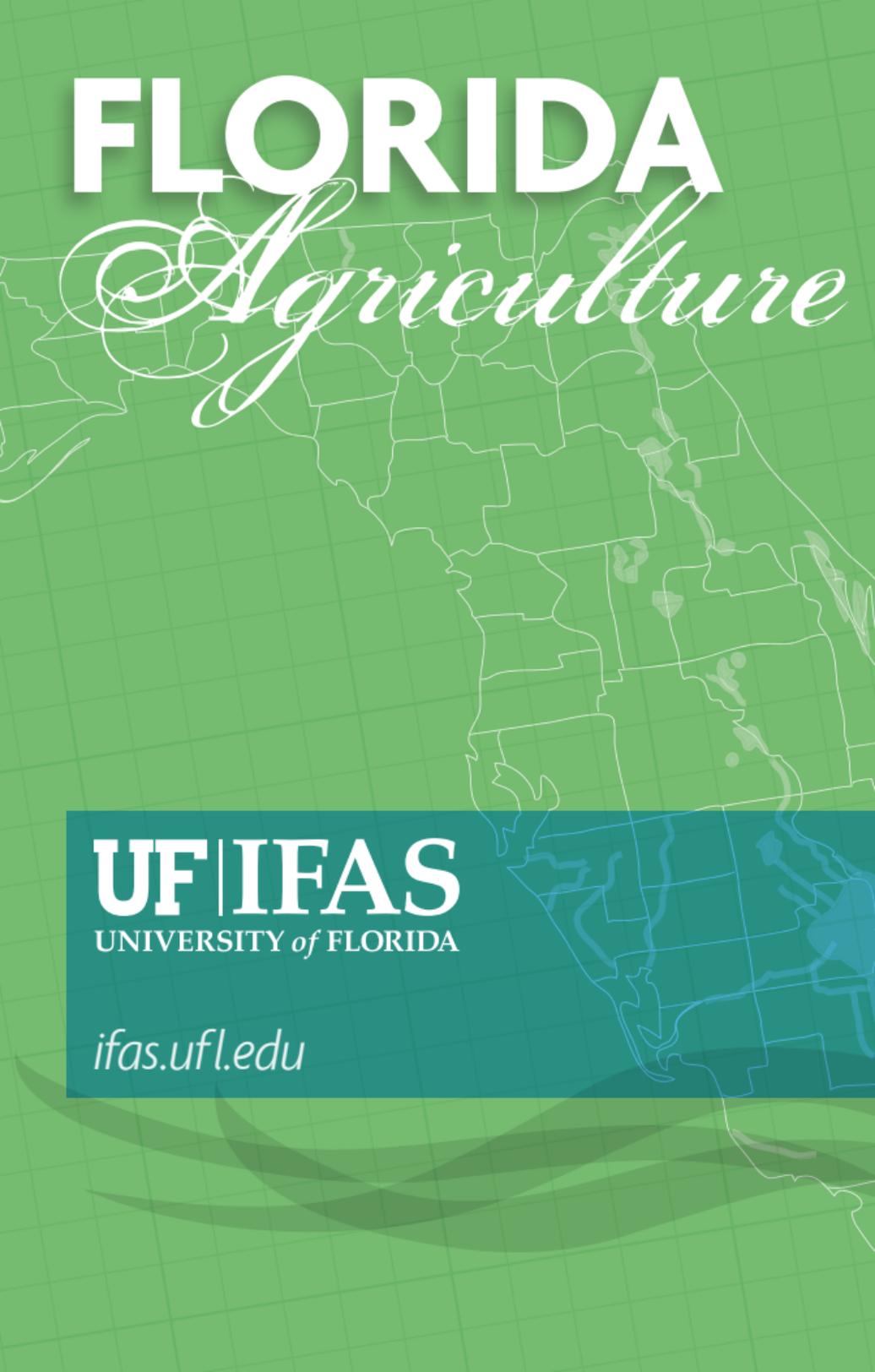


FLORIDA



Agriculture

UF | IFAS
UNIVERSITY *of* FLORIDA

ifas.ufl.edu

Florida

ADVANTAGES

- Water on three sides of the state (Atlantic Ocean, Straits of Florida and Gulf of Mexico)
- Year-round growing season in South Florida, with a tropical climate
- Year-round growing season in Central Florida, with humid, sub-tropical climate
- Average annual rainfall of 54 inches
- 18 international airports
- 15 deepwater ports
- 3 major interstate highways



