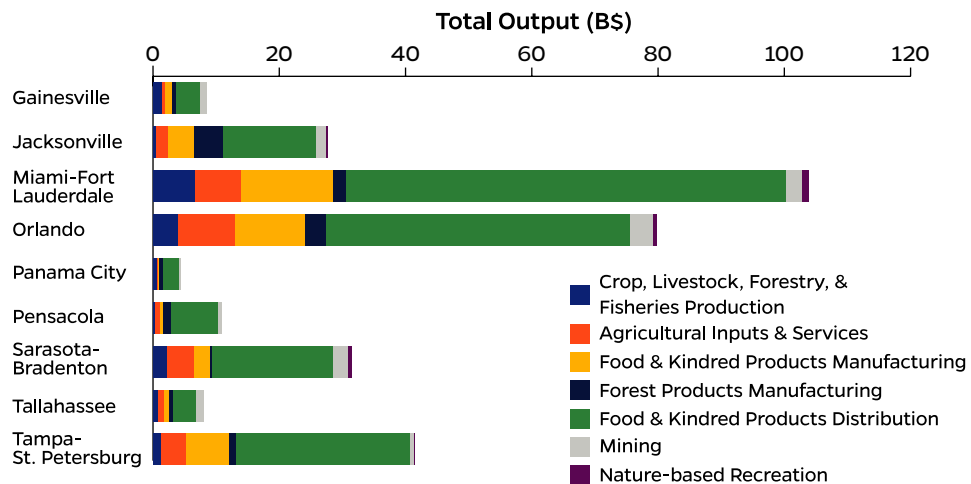


Figure 11. Total output contributions by agriculture, natural resource, and food industries in Florida regions in 2019. Estimates include regional multiplier effects.
Source: IMPLAN® data for Florida counties.

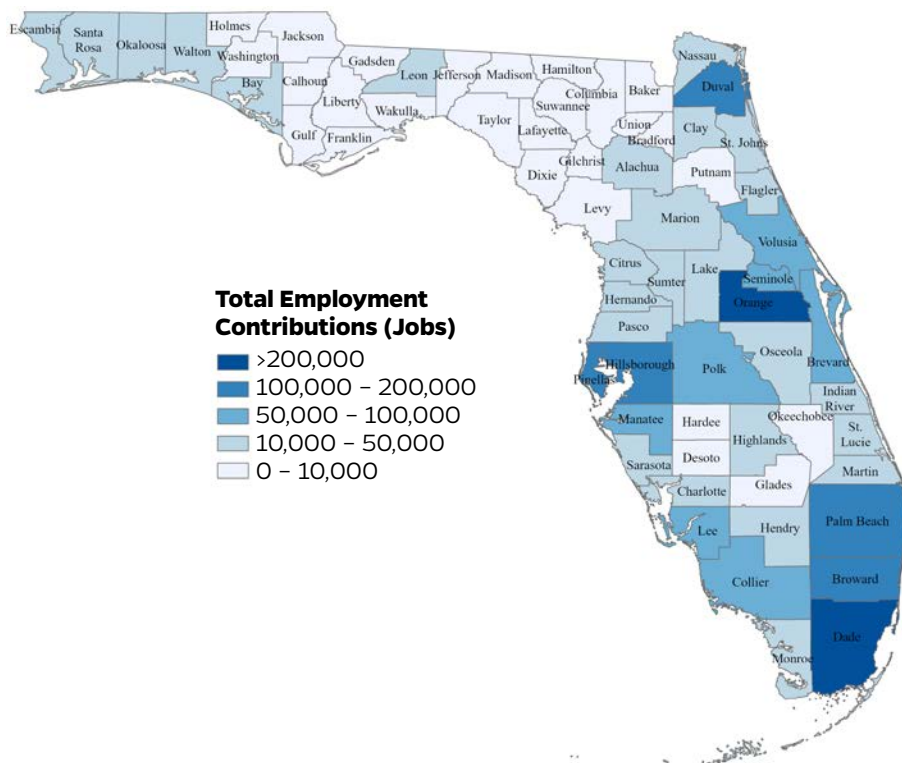


Figure 12. Map of total employment contributions by agriculture, natural resource, and food industries in Florida counties in 2019. Estimates represent fulltime and part-time jobs and include regional multiplier effects.

Source: IMPLAN® data for Florida counties and ArcGIS software.

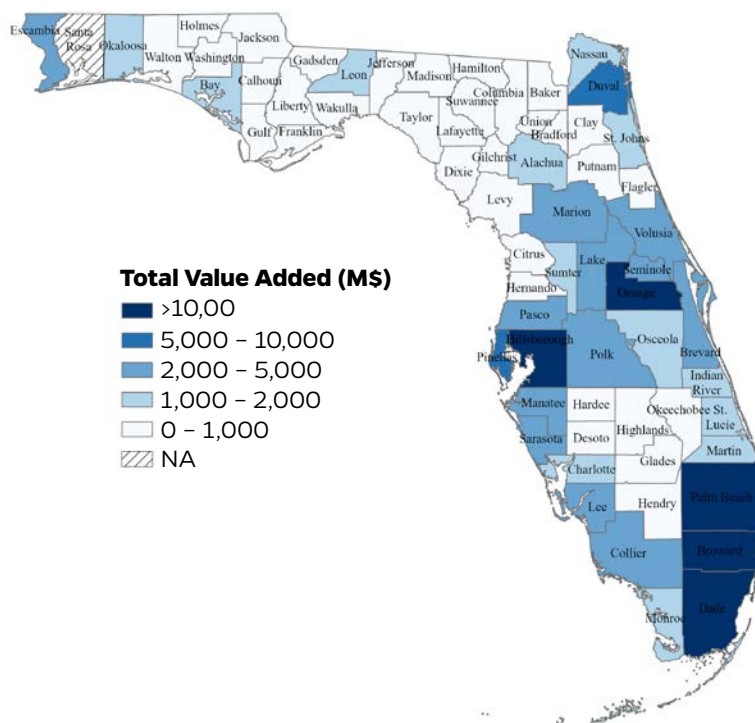


Figure 13. Map of total value added (GSP) contributions by agriculture, natural resource, and food industries in Florida counties in 2019. Values are expressed in millions of dollars and include regional multiplier effects.

Source: IMPLAN® data for Florida counties and ArcGIS software.



Table 2. Summary of economic contributions of agriculture, natural resource, and food industries in Florida regions and counties in 2019. Regions and counties are sorted in descending order by direct employment.

Region/County	Employment (Jobs)		Industry Output (M\$)		Value Added Contrib. (M\$)	Labor Income Contrib. (M\$)	Other Property Contrib. (M\$)	Tax Contrib. (M\$)
	Direct	Contrib.	Direct	Contrib.				
Miami-Fort Lauderdale	542,638	788,434	60,138	103,888	60,248	34,114	16,144	5,516
Broward	133,254	192,746	13,264	23,641	12,811	7,903	3,569	1,386
Glades	1,641	2,118	188	286	167	103	44	7
Hendry	9,731	12,568	980	1,519	808	636	77	43
Indian River	13,475	18,452	1,168	2,041	1,076	680	280	101
Martin	16,445	23,119	1,539	2,691	1,446	847	384	143
Miami-Dade	197,668	294,791	24,570	41,730	22,681	13,159	6,917	2,335
Monroe	12,396	17,101	1,215	2,098	1,224	725	364	111
Okeechobee	4,063	5,927	581	876	352	218	95	35
Palm Beach	135,082	194,490	14,555	25,505	18,003	8,855	3,905	1,188
St. Lucie	18,883	27,122	2,078	3,502	1,680	987	509	166
Orlando	446,497	642,285	46,585	79,825	38,115	23,480	11,269	4,094
Brevard	39,425	54,620	3,244	5,745	2,926	1,736	814	346
Citrus	7,598	10,396	574	1,016	513	296	141	60
Flagler	8,276	11,936	700	1,299	595	345	136	64
Hardee	4,665	6,347	540	821	394	233	118	32
Highlands	8,482	11,489	742	1,227	634	406	143	60
Lake	27,407	38,824	2,775	4,655	2,251	1,284	604	228
Marion	26,820	37,501	2,472	4,194	2,062	1,180	630	211
Orange	154,504	221,346	15,587	27,306	14,341	8,768	3,949	1,490
Osceola	25,060	36,026	2,289	4,092	1,989	1,232	525	224
Polk	53,047	81,902	8,902	13,890	4,432	3,584	2,249	549
Seminole	36,560	51,700	3,470	6,064	3,165	1,885	848	337
Sumter	9,208	12,816	790	1,376	1,191	510	167	69
Volusia	45,444	67,383	4,498	8,141	3,621	2,022	946	426
Tampa-St. Petersburg	233,323	336,217	24,258	41,494	20,881	12,334	6,098	2,275
Hernando	10,765	14,661	791	1,395	679	406	188	84
Hillsborough	119,096	176,637	14,323	24,086	11,942	7,064	3,697	1,259
Pasco	27,694	38,586	2,296	4,039	2,134	1,212	527	239
Pinellas	75,769	106,334	6,848	11,973	6,127	3,653	1,686	693
Sarasota-Bradenton	194,005	273,159	17,802	31,559	16,974	10,393	4,288	1,593
Charlotte	11,616	15,953	921	1,648	1,375	646	193	97
Collier	41,390	57,150	3,594	6,476	3,843	2,416	869	311
DeSoto	5,456	6,968	479	755	427	226	159	26
Lee	61,786	86,644	5,366	9,665	4,890	3,231	1,320	521
Manatee	38,542	56,471	4,253	7,273	3,365	1,974	944	319
Sarasota	35,215	49,975	3,189	5,743	3,074	1,899	803	319

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Table 2 (continued). Summary of economic contributions of agriculture, natural resource, and food industries in Florida regions and counties in 2019. Regions and counties are sorted in descending order by direct employment.

Region/County	Employment (Jobs)		Industry Output (M\$)		Value Added Contrib. (M\$)	Labor Income Contrib. (M\$)	Other Property Contrib. (M\$)	Tax Contrib. (M\$)
	Direct	Contrib.	Direct	Contrib.				
Jacksonville	130,429	196,213	16,384	27,599	12,345	7,381	4,351	1,435
Baker	1,567	2,175	116	200	90	64	14	13
Clay	12,961	19,295	1,252	2,248	931	506	240	133
Duval	80,399	120,276	10,240	17,134	7,686	4,814	2,957	944
Nassau	7,830	13,072	1,410	2,339	1,027	576	339	93
Putnam	5,055	8,433	1,297	1,880	770	369	344	54
St. Johns	22,616	32,963	2,069	3,798	1,842	1,051	457	198
Pensacola	68,135	96,292	6,181	10,889	810	3,298	1,905	608
Escambia	26,851	38,752	2,736	4,736	2,056	1,335	748	256
Okaloosa	19,810	27,080	1,552	2,777	1,507	867	396	162
Santa Rosa	11,466	16,276	963	1,704		586	555	103
Walton	10,007	14,184	930	1,673	844	510	206	86
Gainesville	48,609	69,530	4,955	8,443	4,113	2,268	975	396
Alachua	26,783	38,894	2,415	4,375	1,959	1,107	532	232
Bradford	2,145	3,181	244	421	206	111	66	19
Columbia	6,164	8,686	568	968	641	318	94	53
Dixie	1,380	2,224	198	341	134	83	34	13
Gilchrist	1,730	2,351	190	296	131	102	1	9
Lafayette	554	740	118	173	64	37	21	5
Levy	3,709	4,843	332	540	305	156	108	24
Suwannee	5,490	7,709	831	1,236	640	337	107	37
Union	655	902	59	93	33	19	11	4
Tallahassee	42,612	62,789	4,679	7,948	3,490	1,926	956	371
Franklin	1,282	1,843	139	233	122	70	29	10
Gadsden	3,763	5,648	410	682	343	231	68	29
Hamilton	1,530	2,618	521	716	254	115	120	18
Jefferson	1,417	1,834	84	135	78	67	-5	6
Leon	28,028	40,800	2,441	4,485	1,978	1,056	487	254
Liberty	669	1,330	240	365	153	77	65	9
Madison	2,059	2,911	287	447	170	76	82	15
Taylor	2,020	3,271	413	642	280	170	84	19
Wakulla	1,843	2,533	144	244	111	63	26	12
Panama City	28,273	39,317	2,513	4,374	2,764	1,337	707	227
Bay	18,218	25,523	1,578	2,797	1,611	908	408	158
Calhoun	940	1,300	80	137	65	30	27	6
Gulf	1,001	1,388	79	143	106	49	19	9
Holmes	1,657	2,216	103	174	66	25	29	10
Jackson	4,542	6,236	519	859	795	266	192	31
Washington	1,914	2,653	154	264	121	59	33	13

Table 3. Employment contributions of agriculture, natural resource, and food industry groups in Florida regions and counties in 2019.

County	Total Employment (Jobs)							Total
	Crop, Livestock, Forestry, & Fisheries Production	Agricultural Inputs & Services	Food & Kindred Products Manufacturing	Forest Products Manufacturing	Food & Kindred Products Distribution	Mining	Nature-based Recreation	
Alachua	4,299	2,829	1,296	825	26,303	3,236	106	38,894
Baker	432	409	115	13	1,205	0	0	2,175
Bay	684	1,865	635	843	20,760	425	313	25,523
Bradford	740	205	345	160	1,361	363	8	3,181
Brevard	993	4,962	2,100	452	44,403	637	1,073	54,620
Broward	1,820	15,495	8,664	1,419	161,992	1,541	1,815	192,746
Calhoun	610	19	21	3	610	35	2	1,300
Charlotte	1,175	1,622	329	283	11,815	359	369	15,953
Citrus	941	1,445	269	121	7,105	344	172	10,396
Clay	586	2,414	840	11	13,096	2,194	155	19,295
Collier	5,847	9,675	1,340	116	35,745	1,859	2,568	57,150
Columbia	1,643	417	508	387	5,628	71	33	8,686
DeSoto	4,625	502	364	53	1,355	47	21	6,968
Dixie	513	160	25	993	485	43	4	2,224
Duval	1,051	8,262	9,758	5,828	92,163	2,025	1,187	120,276
Escambia	1,532	2,343	772	2,549	30,649	632	276	38,752
Flagler	809	3,163	186	39	6,312	1,237	188	11,936
Franklin	166	160	250	3	1,207	35	21	1,843
Gadsden	2,362	353	122	456	2,009	316	29	5,648
Gilchrist	1,389	232	140	11	535	43	1	2,351
Glades	1,757	165	11	3	139	38	6	2,118
Gulf	151	97	51	46	1,004	37	0	1,388
Hamilton	862	1,211	92	33	391	22	7	2,618
Hardee	4,105	360	323	80	1,020	452	5	6,347
Hendry	9,320	309	904	3	1,957	71	4	12,568
Hernando	1,200	1,628	518	88	10,961	99	167	14,661
Highlands	4,145	1,085	322	7	5,703	60	167	11,489
Hillsborough	11,374	14,729	15,054	2,907	130,131	1,028	1,413	176,637
Holmes	1,159	40	53	28	815	119	2	2,216
Indian River	2,749	2,897	619	97	10,821	474	796	18,452
Jackson	2,124	258	265	832	2,571	174	11	6,236
Jefferson	1,134	175	21	5	450	35	13	1,834
Lafayette	458	28	19	43	172	19	1	740
Lake	3,946	6,240	3,683	301	23,204	532	919	38,824
Lee	3,693	12,940	2,423	394	61,994	2,699	2,501	86,644
Leon	1,981	2,982	1,136	223	29,922	4,387	171	40,800

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Table 3 (continued). Employment contributions of agriculture, natural resource, and food industry groups in Florida regions and counties in 2019.

County	Total Employment (Jobs)							Total
	Crop, Livestock, Forestry, & Fisheries Production	Agricultural Inputs & Services	Food & Kindred Products Manufacturing	Forest Products Manufacturing	Food & Kindred Products Distribution	Mining	Nature-based Recreation	
Levy	2,294	208	188	22	1,958	157	16	4,843
Liberty	263	16	15	939	92	3	1	1,330
Madison	1,312	98	331	237	888	38	7	2,911
Manatee	9,026	5,898	3,959	680	31,926	4,096	887	56,471
Marion	6,913	3,932	2,189	946	22,232	765	525	37,501
Martin	1,850	3,714	891	256	14,924	727	757	23,119
Miami-Dade	12,249	15,536	22,295	3,971	236,127	2,844	1,769	294,791
Monroe	855	1,502	709	19	13,325	323	369	17,101
Nassau	922	1,002	226	3,846	6,666	228	182	13,072
Okaloosa	853	2,029	794	148	22,410	446	400	27,080
Okeechobee	2,262	613	396	3	2,587	30	36	5,927
Orange	3,415	14,487	13,015	1,665	185,700	1,156	1,908	221,346
Osceola	617	2,243	1,876	522	30,408	120	240	36,026
Palm Beach	14,579	21,296	11,263	1,224	137,199	3,628	5,301	194,490
Pasco	2,196	5,198	1,956	111	28,085	553	487	38,586
Pinellas	638	8,106	5,268	1,332	88,404	1,211	1,375	106,334
Polk	8,610	10,943	11,347	5,309	43,096	2,109	488	81,902
Putnam	933	900	283	3,004	3,190	105	19	8,433
Santa Rosa	1,452	1,383	563	517	11,623	649	89	16,276
Sarasota	846	6,426	1,471	261	38,212	1,341	1,419	49,975
Seminole	648	7,629	2,776	1,847	38,038	382	380	51,700
St. Johns	1,393	3,465	747	395	23,333	2,929	701	32,963
St. Lucie	2,527	2,773	2,311	1,098	17,708	338	366	27,122
Sumter	1,999	1,694	281	599	7,629	395	220	12,816
Suwannee	2,692	871	1,632	344	2,024	139	8	7,709
Taylor	846	109	653	587	1,019	34	21	3,271
Union	491	63	35	72	196	44	1	902
Volusia	4,962	5,465	2,142	739	45,582	7,855	639	67,383
Wakulla	319	711	182	3	1,230	56	32	2,533
Walton	1,240	1,346	340	254	9,748	1,139	116	14,184
Washington	875	128	181	103	1,296	68	2	2,653
Total	172,451	231,463	143,891	50,707	1,812,847	59,598	33,280	2,504,237
Gainesville	14,519	5,013	4,187	2,859	38,662	4,115	177	69,530
Jacksonville	5,317	16,452	11,970	13,097	139,654	7,480	2,244	196,213
Miami-Fort Lauderdale	49,967	64,301	48,062	8,093	596,778	10,014	11,219	788,434
Orlando	42,103	63,648	40,510	12,626	460,431	16,044	6,923	642,285

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Table 3 (continued). Employment contributions of agriculture, natural resource, and food industry groups in Florida regions and counties in 2019.

County	Total Employment (Jobs)							Total
	Crop, Livestock, Forestry, & Fisheries Production	Agricultural Inputs & Services	Food & Kindred Products Manufacturing	Forest Products Manufacturing	Food & Kindred Products Distribution	Mining	Nature-based Recreation	
Panama City	5,603	2,407	1,207	1,854	27,057	859	330	39,317
Pensacola	5,077	7,102	2,469	3,467	74,429	2,867	880	96,292
Sarasota-Bradenton	25,212	37,063	9,885	1,786	181,048	10,401	7,765	273,159
Tallahassee	9,246	5,816	2,803	2,486	37,208	4,928	303	62,789
Tampa-St. Petersburg	15,407	29,661	22,797	4,438	257,582	2,891	3,441	336,217
Total	172,451	231,463	143,891	50,707	1,812,847	59,598	33,280	2,504,237



SHARE OF FLORIDA GROSS DOMESTIC PRODUCT AND EMPLOYMENT

The relative importance of agriculture, natural resource, and food industries in Florida can be gauged by their share of overall economic activity in the state, regions, and counties. Among 16 major industry groups in 2019, agriculture, natural resource, and food industries were ranked first in Florida in terms of direct employment and fifth in terms of direct value added or GSP, behind real estate and rentals, wholesale and retail, professional and technical services, and health care and social services sectors (Table 4). Direct employment in agriculture, natural resource, and food industries (1.73 million jobs) represented 13.7 percent of total employment in the state (12.62 million jobs), and total employment contributions of these industries (2.50 million jobs) represented 19.8 percent of all Florida jobs. Direct value added contributions of agriculture, natural resource, and food industries (\$88.30 billion) represented 8.0 percent of GSP (\$1.10 trillion), and total value added contributions of these industries, including

regional multiplier effects (\$159.74 billion), represented 14.8 percent of GSP. Excluding the Food and Kindred Products Distribution industry group, total valued added contributions of agriculture, natural resource, and food industries represented 4.5 percent of GSP and 5.2 percent of state employment. The share of total employment and value added contributions of agriculture, natural resource, and food industries in Florida counties in 2019 are presented in Table 5. Total employment contributions represented over 20 percent of total employment in 55 of 67 counties and total value added contributions represented over 20 percent of gross regional product (GRP) in 36 counties. The ten counties with the highest share of total employment contributions were Hendry (61.7%), Hardee (59.6%), Hamilton (58.2%), Glades (55.2%), Liberty (50.2%), Dixie (49.0%), DeSoto (48.8%), Suwannee (43.3%), Madison (41.7%), and Gilchrist (40.3%).

Table 4. Direct employment, output, and value added (GSP) in the State of Florida in 2019. Major industry groups are sorted in descending order by direct employment.

