

## **Carnivorous plant, Venus Flytrap** <sup>[1]</sup>

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## **State Carnivorous Plant of North Carolina: Venus Flytrap**

by Steven Case and Amy Kemp, 2017



<sup>[2]</sup>

[NC Government & Heritage Library](#) <sup>[3]</sup>.

**See also:** [North Carolina State Symbols and Official Adoptions main page](#) <sup>[4]</sup>; [Venus Flytrap](#) <sup>[5]</sup> (from *Encyclopedia of North Carolina*)

The General Assembly of 2005 adopted the Venus Flytrap (*Dionaea muscipula*) as the official State Carnivorous Plant ([Session Laws, 2005, c. 74](#) <sup>[6]</sup>).

### **Selection as the State Carnivorous Plant**

The bill to elect the Venus Fly Trap was proposed by the students of North Stanly High School in Stanly County, and was sponsored by Senator William Purcell of Scotland County. The logic behind the bill was that if North Carolina had a state flower and bird, it should also have a state plant. Still sore from the recent debate over South Carolina's adoption of the Shag for their official dance, North Carolina legislators joked that they needed to adopt the Venus Flytrap as a symbol before South Carolina steals it. The Senate supported the bill with a vote of 47 to 1.

### **About the Venus Flytrap**

The Venus flytrap is the only known plant that moves to entrap its prey.

Though it is known and cultivated throughout the world, it is native only to a small area of the Coastal Plain <sup>[7]</sup> in North and South Carolina (mostly within a 75 mile radius around Wilmington <sup>[8]</sup>). The sandy, mineral-low soil of this region is why the plant is carnivorous, as insects provide Flytraps with nitrogen, phosphorus, and other essential nutrients.

Despite its name, the Venus Flytrap does not usually eat flies, but rather other crawling insects that are drawn to it such as beetles or ants.

The trap is activated when an insect (or other object) brushes 2 or more times against bristles that grow on the surface of the leaf. The trap springs shut in less than a second, but doesn't close completely until it has determined (either chemically or through movement) if it has caught worthwhile food. If it has, the trap gradually seals completely shut, allowing digestion to take place. It reopens in 3 days to 2 weeks.

Much of what we know about the Venus Flytrap is due to Charles Darwin, who conducted many early experiments on the plant. He was very fond of the flytrap, calling it "one of the most wonderful plants in the world."

It is illegal in North Carolina to take Venus Flytraps from public land or from private property without permission. Violations of this can result in fines of \$100 to \$500.

## **North Carolina Session Laws**

### **SESSION LAW 2005-74**

### **SENATE BILL 116**

**AN ACT TO ADOPT THE VENUS FLYTRAP AS THE OFFICIAL CARNIVOROUS PLANT OF THE STATE OF NORTH CAROLINA.**

Whereas, the Venus flytrap is a small flowering perennial plant that grows in boggy areas of the Southeastern United States; and

Whereas, the Venus flytrap is unique in that it is a carnivorous plant characterized by leaves with hinged lobes that spring shut when stimulated by insects; and

Whereas, the Venus flytrap is native to the Coastal Plain of North Carolina and is legally protected by the State as a species of special concern; and

Whereas, the Venus flytrap deserves to be adopted as the official carnivorous plant of the State of North Carolina

because it is a mysterious and wonderful natural resource; Now, therefore,

The General Assembly of North Carolina enacts:

**SECTION 1.** Chapter 145 of the General Statutes is amended by adding a new section to read:

**"§ 145-22. State carnivorous plant.**

The Venus flytrap (*Dionaea muscipula*) is adopted as the official carnivorous plant of the State of North Carolina!

**SECTION 2.** This act is effective when it becomes law.

In the General Assembly read three times and ratified this the 1<sup>st</sup> day of June, 2005.

s/ Beverly E. Perdue

President of the Senate

s/ James B. Black

Speaker of the House of Representatives

s/ Michael F. Easley

Governor

Approved 10:16 a.m. this 7<sup>th</sup> day of June, 2005

**References and additional resources:**

Meeker-O'Connell, Ann. "How Venus Flytraps Work." HowStuffWorks. Accessed 2/2011. Online at <https://science.howstuffworks.com/life/botany/venus-flytrap.htm> [9]

Schnell, D., Catling, P., Folkerts, G., Frost, C., Gardner, R., et al. 2000. *Dionaea muscipula*. In: IUCN 2010. IUCN Red List of Threatened Species. Version 2010.4. Accessed 2/2011. Online at <https://www.iucnredlist.org/apps/redlist/details/39636/0> [10]

"Venus Flytrap." 2007. PLANTS Database. USDA, NRCS. National Plant Data Center, Baton Rouge,

LA. <http://plants.usda.gov/java/profile?symbol=DIMU4> <sup>[11]</sup>

Schreiner, Mark. "Local plant might trap N.C. honor - Proposed legislation would give Venus' flytrap state title,"*Star-News* (Wilmington, NC), February 13, 2005: 1B, 7B.

[Learn NC resources](#) <sup>[12]</sup>

### Image references:

Venus Flytraps, from the NCpedia Flickr photostream. Various photographers. Visit the NCpedia Flickr for credits and more information. <https://www.flickr.com/photos/ncpedia/sets/72157626515143763/> <sup>[13]</sup> (accessed May 17, 2016).

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[State Symbols](#) <sup>[16]</sup>

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### Origin - location:

[New Hanover County](#) <sup>[19]</sup>

### From:

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