Florida's agricultural and natural resource industries manage about **two-thirds of the state's land area**. This land is critical to our water supply, air quality, climate, wildlife habitat and outdoor recreation.

Florida

ECONOMIC CONTRIBUTION

AGRICULTURE, NATURAL RESOURCES AND FOOD INDUSTRIES IN FLORIDA IN 2013

Of all Florida industries, the **largest employer segment** is made up of agriculture, natural resources, and food manufacturing, distribution and services.

From UF/IFAS EDIS document FE969,
<http://edis.ifas.ufl.edu/fe969>

\$148.54 billion

in direct industry output

2,157,331

full-time and part-time jobs
total employment contribution

\$123.24 billion

value added contribution to
Gross Domestic Product



Florida

SETTING RECORDS

- **1st** in the U.S. in the value of production of oranges, grapefruit and tropical foliage plants
- **1st** in the production of sugarcane and sweet corn
- **1st** in snap beans, pickling cucumbers, squash, watermelons, cut cultivated greens and fresh market tomatoes



- **2nd** in all fresh market vegetables, bell peppers, strawberries and tangerines
- **2nd** in greenhouse and nursery products
- **3rd** in honey

From 2013 Florida Agriculture by the Numbers, Florida Department of Agriculture and Consumer Services

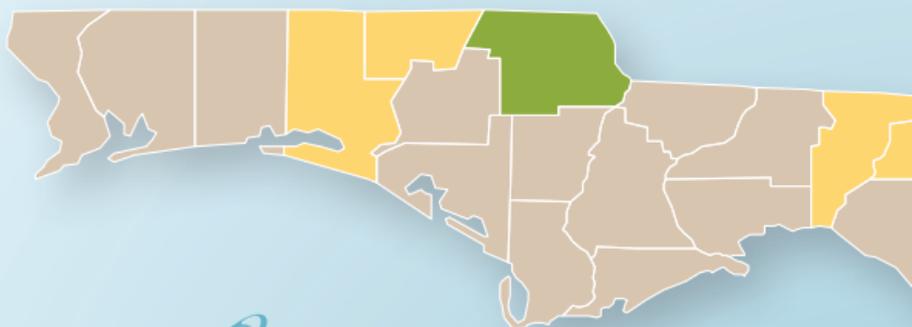


Background **ON FLORIDA AGRICULTURE**

- Historically, the U.S. Farm Bill, through which Congress reauthorizes America's agricultural policy every five years, tends to favor commodity crop states (mostly the Midwestern plains states).
- Commodity crops are considered primarily those crops that benefit from special policies such as direct payments, counter-cyclical payments, and marketing-loan/loan-deficiency payments. These subsidized crops include corn, sorghum, barley, oats, wheat, soybeans, rice, upland cotton, peanuts and oilseeds.
- Florida is not primarily a commodity crop state but a specialty crop state. Florida is the second-largest producer of specialty crops in the nation.

- Specialty crops are defined as fruits and vegetables, tree nuts, dried fruits and nursery crops (including floriculture), and are not subsidized to the same degree as commodity crops.
- Florida, as a specialty crop state, and UF/IFAS, as a research engine, are uniquely positioned with passage of the Farm Bill to successfully compete for a large pool of dollars for specialty crop research, nutrition, pest and disease programs and advancements toward energy independence.
- Florida and UF/IFAS continue to receive important matching funds from USDA for fundamental research and Extension.