Major Industry Group	Direct Employment (Jobs)	Share of Direct Employment	Direct Output (M\$)	Share of Direct Output	Direct Value Added (M\$)	Share of Direct Value Added
Agriculture, Natural Resource, and Food Industry Group	1,708,873	13.5%	174,066	8.9%	83,119	7.6%
Health Care and Social Services	1,369,031	10.8%	158,097	8.1%	94,808	8.7%
Wholesale & Retail	1,368,689	10.8%	196,959	10.1%	117,235	10.7%
Professional and Technical Services	1,059,377	8.4%	159,999	8.2%	96,488	8.8%
Other Services	932,624	7.4%	70,836	3.6%	43,546	4.0%
Management and Administrative Services	881,239	7.0%	95,177	4.9%	53,174	4.9%
Real Estate and Rentals	822,314	6.5%	289,451	14.8%	179,135	16.4%
Construction	809,298	6.4%	118,499	6.1%	64,575	5.9%
Finance and Insurance	723,713	5.7%	179,465	9.2%	69,029	6.3%
Government and non-NAICS	720,865	5.7%	91,109	4.7%	80,621	7.4%
Transportation	647,088	5.1%	84,706	4.3%	40,027	3.7%
Education	611,572	4.8%	44,089	2.3%	39,974	3.7%
Travel, Entertainment, and Recreation	446,063	3.5%	41,822	2.1%	27,154	2.5%
Manufacturing	335,017	2.7%	129,406	6.6%	43,741	4.0%
Information and Communications	180,867	1.4%	88,855	4.5%	40,984	3.8%
Utilities	24,964	0.2%	34,240	1.7%	18,123	1.7%
Total	12,641,594		1,956,777		1,091,730	

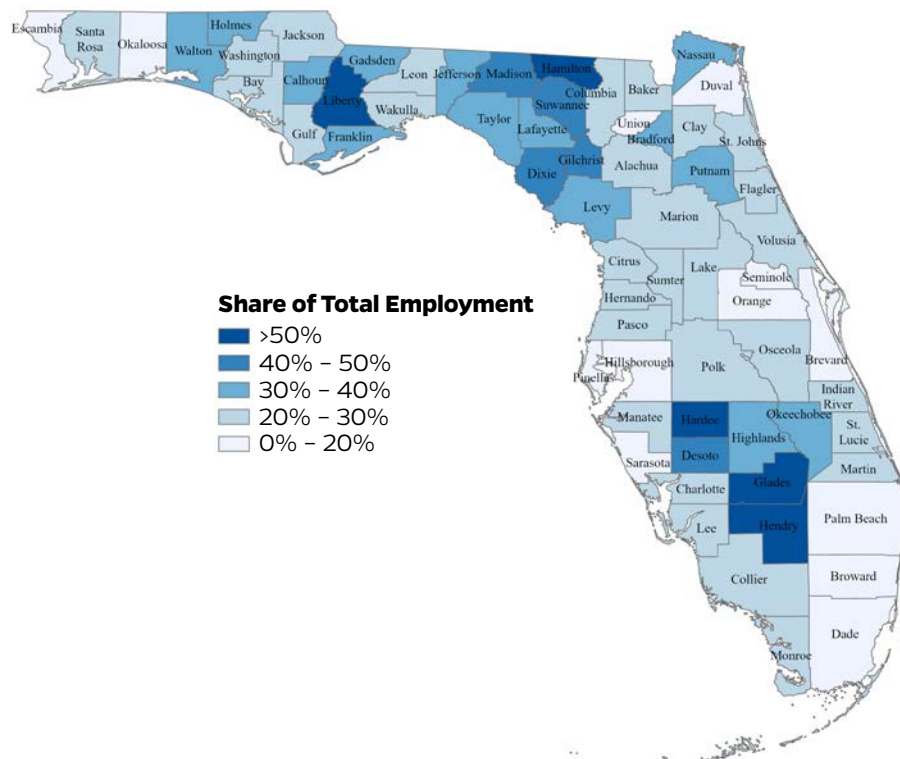


Figure 14. Map of total employment contributions by agriculture, natural resource, and food industries as a share of total employment in Florida counties in 2019. Estimates include regional multiplier effects.

Source: IMPLAN® data for Florida counties and ArcGIS software.

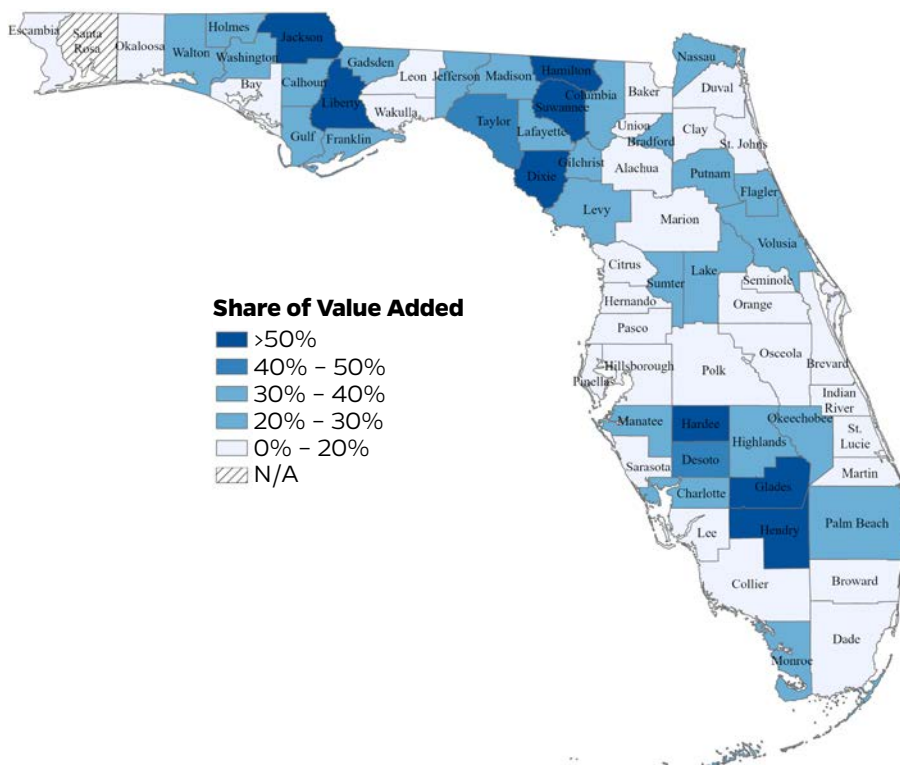


Figure 15. Map of total value added contributions by agriculture, natural resource, and food industries as a share of Gross Regional Product in Florida counties in 2019. Estimates include regional multiplier effects.

Source: IMPLAN® data for Florida counties and ArcGIS software.

Table 5. Florida county total employment and value added (GRP) and share contributed by agriculture, natural resource, and food industries in 2019.

County	Total County Employment (Jobs)	Total County Value Added (M\$)	Ag-Food Industry Employment Contributions (Jobs)	Share of County Employment	Ag-Food Industry Value Added Contributions (M\$)	Share of County Value Added
Alachua	178,790	16,057	38,894	21.8%	1,959	12.2%
Baker	9,604	640	2,175	22.6%	90	14.0%
Bay	109,769	8,742	25,523	23.3%	1,611	18.4%
Bradford	9,891	672	3,181	32.2%	206	30.7%
Brevard	308,184	27,479	54,620	17.7%	2,926	10.6%
Broward	1,259,739	113,318	192,746	15.3%	12,811	11.3%
Calhoun	4,222	281	1,300	30.8%	65	23.1%
Charlotte	72,825	5,167	15,953	21.9%	1,375	26.6%
Citrus	49,060	3,878	10,396	21.2%	513	13.2%
Clay	84,412	5,846	19,295	22.9%	931	15.9%
Collier	231,007	20,096	57,150	24.7%	3,843	19.1%
Columbia	35,705	2,329	8,686	24.3%	641	27.5%
DeSoto	14,282	948	6,968	48.8%	427	45.1%
Dixie	4,536	266	2,224	49.0%	134	50.3%
Duval	690,222	70,920	120,276	17.4%	7,686	10.8%
Escambia	199,422	16,625	38,752	19.4%	2,056	12.4%
Flagler	41,728	2,548	11,936	28.6%	595	23.4%
Franklin	5,218	395	1,843	35.3%	122	30.9%
Gadsden	18,704	1,298	5,648	30.2%	343	26.4%
Gilchrist	5,836	354	2,351	40.3%	131	37.0%
Glades	3,836	309	2,118	55.2%	167	53.9%
Gulf	5,689	416	1,388	24.4%	106	25.4%
Hamilton	4,499	390	2,618	58.2%	254	65.1%
Hardee	10,652	780	6,347	59.6%	394	50.6%
Hendry	20,368	1,201	12,568	61.7%	808	67.2%
Hernando	69,808	4,272	14,661	21.0%	679	15.9%
Highlands	38,127	2,532	11,489	30.1%	634	25.1%
Hillsborough	978,576	102,349	176,637	18.1%	11,942	11.7%
Holmes	6,625	328	2,216	33.4%	66	20.1%
Indian River	81,975	6,337	18,452	22.5%	1,076	17.0%
Jackson	21,121	1,416	6,236	29.5%	795	56.1%
Jefferson	5,068	343	1,834	36.2%	78	22.8%
Lafayette	2,098	164	740	35.3%	64	38.9%
Lake	147,994	9,963	38,824	26.2%	2,251	22.6%
Lee	392,476	32,597	86,644	22.1%	4,890	15.0%
Leon	199,499	16,565	40,800	20.5%	1,978	11.9%
Levy	14,741	891	4,843	32.9%	305	34.2%
Liberty	2,649	234	1,330	50.2%	153	65.6%

(Continued on next page)

Table 5 (continued). Florida county total employment and value added (GRP) and share contributed by agriculture, natural resource, and food industries in 2019.

County	Total County Employment (Jobs)	Total County Value Added (M\$)	Ag-Food Industry Employment Contributions (Jobs)	Share of County Employment	Ag-Food Industry Value Added Contributions (M\$)	Share of County Value Added
Madison	6,976	444	2,911	41.7%	170	38.3%
Manatee	196,000	15,065	56,471	28.8%	3,365	22.3%
Marion	152,889	10,451	37,501	24.5%	2,062	19.7%
Martin	100,666	7,622	23,119	23.0%	1,446	19.0%
Miami-Dade	1,878,753	171,535	294,791	15.7%	22,681	13.2%
Monroe	62,606	5,036	17,101	27.3%	1,224	24.3%
Nassau	36,606	2,806	13,072	35.7%	1,027	36.6%
Okaloosa	139,743	13,628	27,080	19.4%	1,507	11.1%
Okeechobee	16,255	1,137	5,927	36.5%	352	31.0%
Orange	1,168,981	104,236	221,346	18.9%	14,341	13.8%
Osceola	154,986	10,083	36,026	23.2%	1,989	19.7%
Palm Beach	973,771	87,264	194,490	20.0%	18,003	20.6%
Pasco	186,739	13,432	38,586	20.7%	2,134	15.9%
Pinellas	611,533	54,327	106,334	17.4%	6,127	11.3%
Polk	313,410	25,627	81,902	26.1%	4,432	17.3%
Putnam	24,143	2,043	8,433	34.9%	770	37.7%
Santa Rosa	65,542	5,160	16,276	24.8%	-3,597	-69.7%
Sarasota	257,392	20,540	49,975	19.4%	3,074	15.0%
Seminole	284,450	25,697	51,700	18.2%	3,165	12.3%
St. Johns	126,079	9,653	32,963	26.1%	1,842	19.1%
St. Lucie	129,920	9,174	27,122	20.9%	1,680	18.3%
Sumter	45,018	3,794	12,816	28.5%	1,191	31.4%
Suwannee	17,804	1,181	7,709	43.3%	640	54.2%
Taylor	8,411	630	3,271	38.9%	280	44.5%
Union	4,646	310	902	19.4%	33	10.8%
Volusia	255,155	17,996	67,383	26.4%	3,621	20.1%
Wakulla	10,017	651	2,533	25.3%	111	17.1%
Walton	45,024	3,364	14,184	31.5%	844	25.1%
Washington	9,825	549	2,653	27.0%	121	22.1%

TRENDS IN ECONOMIC CONTRIBUTIONS OVER TIME

In addition to the current economic contributions made to the State of Florida by agriculture, natural resource, and food industries in 2019, it is important to understand how these values have changed over time. Trends in the economic contributions for industry groups and agricultural commodity groups over the ten-year period between 2010 and 2019 are shown in Figures 16-22 and Table 6. All monetary values were adjusted for inflation to express in constant 2019 U.S. dollars. Note that trends might reflect changes in commodity prices, the structure of Florida's economy, and the business cycles of the national and global economies, as well as inherent growth and development in the industry.

Direct industry output (sales revenues) for all agriculture, natural resource, and food industry groups increased by 33.1 percent over the 2010-19 period, adjusted for inflation, representing an average annual rate of 3.7 percent (9 years of change). During the last year (2018-19) direct output increased 2.5 percent. Among individual agriculture industry groups, growth in direct output during 2010-19 was highest for Mining (77.6%) and Food and Kindred Products Distribution (48.6%). Increases were also seen in Forest Products Manufacturing (31.7%), Food and Kindred Products Manufacturing (20.2%), and Agricultural Inputs and Services (9.8%). Decreases were seen in all other sectors: Nature-based Recreation (Golf courses) (-5.3%) and Crop, Livestock, Forestry, and Fisheries Production (-9.1%), as shown in Figure 16. Total employment contributions by the agriculture, natural resource, and food industry increased by 689,612 jobs during 2010-19, representing an increase of 38.00 percent or 4.2 percent annually. Overall growth in employment contributions was positive for each sector, led by Food and Kindred Products Manufacturing (56.9%), Mining (45.8%), Food and Kindred Products Distribution

(43.8%), Forest Products Manufacturing (34.2%), Nature-based Recreation (Golf courses) (26.7%), Agricultural Inputs and Services (18.9%), and Crop, Livestock, Forestry, and Fisheries Production (5.9%), as shown in Figure 17. Overall, total value added contributions, in real terms, grew by 35.3 percent or 3.9 percent annually during 2010-19. Among industry groups, growth in total value added contributions was highest for Mining (56.8%), Food and Kindred Products Distribution (43.5%), Forest Products Manufacturing (35.9%), Agricultural Inputs and Services (30.1%), followed by Food and Kindred Products Manufacturing (18.7%), while it decreased in Crop, Livestock, Forestry, and Fisheries Production (-2.4%) and Nature-based Recreation (Golf courses) (-3.1%), as shown in Figure 18.

Among agricultural commodity groups, growth in direct industry output during 2010-19 was highest for Grain and oilseed farming and processing (123.2%), followed by Environmental horticulture (64.1%), Fishing and seafood products (31.6%), Sugarcane farming, refined sugar, and confections (24.7%), Forestry and forest products manufacturing (21.7%), and Livestock farming and animal production (15.7%), but was negative for Fruit and vegetable farming and processing (-28.7%), as shown in Figure 19. Growth in domestic and international exports of agricultural commodity groups during 2010-19 was led by Grain and oilseed farming and processing (317.2%) and Fishing and seafood products (139.9%), followed by Livestock farming and animal products manufacturing (85.6%), Sugarcane farming, refined sugar, and confections (48.5%), Forestry and forest products manufacturing (42.2%), and Environmental horticulture (40.3%), while Fruit and vegetable farming and processing declined (-21.4%), as shown in Figure 20. Increased exports represent new final demand to the



Florida economy, bringing in new dollars to be re-spent and support economic development. In terms of employment contributions, Grain and oilseed farming and processing showed the highest growth of (208.5%) during 2010-19, followed by Environmental horticulture (47.5%) and Forestry and forest products manufacturing (28.1%); however, decreases were seen for Livestock farming and animal production (-5.9%), Fishing and seafood products (-12.9%), Fruit and vegetable farming and processing (-22.6%), and Sugarcane farming, refined sugar, and confections (-42.2%), as shown in Figure 21. For value added contributions, there were large increases during 2010-19 for Grain and oilseed farming and processing (135.2%), Environmental horticulture (58.3%), and Fishing and seafood products (52.6%), followed by Forestry and forest products manufacturing (27.2%), Livestock farming and animal products manufacturing (19.0%), with a decrease in Fruit and vegetable farming and processing (-36.96), as shown in Figure 22.

Trends from 2010 to 2019 in direct employment and output by individual industry sectors are shown in Appendix B. Individual industries within the Crop, Livestock, Forestry, and Fisheries Production group with large increases in direct output were Grain farming (3,630%), All other crop farming (236.8%), Animal production, except cattle and

poultry and eggs (104.7%), Support activities for agriculture and forestry (37.9%), and Commercial fishing (22.8%). Agricultural Input and Services industry sectors with large growth were Lawn and garden equipment manufacturing (207%), Farm machine and equipment manufacturing (185%), and Landscape services (74.0%). Mining industry sectors with high growth were Support activities for other mining (2,194%), Support activities for oil and gas operations (277%), Mining and quarrying sand, gravel, clay, and ceramics (171%), Mining and quarrying stone (139%), and Drilling oil and gas wells (136%). Food and Kindred Product Manufacturing industry sectors with large growth were Wet corn milling (3,699%), Tortilla manufacturing (1,034%), Dog and cat food manufacturing (476%), Dry, condensed, and evaporated dairy product manufacturing (348%), Bread and bakery product manufacturing (134%), and Flavoring syrup and concentrate manufacturing (129%). Forest product manufacturing industry sectors with large growth were Reconstituted wood products manufacturing (797%), All other paper bag and coated treated paper manufacturing (423%), Engineered wood member and truss manufacturing (314%), and Wood container and pallet manufacturing (104%).

Table 6. Summary of economic contributions of agriculture, natural resource, and food industry groups in Florida, 2010-19.

Year	Direct Employment (Jobs)	Direct Output (M\$)	Foreign and Domestic Exports (M\$)	Total Employment Contributions (Jobs)	Total Output Contributions (M\$)	Total Value Added Contributions (M\$)
2010	1,292,201	137,177	36	1,814,625	216,786	118,110
2011	1,348,625	143,454	37	1,868,567	225,376	117,592
2012	1,409,708	154,424	42	1,935,444	236,830	125,471
2013	1,510,591	161,248	49	2,074,723	249,099	130,184
2014	1,565,147	168,089	52	2,134,322	260,872	134,049
2015	1,616,016	172,400	51	2,203,781	271,303	139,390
2016	1,682,699	175,756	51	2,294,272	279,439	145,719
2017	1,698,548	171,530	38	2,296,521	272,379	145,163
2018	1,716,430	178,209	40	2,417,059	301,585	152,242
2019	1,750,219	182,618	42	2,504,237	316,020	159,740
Change 2010-19	458,017	45,440	5	689,612	99,233	41,630
Percent Change 2010-19	35.44%	33.13%	14.78%	38.00%	45.77%	35.25%
Average Annual Growth	3.94%	3.68%	1.64%	4.22%	5.09%	3.92%
Percent Change 2018-2019	1.97%	2.47%	4.95%	3.61%	4.79%	4.92%

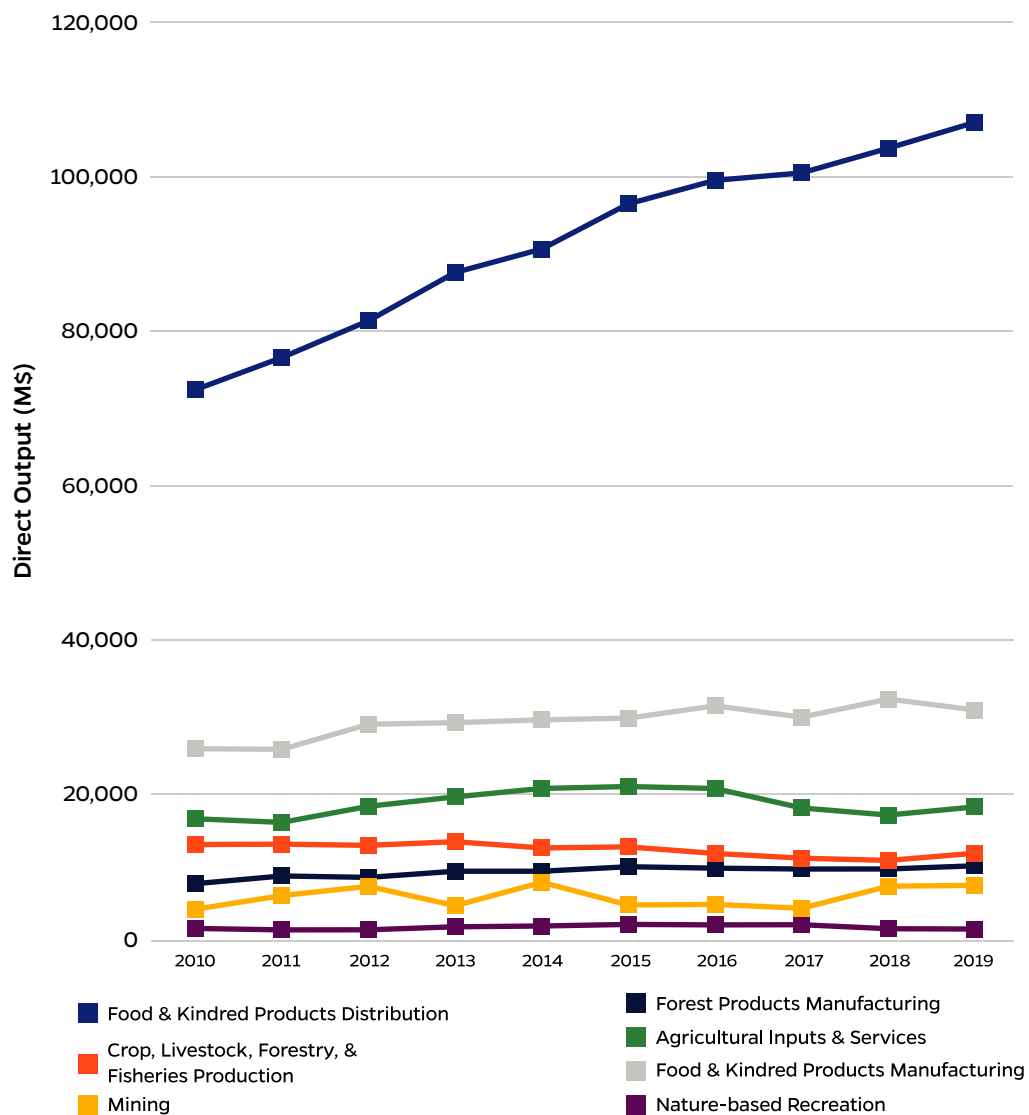


Figure 16. Trends in direct industry output by agriculture, natural resource, and food industry groups in Florida, 2010-19. Values are expressed in 2019 dollars.
Source: IMPLAN® data for Florida.



