



National Agricultural
Statistics Service

AQUACULTURE

In Cooperation with the Florida Department of Agriculture & Consumer Services

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FLORIDA AQUACULTURE SALES TOTAL \$75 MILLION IN 2005

Florida aquaculture producers reported sales in 2005 of \$75 million based upon a survey conducted for the Division of Aquaculture, Florida Department of Agriculture and Consumer Services. This biennial survey was done by the Florida Agricultural Statistics Service in conjunction with the 2005 National Census of Aquaculture. The Census of Aquaculture is conducted every five years.

Sales in 2005 were below those of \$95.5 million in 2003, due in large part to severe losses following the hurricanes of 2004 and 2005. There were 359 operations with appreciable sales, and 351 operations which had minimal or no sales. Many aquaculture producers were forced out of business or had no sales in 2005. The operations without sales reflect either new operations which have not yet sold a product or operations in business but which did not sell any product in 2005.

AQUACULTURE - Value of Sales - Florida, 2005

Item	Operations With Sales	Net Sales
Ornamental Fish	133	\$33,232,000
Aquatic Plants	19	17,560,000
Clams ^{1/} & Oysters	153	10,694,000
Alligators	14	4,070,000
Other Food Fish ^{2/}	19	1,731,000
Catfish	23	1,434,000
Tilapia	18	477,000
Live Rock	6	341,000
All Sportfish	8	191,000
All Other Aquaculture ^{3/}	-	5,245,000

^{1/} Includes clam seed

^{2/} Hybrid Striped Bass, Largemouth Bass, Carp, and Sturgeon.

^{3/} Includes baitfish, crustaceans, and other aquatics.

WATER AREA

There were 3,010 acres of water used by the 359 operations in 2005. Of the 359 operations in 2005, 51.5 percent were less than 3 acres in size. Another 17 percent of the operations each used between 3 and 6 acres water area. Only 2.5 percent of the operation used more than 50 acres of water area.

AQUACULTURE - Size of Operation FLORIDA, 2005

Acres in Operation	Water acres	Number of Operations	Percent of Total
Less than 3	287	185	51.5
3 to 5.9	270	61	17.0
6 to 19.9	805	79	22.0
20 to 49.9	714	25	7.0
50 or more	934	9	2.5
Total	3,010	359	100.0

LABOR

In 2005, 1,055 people worked on the 359 aquaculture operations. Labor provided by the operators was an average 31 hours per week per operation. There were 195 operations which reported a payroll, for a total payroll of \$12,410,000. There were 158 operations with unpaid workers. They are typically family members or partners.

AQUACULTURE - LABOR - FLORIDA, 2005

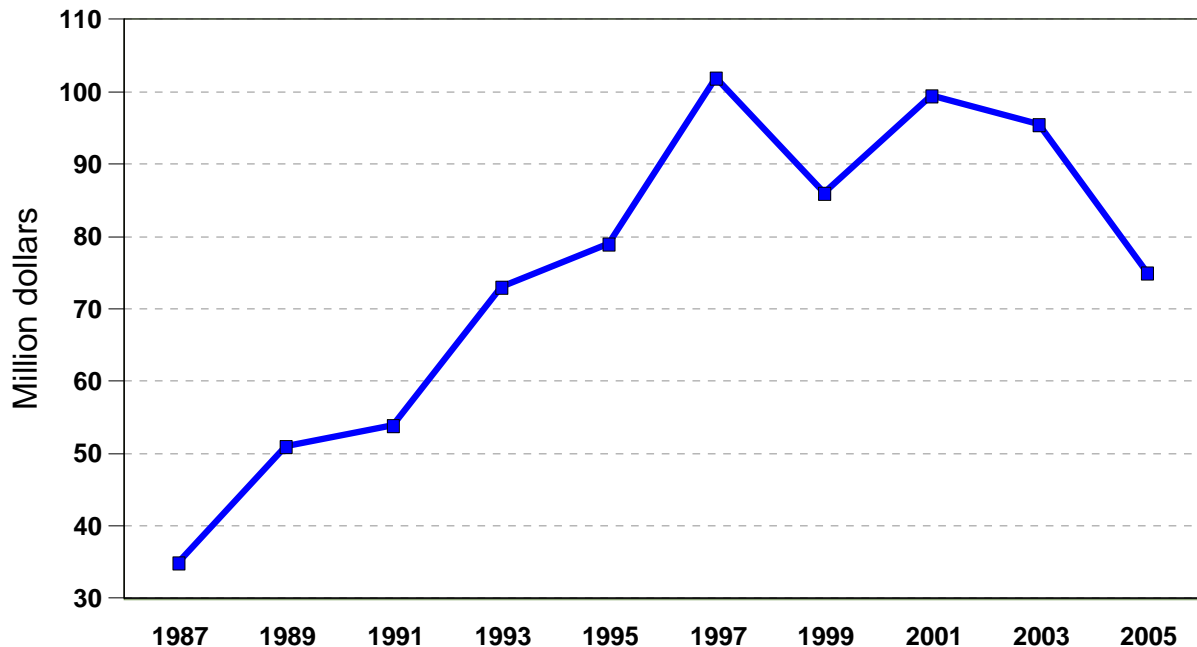
Item	Farms	Number of Workers
Unpaid Workers	158	262
Paid workers:		
150 Days or more	95	478
Less than 150 days	143	315
Total		1,055