Florida **FARMS & FARMLAND**

Total number of farm operations

47,740

Total area in farms

9,548,342 acres

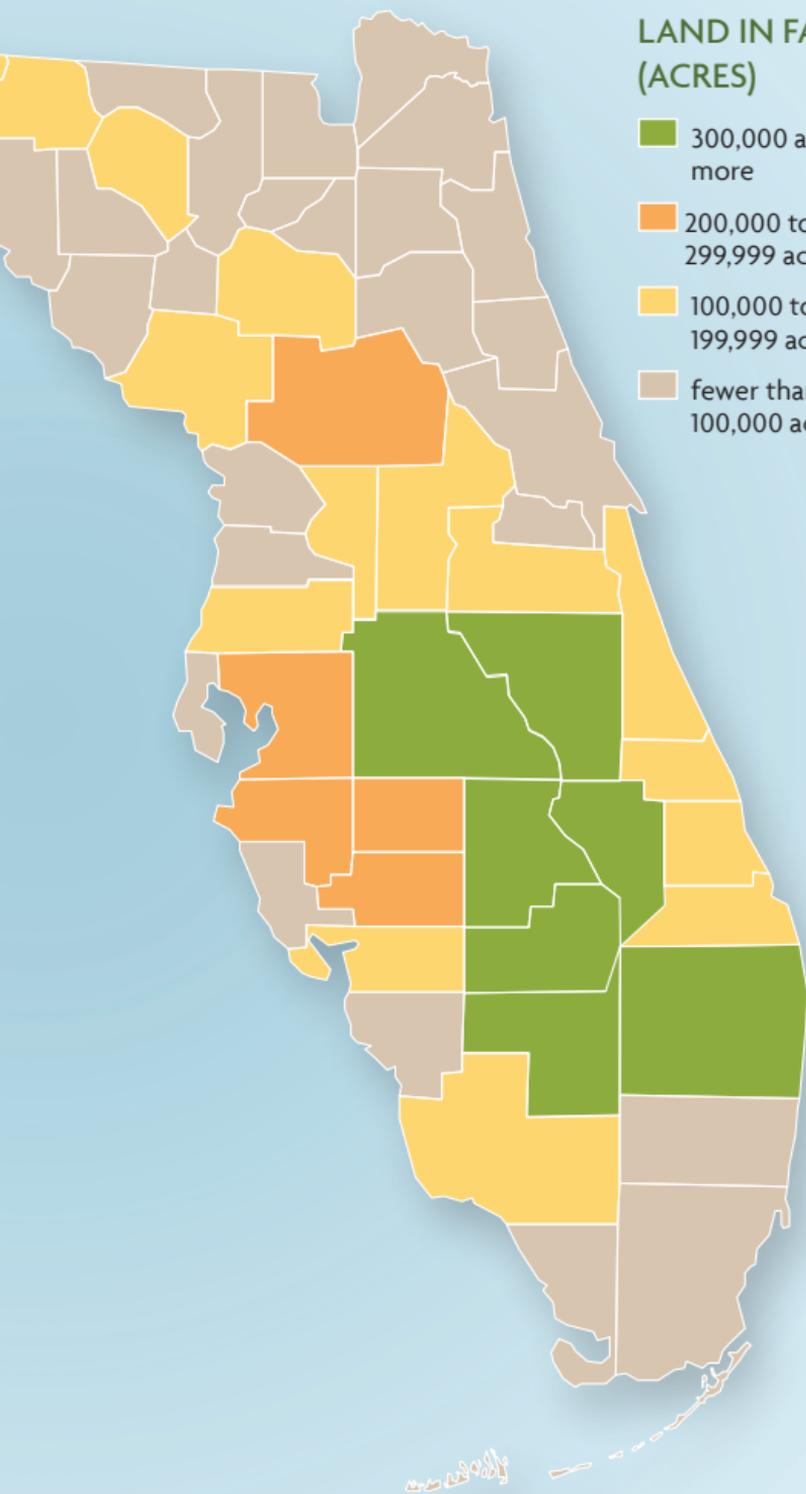
Average size of farm

200 acres

From United States 2012 Census of Agriculture;
USDA-National Agricultural Statistics Service (USDA-NASS)