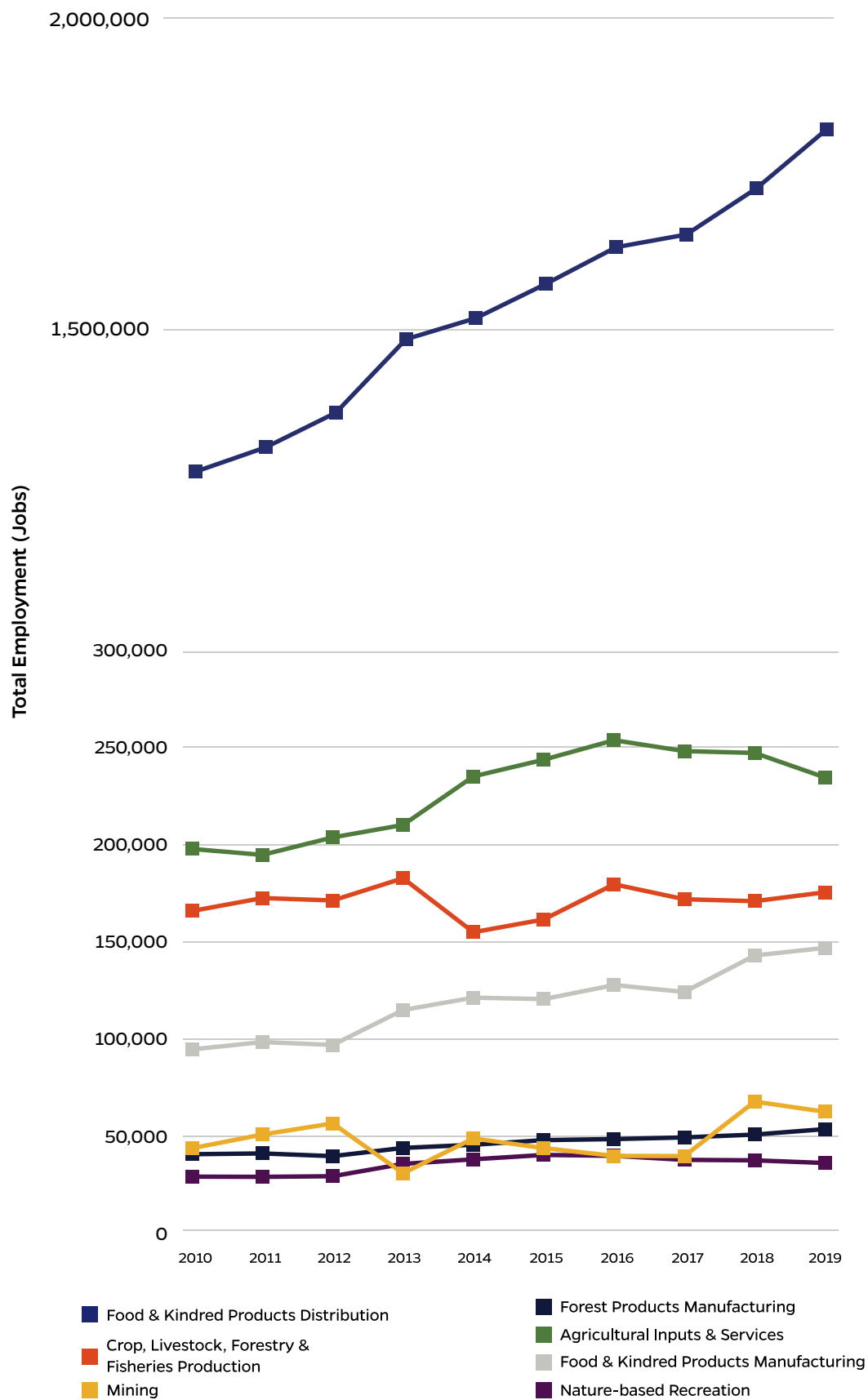


Figure 17. Trends in total employment contributions by agriculture, natural resource, and food industry groups in Florida, 2010-19. Estimates include regional multiplier effects.
Source: IMPLAN® data for Florida.

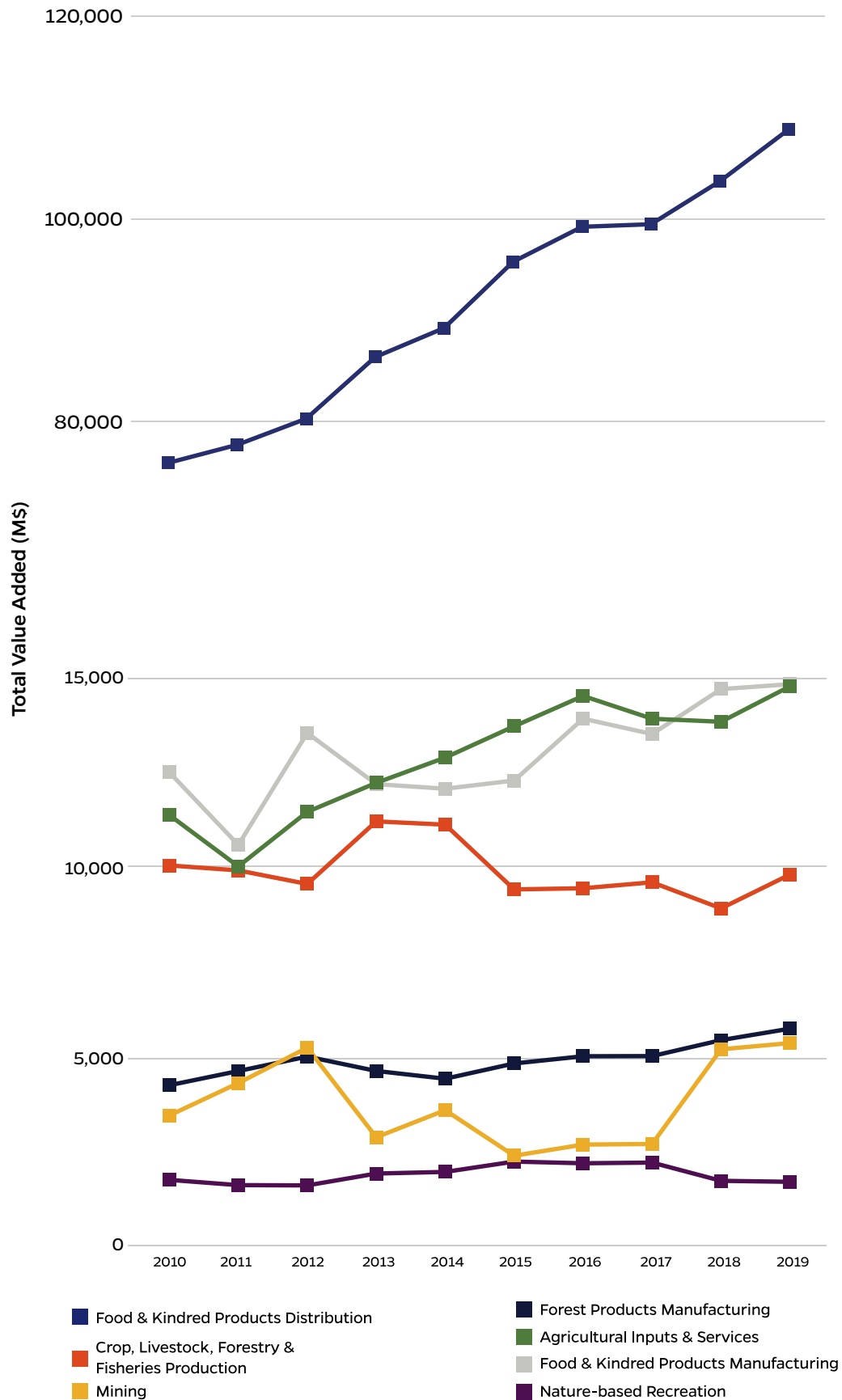


Figure 18. Trends in total value added (GSP) contributions by agriculture, natural resource, and food industry groups in Florida, 2010-19. Values are expressed in 2018 dollars. Estimates include regional multiplier effects.
Source: IMPLAN® data for Florida.



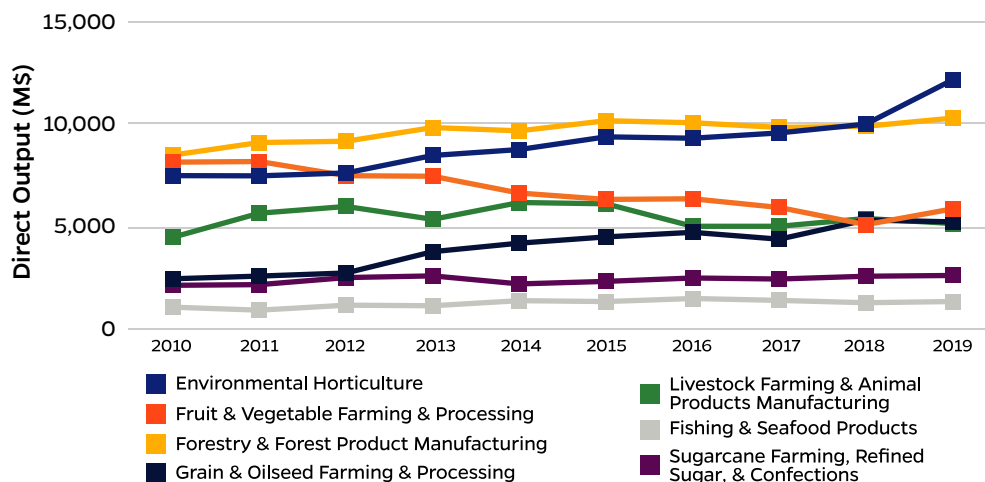


Figure 19. Trends in direct output by agricultural commodity groups in Florida, 2010-19. Values are expressed in 2019 dollars. Estimates include regional multiplier effects. Source: IMPLAN® data for Florida.

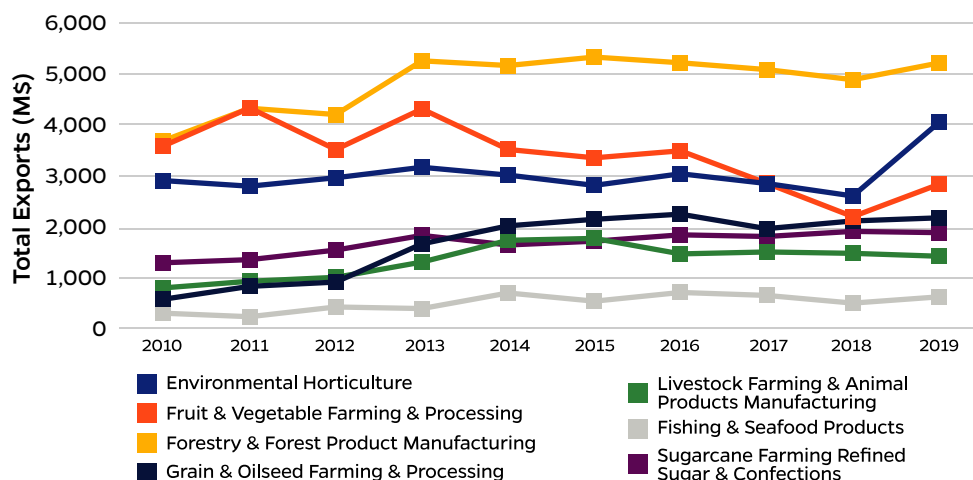


Figure 20. Trends in international and domestic exports by agricultural commodity group in Florida, 2010-19. Values are expressed in 2019 dollars. Source: IMPLAN® data for Florida.

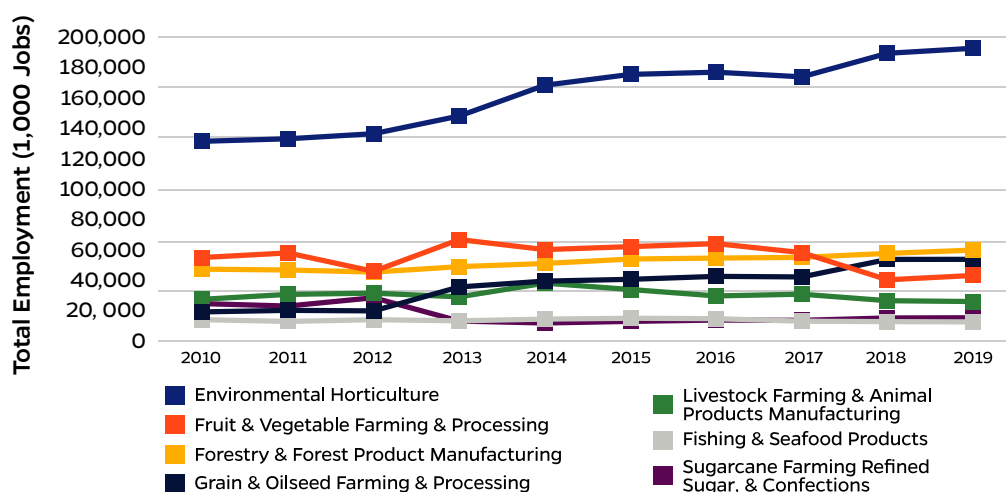


Figure 21. Trends in total employment contributions by agricultural commodity group in Florida, 2010-19. Estimates include regional multiplier effects. Source: IMPLAN® data for Florida.

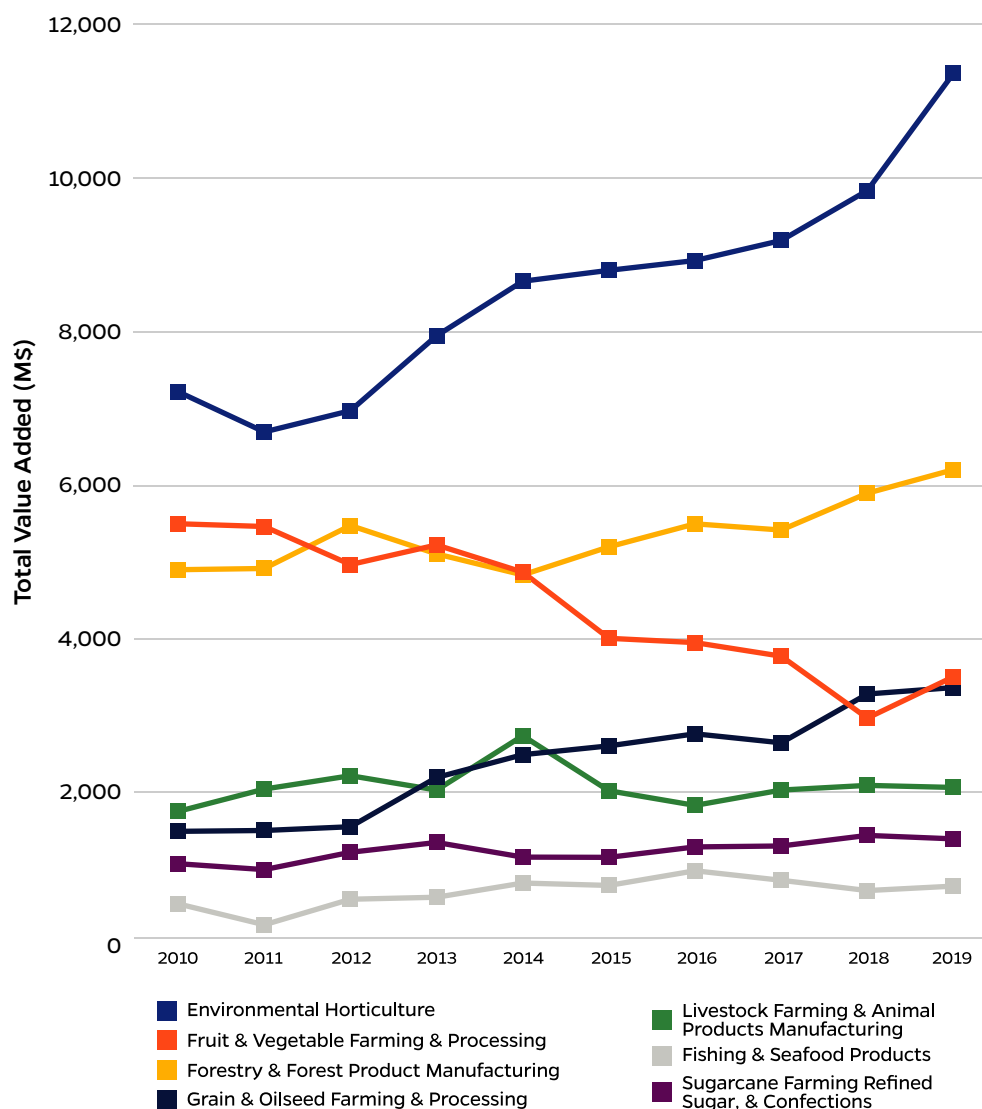


Figure 22. Trends in total value added contributions by agricultural commodity group in Florida, 2010-19. Values are expressed in 2018 dollars. Estimates include regional multiplier effects.

Source: IMPLAN® data for Florida.



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APPENDIX A

Glossary of Economic Impact Terms

Contribution (economic) represents the gross change in economic activity associated with an industry, event, or policy in an existing regional economy.

Employee Compensation is comprised of wages, salaries, commissions, and benefits such as health and life insurance, retirement, and other forms of cash or non-cash compensation.

Employment is a measure of the number of jobs involved, including fulltime, part-time, and seasonal positions. It is not a measure of fulltime equivalents (FTE).

Exports are sales of goods to customers outside the region in which they are produced, which represents a net inflow of money to the region. This also applies to sales of goods and services to customers visiting from other regions.

Final Demand represents sales to final consumers, including households, governments, and exports from the region.

Gross Regional Product is a measure of total economic activity in a region, or total income generated by all goods and services. It equals the total value added by all industries in that region and is equivalent to Gross Domestic Product for the nation.

IMPLAN® is a computer-based input-output modeling system that enables users to create regional economic models and multipliers for any region consisting of one or more counties or states in the United States. The current version of the IMPLAN® software, version 3, accounts for commodity production and consumption for 540 industry sectors, 10 household income levels, taxes to local/state and federal governments, capital investment, imports and exports, transfer payments, and business inventories. Regional datasets for individual counties or states are purchased separately. The IMPLAN® software and regional data are licensed by IMPLAN Group, LLC, Huntersville, NC.

Imports are purchases of goods and services originating outside the region of analysis.

Income is the money earned within the region from production and sales.

Total Income includes labor incomes such as wages, salaries, employee benefits, and business proprietor income, plus other property income.

Taxes on Production and Imports are taxes paid to governments by individuals or businesses for property, excise, and sales taxes, but do not include income taxes.

Input-Output (I-O) Model and Social Accounting Matrix (SAM) is a representation of the transactions between industry sectors within a regional economy that captures what each sector purchases from every other sector to produce its output of goods or services. Using such a model, flows of economic activity associated with any change in spending or employment can be traced backwards through the supply chain.

Local refers to goods and services that are sourced from within the region, which can be defined as a county, multi-county cluster, or state.

Non-local refers to economic activity originating outside the region.

Margins represent the portion of the purchaser price accruing to the retailer, wholesaler, and producer/manufacturer in the supply chain. Typically, only the retail margins of many goods purchased by consumers accrue to the local region, as the wholesaler, shipper, and manufacturer often lie outside the local area.

Multipliers capture the total effects, both direct and secondary, in a given region, generally as a ratio of the total change in economic activity in the region relative to the direct change. Multipliers are derived from an I-O model of the regional economy. Multipliers can be expressed as ratios of sales, income, or employment, or as ratios of total income or employment changes relative to direct sales. Multipliers express the degree of interdependency between sectors in a region's economy and therefore vary considerably across regions and sectors. A **sector-specific multiplier** gives the total changes to the economy associated with a unit change in output or employment in a given sector (i.e., the direct or initial economic effect) being evaluated.

Indirect effects multipliers represent the changes in sales, income, or employment within the region in backward-linked industries supplying goods and services to businesses (e.g., increased sales in input supply firms resulting from more industry sales). **Induced effects multipliers** represent the increased sales within the region from household spending of the income earned in the direct and supporting industries for housing, utilities, food, etc. An **imputed multiplier** is calculated as the ratio of the total impact divided by direct effect for any given measure (e.g., output, employment).

Other Property Income represents income received from investments such as corporate dividends, royalties, property rentals, or interest on loans.

Output is the dollar value of a good or service produced or sold and is equivalent to sales revenues plus changes in business inventories.

Producer Prices are the prices paid for goods at the factory or point of production. For manufactured goods, the purchaser price equals the producer price plus a retail margin, a wholesale margin, and a transportation margin. For services, the producer and purchaser prices are equivalent.

Proprietor Income is income received by non-incorporated private business owners or self-employed individuals.

Purchaser Prices are the prices paid by the final consumer of a good or service.



Region or Regional Economy is the geographic area and the economic activity it contains for which contributions are estimated. It can consist of an individual county, an aggregation of several counties, a state, or aggregation of states. These aggregations are sometimes defined on the basis of worker commuting patterns.

Sector is an individual industry or group of industries that produce similar products or services or have similar production processes. Sectors are classified according to the North American Industrial Classification System (NAICS).

Value Added is a broad measure of income, representing the sum of employee compensation, proprietor income, other property income, indirect business taxes and capital consumption (depreciation). Value added is a commonly used measure of the contribution of an industry to a regional economy because it avoids double counting of intermediate sales.