FLORIDA AQUACULTURE SALES, 1987 - 2005

Year	Total	Ornamental Fish	Aquatic Plants	Clams, Oysters	Alligators	Other Aquaculture
			(000)			
2005	\$ 74,900	\$33,232	\$17,560	\$10,694	\$4,070	^{1/} \$9,344
2003	95,500	47,229	20,433	12,970	2,450	12,418
2001	99,500	42,424	21,302	18,264	3,250	14,260
1999	86,000	43,184	13,650	16,249	3,352	9,565
1997	102,000	57,200	13,200	13,078	3,189	15,333
1995	79,000	52,500	8,600	6,434	4,500	6,932
1993	73,000	46,700	13,200	4,636	4,432	4,032
1991	54,000	32,799	9,869	2,556	4,393	4,383
1989	51,000	33,671	7,033	2,098	4,536	3,662
1987	35,000	21,653	5,715	1,100	672	4,860

^{1/} Includes food fish, crustaceans, sport fish, baitfish, live rock and miscellaneous aquaculture.

Florida Aquaculture Sales 1987 - 2005



ORNAMENTAL AND TROPICAL FISH

There were 133 operations that raised ornamental fish in 2005, down from 151 operations in 2003. Sales of ornamental fish were \$33.2 million, down from \$47.2 million in 2003. This includes 118 farms that raised tropical fish with sales of \$32.3 million.

CLAMS AND CLAM SEED

Sales of clams, clam seed, and oysters were \$10.7 million in 2005 down from \$13.0 million in 2003. There were 153 operations raising clams and 142 with sales of \$9.8 million, with an average price per clam sold of 10.8 cents. There were 20 operations raising clam seed. Clam sales were negatively impacted by the hurricanes of 2004 and 2005 in Florida's coastal zone where clams are cultured.

There were 55 clam operators out of business in 2005 which were in business in 2003. Many respondents commented about losing clams planted in 2004. Respondents also commented they were having trouble getting seed to plant in 2006.

CLAM FARM SALES AND CLAM SEED PLANTED - FLORIDA 2005

Year	Farms	Farms With Sales	Clams Sold (Millions)	Sales (Millions)
2003	237	192	134.0	\$13.0
2005	153	142	92.1	9.8
			Seed Planted	
2002				289,791,000
2003				350,398,000
2004				392,100,000
2005 (estimated)				350,000,000
2006 (expected plantings)				500,000,000

Data on the planting or clam seed or survival of clams seeded was supplemented by additional data collected for the biennial Aquaculture Survey from a sample of operations which reported clams on the 2005 National Census of Aquaculture.

Survival rate to harvest was reported to average 43.1 percent in 2005. The cost per clam seed was 0.48 cent.

AQUATIC PLANTS

Aquatic plants sales in 2005 were \$17.6 million. These include plants for water gardens, food markets (watercress), aquariums, and wetlands restoration. There were 20 operations which reported sales of aquatic plants. Sales to foreign markets were reported by four operations.

LIVE ROCK

Live rock sales in 2005 of \$341,000 were reported on six operations, down from 2003 sales of \$660,000. Live rock producers lease acreage in coastal waters off the west coast of Florida and in the Keys. Live rock production was negatively impacted by the 2004 and 2005 hurricanes.

SPORT FISH

There were a total of eight operations that raised sport fish and/or largemouth bass in 2005, with Sales of largemouth bass totaled \$92,000 and sales of sunfish were \$99,000.

SPORT FISH, SALES AND NUMBER SOLD - FLORIDA, 2005

Specie	Farms	Sales	Number Sold	Price/Pound
Largemouth Bass	5	\$92,000	74,000	\$1.28
Sunfish	8	99,000	85,000	1.16

FOOD FISH

Food fish were raised on 49 operations in 2005. Sales were \$3.6 million in 2005. There were 23 farms that sold food size catfish, 18 sold tilapia, and five with sales of bass or other food fish. Other food fish (bass, sturgeon, and other food fish) sales were \$1,730,000.

FOOD FISH, SALES AND NUMBER SOLD - FLORIDA, 2005

Specie	Farms	Sales	Number Sold	Price/Pound
Catfish	23	\$1,434,000	1,462,000	\$0.64
Tilapia	18	477,000	426,000	1.12
Bass	5	1,369,000	212,000	2.49
Other	--	361,000	--	--

ALLIGATORS

Sales of alligator hides, meat and whole alligators reached \$4.07 million in 2005. There were 14 farms raising alligators in 2005, of which 12 reported sales of alligators or alligator products.

ALLIGATOR INVENTORY, BY TYPE - FLORIDA

Item	2006	2004
Number of producers	14	13
Total alligators on hand	56,300	69,000
Brood Stock	1,800	3,800
Hatchlings	20,600	23,700
All other	33,900	41,600

ALLIGATOR SALES - FLORIDA, 2005 and 2003

Item	2005	2003
Hides	\$2,828,000	\$1,640,000
Meat	817,000	812,000

MISCELLANEOUS AQUACULTURE

The sales of other aquaculture production included crustaceans (crabs, crawfish, fresh water prawns, and shrimp), baitfish and other aquatics (snails, tadpoles, turtles, and frogs). Total sales of crustaceans, baitfish and other aquatics were \$5.25 million. There were seven operations that raised crustaceans and two baitfish operations. There were three operations that raised frogs, with total sales of \$222,000, five operations raised turtles with \$125,000 in sales, and nine operations raised snails with sales of \$151,000.

2005 CENSUS OF AQUACULTURE

The 2005 United States Census of Aquaculture is now available. This report is available on-line at: <http://www.agcensus.usda.gov/Publications/2002/Aquaculture/index.asp>