LAND IN FARMS (ACRES)

- 300,000 acres or more
- 200,000 to 299,999 acres
- 100,000 to 199,999 acres
- fewer than 100,000 acres



Florida

FARMS & FARMERS

PRINCIPAL OPERATOR'S PRIMARY OCCUPATION

Farming	48%
Other	52%

Total market value of
production in 2013
\$8.37 billion

Average age of a Florida farmer
59 years

From United States 2012 Census of Agriculture;
UF/IFAS EDIS document FE969



Out of the GATE

CROP, LIVESTOCK, FORESTRY & FISHERIES PRODUCTION OUTPUT & DIRECT EMPLOYMENT IN 2013*

County	Output	Jobs	County	Output	Jobs
Alachua	\$130	2,443	Franklin	\$3	47
Baker	\$22	316	Gadsden	\$39	1,334
Bay	\$36	644	Gilchrist	\$129	855
Bradford	\$39	439	Glades	\$124	652
Brevard	\$76	1,020	Gulf	\$11	180
Broward	\$96	1,438	Hamilton	\$56	510
Calhoun	\$50	459	Hardee	\$317	4,259
Charlotte	\$107	1,622	Hendry	\$708	6,972
Citrus	\$41	664	Hernando	\$70	1,012
Clay	\$33	481	Highlands	\$510	8,345
Collier	\$329	6,420	Hillsborough	\$561	13,952
Columbia	\$82	923	Holmes	\$41	863
DeSoto	\$342	4,813	Indian River	\$299	3,918
Dixie	\$46	465	Jackson	\$111	1,208
Duval	\$64	1,093	Jefferson	\$51	732
Escambia	\$73	1,076	Lafayette	\$108	391
Flagler	\$33	448	Lake	\$202	3,381

*Data presented in table represent direct output (revenue, USD millions) and employment (full-time and part-time jobs) attributable to crop, livestock, forestry and fisheries production sectors in Florida counties in 2013.

County	Output	Jobs	County	Output	Jobs
Lee	\$178	3,230	Pinellas	\$33	769
Leon	\$29	560	Polk	\$712	11,534
Levy	\$129	1,683	Putnam	\$71	841
Liberty	\$18	169	Santa Rosa	\$74	733
Madison	\$94	739	Sarasota	\$43	596
Manatee	\$480	7,222	Seminole	\$40	474
Marion	\$205	4,855	St. Johns	\$97	773
Martin	\$209	1,999	St. Lucie	\$273	2,847
Miami-Dade	\$783	8,890	Sumter	\$71	1,036
Monroe	\$117	2,135	Suwannee	\$389	1,762
Nassau	\$78	922	Taylor	\$60	506
Okaloosa	\$33	771	Union	\$21	291
Okeechobee	\$322	2,048	Volusia	\$144	2,156
Orange	\$285	2,929	Wakulla	\$11	189
Osceola	\$108	622	Walton	\$33	626
Palm Beach	\$1,356	10,921	Washington	\$26	502
Pasco	\$115	2,015			

**TOTAL = \$11.57 BILLION
AND 150,762 JOBS**

From UF/IFAS EDIS document FE969; Food
& Resource Economics Department





Florida

FORESTS

17.46 million

acres of forestland

50.7 percent

of Florida's total land area

3 National Forests

and 34 State Forests

4.97 million

acres of planted timberland

Florida **FORESTRY & FOREST PRODUCT MANUFACTURING IN 2013**

80,665 jobs

Employment contribution
(including multiplier effects)