APPENDIX B1

Sector	Direct Employment (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Crop, Livestock, Forestry & Fisheries Production	125,331	134,575	133,894	150,764	126,715	130,327	144,130	141,382	137,790	140,207	14,876	11.87%	1.32%
Oilseed farming	90	83	119	38	31	20	24	10	5	4	-85	-95.0%	-10.6%
Grain farming	26	48	81	381	184	216	189	207	232	171	145	554.0%	61.6%
Vegetable and melon farming	10,723	10,495	8,736	10,546	10,037	9,258	10,563	10,166	9,292	8,124	-2,599	-24.2%	-2.7%
Fruit farming	13,230	17,973	10,964	33,144	28,057	30,309	29,817	27,579	11,865	13,397	167	1.3%	0.1%
Tree nut farming	103	135	22	178	102	16	205	198	182	90	-14	-13.1%	-1.5%
Greenhouse, nursery, and floriculture production	15,626	15,966	14,655	15,859	18,394	19,502	15,465	14,946	19,072	19,144	3,518	22.5%	2.5%
Tobacco farming	67	144	0	16	17	13	12	14	43	33	-34	-50.3%	-5.6%
Cotton farming	254	450	519	395	442	275	406	311	415	447	193	75.8%	8.4%
Sugarcane and sugar beet farming	15,240	13,988	18,732	4,056	2,867	3,192	3,296	3,461	3,907	3,767	-11,472	-75.3%	-8.4%
All other crop farming	1,208	1,449	1,509	8,400	4,046	10,473	10,169	10,081	26,581	28,655	27,447	2271.8%	252.4%
Beef cattle ranching and farming, including feed-lots and dual-purpose ranching and farming	4,251	4,101	5,530	8,259	12,779	9,288	7,061	7,214	3,589	2,856	-1,395	-32.8%	-3.6%
Dairy cattle and milk production	3,349	4,214	3,855	1,896	2,228	2,269	1,529	1,644	981	866	-2,483	-74.1%	-8.2%
Poultry and egg production	605	744	762	815	1,049	1,160	674	718	667	421	-184	-30.4%	-3.4%
Animal production, except cattle and poultry and eggs	2,680	2,797	3,014	1,740	5,450	3,920	3,416	4,891	2,037	1,727	-953	-35.5%	-3.9%
Forestry, forest products, and timber tract production	1,770	1,502	1,259	1,383	1,338	1,510	1,428	1,516	1,761	1,385	-384	-21.7%	-2.4%
Commercial logging	2,965	2,750	2,676	2,820	3,326	3,492	3,289	3,335	3,767	3,529	564	19.0%	2.1%
Commercial fishing	7,364	6,445	7,170	6,337	6,979	8,062	8,048	6,339	6,366	6,135	-1,229	-16.7%	-1.9%
Commercial hunting and trapping	1,048	1,149	1,091	1,074	441	566	559	462	464	725	-323	-30.8%	-3.4%
Support activities for agriculture and forestry	44,732	50,142	53,199	53,426	28,946	26,786	47,980	48,290	46,563	48,729	3,997	8.9%	1.0%
Mining	24,581	20,226	25,566	19,625	27,156	28,874	25,907	26,981	28,052	21,340	-3,241	-13.19%	-1.47%
Oil and gas extraction	19,921	15,057	20,191	12,847	17,264	19,548	17,181	18,078	15,301	10,671	-9,250	-46.4%	-5.2%
Coal mining	54	24	2	16	578	356	302	334	358	1	-53	-98.1%	-10.9%
Iron ore mining	0	0	100	19	166	126	75	79	64	6	6	--	--
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0	0	--	--
Mining gold, silver, and other metal ore	91	139	117	166	458	414	317	294	344	574	484	534.2%	59.4%
Mining and quarrying stone	996	1,064	1,023	1,050	1,457	1,392	1,477	1,480	1,592	1,771	775	77.9%	8.7%
Mining and quarrying sand, gravel, clay, and ceramic mining	891	1,118	1,197	1,134	1,828	1,663	1,559	1,666	1,732	1,184	293	32.8%	3.6%
Mining and quarrying other nonmetallic minerals	1,654	1,895	1,964	1,663	1,625	1,459	1,471	1,261	1,173	1,495	-159	-9.6%	-1.1%
Drilling oil and gas wells	487	344	276	1,826	2,458	2,708	2,376	2,535	1,561	1,226	739	151.6%	16.8%

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Sector	Direct Employment (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Support activities for oil and gas operations	378	453	492	626	1,103	1,012	938	990	2,347	1,842	1,464	386.9%	43.0%
Support activities for other mining	109	131	205	278	218	196	210	266	3,580	2,570	2,461	2252.3%	250.3%
Food & Kindred Products Manufacturing	37,728	40,203	41,218	55,467	59,504	59,323	61,797	62,304	76,146	78,156	40,429	107.16%	11.91%
Dog and cat food manufacturing	18	41	50	46	100	166	167	181	191	169	151	845.3%	93.9%
Other animal food manufacturing	602	594	520	590	771	722	706	661	1,256	1,274	671	111.5%	12.4%
Flour milling and malt manufacturing	215	197	194	209	196	236	263	230	207	241	27	12.4%	1.4%
Wet corn milling	1	1	3	0	8	11	6	3	2	41	41	7102.0%	789.1%
Soybean and other oilseed processing	12	4	3	4	15	11	42	10	44	32	20	161.1%	17.9%
Fats and oils refining and blending	36	42	46	53	63	70	34	52	46	8	-28	-76.7%	-8.5%
Breakfast cereal manufacturing	0	0	0	5	0	0	12	35	15	21	21	--	--
Sugar cane mills and refining	894	973	974	1,021	947	1,091	1,172	1,069	1,253	1,451	557	62.4%	6.9%
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0	0	--	--
Chocolate and confectionery manufacturing from cacao beans	129	125	113	91	141	170	180	151	159	144	15	12.0%	1.3%
Confectionery manufacturing from purchased chocolate	414	497	518	408	439	382	381	373	370	326	-88	-21.2%	-2.4%
Nonchocolate confectionery manufacturing	296	350	389	439	498	504	613	598	558	617	321	108.5%	12.1%
Frozen food manufacturing	3,035	3,009	2,990	3,110	3,108	2,948	2,704	2,576	2,581	2,753	-282	-9.3%	-1.0%
Fruit and vegetable canning, pickling, and drying	3,225	3,393	3,389	3,699	3,465	3,284	3,479	3,579	3,585	4,302	1,076	33.4%	3.7%
Fluid milk and butter manufacturing	1,651	1,745	1,570	1,608	1,461	1,474	1,465	1,480	149	1,879	228	13.8%	1.5%
Cheese manufacturing	18	34	22	24	57	38	67	67	1,621	40	21	115.0%	12.8%
Dry, condensed, and evaporated dairy product manufacturing	6	8	26	39	26	28	38	43	12	33	26	410.9%	45.7%
Ice cream and frozen dessert manufacturing	751	918	936	866	992	852	902	917	926	12,885	12,134	1615.2%	179.5%
Animal, except poultry, slaughtering, rendering, and meat byproduct processing	1,465	1,609	1,653	1,756	1,785	1,705	1,771	1,753	14,014	3,040	1,576	107.6%	12.0%
Poultry processing	1,544	1,740	1,776	1,817	1,613	1,621	1,525	1,455	1,314	1,480	-63	-4.1%	-0.5%
Seafood product preparation and packaging	1,376	1,419	1,597	1,679	2,112	1,998	2,044	1,995	607	1,917	540	39.3%	4.4%
Bread and bakery product manufacturing	6,571	7,295	7,430	20,232	22,671	23,279	23,705	23,648	24,220	21,740	15,169	230.9%	25.7%
Cookie and cracker manufacturing	992	1,030	1,151	1,306	1,498	1,561	1,676	1,663	1,296	1,380	388	39.1%	4.3%
Tortilla manufacturing	55	171	147	129	131	141	350	460	559	702	647	1170.1%	130.0%
Snack food manufacturing	661	702	872	837	933	898	868	866	2,055	2,263	1,602	242.2%	26.9%

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Sector	Direct Employment (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Coffee and tea manufacturing	666	679	725	765	1,100	1,067	819	822	860	788	122	18.3%	2.0%
Flavoring syrup and concentrate manufacturing	132	157	123	92	151	145	186	335	350	359	227	171.8%	19.1%
Seasoning and dressing manufacturing	1,276	1,321	1,263	1,303	1,438	1,419	1,570	1,694	1,830	2,112	836	65.6%	7.3%
All other food manufacturing	2,416	2,651	2,677	3,312	3,382	3,367	3,553	3,426	3,530	3,456	1,041	43.1%	4.8%
Soft drink and ice manufacturing	6,379	6,626	7,034	6,900	6,985	6,338	7,358	7,643	7,654	7,598	1,218	19.1%	2.1%
Breweries	773	760	889	1,014	1,348	1,669	2,066	2,543	2,866	3,007	2,233	288.9%	32.1%
Wineries	206	147	116	143	363	438	451	461	486	437	231	112.5%	12.5%
Distilleries	342	323	445	453	440	515	544	471	518	581	239	69.9%	7.8%
Tobacco product manufacturing	1,569	1,643	1,577	1,517	1,268	1,174	1,081	1,045	1,012	1,080	-489	-31.2%	-3.5%
Forest Products Manufacturing	17,885	18,437	18,603	19,961	21,168	22,239	22,403	22,705	23,293	22,937	5,052	28.25%	3.14%
Sawmills and wood preservation	1,925	2,036	2,105	2,144	2,213	2,620	2,765	2,776	2,850	2,492	567	29.4%	3.3%
Veneer and plywood manufacturing	1,032	982	539	430	371	447	505	528	510	571	-461	-44.7%	-5.0%
Engineered wood member and truss manufacturing	1,692	1,449	1,629	2,917	3,325	3,464	3,750	4,111	4,509	4,675	2,983	176.3%	19.6%
Reconstituted wood product manufacturing	121	184	129	122	121	130	177	200	208	396	275	226.4%	25.2%
Wood windows and doors and millwork manufacturing	2,437	2,569	2,530	1,119	1,302	1,474	1,468	1,566	1,638	3,351	914	37.5%	4.2%
Wood container and pallet manufacturing	1,080	1,545	1,780	1,769	1,783	1,971	1,963	1,831	1,810	1,730	650	60.1%	6.7%
All other miscellaneous wood product manufacturing	591	607	604	718	995	1,080	1,016	1,143	1,182	865	274	46.4%	5.2%
Pulp mills	653	802	781	830	779	861	823	784	713	266	-387	-59.3%	-6.6%
Paper mills	1,185	1,115	1,223	1,168	1,179	1,090	1,155	1,145	1,144	1,375	189	16.0%	1.8%
Paperboard mills	880	752	808	760	747	731	671	674	700	1,400	521	59.2%	6.6%
Paperboard container manufacturing	2,874	2,886	2,853	2,885	2,933	2,992	2,964	2,855	2,770	2,768	-106	-3.7%	-0.4%
Coated and laminated paper and packaging paper	419	401	464	752	826	822	807	706	642	0	-419	-100.0%	-11.1%
All other paper bag, coated, and treated paper manufacturing	190	249	290	1,468	1,709	1,783	1,830	1,789	1,960	692	502	263.5%	29.3%
Stationery product manufacturing	832	869	807	825	790	710	427	415	411	382	-450	-54.1%	-6.0%
Sanitary paper product manufacturing	1,610	1,752	1,821	1,817	1,844	1,798	1,791	1,854	1,931	1,598	-12	-0.7%	-0.1%
All other converted paper product manufacturing	362	239	240	237	251	266	290	329	314	375	13	3.6%	0.4%
Agricultural Inputs & Services	129,351	137,955	144,219	151,524	174,949	180,289	187,630	185,105	186,152	181,810	52,459	40.56%	4.51%
Fertilizer manufacturing	4,841	4,916	4,903	5,488	4,748	4,445	4,584	5,016	4,623	4,467	-374	-7.7%	-0.9%
Pesticide and other agricultural chemical manufacturing	95	81	199	180	212	240	210	188	209	130	35	36.4%	4.0%

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Sector	Direct Employment (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Farm machinery and equipment manufacturing	215	225	282	327	372	399	428	446	685	635	420	195.2%	21.7%
Lawn and garden equipment manufacturing	111	110	107	154	248	386	401	375	375	273	162	146.1%	16.2%
Veterinary services	25,911	26,431	28,178	30,057	23,184	24,028	24,995	26,071	19,970	23,655	-2,256	-8.7%	-1.0%
Landscape services	79,348	86,163	89,845	21,829	36,736	38,892	41,241	39,704	41,258	0	-79,348	-100.0%	-11.1%
Services to buildings and dwellings	18,829	20,028	20,704	93,490	109,448	111,899	115,771	113,304	119,030	152,650	133,820	710.7%	79.0%
Food & Kindred Products Distribution	938,340	977,612	1,026,091	1,089,354	1,129,592	1,167,130	1,213,129	1,234,403	1,238,570	1,279,638	341,298	36.37%	4.04%
Wholesale trade businesses	71,717	71,812	74,054	77,589	79,604	81,941	87,557	91,564	84,319	89,102	17,385	24.2%	2.7%
Retail Stores - Building material and garden supplies stores	4,982	5,541	5,585	186,064	194,860	201,194	204,237	204,894	201,221	6,715	1,734	34.8%	3.9%
Retail Stores - Food and beverage	194,694	199,728	203,137	6,163	6,545	6,713	6,769	6,937	6,561	204,562	9,868	5.1%	0.6%
Food services and drinking places	666,947	700,531	743,316	819,538	848,583	877,282	914,566	931,009	946,470	979,259	312,312	46.8%	5.2%
Nature-based Recreation - Golf courses	18,986	19,617	20,117	23,895	26,064	27,833	27,704	25,668	26,428	26,131	7,145	37.63%	4.18%
Other amusement and recreation industries	18,986	19,617	20,117	23,895	26,064	27,833	27,704	25,668	26,428	26,131	7,145	37.63%	4.18%
Total	1,292,201	1,348,625	1,409,708	1,510,591	1,565,147	1,616,016	1,682,699	1,698,548	1,716,430	1,750,219	458,017	35.44%	3.94%



APPENDIX B2

Sector	Direct Industry Output (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Crop, Livestock, Forestry & Fisheries Production	12,399	12,447	12,298	12,768	11,960	12,100	11,248	10,633	10,342	11,276	-1,123	-9.1%	-1.0%
Oilseed farming	8	7	10	16	14	10	10	4	4	4	-4	-53.1%	-5.9%
Grain farming	2	3	4	83	41	53	40	44	63	56	54	3630.3%	403.4%
Vegetable and melon farming	2,270	2,202	1,880	1,725	1,580	1,422	1,575	1,508	1,145	1,206	-1,026	-46.0%	-5.1%
Fruit farming	2,315	2,529	2,194	2,262	1,799	1,897	1,736	1,555	1,062	1,324	-953	-41.9%	-4.7%
Tree nut farming	9	13	2	24	10	2	18	17	7	9	-1	-7.5%	-0.8%
Greenhouse, nursery, and floriculture production	2,186	2,226	2,105	1,992	2,174	2,147	1,738	1,689	2,093	2,461	311	14.5%	1.6%
Tobacco farming	5	11	0	2	2	1	1	2	4	3	-1	-27.1%	-3.0%
Cotton farming	58	95	108	96	90	56	79	59	50	59	2	3.6%	0.4%
Sugarcane and sugar beet farming	634	579	759	784	540	602	628	656	611	569	-55	-8.8%	-1.0%
All other crop farming	275	305	321	303	153	425	326	335	750	912	641	236.8%	26.3%
Beef cattle ranching and farming, including feed-lots and dual-purpose ranching and farming	585	558	751	741	1,127	926	583	608	520	478	-98	-17.0%	-1.9%
Dairy cattle and milk production	524	624	584	628	762	757	521	559	482	514	-2	-0.4%	0.0%
Poultry and egg production	355	417	410	451	546	603	337	355	402	297	-52	-15.0%	-1.7%
Animal production, except cattle and poultry and eggs	118	116	120	128	381	316	231	333	244	239	122	104.7%	11.6%
Forestry, forest products, and timber tract production	633	256	572	391	153	161	173	155	135	118	-505	-81.0%	-9.0%
Commercial logging	337	327	256	309	386	288	363	259	334	336	4	1.3%	0.1%
Commercial fishing	319	129	327	345	485	336	557	424	340	385	71	22.8%	2.5%
Commercial hunting and trapping	195	53	268	107	76	76	70	76	80	178	-14	-7.3%	-0.8%
Support activities for agriculture and forestry	1,570	1,998	1,627	2,380	1,641	2,022	2,263	1,995	2,018	2,130	586	37.9%	4.2%
Mining	4,007	5,790	6,985	4,471	7,506	4,565	4,640	4,139	6,996	7,116	2,979	74.4%	8.3%
Oil and gas extraction	2,539	3,972	5,138	1,732	3,830	1,860	1,498	1,624	3,595	3,630	1,133	45.4%	5.0%
Coal mining	24	10	1	16	330	188	148	152	78	0	-23	-98.7%	-11.0%
Iron ore mining	0	0	157	21	75	48	21	27	18	8	8	--	--
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0	0	--	--
Mining gold, silver, and other metal ore	111	77	84	238	503	328	274	314	146	202	-102	-94.1%	-10.5%
Mining and quarrying stone	408	465	340	654	484	427	460	540	785	959	557	139.0%	15.4%
Mining and quarrying sand, gravel, clay, and ceramic mining	168	266	226	679	545	415	464	458	368	372	282	170.5%	18.9%
Mining and quarrying other nonmetallic minerals	534	694	704	740	1,069	853	1,374	717	351	595	-7	-1.3%	-0.1%
Drilling oil and gas wells	116	179	155	285	519	304	299	186	381	270	155	136.0%	15.1%

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Sector	Direct Industry Output (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Support activities for oil and gas operations	71	84	111	76	124	116	76	97	438	263	193	277.0%	30.8%
Support activities for other mining	36	45	70	30	27	28	25	24	836	818	782	2193.7%	243.7%
Food & Kindred Products Manufacturing	24,823	24,748	27,989	28,202	28,568	28,788	30,379	28,914	31,262	29,839	5,016	20.2%	2.2%
Dog and cat food manufacturing	26	56	61	57	124	222	226	223	239	148	123	476.3%	52.9%
Other animal food manufacturing	828	724	771	910	1,129	1,026	919	811	1,316	1,295	481	59.2%	6.6%
Flour milling and malt manufacturing	335	293	296	346	321	364	326	268	234	227	-103	-31.2%	-3.5%
Wet corn milling	2	4	10	1	22	24	10	5	3	62	60	3699.2%	411.0%
Soybean and other oilseed processing	60	9	8	22	82	62	197	46	196	131	72	122.0%	13.6%
Fats and oils refining and blending	69	191	219	115	131	140	59	83	72	12	-56	-82.9%	-9.2%
Breakfast cereal manufacturing	0	0	0	9	0	0	10	25	12	14	14	--	--
Sugar cane mills and refining	956	967	1,102	1,240	1,060	1,096	1,195	1,147	1,335	1,447	507	54.0%	6.0%
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0	0	--	--
Chocolate and confectionery manufacturing from cacao beans	88	105	98	65	90	116	111	97	101	65	-22	-25.5%	-2.8%
Confectionery manufacturing from purchased chocolate	145	176	179	131	136	122	130	122	121	100	-43	-30.1%	-3.3%
Nonchocolate confectionery manufacturing	115	144	177	179	182	193	231	222	214	237	124	110.0%	12.2%
Frozen food manufacturing	1,245	1,177	1,182	1,405	1,415	1,346	1,244	1,134	1,151	1,215	-9	-0.8%	-0.1%
Fruit and vegetable canning, pickling, and drying	2,122	2,073	2,034	2,146	1,981	1,817	1,962	1,891	1,877	2,215	128	6.2%	0.7%
Fluid milk and butter manufacturing	1,153	2,059	2,076	1,308	1,202	1,317	1,200	1,101	167	1,230	96	8.4%	0.9%
Cheese manufacturing	16	32	23	24	58	45	68	65	1,181	35	19	123.1%	13.7%
Dry, condensed, and evaporated dairy product manufacturing	8	7	28	61	44	49	54	58	21	35	27	348.8%	38.8%
Ice cream and frozen dessert manufacturing	352	375	372	331	374	338	345	356	364	1,305	-49	-14.2%	-1.6%
Animal, except poultry, slaughtering, rendering, and meat byproduct processing	757	551	589	986	991	1,067	1,005	946	1,894	1,428	683	91.8%	10.2%
Poultry processing	416	721	835	501	495	501	474	440	690	404	-5	-1.3%	-0.1%
Seafood product preparation and packaging	552	595	640	595	703	809	736	777	238	761	218	40.1%	4.5%
Bread and bakery product manufacturing	1,257	1,347	1,423	2,431	2,805	2,992	3,132	3,016	3,671	2,895	1,658	134.1%	14.9%
Cookie and cracker manufacturing	510	495	537	529	553	627	667	598	493	478	-23	-4.6%	-0.5%
Tortilla manufacturing	13	39	33	28	27	29	74	99	121	150	137	1034.2%	114.9%
Snack food manufacturing	550	571	681	657	660	621	593	525	991	1,050	509	94.0%	10.4%

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Sector	Direct Industry Output (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Coffee and tea manufacturing	532	625	698	629	663	642	565	505	525	476	-48	-9.1%	-1.0%
Flavoring syrup and concentrate manufacturing	239	321	339	228	344	268	432	892	934	539	304	129.4%	14.4%
Seasoning and dressing manufacturing	818	817	812	818	846	836	922	983	1,032	1,161	357	44.3%	4.9%
All other food manufacturing	880	951	937	1,180	1,128	1,202	1,227	1,166	1,197	1,249	384	44.3%	4.9%
Soft drink and ice manufacturing	5,345	5,405	5,785	5,768	5,548	4,948	6,125	5,415	5,489	4,210	-1,048	-19.9%	-2.2%
Breweries	1,085	974	986	1,074	1,302	1,536	1,268	1,260	1,364	1,110	43	4.1%	0.5%
Wineries	90	60	44	48	103	135	145	151	163	132	43	48.0%	5.3%
Distilleries	356	358	585	613	505	605	691	477	520	500	149	42.5%	4.7%
Tobacco product manufacturing	3,901	2,527	4,428	3,768	3,546	3,696	4,034	4,009	3,337	3,523	-314	-8.2%	-0.9%
Forest Products Manufacturing	7,326	8,327	8,143	8,940	8,940	9,526	9,337	9,231	9,233	9,645	2,319	31.7%	3.5%
Sawmills and wood preservation	479	603	591	733	772	888	881	959	909	842	370	78.5%	8.7%
Veneer and plywood manufacturing	201	317	150	119	113	136	163	180	144	165	-33	-16.8%	-1.9%
Engineered wood member and truss manufacturing	270	404	364	531	646	789	818	912	978	1,101	835	314.2%	34.9%
Reconstituted wood product manufacturing	31	45	27	73	72	64	102	141	167	277	246	797.4%	88.6%
Wood windows and doors and millwork manufacturing	433	504	490	252	289	340	326	356	359	754	-86	-20.2%	-2.2%
Wood container and pallet manufacturing	151	243	242	280	258	294	311	281	270	302	154	103.9%	11.5%
All other miscellaneous wood product manufacturing	111	140	121	192	204	208	187	207	204	189	80	73.1%	8.1%
Pulp mills	561	705	747	822	581	719	652	576	530	192	-360	-65.3%	-7.3%
Paper mills	1,006	1,024	1,084	1,030	1,030	988	1,026	985	998	1,094	105	10.6%	1.2%
Paperboard mills	749	726	777	712	701	710	633	634	657	1,334	598	81.2%	9.0%
Paperboard container manufacturing	1,240	1,327	1,301	1,355	1,423	1,508	1,480	1,428	1,409	1,440	221	18.1%	2.0%
Coated and laminated paper and packaging paper	203	183	207	369	405	430	407	329	302	0	134	67.3%	7.5%
All other paper bag, coated, and treated paper manufacturing	80	89	105	337	356	406	401	375	395	334	335	423.7%	47.1%
Stationery product manufacturing	313	324	320	332	323	322	199	177	173	162	-146	-47.4%	-5.3%
Sanitary paper product manufacturing	1,380	1,610	1,536	1,718	1,679	1,625	1,655	1,586	1,629	1,343	-14	-1.0%	-0.1%
All other converted paper product manufacturing	118	85	80	86	89	97	97	107	110	118	2	1.6%	0.2%
Agricultural Inputs & Services	15,738	15,273	17,359	18,576	19,674	19,920	19,668	17,144	16,225	17,280	1,542	9.8%	1.1%
Fertilizer manufacturing	7,521	7,049	8,493	9,046	9,560	8,652	7,797	4,908	4,471	3,952	-3,445	-46.6%	-5.2%