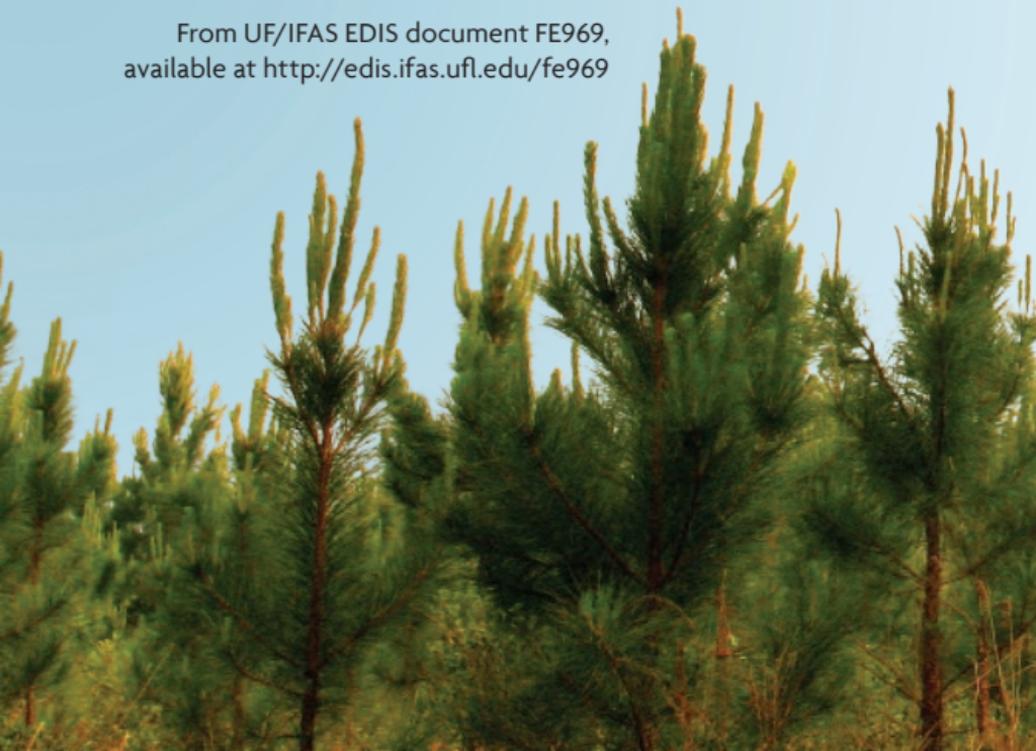
\$7.64 billion

Value added contribution to GDP

\$16.34 billion

Total output contribution of forestry
and forest product manufacturing
(including regional multiplier effects)

From UF/IFAS EDIS document FE969,
available at <http://edis.ifas.ufl.edu/fe969>





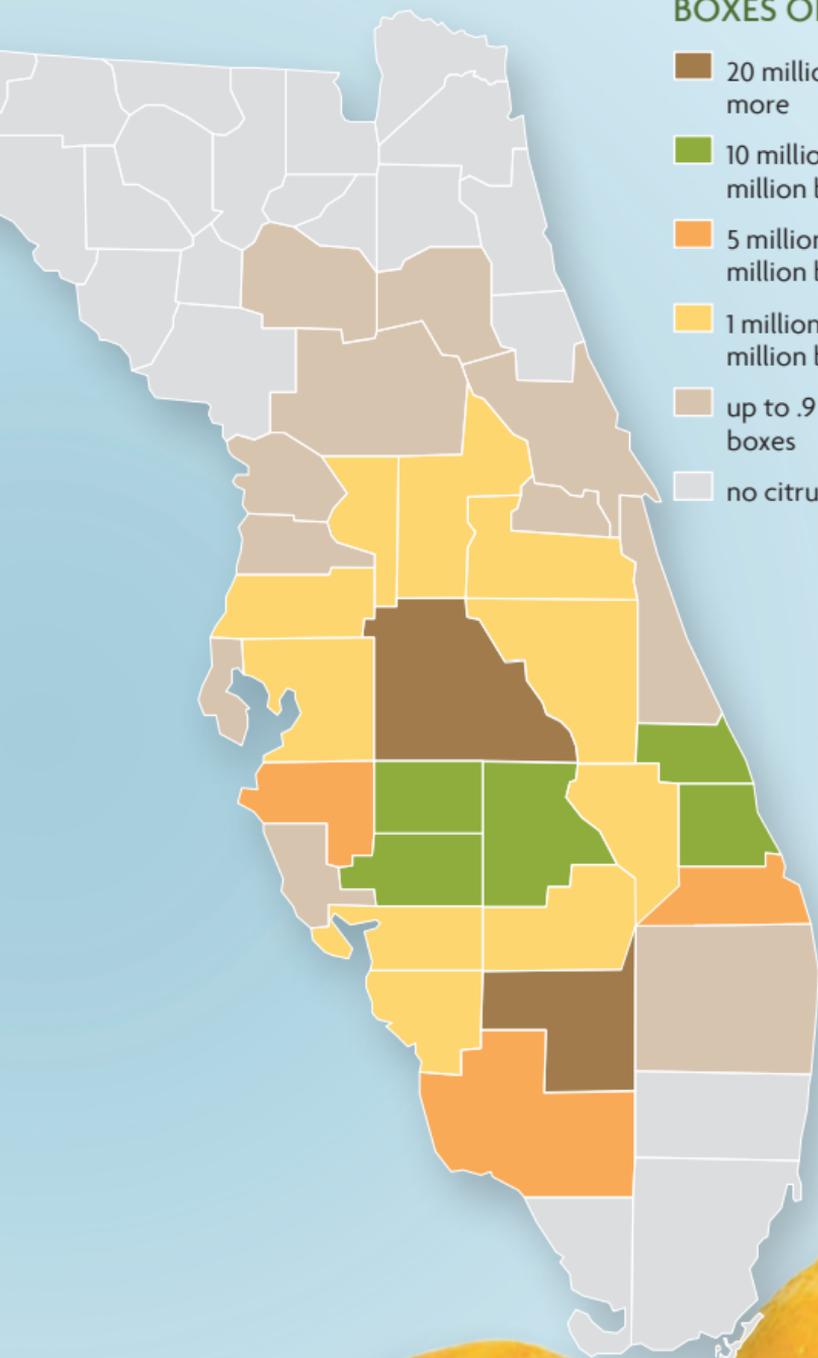
Florida CITRUS

- Total commercial citrus grove area cultivated in 2014–2015 was **459,100 acres**.
- Citrus production in 2014–2015 season was **5,043,000 tons**.
- Total value of production in 2014–2015 season was **\$1.34 billion**.
- Total citrus industry economic contribution in 2012–2013 was estimated at **\$10.68 billion** in output and **62,133 jobs**, including regional multiplier effects.

From USDA-NASS QuickStats, UF/IFAS Economic Impacts of the Florida Citrus Industry in 2012-13

BOXES OF CITRUS

- 20 million boxes or more
- 10 million to 19.9 million boxes
- 5 million to 9.9 million boxes
- 1 million to 4.9 million boxes
- up to .9 million boxes
- no citrus production



Citrus

PRODUCTION

PRODUCTION (1,000 BOXES) BY COUNTY IN 2014–2015

Brevard	382
Charlotte	2,827
Collier	7,549
DeSoto	13,735
Glades	1,950
Hardee	10,179
Hendry	15,773
Hernando	148
Highlands	12,665
Hillsborough	1,239
Indian River	6,870
Lake	2,290

From USDA-NASS, Citrus acreage and
2014-2015 Citrus Summary, Sept. 2015

Lee	2,400
Manatee	4,002
Marion	219
Martin	806
Okeechobee	1,304
Orange	468
Osceola	1,952
Pasco	1,374
Polk	16,832
Sarasota	242
Seminole	57
St. Lucie	7,286
Volusia	141
Other*	60

TOTAL = 112,650

*Citrus, Palm Beach, Pinellas and Putnam counties



Environmental Horticulture

NURSERY & GREENHOUSE CROPS, LANDSCAPE SERVICES & HORTICULTURAL RETAILERS

- Florida is the **2nd** largest producer of nursery/greenhouse crops in the United States.
- In 2014, Florida produced **67%** of all tropical foliage plants sold in the U.S.