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Sector	Direct Industry Output (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Pesticide and other agricultural chemical manufacturing	156	118	284	229	317	335	250	236	285	173	19	12.4%	1.4%
Farm machinery and equipment manufacturing	110	88	170	191	219	233	213	172	273	308	200	185.4%	20.6%
Lawn and garden equipment manufacturing	47	42	49	74	130	210	222	173	176	143	96	207.1%	23.0%
Veterinary services	1,587	1,746	1,820	2,184	2,416	2,659	2,893	3,051	2,284	2,247	686	44.0%	4.9%
Landscape services	5,106	5,056	5,318	1,193	1,302	1,490	1,639	1,689	1,784	8,737	3,715	74.0%	8.2%
Services to buildings and dwellings	1,212	1,175	1,226	5,658	5,731	6,341	6,655	6,914	6,954	1,720	529	44.4%	4.9%
Food & Kindred Products Distribution	71,355	75,532	80,301	86,552	89,597	95,456	98,496	99,463	102,659	106,013	35,832	50.2%	5.6%
Wholesale trade businesses	13,402	14,906	17,283	19,720	20,702	22,042	21,730	21,870	20,665	21,272	8,090	61.4%	6.8%
Retail Stores - Building material and garden supplies stores	442	466	496	13,471	13,406	14,078	14,321	14,085	14,625	766	332	76.4%	8.5%
Retail Stores - Food and beverage	12,077	12,654	13,024	626	662	699	726	775	762	14,702	2,824	23.8%	2.6%
Food services and drinking places	45,434	47,505	49,498	52,735	54,828	58,637	61,719	62,733	66,606	69,273	24,586	55.0%	6.1%
Nature-based Recreation - Golf courses	1,529	1,336	1,349	1,739	1,842	2,046	1,988	2,007	1,491	1,448	-81	-5.3%	-0.6%
Other amusement and recreation industries	1,529	1,336	1,349	1,739	1,842	2,046	1,988	2,007	1,491	1,448	-81	-5.3%	-0.6%
Total	137,177	143,454	154,424	161,248	168,089	172,400	175,756	171,530	178,209	182,618	45,440	33.1%	3.7%

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Sector	Domestic and International Exports (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Crop, Livestock, Forestry & Fisheries Production	6,164	7,029	6,410	6,802	5,988	5,545	5,499	5,135	4,199	4,766	-1,397	-22.7%	-2.5%
Oilseed farming	6	5	8	16	14	10	9	4	3	3	-3	-55.8%	-6.2%
Grain farming	1	1	2	33	21	22	12	19	12	9	8	1214.5%	134.9%
Vegetable and melon farming	1,249	1,100	867	830	538	456	601	486	136	197	-1,031	-83.9%	-9.3%
Fruit farming	1,312	1,908	1,473	1,439	989	1,100	933	619	357	629	-662	-51.3%	-5.7%
Tree nut farming	5	9	2	15	7	1	11	13	3	4	-1	-24.8%	-2.8%
Greenhouse, nursery, and floriculture production	1,289	1,360	1,288	1,102	1,359	1,195	1,028	1,013	1,085	1,319	51	4.0%	0.4%
Tobacco farming	1	7	0	1	2	1	1	1	3	2	0	33.7%	3.7%
Cotton farming	51	84	97	88	82	49	67	52	42	50	0	-0.4%	0.0%
Sugarcane and sugar beet farming	432	373	456	466	378	396	393	461	404	369	-56	-13.2%	-1.5%
All other crop farming	155	166	88	98	51	110	134	142	317	401	248	163.3%	18.1%
Beef cattle ranching and farming, including feed-lots and dual-purpose ranching and farming	170	88	149	304	410	386	256	303	151	120	-48	-28.5%	-3.2%
Dairy cattle and milk production	56	78	77	65	140	132	76	100	65	50	-5	-8.9%	-1.0%
Poultry and egg production	266	331	321	86	183	233	118	112	140	86	-176	-67.0%	-7.4%
Animal production, except cattle and poultry and eggs	6	6	8	5	21	14	9	24	7	7	1	16.0%	1.8%
Forestry, forest products, and timber tract production	424	81	340	287	97	102	125	110	81	76	-342	-81.8%	-9.1%
Commercial logging	60	160	74	90	154	59	106	58	94	119	60	100.8%	11.2%
Commercial fishing	208	112	319	159	465	228	342	305	161	175	-30	-14.7%	-1.6%
Commercial hunting and trapping	2	2	50	16	8	5	7	17	15	83	81	3392.1%	376.9%
Support activities for agriculture and forestry	468	1,158	793	1,702	1,070	1,045	1,271	1,297	1,122	1,068	608	132.2%	14.7%
Mining	1,479	1,800	3,534	1,257	2,325	1,027	1,096	1,099	2,088	2,690	1,083	73.2%	8.1%
Oil and gas extraction	1,046	1,380	2,977	404	992	249	143	339	1,672	2,200	1,171	113.8%	12.6%
Coal mining	6	4	0	10	218	106	77	117	53	0	-6	-97.3%	-10.8%
Iron ore mining	0	0	110	8	53	20	12	19	9	6	6	--	--
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0	0	--	--
Mining gold, silver, and other metal ore	50	17	16	171	379	219	185	225	86	153	-49	-99.5%	-11.1%
Mining and quarrying stone	46	11	10	22	13	8	8	9	13	11	-34	-74.7%	-8.3%
Mining and quarrying sand, gravel, clay, and ceramic mining	28	49	43	243	124	57	69	70	47	25	38	136.0%	15.1%
Mining and quarrying other nonmetallic minerals	277	320	351	386	536	352	590	304	124	217	-96	-35.1%	-3.9%
Drilling oil and gas wells	9	17	25	0	1	0	0	0	0	0	-9	-96.7%	-10.7%

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Sector	Domestic and International Exports (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Support activities for oil and gas operations	1	2	2	10	8	14	10	13	2	1	0	-9.3%	-1.0%
Support activities for other mining	15	0	0	2	1	1	2	3	82	76	62	428.0%	47.6%
Food & Kindred Products Manufacturing	5,794	6,278	7,522	11,095	12,002	11,734	13,000	11,956	13,567	13,257	7,463	128.8%	14.3%
Dog and cat food manufacturing	4	14	10	42	98	178	184	178	176	104	100	2263.4%	251.5%
Other animal food manufacturing	42	96	39	225	444	352	376	329	747	697	655	1570.9%	174.5%
Flour milling and malt manufacturing	130	142	106	52	64	88	90	54	25	26	-102	-79.8%	-8.9%
Wet corn milling	1	2	4	0	7	7	3	1	1	19	18	3129.0%	347.7%
Soybean and other oilseed processing	10	3	5	12	52	39	121	27	117	110	101	1064.7%	118.3%
Fats and oils refining and blending	5	29	135	77	98	104	43	60	52	9	3	65.4%	7.3%
Breakfast cereal manufacturing	0	0	0	6	0	0	8	19	7	7	7	--	--
Sugar cane mills and refining	638	702	791	1,018	881	918	1,015	947	1,112	1,156	529	84.2%	9.4%
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0	0	--	--
Chocolate and confectionery manufacturing from cacao beans	47	61	59	49	69	89	85	74	78	48	2	3.8%	0.4%
Confectionery manufacturing from purchased chocolate	51	78	80	92	102	92	98	90	87	70	20	40.3%	4.5%
Nonchocolate confectionery manufacturing	51	66	83	132	139	149	176	164	155	168	117	233.4%	25.9%
Frozen food manufacturing	177	248	163	566	616	571	632	527	538	326	152	86.9%	9.7%
Fruit and vegetable canning, pickling, and drying	775	1,004	940	1,456	1,377	1,233	1,310	1,218	1,188	1,731	969	127.1%	14.1%
Fluid milk and butter manufacturing	33	102	77	106	119	125	116	91	79	171	138	421.8%	46.9%
Cheese manufacturing	2	6	5	14	37	30	46	44	89	25	23	977.7%	108.6%
Dry, condensed, and evaporated dairy product manufacturing	1	2	6	23	19	20	17	21	2	18	17	1641.8%	182.4%
Ice cream and frozen dessert manufacturing	30	51	48	167	179	153	152	158	161	686	50	169.2%	18.8%
Animal, except poultry, slaughtering, rendering, and meat byproduct processing	129	132	180	266	347	379	365	352	1,036	594	468	369.2%	41.0%
Poultry processing	32	61	63	197	205	226	238	228	147	197	165	520.1%	57.8%
Seafood product preparation and packaging	21	49	33	162	162	237	295	275	149	377	356	1696.3%	188.5%
Bread and bakery product manufacturing	245	422	426	1,185	1,436	1,517	1,568	1,427	1,289	1,173	932	387.3%	43.0%
Cookie and cracker manufacturing	106	150	152	207	251	285	315	273	171	130	25	23.8%	2.6%
Tortilla manufacturing	1	2	2	2	2	2	5	6	9	11	10	1824.3%	202.7%
Snack food manufacturing	182	261	294	150	147	154	134	110	400	415	236	131.7%	14.6%

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Sector	Domestic and International Exports (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Coffee and tea manufacturing	287	362	364	503	538	512	448	392	397	308	25	8.9%	1.0%
Flavoring syrup and concentrate manufacturing	5	11	9	152	258	208	333	709	738	430	425	8420.9%	935.7%
Seasoning and dressing manufacturing	341	406	423	638	682	681	740	782	811	881	546	163.0%	18.1%
All other food manufacturing	391	495	464	811	789	836	856	787	776	774	390	101.4%	11.3%
Soft drink and ice manufacturing	793	646	909	1,339	1,617	1,252	1,605	1,306	1,365	940	160	20.6%	2.3%
Breweries	444	375	368	282	377	337	255	221	465	346	-90	-20.7%	-2.3%
Wineries	4	6	4	15	49	71	124	126	152	43	39	1004.7%	111.6%
Distilleries	69	42	235	573	479	572	655	450	486	463	395	577.4%	64.2%
Tobacco product manufacturing	746	253	1,044	575	362	317	591	514	558	805	71	9.7%	1.1%
Forest Products Manufacturing	3,132	4,013	3,716	4,807	4,840	5,097	4,915	4,844	4,639	4,947	1,815	57.9%	6.4%
Sawmills and wood preservation	65	96	91	128	185	258	231	282	274	305	241	377.6%	42.0%
Veneer and plywood manufacturing	91	156	58	49	36	44	58	63	49	46	-43	-47.9%	-5.3%
Engineered wood member and truss manufacturing	85	169	119	313	375	459	478	529	584	620	537	644.9%	71.7%
Reconstituted wood product manufacturing	15	20	15	21	21	22	42	54	61	151	136	912.2%	101.4%
Wood windows and doors and millwork manufacturing	119	188	181	13	17	21	19	20	16	55	-103	-87.9%	-9.8%
Wood container and pallet manufacturing	6	11	10	41	40	51	42	32	22	22	16	288.0%	32.0%
All other miscellaneous wood product manufacturing	19	26	26	42	55	64	39	53	43	39	21	109.7%	12.2%
Pulp mills	526	680	720	768	549	678	614	559	513	184	-333	-64.4%	-7.2%
Paper mills	663	691	673	731	762	740	776	746	749	688	37	5.6%	0.6%
Paperboard mills	597	590	621	642	636	641	577	581	603	1,219	632	107.7%	12.0%
Paperboard container manufacturing	67	202	158	428	430	386	360	365	237	415	349	531.8%	59.1%
Coated and laminated paper and packaging paper	46	60	55	233	281	302	286	231	204	0	228	508.9%	56.5%
All other paper bag, coated, and treated paper manufacturing	25	33	32	46	43	48	47	43	48	273	16	63.6%	7.1%
Stationery product manufacturing	135	148	144	164	166	161	90	75	47	30	-102	-77.2%	-8.6%
Sanitary paper product manufacturing	647	908	784	1,137	1,185	1,155	1,189	1,135	1,117	822	186	29.2%	3.2%
All other converted paper product manufacturing	28	34	30	49	57	67	70	77	70	77	49	178.3%	19.8%
Agricultural Inputs & Services	6,984	6,915	8,298	9,818	9,871	9,159	9,165	6,885	6,344	6,707	-276	-4.0%	-0.4%
Fertilizer manufacturing	4,658	4,936	5,847	7,158	7,407	6,624	6,123	3,919	3,740	3,121	-1,461	-31.9%	-3.5%

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Sector	Domestic and International Exports (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Pesticide and other agricultural chemical manufacturing	24	16	40	53	92	65	42	30	42	28	4	17.6%	2.0%
Farm machinery and equipment manufacturing	93	76	149	157	69	57	45	45	49	45	-46	-50.3%	-5.6%
Lawn and garden equipment manufacturing	45	31	43	48	100	162	171	131	125	18	-26	-58.6%	-6.5%
Veterinary services	253	176	247	266	370	417	444	694	616	524	275	110.7%	12.3%
Landscape services	1,544	1,363	1,602	171	301	349	458	369	347	2,636	1,118	73.6%	8.2%
Services to buildings and dwellings	366	317	369	1,964	1,533	1,485	1,883	1,697	1,425	335	-26	-7.1%	-0.8%
Food & Kindred Products Distribution	11,967	9,996	12,115	14,434	16,342	17,393	16,161	6,798	8,103	8,550	-3,220	-26.9%	-3.0%
Wholesale trade businesses	3,641	3,385	3,859	5,195	5,855	5,996	5,671	5,233	5,660	5,943	2,362	65.9%	7.3%
Retail Stores - Building material and garden supplies stores	7	1	6	1,381	1,408	1,613	1,485	6	310	21	14	213.7%	23.7%
Retail Stores - Food and beverage	814	985	1,320	28	49	59	56	65	20	520	-281	-35.1%	-3.9%
Food services and drinking places	7,504	5,624	6,931	7,830	9,030	9,724	8,950	1,494	2,113	2,066	-5,315	-72.0%	-8.0%
Nature-based Recreation - Golf courses	665	485	541	646	741	887	817	953	632	614	-51	-7.7%	-0.9%
Other amusement and recreation industries	665	485	541	646	741	887	817	953	632	614	-51	-7.7%	-0.9%
Total	36,185	36,515	42,135	48,859	52,110	50,841	50,655	37,671	39,573	41,531	5,346	14.8%	1.6%



APPENDIX B4

Sector	Employment Contribution (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Crop, Livestock, Forestry & Fisheries Production	162,838	169,486	168,255	179,662	151,916	158,481	176,569	168,862	167,878	172,451	9,613	5.90%	0.66%
Oilseed farming	111	97	140	66	49	46	55	21	17	12	-99	-89.5%	-9.9%
Grain farming	31	54	91	588	269	331	298	332	409	337	306	988.4%	109.8%
Vegetable and melon farming	17,644	16,092	13,569	13,702	13,590	12,819	15,163	13,413	12,588	11,483	-6,161	-34.9%	-3.9%
Fruit farming	19,848	25,271	16,333	38,025	32,361	35,467	34,987	31,271	14,166	16,030	-3,818	-19.2%	-2.1%
Tree nut farming	129	166	27	220	127	20	256	238	207	106	-23	-17.9%	-2.0%
Greenhouse, nursery, and floriculture production	22,750	22,600	20,905	20,111	23,613	25,043	20,480	19,287	24,814	25,899	3,148	13.8%	1.5%
Tobacco farming	80	179	0	20	23	18	16	19	56	44	-36	-45.0%	-5.0%
Cotton farming	447	699	827	606	679	440	653	485	558	626	179	40.0%	4.4%
Sugarcane and sugar beet farming	17,138	15,523	20,682	5,738	4,232	5,181	5,525	5,570	5,883	5,682	-11,456	-66.8%	-7.4%
All other crop farming	2,071	2,255	2,277	9,099	4,400	11,696	11,198	11,013	29,160	31,729	29,658	1432.3%	159.1%
Beef cattle ranching and farming, including feed-lots and dual-purpose ranching and farming	5,317	4,896	6,404	9,186	13,919	10,637	8,094	8,049	4,825	4,007	-1,310	-24.6%	-2.7%
Dairy cattle and milk production	4,064	4,983	4,479	2,708	3,226	3,362	2,476	2,472	2,077	2,012	-2,052	-50.5%	-5.6%
Poultry and egg production	1,050	1,341	1,267	1,212	1,547	1,802	1,103	1,104	1,055	710	-341	-32.5%	-3.6%
Animal production, except cattle and poultry and eggs	2,889	3,003	3,192	1,928	6,087	4,643	4,057	5,557	2,715	2,177	-712	-24.6%	-2.7%
Forestry, forest products, and timber tract production	2,928	2,454	2,508	1,760	1,660	2,002	1,974	1,891	2,194	1,790	-1,139	-38.9%	-4.3%
Commercial logging	4,020	3,527	3,503	3,597	4,167	4,373	4,495	4,177	5,018	4,795	774	19.3%	2.1%
Commercial fishing	8,534	7,343	8,289	7,707	8,197	8,608	8,385	6,674	6,749	6,490	-2,044	-23.9%	-2.7%
Commercial hunting and trapping	1,380	1,943	2,049	1,353	535	671	629	529	580	969	-410	-29.7%	-3.3%
Support activities for agriculture and forestry	52,406	57,060	61,714	62,036	33,237	31,323	56,723	56,762	54,807	57,554	5,148	9.8%	1.1%
Mining	40,874	47,913	53,645	28,003	45,910	40,935	36,911	36,861	64,841	59,598	18,724	45.81%	5.09%
Oil and gas extraction	31,289	37,501	42,711	16,951	26,808	24,678	20,418	22,151	37,501	34,415	3,126	10.0%	1.1%
Coal mining	125	51	3	28	1,309	703	587	680	634	2	-123	-98.5%	-10.9%
Iron ore mining	0	0	280	34	319	220	106	134	116	42	42	--	--
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0	0	--	--
Mining gold, silver, and other metal ore	282	248	223	339	1,061	895	658	665	677	1,184	-253	-89.7%	-10.0%
Mining and quarrying stone	2,262	1,948	1,990	1,612	2,497	2,330	2,505	2,486	3,297	4,523	2,260	99.9%	11.1%
Mining and quarrying sand, gravel, clay, and ceramic mining	1,615	1,890	2,038	1,948	3,220	2,828	2,708	2,812	2,827	2,326	1,151	71.3%	7.9%
Mining and quarrying other nonmetallic minerals	3,500	3,881	3,995	3,229	4,330	3,733	5,074	3,076	2,289	3,231	-708	-20.2%	-2.2%
Drilling oil and gas wells	748	1,089	746	2,500	4,313	3,684	3,256	3,140	4,050	3,104	2,357	315.1%	35.0%

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Sector	Employment Contribution (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Support activities for oil and gas operations	781	924	1,087	953	1,707	1,544	1,289	1,351	5,279	3,579	2,798	358.4%	39.8%
Support activities for other mining	272	379	573	410	346	320	310	366	8,169	7,193	6,921	2547.8%	283.1%
Food & Kindred Products Manufacturing	91,681	95,462	93,973	111,933	118,295	117,525	124,766	121,210	139,951	143,891	52,210	56.95%	6.33%
Dog and cat food manufacturing	67	154	148	134	300	498	516	538	527	398	331	496.5%	55.2%
Other animal food manufacturing	1,854	1,724	1,400	1,683	2,221	2,019	1,884	1,723	2,924	2,988	1,135	61.2%	6.8%
Flour milling and malt manufacturing	1,149	919	741	915	939	1,039	945	860	851	888	-260	-22.7%	-2.5%
Wet corn milling	5	11	24	2	60	66	29	15	9	205	200	3655.6%	406.2%
Soybean and other oilseed processing	78	14	12	24	97	71	226	50	194	182	104	133.6%	14.8%
Fats and oils refining and blending	121	249	269	135	155	162	73	109	109	19	-102	-84.5%	-9.4%
Breakfast cereal manufacturing	0	0	0	19	0	0	28	74	31	42	42	--	--
Sugar cane mills and refining	3,291	3,047	3,285	3,140	3,144	3,294	3,577	3,448	4,569	4,942	1,651	50.2%	5.6%
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0	0	--	--
Chocolate and confectionery manufacturing from cacao beans	309	308	284	200	308	357	376	329	398	308	-1	-0.3%	0.0%
Confectionery manufacturing from purchased chocolate	735	864	867	653	700	601	624	614	628	558	-177	-24.1%	-2.7%
Nonchocolate confectionery manufacturing	586	707	805	830	904	915	1,128	1,092	1,123	1,253	668	114.0%	12.7%
Frozen food manufacturing	6,385	5,931	5,639	6,056	6,001	5,570	5,193	4,840	5,133	5,549	-835	-13.1%	-1.5%
Fruit and vegetable canning, pickling, and drying	8,526	8,130	7,751	7,584	7,073	7,077	7,606	7,500	7,173	8,824	298	3.5%	0.4%
Fluid milk and butter manufacturing	4,167	5,584	5,431	3,688	3,188	3,343	3,542	3,298	382	4,076	-91	-2.2%	-0.2%
Cheese manufacturing	45	81	51	52	123	88	162	156	3,696	84	39	88.3%	9.8%
Dry, condensed, and evaporated dairy product manufacturing	20	21	77	123	77	80	108	115	46	85	65	319.7%	35.5%
Ice cream and frozen dessert manufacturing	1,648	1,849	1,798	1,460	1,663	1,407	1,487	1,510	1,509	16,324	-193	-11.7%	-1.3%
Animal, except poultry, slaughtering, rendering, and meat byproduct processing	3,043	2,608	2,516	3,451	3,279	3,519	3,670	3,705	18,412	6,559	3,516	115.5%	12.8%
Poultry processing	2,648	3,762	3,725	2,698	2,422	2,450	2,412	2,289	2,136	2,254	-394	-14.9%	-1.7%
Seafood product preparation and packaging	2,953	2,969	3,182	3,017	3,651	3,800	3,757	3,791	1,716	3,517	564	19.1%	2.1%
Bread and bakery product manufacturing	12,623	13,601	13,349	28,572	32,256	33,127	34,520	34,308	34,939	30,911	18,288	144.9%	16.1%
Cookie and cracker manufacturing	2,374	2,352	2,383	2,507	2,849	2,989	3,279	3,135	2,554	2,642	269	11.3%	1.3%
Tortilla manufacturing	105	313	248	190	196	209	536	713	873	1,100	995	943.1%	104.8%
Snack food manufacturing	1,861	1,890	2,109	1,705	1,879	1,755	1,747	1,654	4,186	4,625	2,764	148.6%	16.5%