Orchids are the top-selling potted plant produced in Florida, followed by poinsettias.

- Total production area for nursery/ floriculture crops in Florida in 2013 was **38,999** acres.
- In 2013, Florida had **3,710** commercial nursery and floriculture producers. In 2010, Florida had **11,051** landscape services firms, **3,180** horticultural retailers (lawn and garden stores), and **297** allied manufacturers/suppliers.
- Florida environmental horticulture in 2013 collectively generated **\$13.63 billion** in total output (revenues), **\$8.42 billion** in value added, and **164,894** jobs, including regional multiplier effects.



Vegetables, **FRUITS AND OTHER MAJOR CROPS**

Fruit and vegetable farming and processing/manufacturing generated **94,478** jobs and **\$6.84 billion** in value added contribution to GDP in Florida in 2013. Grain and oilseed farming and processing in 2013 generated **3,816** jobs and **\$314 million** in value added contribution.

SNAP BEANS

- 26,600 acres
- \$77.4 million total value of production in 2014

From USDA-NASS QuickStats



SWEET CORN

- 34,000 acres
- \$129.9 million total value of production in 2014



POTATOES

- 29,301 acres
- \$131.5 million total value of production in 2014





TOMATOES

- 33,000 acres
- \$437.1 million total value of production in 2014

CUCUMBERS

- 22,700 acres
- \$125.8 million total value of production in 2014

BELL PEPPERS

- 11,900 acres
- \$164.3 million total value of production in 2014



SQUASH

- 6,800 acres
- \$40.6 million total value of production in 2014

CABBAGE

- 8,800 acres
- \$50.0 million total value of production in 2014

From USDA-NASS QuickStats



WATERMELONS

- 19,700 acres
- \$80.1 million total value of production in 2014

STRAWBERRIES

- 10,900 acres
- \$306.5 million total value of production in 2014



BLUEBERRIES

- 4,300 acres
- \$75.6 million total value of production in 2014 and **one of the fastest-growing agricultural industries.**

From USDA-NASS QuickStats



SUGARCANE

- 392,000 acres
- \$505.4 million total value of production in 2013
- Sugarcane farming and refined sugar manufacturing in Florida in 2013 generated **22,648** jobs and **\$2.06 billion** in value added contribution to GDP, including regional multiplier effects.





COTTON

- 105,000 acres
- \$70.9 million total value of production in 2014

PEANUTS

- 167,000 acres
- \$145.0 million total value of production in 2014



One

ACRE OF LAND CAN PRODUCE

One acre of land can produce many different types of crops, depending on the fertility and type of soil, how much rain falls and how much the sun shines.



19,000 lbs
of strawberries



28,000 lbs
of tomatoes

With modern methods, one acre of land (about the size of a football field) in Florida can produce:



26,000 lbs
of bell peppers



13,500 lbs
of sweet corn



24,500 lbs
of watermelon

Livestock **& ANIMAL INDUSTRY**

BEEF CATTLE

- 916,000 total headcount in Florida herds as of January 2015
- Sales of 561,000 head in 2014, measured at 462 million pounds, and valued at \$818.4 million

DAIRY/MILKING COWS

- 124,000 total headcount in Florida herds as of January 2015
- 2.51 billion pounds of milk produced in 2014, valued at \$707.0 million

2013 CONTRIBUTION

Livestock and animal products industries in Florida in 2013 generated **27,413** jobs and **\$1.75 billion** in value added contribution to gross domestic product.

*One Florida ranch owns the largest brood cow herd in the United States.
Nine of the top 25 beef cattle producers in the nation are located in Florida.*

From UF/IFAS EDIS document FE969; National Cattlemen magazine, 2015 statistics issue



HONEY

- 14.7 million pounds produced in 2014
- 245,000 honeybee colonies
- \$30.6 million total value of production

POULTRY & EGGS

- 66.7 million broiler chickens produced in 2014, measured at 386.9 million pounds, valued at \$246.5 million
- 2.39 billion eggs produced in 2014, valued at \$219.0 million

From USDA-NASS QuickStats

HORSES

- 121,034 horses and ponies in 2012
- 13,755 farms
- \$162.0 million in sales

Florida ranked 5th nationally for horse ownership in 2012, after Texas, Oklahoma, California and Kentucky. Marion County is home to more than 2,300 horse farms, 17 percent of the state total, 13,755.

From USDA-NASS, 2012 Census of Agriculture



SEAFOOD PRODUCTION

Commercial fishing and seafood processing/manufacturing generated **11,965** jobs and **\$565 million** in GDP in 2013.

Top seafood producing counties in 2014:

1. Monroe – 12,019,361 lbs
2. Pinellas – 10,223,193 lbs
3. Franklin – 7,951,997 lbs
4. Manatee – 7,204,445 lbs
5. Lee – 7,173,232 lbs
6. Duval – 5,027,791 lbs

From Florida Fish and Wildlife Conservation Commission, Marine Fisheries Information System



AQUACULTURE

Aquaculture production generated **\$77.95 million** in revenues in 2013.

Top aquaculture values in Florida for 2013 (in USD millions):

Ornamental fish – \$27.13

Mollusks and Crustaceans – \$25.91

Sport/Game fish/Baitfish/Other – \$5.95

Tilapia and other food fish – \$3.09

Ornamental fish are Florida's No. 1 aquaculture crop, generating about \$27 million for producers in 2013.



AGRICULTURAL EXPORTS

Food and kindred products represent **approximately one-fourth** of all wholesale trade volume in the U.S.

International exports of Florida's agricultural products from Florida seaports and airports in 2014 were valued at **\$5.75 billion**.



Commodity Description	Value (M)
Pulp, Paper & Paperboard Mill Products	\$987.92
Meat Products & Meat Packaging Products	\$752.76
Foods, Nesoï	\$481.88
Fruits & Veg Preserves & Specialty Foods	\$475.32
Vegetables & Melons	\$374.39
Fish, Fresh/chilled/frozen & Other Marine Products	\$337.24
Fruits & Tree Nuts	\$322.63
Beverages	\$315.27
Converted Paper Products	\$274.66
Dairy Products	\$237.64
Other Wood Products	\$204.36
Grain & Oilseed Milling Products	\$188.07
Sugar & Confectionery Products	\$128.00
Bakery & Tortilla Products	\$118.15
Animal Foods	\$83.60
Sawmill & Wood Products	\$78.70
Mushrooms, Nursery & Related Products	\$78.02
Poultry & Eggs	\$58.26
Veneer, Plywood & Engineered Wood Products	\$43.28
Tobacco Products	\$39.18
Other Agricultural Products	\$38.47
Other Animals	\$32.77
Seafood Prods, Prepared, Canned & Packaged	\$21.21
Oilseeds & Grains	\$20.74
Farmed Fish And Related Products	\$20.50
Forestry Products	\$17.55
Timber & Logs	\$15.73
Cattle	\$2.55
Sheep, Goats & Fine Animal Hair	\$0.99
Swine	\$0.23

TOTAL = \$5.75 BILLION

From U.S. Department of Commerce, Foreign Trade Statistics, USA Trade Online

Updated March 2016 by Alan Hodges, PhD, and M. Rahmani, PhD,
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Produced by UF/IFAS Communications.



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