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Sector	Employment Contribution (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Coffee and tea manufacturing	2,148	1,928	2,384	2,111	2,681	2,459	2,077	1,903	1,790	1,674	-474	-22.1%	-2.5%
Flavoring syrup and concentrate manufacturing	421	542	390	427	658	542	812	1,483	1,712	1,134	713	169.1%	18.8%
Seasoning and dressing manufacturing	3,593	3,441	3,187	2,757	3,136	2,993	3,349	3,647	4,011	4,642	1,049	29.2%	3.2%
All other food manufacturing	5,260	5,347	5,260	5,897	5,875	5,942	6,359	6,029	6,338	6,443	1,183	22.5%	2.5%
Soft drink and ice manufacturing	18,180	17,964	18,298	19,843	19,652	17,299	20,873	19,016	18,240	17,835	-345	-1.9%	-0.2%
Breweries	3,173	2,970	3,035	3,333	4,315	5,111	5,053	5,547	6,354	6,013	2,841	89.5%	9.9%
Wineries	458	289	221	290	696	852	897	902	925	816	358	78.1%	8.7%
Distilleries	676	818	1,001	1,364	1,214	1,492	1,621	1,164	1,314	1,462	786	116.3%	12.9%
Tobacco product manufacturing	3,179	5,075	4,102	7,074	6,585	6,397	6,299	5,652	5,146	5,536	2,356	74.1%	8.2%
Forest Products Manufacturing	37,782	38,200	36,801	41,028	42,646	45,038	45,570	46,428	47,891	50,707	12,925	34.21%	3.80%
Sawmills and wood preservation	3,216	3,412	3,554	3,761	4,030	4,825	5,076	5,334	6,037	5,672	2,456	76.4%	8.5%
Veneer and plywood manufacturing	1,658	1,615	884	757	682	844	1,013	1,113	886	1,020	-639	-38.5%	-4.3%
Engineered wood member and truss manufacturing	2,645	2,375	2,642	4,655	5,403	5,877	6,392	7,065	7,928	8,692	6,047	228.6%	25.4%
Reconstituted wood product manufacturing	194	302	194	239	254	262	435	566	587	1,085	891	459.8%	51.1%

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Sector	Employment Contribution (Jobs)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Wood windows and doors and millwork manufacturing	4,031	4,144	4,064	1,897	2,229	2,580	2,619	2,847	2,949	6,115	-1,185	-29.4%	-3.3%
Wood container and pallet manufacturing	1,613	2,249	2,517	2,541	2,528	2,856	2,927	2,719	2,777	2,844	1,231	76.3%	8.5%
All other miscellaneous wood product manufacturing	1,061	1,075	1,072	1,214	1,639	1,792	1,715	1,923	2,024	1,674	613	57.8%	6.4%
Pulp mills	2,452	2,826	2,764	3,047	2,365	2,768	2,609	2,464	2,141	831	-1,621	-66.1%	-7.3%
Paper mills	3,887	3,580	3,491	3,503	3,509	3,238	3,396	3,392	3,423	4,104	216	5.6%	0.6%
Paperboard mills	2,999	2,676	2,602	2,599	2,520	2,484	2,239	2,245	2,538	5,394	2,395	79.9%	8.9%
Paperboard container manufacturing	6,180	6,121	5,839	6,281	6,462	6,605	6,620	6,459	5,883	6,240	60	1.0%	0.1%
Coated and laminated paper and packaging paper	912	803	875	1,471	1,605	1,630	1,600	1,357	1,187	0	421	46.2%	5.1%
All other paper bag, coated, and treated paper manufacturing	391	454	516	2,382	2,756	2,987	3,129	3,037	3,300	1,334	2,878	735.2%	81.7%
Stationery product manufacturing	1,706	1,744	1,568	1,595	1,540	1,441	890	829	842	801	-905	-53.1%	-5.9%
Sanitary paper product manufacturing	4,072	4,323	3,748	4,598	4,619	4,309	4,336	4,425	4,722	4,120	48	1.2%	0.1%
All other converted paper product manufacturing	763	502	470	488	506	542	575	655	665	781	18	2.4%	0.3%
Agricultural Inputs & Services	194,723	191,678	200,661	207,074	232,015	240,607	250,632	245,032	244,079	231,463	36,739	18.87%	2.10%
Fertilizer manufacturing	27,806	23,246	23,991	21,447	20,315	18,465	17,862	14,798	11,955	11,554	-16,252	-58.4%	-6.5%
Pesticide and other agricultural chemical manufacturing	527	390	873	769	1,036	1,095	865	822	736	465	-62	-11.8%	-1.3%
Farm machinery and equipment manufacturing	508	658	637	762	861	866	901	834	1,550	1,639	1,131	222.4%	24.7%
Lawn and garden equipment manufacturing	211	230	196	266	430	675	726	608	799	643	432	205.1%	22.8%
Veterinary services	34,325	34,082	35,903	40,546	33,505	35,288	37,107	38,881	25,684	30,662	-3,663	-10.7%	-1.2%
Landscape services	106,155	107,975	113,017	27,246	43,495	46,474	49,607	47,902	51,082	0	48,023	45.2%	5.0%
Services to buildings and dwellings	25,191	25,098	26,043	116,038	132,374	137,743	143,565	141,188	152,274	186,499	7,131	28.3%	3.1%
Food & Kindred Products Distribution	1,260,465	1,299,668	1,355,633	1,474,194	1,508,365	1,563,773	1,622,844	1,643,237	1,717,770	1,812,847	552,382	43.82%	4.87%
Wholesale trade businesses	130,471	132,426	146,666	167,752	176,147	185,402	185,598	187,239	195,991	211,622	81,151	62.2%	6.9%
Retail Stores - Building material and garden supplies stores	7,364	7,900	7,969	253,533	259,583	268,921	273,725	275,645	274,165	10,089	2,725	37.0%	4.1%
Retail Stores - Food and beverage	257,296	264,223	266,787	9,422	9,854	10,178	10,373	10,876	9,768	288,638	31,341	12.2%	1.4%
Food services and drinking places	865,334	895,119	934,210	1,043,487	1,062,782	1,099,272	1,153,148	1,169,476	1,237,846	1,302,499	437,165	50.5%	5.6%
Nature-based Recreation - Golf courses	26,262	26,161	26,477	32,828	35,174	37,422	36,979	34,891	34,650	33,280	7,018	26.72%	2.97%
Other amusement and recreation industries	26,262	26,161	26,477	32,828	35,174	37,422	36,979	34,891	34,650	33,280	7,018	26.72%	2.97%
Total	1,814,625	1,868,567	1,935,444	2,074,723	2,134,322	2,203,781	2,294,272	2,296,521	2,417,059	2,504,237	689,612	38.00%	4.22%

APPENDIX B5

Sector	Industry Output Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Crop, Livestock, Forestry & Fisheries Production	18,184	17,996	17,727	17,142	15,926	16,772	16,603	15,235	15,708	16,966	-1,218	-6.7%	-0.7%
Oilseed farming	11	9	13	20	17	14	15	6	6	5	-6	-56.2%	-6.2%
Grain farming	2	4	6	118	56	74	60	67	94	85	83	3614.5%	401.6%
Vegetable and melon farming	3,364	3,122	2,676	2,204	2,139	2,015	2,343	2,059	1,758	1,815	-1,495	-45.2%	-5.0%
Fruit farming	3,374	3,718	3,091	3,013	2,474	2,769	2,617	2,197	1,493	1,804	-1,516	-45.7%	-5.1%
Tree nut farming	13	18	3	31	14	2	26	24	12	11	-2	-14.4%	-1.6%
Greenhouse, nursery, and floriculture production	3,262	3,251	3,068	2,630	2,990	3,052	2,558	2,409	3,134	3,673	465	14.5%	1.6%
Tobacco farming	7	16	0	2	3	2	2	2	6	5	-1	-22.0%	-2.4%
Cotton farming	90	138	161	129	128	83	120	89	75	91	2	1.7%	0.2%
Sugarcane and sugar beet farming	952	839	1,095	1,051	759	935	1,000	1,015	963	908	-28	-3.0%	-0.3%
All other crop farming	424	450	464	417	211	642	509	503	1,244	1,495	1,078	258.8%	28.8%
Beef cattle ranching and farming, including feed-lots and dual-purpose ranching and farming	772	701	914	886	1,311	1,159	760	751	739	676	-83	-10.9%	-1.2%
Dairy cattle and milk production	644	759	693	754	924	945	683	703	680	720	87	13.7%	1.5%
Poultry and egg production	423	513	490	513	627	712	409	419	475	349	-67	-16.1%	-1.8%
Animal production, except cattle and poultry and eggs	151	148	148	156	480	436	335	442	357	314	165	111.3%	12.4%
Forestry, forest products, and timber tract production	803	400	759	447	203	238	259	216	208	186	-603	-76.4%	-8.5%
Commercial logging	487	441	376	423	515	427	555	395	550	552	73	15.2%	1.7%
Commercial fishing	484	263	482	555	678	423	612	478	405	447	-29	-6.1%	-0.7%
Commercial hunting and trapping	245	179	414	148	90	93	80	86	100	220	-22	-9.0%	-1.0%
Support activities for agriculture and forestry	2,675	3,024	2,872	3,644	2,308	2,749	3,660	3,373	3,409	3,611	981	37.3%	4.1%
Mining	6,951	10,756	11,896	5,883	10,932	6,811	6,760	5,990	13,823	14,009	7,058	101.5%	11.3%
Oil and gas extraction	4,716	8,054	9,081	2,439	5,585	2,806	2,126	2,403	7,683	7,827	3,189	68.8%	7.6%
Coal mining	36	14	1	18	470	257	208	218	137	0	-34	-98.6%	-11.0%
Iron ore mining	0	0	200	24	111	70	31	40	31	14	14	--	--
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0	0	--	--
Mining gold, silver, and other metal ore	142	97	105	272	643	443	357	396	221	333	-131	-93.2%	-10.4%
Mining and quarrying stone	604	609	502	744	660	590	643	715	1,100	1,451	857	144.2%	16.0%
Mining and quarrying sand, gravel, clay, and ceramic mining	281	394	370	817	800	635	693	671	592	608	450	163.2%	18.1%
Mining and quarrying other nonmetallic minerals	820	1,036	1,063	1,002	1,565	1,284	2,071	1,056	566	935	9	1.1%	0.1%
Drilling oil and gas wells	157	309	240	388	830	471	456	293	863	616	462	299.2%	33.2%

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Sector	Industry Output Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Support activities for oil and gas operations	135	160	204	126	222	206	135	158	961	571	439	331.1%	36.8%
Support activities for other mining	61	82	128	50	48	49	42	41	1,668	1,653	1,592	2646.5%	294.1%
Food & Kindred Products Manufacturing	33,817	34,245	37,186	38,174	38,939	39,389	41,841	39,443	42,904	41,801	7,983	23.6%	2.6%
Dog and cat food manufacturing	35	76	79	73	161	288	295	292	307	192	158	460.2%	51.1%
Other animal food manufacturing	1,031	915	924	1,115	1,407	1,283	1,151	1,014	1,620	1,599	585	57.6%	6.4%
Flour milling and malt manufacturing	499	427	401	483	466	527	462	390	355	345	-146	-29.7%	-3.3%
Wet corn milling	2	6	14	1	32	36	15	7	4	91	89	3658.0%	406.4%
Soybean and other oilseed processing	71	11	9	26	96	72	231	53	223	157	87	124.6%	13.8%
Fats and oils refining and blending	82	227	258	129	147	158	66	93	84	13	-68	-83.5%	-9.3%
Breakfast cereal manufacturing	0	0	0	12	0	0	13	33	15	19	19	--	--
Sugar cane mills and refining	1,342	1,314	1,499	1,600	1,436	1,486	1,618	1,558	1,929	2,082	762	57.7%	6.4%
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0	0	--	--
Chocolate and confectionery manufacturing from cacao beans	117	136	127	83	118	150	147	128	144	94	-21	-18.2%	-2.0%
Confectionery manufacturing from purchased chocolate	199	241	241	176	184	164	176	168	169	144	-52	-26.7%	-3.0%
Nonchocolate confectionery manufacturing	164	207	250	248	255	269	327	313	318	357	196	121.4%	13.5%
Frozen food manufacturing	1,770	1,660	1,622	1,917	1,918	1,816	1,688	1,532	1,586	1,701	-40	-2.3%	-0.3%
Fruit and vegetable canning, pickling, and drying	3,059	2,924	2,831	2,857	2,641	2,488	2,693	2,576	2,565	3,078	69	2.3%	0.3%
Fluid milk and butter manufacturing	1,555	2,708	2,740	1,647	1,485	1,637	1,557	1,405	209	1,609	80	5.2%	0.6%
Cheese manufacturing	20	40	27	28	69	53	84	79	1,537	43	23	115.6%	12.8%
Dry, condensed, and evaporated dairy product manufacturing	10	9	37	75	53	58	67	70	26	44	34	341.1%	37.9%
Ice cream and frozen dessert manufacturing	492	527	513	434	492	440	454	465	472	1,913	-79	-16.3%	-1.8%
Animal, except poultry, slaughtering, rendering, and meat byproduct processing	998	710	725	1,258	1,233	1,372	1,324	1,264	2,641	1,992	1,009	102.7%	11.4%
Poultry processing	591	1,062	1,168	645	631	644	628	582	831	537	-45	-7.7%	-0.9%
Seafood product preparation and packaging	801	850	902	811	951	1,111	1,023	1,072	418	1,035	248	31.5%	3.5%
Bread and bakery product manufacturing	2,121	2,276	2,295	3,828	4,384	4,666	4,971	4,821	5,502	4,534	2,448	117.3%	13.0%
Cookie and cracker manufacturing	732	717	744	734	778	873	943	849	709	703	-17	-2.4%	-0.3%
Tortilla manufacturing	21	63	50	39	38	41	106	143	176	222	201	958.5%	106.5%
Snack food manufacturing	746	772	894	818	839	786	762	675	1,390	1,494	760	103.5%	11.5%

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Sector	Industry Output Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Coffee and tea manufacturing	780	837	989	859	927	883	783	689	692	634	-133	-17.3%	-1.9%
Flavoring syrup and concentrate manufacturing	287	388	385	288	436	343	550	1,105	1,202	686	404	143.3%	15.9%
Seasoning and dressing manufacturing	1,201	1,177	1,142	1,073	1,141	1,117	1,240	1,327	1,432	1,633	453	38.3%	4.3%
All other food manufacturing	1,329	1,391	1,360	1,616	1,545	1,647	1,712	1,610	1,679	1,769	463	35.4%	3.9%
Soft drink and ice manufacturing	7,496	7,488	7,913	8,156	7,852	7,060	8,734	7,564	7,594	6,236	-1,137	-15.4%	-1.7%
Breweries	1,566	1,414	1,423	1,541	1,910	2,260	1,897	1,876	2,093	1,719	179	11.6%	1.3%
Wineries	133	84	63	75	164	213	232	235	247	203	73	55.6%	6.2%
Distilleries	410	442	680	776	647	789	894	606	676	669	266	66.0%	7.3%
Tobacco product manufacturing	4,156	3,145	4,879	4,751	4,506	4,661	4,997	4,847	4,056	4,256	168	4.1%	0.5%
Forest Products Manufacturing	10,530	11,630	11,200	12,537	12,686	13,593	13,459	13,404	13,908	14,843	4,313	41.0%	4.6%
Sawmills and wood preservation	674	820	823	1,001	1,082	1,275	1,283	1,398	1,516	1,441	778	117.3%	13.0%
Veneer and plywood manufacturing	296	418	206	176	169	209	255	284	217	251	-40	-13.7%	-1.5%
Engineered wood member and truss manufacturing	414	550	526	814	997	1,208	1,276	1,421	1,615	1,842	1,435	352.8%	39.2%
Reconstituted wood product manufacturing	44	65	39	95	97	91	150	209	239	406	363	842.6%	93.6%

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Sector	Industry Output Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Wood windows and doors and millwork manufacturing	675	753	734	343	397	474	478	533	600	1,253	-88	-13.2%	-1.5%
Wood container and pallet manufacturing	233	355	361	405	383	447	478	433	451	507	278	121.5%	13.5%
All other miscellaneous wood product manufacturing	181	211	193	272	311	330	306	340	356	332	154	86.5%	9.6%
Pulp mills	859	1,048	1,087	1,199	857	1,062	971	869	806	298	-547	-64.7%	-7.2%
Paper mills	1,462	1,463	1,491	1,464	1,475	1,409	1,462	1,414	1,460	1,633	195	13.5%	1.5%
Paperboard mills	1,106	1,069	1,098	1,057	1,045	1,058	941	937	1,032	2,123	1,035	95.2%	10.6%
Paperboard container manufacturing	1,759	1,851	1,790	1,918	2,023	2,142	2,121	2,052	1,985	2,058	329	19.0%	2.1%
Coated and laminated paper and packaging paper	287	251	278	496	545	580	554	449	408	0	174	61.8%	6.9%
All other paper bag, coated, and treated paper manufacturing	113	122	142	485	528	611	622	586	639	456	565	508.8%	56.5%
Stationery product manufacturing	449	466	444	461	452	451	280	249	251	237	-205	-46.4%	-5.2%
Sanitary paper product manufacturing	1,799	2,060	1,873	2,223	2,190	2,100	2,135	2,065	2,160	1,818	49	2.8%	0.3%
All other converted paper product manufacturing	180	127	116	129	134	147	148	164	173	190	13	7.5%	0.8%
Agricultural Inputs & Services	25,747	23,789	26,280	27,532	29,237	30,330	30,486	27,341	26,451	28,979	3,232	12.6%	1.4%
Fertilizer manufacturing	11,374	10,285	11,915	11,990	12,466	11,366	10,341	6,720	5,849	5,252	-5,935	-53.1%	-5.9%
Pesticide and other agricultural chemical manufacturing	236	178	410	341	475	504	379	359	393	240	8	3.2%	0.4%
Farm machinery and equipment manufacturing	161	163	235	265	303	316	297	240	440	501	343	216.6%	24.1%
Lawn and garden equipment manufacturing	65	63	66	94	162	262	280	215	262	216	152	235.9%	26.2%
Veterinary services	2,838	2,911	2,998	3,762	4,095	4,551	4,925	5,205	3,310	3,488	697	25.0%	2.8%
Landscape services	8,950	8,268	8,660	1,979	2,332	2,691	2,968	2,997	3,401	16,049	7,245	82.3%	9.1%
Services to buildings and dwellings	2,124	1,922	1,996	9,102	9,404	10,641	11,297	11,606	12,798	3,233	1,144	54.8%	6.1%
Food & Kindred Products Distribution	118,984	124,654	130,257	144,763	149,875	160,802	166,779	167,454	185,876	196,462	79,436	66.8%	7.4%
Wholesale trade businesses	21,707	23,657	27,727	33,039	35,518	38,452	37,432	37,120	38,985	41,059	19,709	92.3%	10.3%
Retail Stores - Building material and garden supplies stores	789	819	852	23,698	23,652	25,106	25,752	25,657	27,346	1,361	586	75.5%	8.4%
Retail Stores - Food and beverage	21,176	22,313	22,513	1,119	1,184	1,262	1,320	1,420	1,312	28,524	7,696	36.9%	4.1%
Food services and drinking places	75,311	77,865	79,164	86,907	89,520	95,982	102,276	103,257	118,233	125,518	51,446	69.5%	7.7%
Nature-based Recreation - Golf courses	2,572	2,305	2,285	3,068	3,277	3,605	3,510	3,512	2,915	2,959	387	15.0%	1.7%
Other amusement and recreation industries	2,572	2,305	2,285	3,068	3,277	3,605	3,510	3,512	2,915	2,959	387	15.0%	1.7%
Total	216,786	225,376	236,830	249,099	260,872	271,303	279,439	272,379	301,585	316,020	99,234	45.8%	5.1%

APPENDIX B6

Sector	Value Added Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Crop, Livestock, Forestry & Fisheries Production	9,910	9,779	9,423	11,066	10,980	9,280	9,311	9,467	8,782	9,672	-239	-2.4%	-0.3%
Oilseed farming	6	4	7	12	12	5	8	3	5	4	-2	-31.3%	-3.5%
Grain farming	1	1	2	20	14	21	15	15	53	38	37	4481.0%	497.9%
Vegetable and melon farming	1,813	1,730	1,485	1,684	1,640	1,182	1,294	1,291	829	903	-880	-49.4%	-5.5%
Fruit farming	1,818	2,078	1,751	2,217	1,991	1,652	1,435	1,342	799	1,105	-683	-38.2%	-4.2%
Tree nut farming	8	11	2	24	12	1	15	15	7	7	0	-4.8%	-0.5%
Greenhouse, nursery, and floriculture production	2,055	2,076	1,980	1,740	2,193	1,671	1,367	1,419	1,603	1,860	-161	-8.0%	-0.9%
Tobacco farming	2	6	0	1	2	1	1	1	3	3	1	35.0%	3.9%
Cotton farming	32	57	57	78	83	43	59	54	42	48	17	53.2%	5.9%
Sugarcane and sugar beet farming	461	407	551	629	493	458	485	505	561	498	45	9.9%	1.1%
All other crop farming	176	169	193	245	138	311	243	266	625	742	570	329.8%	36.6%
Beef cattle ranching and farming, including feed-lots and dual-purpose ranching and farming	212	179	238	377	645	320	232	302	317	298	90	43.3%	4.8%
Dairy cattle and milk production	269	310	303	354	508	368	252	287	179	204	-60	-22.6%	-2.5%
Poultry and egg production	106	139	127	180	277	164	106	128	80	58	-46	-43.9%	-4.9%
Animal production, except cattle and poultry and eggs	79	78	81	127	378	196	208	310	297	268	190	246.3%	27.4%
Forestry, forest products, and timber tract production	420	30	323	244	111	141	159	148	142	133	-281	-67.9%	-7.5%
Commercial logging	235	268	158	243	306	241	334	260	327	342	111	47.9%	5.3%
Commercial fishing	197	-73	238	284	454	379	578	449	371	413	219	112.9%	12.5%
Commercial hunting and trapping	164	-69	241	93	73	73	72	81	85	186	25	15.5%	1.7%
Support activities for agriculture and forestry	1,860	2,380	1,687	2,514	1,649	2,053	2,447	2,589	2,457	2,561	732	40.0%	4.4%
Mining	3,346	4,197	5,125	2,774	3,485	2,290	2,582	2,598	5,083	5,247	1,901	56.8%	6.3%
Oil and gas extraction	1,950	2,667	3,540	382	972	398	373	511	2,405	2,420	502	26.2%	2.9%
Coal mining	23	8	1	13	126	70	49	78	43	0	-22	-99.1%	-11.0%
Iron ore mining	0	0	123	17	26	21	5	14	9	11	11	--	--
Copper, nickel, lead, and zinc mining	0	0	0	0	0	0	0	0	0	0	0	--	--
Mining gold, silver, and other metal ore	96	65	67	206	327	196	179	251	120	164	-89	-94.2%	-10.5%
Mining and quarrying stone	379	435	314	615	415	369	379	507	764	901	528	141.6%	15.7%
Mining and quarrying sand, gravel, clay, and ceramic mining	166	239	207	623	430	332	332	413	338	336	240	146.9%	16.3%
Mining and quarrying other nonmetallic minerals	534	598	619	678	857	661	1,069	613	335	538	-53	-10.1%	-1.1%
Drilling oil and gas wells	113	88	94	147	206	114	113	82	289	219	108	96.9%	10.8%

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Sector	Value Added Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Support activities for oil and gas operations	59	70	113	68	102	105	62	104	311	197	139	241.7%	26.9%
Support activities for other mining	27	29	47	27	24	25	21	25	469	460	433	1616.7%	179.6%
Food & Kindred Products Manufacturing	12,353	10,448	13,385	12,044	11,923	12,139	13,762	13,358	14,539	14,667	2,314	18.7%	2.1%
Dog and cat food manufacturing	12	21	22	13	27	46	55	60	67	53	42	367.3%	40.8%
Other animal food manufacturing	213	175	173	184	224	212	199	180	335	341	131	62.4%	6.9%
Flour milling and malt manufacturing	160	142	108	119	114	123	106	96	98	93	-64	-40.5%	-4.5%
Wet corn milling	1	2	4	0	8	8	3	1	1	20	19	2442.5%	271.4%
Soybean and other oilseed processing	10	2	2	3	9	7	24	3	18	18	8	79.0%	8.8%
Fats and oils refining and blending	16	36	40	13	14	14	6	11	12	2	-14	-90.2%	-10.0%
Breakfast cereal manufacturing	0	0	0	8	0	0	5	9	3	4	4	--	--
Sugar cane mills and refining	369	331	380	481	416	447	528	521	606	630	267	73.6%	8.2%
Beet sugar manufacturing	0	0	0	0	0	0	0	0	0	0	0	--	--
Chocolate and confectionery manufacturing from cacao beans	26	26	27	19	24	28	32	34	37	27	1	5.5%	0.6%
Confectionery manufacturing from purchased chocolate	59	63	72	44	48	42	50	49	44	39	-19	-32.5%	-3.6%
Nonchocolate confectionery manufacturing	50	61	83	68	68	71	89	86	85	94	46	93.3%	10.4%
Frozen food manufacturing	649	575	591	549	525	497	494	448	534	565	-73	-11.5%	-1.3%
Fruit and vegetable canning, pickling, and drying	1,115	976	1,036	758	702	668	732	695	808	931	-165	-15.1%	-1.7%
Fluid milk and butter manufacturing	420	639	706	340	292	320	345	309	34	370	-43	-10.4%	-1.2%
Cheese manufacturing	4	6	4	3	10	8	16	16	361	8	5	129.7%	14.4%
Dry, condensed, and evaporated dairy product manufacturing	2	2	10	15	6	7	9	9	6	8	6	276.1%	30.7%
Ice cream and frozen dessert manufacturing	151	146	153	120	137	110	109	117	107	913	-47	-31.7%	-3.5%
Animal, except poultry, slaughtering, rendering, and meat byproduct processing	230	146	146	255	233	271	290	291	1,079	503	278	122.9%	13.7%
Poultry processing	175	293	344	154	146	152	158	156	167	139	-34	-19.6%	-2.2%
Seafood product preparation and packaging	243	241	263	244	258	302	294	299	144	259	20	8.3%	0.9%
Bread and bakery product manufacturing	925	953	998	1,651	1,948	2,032	2,140	2,060	2,156	1,967	1,056	116.1%	12.9%
Cookie and cracker manufacturing	258	233	266	248	252	275	309	286	225	227	-27	-10.7%	-1.2%
Tortilla manufacturing	9	24	19	14	14	14	41	55	62	76	67	781.7%	86.9%
Snack food manufacturing	272	242	318	244	235	223	234	222	432	470	202	75.6%	8.4%

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Sector	Value Added Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Coffee and tea manufacturing	246	239	309	234	245	233	191	163	147	151	-91	-37.5%	-4.2%
Flavoring syrup and concentrate manufacturing	97	110	189	85	115	90	176	446	370	273	178	185.9%	20.7%
Seasoning and dressing manufacturing	349	319	325	280	295	289	349	407	427	466	122	35.7%	4.0%
All other food manufacturing	469	467	486	406	392	419	449	418	461	491	30	6.6%	0.7%
Soft drink and ice manufacturing	1,929	1,805	1,961	2,301	2,150	1,947	2,454	2,083	2,166	1,901	4	0.2%	0.0%
Breweries	731	588	591	601	702	793	723	744	843	706	-13	-1.8%	-0.2%
Wineries	43	28	19	23	59	73	76	76	88	75	33	76.7%	8.5%
Distilleries	296	198	368	385	298	357	458	317	285	290	-1	-0.3%	0.0%
Tobacco product manufacturing	2,824	1,361	3,373	2,183	1,959	2,060	2,621	2,691	2,331	2,556	-222	-8.0%	-0.9%
Forest Products Manufacturing	4,140	4,513	4,892	4,515	4,311	4,712	4,901	4,905	5,324	5,625	1,485	35.9%	4.0%
Sawmills and wood preservation	221	270	266	373	353	394	399	428	559	520	302	138.7%	15.4%
Veneer and plywood manufacturing	130	195	85	66	60	74	101	122	85	93	-34	-26.9%	-3.0%
Engineered wood member and truss manufacturing	189	269	223	300	356	422	457	503	640	714	528	283.3%	31.5%
Reconstituted wood product manufacturing	19	27	13	41	33	28	62	90	126	201	183	998.7%	111.0%
Wood windows and doors and millwork manufacturing	283	312	300	167	177	202	200	218	240	513	-47	-16.8%	-1.9%
Wood container and pallet manufacturing	110	168	159	184	161	180	189	170	189	208	100	92.2%	10.2%
All other miscellaneous wood product manufacturing	90	105	87	143	138	143	128	136	152	140	51	58.1%	6.5%
Pulp mills	332	386	457	404	286	355	345	315	293	107	-219	-67.2%	-7.5%
Paper mills	582	567	704	482	476	473	526	516	583	632	60	10.5%	1.2%
Paperboard mills	430	397	493	358	338	356	344	348	400	811	388	91.9%	10.2%
Paperboard container manufacturing	610	634	649	609	631	681	707	691	665	689	90	14.9%	1.7%
Coated and laminated paper and packaging paper	106	96	120	154	164	184	190	149	136	0	48	46.1%	5.1%
All other paper bag, coated, and treated paper manufacturing	41	42	51	233	227	246	246	229	269	152	241	593.0%	65.9%
Stationery product manufacturing	169	180	182	158	160	170	114	99	89	78	-88	-52.9%	-5.9%
Sanitary paper product manufacturing	760	818	1,054	796	708	753	839	831	829	691	-57	-7.6%	-0.8%
All other converted paper product manufacturing	68	48	50	46	44	51	54	61	71	74	7	10.4%	1.2%
Agricultural Inputs & Services	11,232	9,885	11,316	12,077	12,740	13,563	14,359	13,760	13,681	14,612	3,380	30.1%	3.3%
Fertilizer manufacturing	3,103	2,501	3,345	3,272	3,328	3,085	3,052	2,189	2,060	1,900	-1,151	-37.7%	-4.2%

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Sector	Value Added Contributions (M\$)										Change 2010-19	% Change 2010-2019	Average Annual % Change 2010-2019
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Pesticide and other agricultural chemical manufacturing	79	44	153	99	131	134	113	117	87	63	-15	-18.8%	-2.1%
Farm machinery and equipment manufacturing	52	21	94	57	72	84	89	70	135	154	103	199.1%	22.1%
Lawn and garden equipment manufacturing	19	13	20	16	27	55	64	40	62	60	42	226.3%	25.1%
Veterinary services	1,717	1,740	1,690	1,979	2,167	2,383	2,656	2,769	2,099	2,158	469	27.8%	3.1%
Landscape services	5,061	4,517	4,889	1,219	1,367	1,557	1,721	1,738	1,926	8,566	3,589	72.1%	8.0%
Services to buildings and dwellings	1,201	1,050	1,126	5,435	5,648	6,265	6,664	6,837	7,311	1,710	529	44.8%	5.0%
Food & Kindred Products Distribution	75,473	77,251	79,818	85,886	88,746	95,270	98,713	98,964	103,202	108,313	34,081	45.2%	5.0%
Wholesale trade businesses	15,676	16,312	18,083	20,645	21,643	23,249	23,269	23,331	21,601	22,611	7,193	46.7%	5.2%
Retail Stores - Building material and garden supplies stores	524	532	555	14,592	14,645	15,531	15,811	15,364	15,495	840	324	62.9%	7.0%
Retail Stores - Food and beverage	14,660	14,659	14,912	670	716	763	794	831	824	16,091	1,672	11.6%	1.3%
Food services and drinking places	44,612	45,749	46,268	49,978	51,742	55,727	58,838	59,439	65,282	68,771	24,893	56.7%	6.3%
Nature-based Recreation - Golf courses	1,656	1,518	1,511	1,822	1,865	2,136	2,092	2,110	1,631	1,605	-51	-3.1%	-0.3%
Other amusement and recreation industries	1,656	1,518	1,511	1,822	1,865	2,136	2,092	2,110	1,631	1,605	-51	-3.1%	-0.3%
Total	118,110	117,592	125,471	130,184	134,049	139,390	145,719	145,163	152,242	159,740	41,630	35.2%	3.9%



APPENDIX C

County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Alachua	26,783	2,415	38,894	4,375	1,959
Agricultural Inputs & Services	2,076	172	2,829	295	151
Crop, Livestock, Forestry & Fisheries Production	3,571	150	4,299	222	120
Food & Kindred Products Distribution	18,791	1,430	26,303	2,650	1,413
Food & Kindred Products Manufacturing	756	198	1,296	294	83
Forest Products Manufacturing	404	124	825	199	68
Mining	1,103	337	3,236	708	122
Nature-based Recreation	82	4	106	7	3
Baker	1,567	116	2,175	200	90
Agricultural Inputs & Services	298	18	409	32	12
Crop, Livestock, Forestry & Fisheries Production	335	19	432	25	9
Food & Kindred Products Distribution	854	67	1,205	121	60
Food & Kindred Products Manufacturing	73	11	115	19	8
Forest Products Manufacturing	6	1	13	2	0
Mining	0	0	0	0	0
Nature-based Recreation	0	0	0	0	0
Bay	18,218	1,578	25,523	2,797	1,611
Agricultural Inputs & Services	1,368	98	1,865	176	86
Crop, Livestock, Forestry & Fisheries Production	552	51	684	79	57
Food & Kindred Products Distribution	15,160	1,094	20,760	2,005	1,061
Food & Kindred Products Manufacturing	382	87	635	132	53
Forest Products Manufacturing	350	185	843	283	116
Mining	165	50	425	97	226
Nature-based Recreation	242	13	313	25	13
Bradford	2,145	244	3,181	421	206
Agricultural Inputs & Services	150	8	205	15	5
Crop, Livestock, Forestry & Fisheries Production	636	26	740	37	17
Food & Kindred Products Distribution	962	70	1,361	129	60
Food & Kindred Products Manufacturing	144	42	345	72	17
Forest Products Manufacturing	75	21	160	36	12
Mining	172	78	363	132	96
Nature-based Recreation	6	0	8	0	0
Brevard	39,425	3,244	54,620	5,745	2,926
Agricultural Inputs & Services	3,653	288	4,962	507	270
Crop, Livestock, Forestry & Fisheries Production	807	110	993	153	100
Food & Kindred Products Distribution	32,469	2,303	44,403	4,229	2,230
Food & Kindred Products Manufacturing	1,207	367	2,100	524	190
Forest Products Manufacturing	227	61	452	101	35
Mining	231	68	637	139	53
Nature-based Recreation	832	47	1,073	92	48
Broward	133,254	13,264	192,746	23,641	12,811
Agricultural Inputs & Services	11,381	936	15,495	1,652	896
Crop, Livestock, Forestry & Fisheries Production	1,448	68	1,820	104	68
Food & Kindred Products Distribution	112,597	10,317	161,992	18,926	10,791
Food & Kindred Products Manufacturing	5,131	1,508	8,664	2,163	768
Forest Products Manufacturing	751	198	1,419	317	124
Mining	538	163	1,541	335	93
Nature-based Recreation	1,406	75	1,815	144	71

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Calhoun	940	80	1,300	137	65
Agricultural Inputs & Services	14	1	19	2	2
Crop, Livestock, Forestry & Fisheries Production	509	39	610	61	33
Food & Kindred Products Distribution	388	33	610	62	25
Food & Kindred Products Manufacturing	13	3	21	4	1
Forest Products Manufacturing	1	0	3	1	0
Mining	14	4	35	7	4
Nature-based Recreation	1	0	2	0	0
Charlotte	11,616	921	15,953	1,648	1,375
Agricultural Inputs & Services	1,196	90	1,622	159	82
Crop, Livestock, Forestry & Fisheries Production	951	79	1,175	120	74
Food & Kindred Products Distribution	8,652	622	11,815	1,140	609
Food & Kindred Products Manufacturing	234	32	329	48	19
Forest Products Manufacturing	152	32	283	54	16
Mining	144	51	359	98	559
Nature-based Recreation	286	15	369	29	14
Citrus	7,598	574	10,396	1,016	513
Agricultural Inputs & Services	1,054	90	1,445	150	70
Crop, Livestock, Forestry & Fisheries Production	803	25	941	36	23
Food & Kindred Products Distribution	5,229	357	7,105	658	344
Food & Kindred Products Manufacturing	183	32	269	48	19
Forest Products Manufacturing	65	14	121	23	7
Mining	129	50	344	89	46
Nature-based Recreation	133	6	172	12	5
Clay	12,961	1,252	19,295	2,248	931
Agricultural Inputs & Services	1,771	139	2,414	243	121
Crop, Livestock, Forestry & Fisheries Production	461	15	586	23	13
Food & Kindred Products Distribution	9,275	698	13,096	1,280	631
Food & Kindred Products Manufacturing	486	147	840	207	49
Forest Products Manufacturing	6	1	11	2	1
Mining	842	246	2,194	483	112
Nature-based Recreation	120	5	155	10	4
Collier	41,390	3,594	57,150	6,476	3,843
Agricultural Inputs & Services	7,002	639	9,675	1,139	636
Crop, Livestock, Forestry & Fisheries Production	4,718	348	5,847	527	332
Food & Kindred Products Distribution	26,041	2,113	35,745	3,885	2,283
Food & Kindred Products Manufacturing	928	143	1,340	217	92
Forest Products Manufacturing	63	18	116	30	18
Mining	649	194	1,859	407	317
Nature-based Recreation	1,989	140	2,568	271	165
Columbia	6,164	568	8,686	968	641
Agricultural Inputs & Services	307	24	417	43	23
Crop, Livestock, Forestry & Fisheries Production	1,414	63	1,643	93	45
Food & Kindred Products Distribution	3,913	316	5,628	580	293
Food & Kindred Products Manufacturing	284	106	508	147	41
Forest Products Manufacturing	195	48	387	82	27
Mining	24	10	71	21	211
Nature-based Recreation	25	1	33	2	1

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
DeSoto	5,456	479	6,968	755	427
Agricultural Inputs & Services	368	27	502	49	25
Crop, Livestock, Forestry & Fisheries Production	3,865	289	4,625	436	264
Food & Kindred Products Distribution	977	77	1,355	141	75
Food & Kindred Products Manufacturing	184	75	364	107	38
Forest Products Manufacturing	29	6	53	10	3
Mining	17	5	47	11	21
Nature-based Recreation	17	1	21	1	0
Dixie	1,380	198	2,224	341	134
Agricultural Inputs & Services	117	6	160	11	3
Crop, Livestock, Forestry & Fisheries Production	427	27	513	41	24
Food & Kindred Products Distribution	339	25	485	45	21
Food & Kindred Products Manufacturing	17	3	25	4	1
Forest Products Manufacturing	463	133	993	230	79
Mining	15	4	43	9	5
Nature-based Recreation	3	0	4	0	0
Duval	80,399	10,240	120,276	17,134	7,686
Agricultural Inputs & Services	6,054	548	8,262	958	544
Crop, Livestock, Forestry & Fisheries Production	876	83	1,051	113	88
Food & Kindred Products Distribution	64,526	5,436	92,163	9,961	5,387
Food & Kindred Products Manufacturing	4,985	2,668	9,758	3,657	1,729
Forest Products Manufacturing	2,298	1,217	5,828	1,886	702
Mining	741	241	2,025	467	-810
Nature-based Recreation	920	48	1,187	93	45
Escambia	26,851	2,736	38,752	4,736	2,056
Agricultural Inputs & Services	1,727	145	2,343	252	139
Crop, Livestock, Forestry & Fisheries Production	1,320	68	1,532	104	59
Food & Kindred Products Distribution	21,939	1,671	30,649	3,072	1,613
Food & Kindred Products Manufacturing	510	91	772	136	47
Forest Products Manufacturing	894	679	2,549	1,012	412
Mining	248	71	632	137	-223
Nature-based Recreation	214	11	276	22	10
Flagler	8,276	700	11,936	1,299	595
Agricultural Inputs & Services	2,302	188	3,163	335	174
Crop, Livestock, Forestry & Fisheries Production	669	23	809	35	19
Food & Kindred Products Distribution	4,588	329	6,312	607	317
Food & Kindred Products Manufacturing	129	19	186	29	12
Forest Products Manufacturing	21	5	39	7	2
Mining	421	127	1,237	269	63
Nature-based Recreation	146	8	188	16	8
Franklin	1,282	139	1,843	233	122
Agricultural Inputs & Services	117	6	160	11	4
Crop, Livestock, Forestry & Fisheries Production	151	5	166	7	6
Food & Kindred Products Distribution	846	72	1,207	134	77
Food & Kindred Products Manufacturing	139	50	250	70	19
Forest Products Manufacturing	1	0	3	1	0
Mining	12	4	35	8	16
Nature-based Recreation	16	1	21	2	1

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Gadsden	3,763	410	5,648	682	343
Agricultural Inputs & Services	261	16	353	29	12
Crop, Livestock, Forestry & Fisheries Production	1,793	101	2,362	151	78
Food & Kindred Products Distribution	1,207	134	2,009	255	127
Food & Kindred Products Manufacturing	75	27	122	34	8
Forest Products Manufacturing	252	64	456	100	32
Mining	151	67	316	111	86
Nature-based Recreation	23	1	29	1	0
Gilchrist	1,730	190	2,351	296	131
Agricultural Inputs & Services	153	16	232	27	7
Crop, Livestock, Forestry & Fisheries Production	1,111	111	1,389	164	68
Food & Kindred Products Distribution	380	27	535	50	24
Food & Kindred Products Manufacturing	64	29	140	43	9
Forest Products Manufacturing	6	1	11	2	1
Mining	15	5	43	10	22
Nature-based Recreation	1	0	1	0	0
Glades	1,641	188	2,118	286	167
Agricultural Inputs & Services	85	48	165	61	23
Crop, Livestock, Forestry & Fisheries Production	1,431	122	1,757	194	113
Food & Kindred Products Distribution	99	8	139	14	8
Food & Kindred Products Manufacturing	7	1	11	2	0
Forest Products Manufacturing	1	0	3	1	0
Mining	15	8	38	13	21
Nature-based Recreation	5	0	6	1	0
Gulf	1,001	79	1,388	143	106
Agricultural Inputs & Services	71	5	97	9	4
Crop, Livestock, Forestry & Fisheries Production	139	4	151	6	4
Food & Kindred Products Distribution	717	54	1,004	100	53
Food & Kindred Products Manufacturing	35	5	51	7	2
Forest Products Manufacturing	25	7	46	11	6
Mining	14	5	37	9	36
Nature-based Recreation	0	0	0	0	0
Hamilton	1,530	521	2,618	716	254
Agricultural Inputs & Services	457	408	1,211	538	175
Crop, Livestock, Forestry & Fisheries Production	727	65	862	99	52
Food & Kindred Products Distribution	273	21	391	39	19
Food & Kindred Products Manufacturing	43	20	92	27	3
Forest Products Manufacturing	17	4	33	7	3
Mining	7	2	22	5	1
Nature-based Recreation	5	0	7	1	1
Hardee	4,665	540	6,347	821	394
Agricultural Inputs & Services	239	41	360	59	20
Crop, Livestock, Forestry & Fisheries Production	3,316	304	4,105	453	252
Food & Kindred Products Distribution	707	58	1,020	105	50
Food & Kindred Products Manufacturing	160	71	323	99	19
Forest Products Manufacturing	37	10	80	17	4
Mining	203	56	452	87	48
Nature-based Recreation	4	0	5	0	0

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Hendry	9,731	980	12,568	1,519	808
Agricultural Inputs & Services	219	21	309	33	13
Crop, Livestock, Forestry & Fisheries Production	7,660	624	9,320	971	586
Food & Kindred Products Distribution	1,405	104	1,957	190	96
Food & Kindred Products Manufacturing	416	222	904	305	77
Forest Products Manufacturing	2	1	3	1	0
Mining	26	8	71	17	36
Nature-based Recreation	3	0	4	0	0
Hernando	10,765	791	14,661	1,395	679
Agricultural Inputs & Services	1,202	86	1,628	152	74
Crop, Livestock, Forestry & Fisheries Production	1,003	36	1,200	55	32
Food & Kindred Products Distribution	7,994	557	10,961	1,028	525
Food & Kindred Products Manufacturing	349	81	518	110	28
Forest Products Manufacturing	47	10	88	17	5
Mining	41	13	99	21	10
Nature-based Recreation	129	6	167	12	5
Highlands	8,482	742	11,489	1,227	634
Agricultural Inputs & Services	720	88	1,085	145	47
Crop, Livestock, Forestry & Fisheries Production	3,326	277	4,145	411	237
Food & Kindred Products Distribution	4,097	311	5,703	569	295
Food & Kindred Products Manufacturing	185	52	322	75	19
Forest Products Manufacturing	3	1	7	1	0
Mining	21	7	60	14	32
Nature-based Recreation	129	6	167	12	5
Hillsborough	119,096	14,323	176,637	24,086	11,942
Agricultural Inputs & Services	10,015	1,561	14,729	2,428	1,177
Crop, Livestock, Forestry & Fisheries Production	9,173	623	11,374	908	548
Food & Kindred Products Distribution	89,495	8,041	130,131	14,834	8,149
Food & Kindred Products Manufacturing	7,522	3,389	15,054	4,766	1,725
Forest Products Manufacturing	1,395	536	2,907	812	298
Mining	401	122	1,028	239	2
Nature-based Recreation	1,095	51	1,413	99	42
Holmes	1,657	103	2,216	174	66
Agricultural Inputs & Services	29	2	40	4	2
Crop, Livestock, Forestry & Fisheries Production	1,007	37	1,159	54	25
Food & Kindred Products Distribution	524	40	815	75	28
Food & Kindred Products Manufacturing	33	6	53	10	2
Forest Products Manufacturing	12	4	28	7	2
Mining	51	13	119	24	8
Nature-based Recreation	1	0	2	0	0
Indian River	13,475	1,168	18,452	2,041	1,076
Agricultural Inputs & Services	2,088	180	2,897	319	162
Crop, Livestock, Forestry & Fisheries Production	2,312	188	2,749	283	191
Food & Kindred Products Distribution	7,862	588	10,821	1,081	592
Food & Kindred Products Manufacturing	377	102	619	145	49
Forest Products Manufacturing	47	20	97	30	14
Mining	173	49	474	101	21
Nature-based Recreation	616	42	796	81	48

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Jackson	4,542	519	6,236	859	795
Agricultural Inputs & Services	189	12	258	22	9
Crop, Livestock, Forestry & Fisheries Production	1,841	160	2,124	251	128
Food & Kindred Products Distribution	1,864	127	2,571	235	115
Food & Kindred Products Manufacturing	142	72	265	100	46
Forest Products Manufacturing	431	111	832	190	90
Mining	66	36	174	61	407
Nature-based Recreation	9	0	11	1	0
Jefferson	1,417	84	1,834	135	78
Agricultural Inputs & Services	129	7	175	13	4
Crop, Livestock, Forestry & Fisheries Production	930	44	1,134	64	41
Food & Kindred Products Distribution	321	24	450	44	22
Food & Kindred Products Manufacturing	13	3	21	5	1
Forest Products Manufacturing	2	1	5	1	0
Mining	12	4	35	8	10
Nature-based Recreation	10	0	13	1	0
Lafayette	554	118	740	173	64
Agricultural Inputs & Services	14	4	28	7	2
Crop, Livestock, Forestry & Fisheries Production	380	93	458	132	48
Food & Kindred Products Distribution	115	10	172	18	9
Food & Kindred Products Manufacturing	12	2	19	3	1
Forest Products Manufacturing	23	5	43	8	2
Mining	8	3	19	5	2
Nature-based Recreation	1	0	1	0	0
Lake	27,407	2,775	38,824	4,655	2,251
Agricultural Inputs & Services	4,488	377	6,240	661	312
Crop, Livestock, Forestry & Fisheries Production	3,149	305	3,946	457	253
Food & Kindred Products Distribution	16,841	1,210	23,204	2,215	1,148
Food & Kindred Products Manufacturing	1,848	739	3,683	1,061	288
Forest Products Manufacturing	159	40	301	65	23
Mining	211	73	532	137	205
Nature-based Recreation	712	30	919	59	22
Lee	61,786	5,366	86,644	9,665	4,890
Agricultural Inputs & Services	9,405	851	12,940	1,523	864
Crop, Livestock, Forestry & Fisheries Production	2,966	172	3,693	262	156
Food & Kindred Products Distribution	44,695	3,504	61,994	6,441	3,560
Food & Kindred Products Manufacturing	1,607	307	2,423	451	157
Forest Products Manufacturing	210	54	394	87	31
Mining	965	356	2,699	664	-13
Nature-based Recreation	1,938	122	2,501	236	134
Leon	28,028	2,441	40,800	4,485	1,978
Agricultural Inputs & Services	2,178	182	2,982	314	158
Crop, Livestock, Forestry & Fisheries Production	1,662	62	1,981	89	58
Food & Kindred Products Distribution	21,769	1,522	29,922	2,797	1,428
Food & Kindred Products Manufacturing	706	169	1,136	243	73
Forest Products Manufacturing	86	52	223	77	37
Mining	1,495	449	4,387	953	219
Nature-based Recreation	132	6	171	11	5

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Levy	3,709	332	4,843	540	305
Agricultural Inputs & Services	155	12	208	20	11
Crop, Livestock, Forestry & Fisheries Production	1,965	158	2,294	240	144
Food & Kindred Products Distribution	1,397	100	1,958	184	92
Food & Kindred Products Manufacturing	110	29	188	42	11
Forest Products Manufacturing	11	3	22	5	2
Mining	59	29	157	48	44
Nature-based Recreation	12	1	16	1	1
Liberty	669	240	1,330	365	153
Agricultural Inputs & Services	12	1	16	1	0
Crop, Livestock, Forestry & Fisheries Production	206	15	263	25	16
Food & Kindred Products Distribution	67	4	92	8	4
Food & Kindred Products Manufacturing	9	2	15	3	1
Forest Products Manufacturing	374	217	939	328	130
Mining	1	0	3	1	3
Nature-based Recreation	1	0	1	0	0
Madison	2,059	287	2,911	447	170
Agricultural Inputs & Services	51	17	98	26	9
Crop, Livestock, Forestry & Fisheries Production	1,091	109	1,312	159	65
Food & Kindred Products Distribution	613	51	888	93	45
Food & Kindred Products Manufacturing	149	74	331	109	31
Forest Products Manufacturing	137	32	237	51	18
Mining	12	4	38	9	2
Nature-based Recreation	6	0	7	1	0
Manatee	38,542	4,253	56,471	7,273	3,365
Agricultural Inputs & Services	4,163	473	5,898	773	375
Crop, Livestock, Forestry & Fisheries Production	7,138	469	9,026	716	383
Food & Kindred Products Distribution	22,719	1,819	31,926	3,362	1,841
Food & Kindred Products Manufacturing	2,121	919	3,959	1,289	501
Forest Products Manufacturing	341	116	680	178	68
Mining	1,372	416	4,096	876	154
Nature-based Recreation	687	41	887	79	42
Marion	26,820	2,472	37,501	4,194	2,062
Agricultural Inputs & Services	2,846	246	3,932	420	195
Crop, Livestock, Forestry & Fisheries Production	5,827	255	6,913	384	253
Food & Kindred Products Distribution	15,773	1,230	22,232	2,265	1,177
Food & Kindred Products Manufacturing	1,196	460	2,189	649	206
Forest Products Manufacturing	490	145	946	228	88
Mining	280	114	765	206	123
Nature-based Recreation	407	22	525	42	20
Martin	16,445	1,539	23,119	2,691	1,446
Agricultural Inputs & Services	2,707	234	3,714	416	229
Crop, Livestock, Forestry & Fisheries Production	1,478	176	1,850	261	157
Food & Kindred Products Distribution	10,724	835	14,924	1,523	823
Food & Kindred Products Manufacturing	542	137	891	199	63
Forest Products Manufacturing	141	33	256	54	22
Mining	266	84	727	162	108
Nature-based Recreation	586	39	757	76	45

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Miami-Dade	197,668	24,570	294,791	41,730	22,681
Agricultural Inputs & Services	11,304	962	15,536	1,674	850
Crop, Livestock, Forestry & Fisheries Production	9,444	1,032	12,249	1,554	844
Food & Kindred Products Distribution	160,942	15,744	236,127	28,977	16,731
Food & Kindred Products Manufacturing	11,654	5,410	22,295	7,282	2,861
Forest Products Manufacturing	1,902	802	3,971	1,169	394
Mining	1,052	546	2,844	931	928
Nature-based Recreation	1,371	75	1,769	144	73
Monroe	12,396	1,215	17,101	2,098	1,224
Agricultural Inputs & Services	1,104	86	1,502	154	82
Crop, Livestock, Forestry & Fisheries Production	742	102	855	134	114
Food & Kindred Products Distribution	9,767	814	13,325	1,491	901
Food & Kindred Products Manufacturing	366	156	709	208	68
Forest Products Manufacturing	10	2	19	3	1
Mining	120	35	323	72	36
Nature-based Recreation	286	19	369	37	22
Nassau	7,830	1,410	13,072	2,339	1,027
Agricultural Inputs & Services	738	58	1,002	102	55
Crop, Livestock, Forestry & Fisheries Production	690	42	922	64	40
Food & Kindred Products Distribution	4,817	370	6,666	675	363
Food & Kindred Products Manufacturing	151	30	226	44	18
Forest Products Manufacturing	1,216	879	3,846	1,390	522
Mining	78	23	228	49	22
Nature-based Recreation	141	8	182	16	8
Okaloosa	19,810	1,552	27,080	2,777	1,507
Agricultural Inputs & Services	1,493	117	2,029	205	107
Crop, Livestock, Forestry & Fisheries Production	746	29	853	40	26
Food & Kindred Products Distribution	16,569	1,185	22,410	2,171	1,176
Food & Kindred Products Manufacturing	479	129	794	186	61
Forest Products Manufacturing	53	29	148	47	17
Mining	160	46	446	94	103
Nature-based Recreation	310	17	400	34	17
Okeechobee	4,063	581	5,927	876	352
Agricultural Inputs & Services	426	53	613	83	36
Crop, Livestock, Forestry & Fisheries Production	1,541	250	2,262	359	146
Food & Kindred Products Distribution	1,863	136	2,587	250	126
Food & Kindred Products Manufacturing	190	134	396	169	34
Forest Products Manufacturing	1	0	3	1	0
Mining	13	6	30	11	9
Nature-based Recreation	28	2	36	4	2
Orange	154,504	15,587	221,346	27,306	14,341
Agricultural Inputs & Services	10,406	1,147	14,487	1,926	1,070
Crop, Livestock, Forestry & Fisheries Production	2,625	298	3,415	446	244
Food & Kindred Products Distribution	131,623	11,181	185,700	20,561	11,500
Food & Kindred Products Manufacturing	7,105	2,464	13,015	3,501	1,032
Forest Products Manufacturing	853	273	1,665	421	160
Mining	413	123	1,156	255	219
Nature-based Recreation	1,478	100	1,908	194	116

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Osceola	25,060	2,289	36,026	4,092	1,989
Agricultural Inputs & Services	1,651	126	2,243	225	119
Crop, Livestock, Forestry & Fisheries Production	482	98	617	147	85
Food & Kindred Products Distribution	21,318	1,684	30,408	3,142	1,625
Food & Kindred Products Manufacturing	1,106	300	1,876	434	112
Forest Products Manufacturing	276	58	522	98	30
Mining	41	12	120	26	7
Nature-based Recreation	186	10	240	19	10
Palm Beach	135,082	14,555	194,490	25,505	18,003
Agricultural Inputs & Services	15,392	1,406	21,296	2,478	1,329
Crop, Livestock, Forestry & Fisheries Production	11,698	1,576	14,579	2,493	1,399
Food & Kindred Products Distribution	96,563	8,221	137,199	15,260	8,613
Food & Kindred Products Manufacturing	5,407	2,427	11,263	3,491	1,093
Forest Products Manufacturing	629	165	1,224	265	92
Mining	1,285	472	3,628	963	5,140
Nature-based Recreation	4,107	287	5,301	555	337
Pasco	27,694	2,296	38,586	4,039	2,134
Agricultural Inputs & Services	3,805	291	5,198	509	247
Crop, Livestock, Forestry & Fisheries Production	1,789	83	2,196	118	64
Food & Kindred Products Distribution	20,363	1,475	28,085	2,713	1,411
Food & Kindred Products Manufacturing	1,102	336	1,956	495	160
Forest Products Manufacturing	52	15	111	25	7
Mining	205	78	553	145	230
Nature-based Recreation	377	18	487	35	15
Pinellas	75,769	6,848	106,334	11,973	6,127
Agricultural Inputs & Services	5,974	498	8,106	873	484
Crop, Livestock, Forestry & Fisheries Production	533	32	638	46	33
Food & Kindred Products Distribution	64,041	4,810	88,404	8,831	4,780
Food & Kindred Products Manufacturing	3,063	1,074	5,268	1,471	500
Forest Products Manufacturing	660	236	1,332	363	146
Mining	432	140	1,211	279	130
Nature-based Recreation	1,065	57	1,375	110	54
Polk	53,047	8,902	81,902	13,890	4,432
Agricultural Inputs & Services	6,182	2,140	10,943	2,983	1,183
Crop, Livestock, Forestry & Fisheries Production	7,210	500	8,610	754	481
Food & Kindred Products Distribution	29,800	2,491	43,096	4,608	2,398
Food & Kindred Products Manufacturing	5,943	2,504	11,347	3,504	1,179
Forest Products Manufacturing	2,647	841	5,309	1,326	475
Mining	886	404	2,109	671	-1,307
Nature-based Recreation	378	22	488	43	24
Putnam	5,055	1,297	8,433	1,880	770
Agricultural Inputs & Services	637	73	900	110	44
Crop, Livestock, Forestry & Fisheries Production	708	65	933	94	46
Food & Kindred Products Distribution	2,317	166	3,190	305	157
Food & Kindred Products Manufacturing	143	35	283	58	17
Forest Products Manufacturing	1,191	944	3,004	1,287	495
Mining	44	14	105	25	10
Nature-based Recreation	15	1	19	1	1

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Santa Rosa	11,466	963	16,276	1,704	-3,597
Agricultural Inputs & Services	1,018	78	1,383	138	72
Crop, Livestock, Forestry & Fisheries Production	1,254	69	1,452	108	58
Food & Kindred Products Distribution	8,277	633	11,623	1,162	593
Food & Kindred Products Manufacturing	354	91	563	126	30
Forest Products Manufacturing	267	62	517	105	32
Mining	227	28	649	59	-4,386
Nature-based Recreation	69	3	89	6	3
Sarasota	35,215	3,189	49,975	5,743	3,074
Agricultural Inputs & Services	4,718	395	6,426	706	400
Crop, Livestock, Forestry & Fisheries Production	674	38	846	57	33
Food & Kindred Products Distribution	27,237	2,233	38,212	4,121	2,320
Food & Kindred Products Manufacturing	889	259	1,471	355	115
Forest Products Manufacturing	123	39	261	60	17
Mining	475	162	1,341	321	125
Nature-based Recreation	1,099	63	1,419	122	65
Seminole	36,560	3,470	51,700	6,064	3,165
Agricultural Inputs & Services	5,532	527	7,629	923	515
Crop, Livestock, Forestry & Fisheries Production	528	41	648	61	37
Food & Kindred Products Distribution	27,469	2,109	38,038	3,855	2,063
Food & Kindred Products Manufacturing	1,774	372	2,776	553	209
Forest Products Manufacturing	824	362	1,847	553	199
Mining	138	44	382	89	129
Nature-based Recreation	294	15	380	30	14
St. Johns	22,616	2,069	32,963	3,798	1,842
Agricultural Inputs & Services	2,524	212	3,465	368	188
Crop, Livestock, Forestry & Fisheries Production	1,105	84	1,393	126	67
Food & Kindred Products Distribution	16,768	1,282	23,333	2,370	1,293
Food & Kindred Products Manufacturing	479	93	747	140	46
Forest Products Manufacturing	200	73	395	111	48
Mining	999	296	2,929	622	169
Nature-based Recreation	543	31	701	59	31
St. Lucie	18,883	2,078	27,122	3,502	1,680
Agricultural Inputs & Services	1,966	195	2,773	327	154
Crop, Livestock, Forestry & Fisheries Production	2,126	194	2,527	288	190
Food & Kindred Products Distribution	12,548	1,006	17,708	1,860	992
Food & Kindred Products Manufacturing	1,243	490	2,311	688	211
Forest Products Manufacturing	591	138	1,098	231	89
Mining	125	38	338	76	27
Nature-based Recreation	283	16	366	32	17
Sumter	9,208	790	12,816	1,376	1,191
Agricultural Inputs & Services	1,201	118	1,694	206	101
Crop, Livestock, Forestry & Fisheries Production	1,607	63	1,999	90	44
Food & Kindred Products Distribution	5,649	394	7,629	722	390
Food & Kindred Products Manufacturing	177	51	281	70	21
Forest Products Manufacturing	265	90	599	153	55
Mining	139	65	395	120	572
Nature-based Recreation	170	9	220	17	8

(Continued on next page)

County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Suwannee	5,490	831	7,709	1,236	640
Agricultural Inputs & Services	551	87	871	141	52
Crop, Livestock, Forestry & Fisheries Production	2,242	264	2,692	367	141
Food & Kindred Products Distribution	1,410	117	2,024	215	110
Food & Kindred Products Manufacturing	1,067	292	1,632	389	102
Forest Products Manufacturing	158	47	344	81	29
Mining	55	24	139	42	206
Nature-based Recreation	6	0	8	0	0
Taylor	2,020	413	3,271	642	280
Agricultural Inputs & Services	81	5	109	9	4
Crop, Livestock, Forestry & Fisheries Production	669	53	846	85	54
Food & Kindred Products Distribution	730	53	1,019	99	49
Food & Kindred Products Manufacturing	304	164	653	234	83
Forest Products Manufacturing	207	131	587	203	78
Mining	13	6	34	10	13
Nature-based Recreation	17	1	21	1	1
Union	655	59	902	93	33
Agricultural Inputs & Services	40	8	63	11	3
Crop, Livestock, Forestry & Fisheries Production	402	20	491	31	16
Food & Kindred Products Distribution	145	11	196	19	10
Food & Kindred Products Manufacturing	18	9	35	12	2
Forest Products Manufacturing	34	7	72	13	1
Mining	16	4	44	7	1
Nature-based Recreation	1	0	1	0	0
Volusia	45,444	4,498	67,383	8,141	3,621
Agricultural Inputs & Services	3,961	344	5,465	600	300
Crop, Livestock, Forestry & Fisheries Production	4,152	264	4,962	387	210
Food & Kindred Products Distribution	32,581	2,493	45,582	4,589	2,439
Food & Kindred Products Manufacturing	1,246	386	2,142	545	156
Forest Products Manufacturing	341	197	739	308	219
Mining	2,668	790	7,855	1,664	276
Nature-based Recreation	495	24	639	47	21
Wakulla	1,843	144	2,533	244	111
Agricultural Inputs & Services	521	29	711	53	18
Crop, Livestock, Forestry & Fisheries Production	268	11	319	15	11
Food & Kindred Products Distribution	905	61	1,230	112	55
Food & Kindred Products Manufacturing	105	36	182	49	15
Forest Products Manufacturing	1	0	3	1	0
Mining	19	6	56	12	11
Nature-based Recreation	25	1	32	2	1
Walton	10,007	930	14,184	1,673	844
Agricultural Inputs & Services	986	74	1,346	132	68
Crop, Livestock, Forestry & Fisheries Production	1,079	42	1,240	57	27
Food & Kindred Products Distribution	7,127	595	9,748	1,083	640
Food & Kindred Products Manufacturing	210	63	340	86	26
Forest Products Manufacturing	136	31	254	52	18
Mining	379	120	1,139	252	59
Nature-based Recreation	90	5	116	10	5

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County/Industry Group/Sector	Direct Employment (Jobs)	Direct Output (M\$)	Employment Contributions (Jobs)	Output Contributions (M\$)	Value Added Contributions (M\$)
Washington	1,914	154	2,653	264	121
Agricultural Inputs & Services	95	6	128	11	5
Crop, Livestock, Forestry & Fisheries Production	746	26	875	41	23
Food & Kindred Products Distribution	921	67	1,296	124	57
Food & Kindred Products Manufacturing	73	34	181	53	10
Forest Products Manufacturing	50	12	103	21	5
Mining	27	8	68	16	23
Nature-based Recreation	2	0	2	0	0



ECONOMIC CONTRIBUTIONS OF FLORIDA'S AGRICULTURE, NATURAL RESOURCES, AND FOOD INDUSTRIES, 2019

Sales revenue



**AGRICULTURAL
INPUTS & SERVICES
\$17.28 billion**



**CROPS, LIVESTOCK,
FORESTRY, & FISHERIES
\$11.28 billion**



**FOOD & KINDRED
PRODUCTS MANUFACTURING
\$29.84 billion**



**FOREST PRODUCTS
MANUFACTURING
\$9.65 billion**



**MINING
\$7.12 billion**



**NATURE-BASED RECREATION
\$1.45 billion**



**FOOD & KINDRED
PRODUCTS DISTRIBUTION
\$106.01 billion**

**\$182.6
billion**

IN SALES REVENUES

Employment



DIRECT JOBS

Jobs in Florida's agriculture, natural resources, and food industries.

1,750,219



INDIRECT & INDUCED JOBS

Jobs in remaining sectors supported by supply chain spending and responding of income.

754,018

**Employment
contributions
represent
19.8%
OF TOTAL STATE
EMPLOYMENT**

**TOTAL EMPLOYMENT
CONTRIBUTIONS**

2,504,237

Gross state product

GROSS STATE PRODUCT CONTRIBUTIONS

\$159.74 billion

LABOR INCOME CONTRIBUTIONS

Employee wages and fringe benefits

\$96.53 billion

PROPERTY INCOME CONTRIBUTIONS

Rents, dividends,
interest, royalties

\$46.69 billion

**LOCAL, STATE AND FEDERAL
GOVERNMENT TAXES**

Includes total taxes on
production and imports
paid to local, state and
federal governments.

\$16.52 billion



**Gross state
product
contributions
represent
14.8%
OF TOTAL GROSS
STATE PRODUCT**

Value added contributions

**THE VALUE ADDED (LABOR + PROFITS + TAXES)
PER COMMODITY GROUP**



**ENVIRONMENTAL
HORTICULTURE
\$11.27 billion**



**FORESTRY & FOREST
PRODUCTS
\$6.10 billion**



**FRUIT & VEGETABLE FARMING
AND PROCESSING
\$3.40 billion**



**GRAIN & OILSEED FARMING
AND PROCESSING
\$3.26 billion**



**SUGARCANE FARMING,
REFINED SUGAR, &
CONFECTIONS
\$1.29 billion**



**FISHING & SEAFOOD
PRODUCTS
\$672 million**

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On the cover: Shopping basket filled with fruits and vegetables.

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