



Questions and Answers

2025 European Cherry Fruit Fly Survey in New York

What is the European cherry fruit fly (ECFF), and why is it a threat?

ECFF (*Rhagoletis cerasi L.*) is a serious pest of cherries. The fly damages ripening fruit, causing it to rot and fall off the tree. In heavily infested areas, the fly can destroy all ripening cherries if left uncontrolled. The pest can spread to new areas through the transport of infested fresh cherries, soil, or fruit from host plants. The U.S. Department of Agriculture (USDA) first found European cherry fruit fly on traps hung along the Niagara River in New York's Niagara County in 2017.

What is the ECFF survey?

USDA's Animal and Plant Health Inspection Service (APHIS) and New York's State Department of Agriculture and Markets (NYS AGM) will hang approximately 2,000 traps across Western and Central New York, which is under quarantine for ECFF. APHIS will also hang traps outside the ECFF quarantine in areas that are at higher risk for the pest's spread.



What do the traps look like?

The yellow panel trap is a rectangular cardboard trap coated on both sides with a mixture of a nontoxic glue and a food bait. The traps are about 9 inches long and hang vertically in trees.

Do the traps really catch the fruit flies?

The trap helps detect new infestations and monitors the insect's spread. It is not meant to catch fruit flies to reduce populations.

How do the traps work?

Adult fruit flies are attracted to the ammonium acetate food bait that's on the trap. If the flies land on the trap, they will get stuck in the nontoxic glue. APHIS and NYS AGM service the traps at least every 2 weeks to replace the bait and collect insects.

If a trap is in my area, does that mean ECFF is there?

No. If you see a trap in your community, it does not mean ECFF is present. It just means we are looking for ECFF in your area. The goal of the survey is to determine where the insect is and monitor its spread.

What were the results of the 2024 survey in New York?

The 2024 survey found 78 ECFF in 21 trap locations. These results helped guide decisions on trap placement for the 2025 survey.

Where will traps be set this year?

For the 2025 season, surveyors will place traps along the edge of the quarantined areas in Western and Central New York. APHIS will also hang traps in selected areas in Michigan and Pennsylvania.

How can I help?

Please allow APHIS and NYS AGM surveyors access to your property to place and check traps. Residents with questions can contact the ECFF program office by calling 1-800-249-2363 or emailing ppq.ecff@usda.gov. Learn more at www.aphis.usda.gov/plant-pests-diseases/ecff.



Pest Alert

European Cherry Fruit Fly (*Rhagoletis cerasi*)



Adult European cherry fruit fly (Biopix, S.D. Lund, www.biopix.com)

European cherry fruit fly is the most serious pest of cherries in Europe. The fly attacks ripening fruit, causing it to rot and fall off the tree. In heavily infested areas, the fly can destroy up to 100 percent of cherry and other host plants if left uncontrolled.

Distribution

European cherry fruit fly is found throughout Europe and in parts of West and Central Asia. In 2016, Canada confirmed this pest on wild honeysuckle at several sites in Ontario. In 2017, the United States found European cherry fruit fly on traps hung in wild honeysuckle plants and sweet cherry trees along the Niagara River in New York. This was the first U.S. detection of European cherry fruit fly.

Damage

European cherry fruit fly attacks only the fruit of its host plants. Larvae-infested fruit may have dark soft spots or appear wilted

or shriveled. As mature larvae emerge from the fruit, they may leave behind visible exit holes.

If European cherry fruit fly becomes established in the United States, it could affect U.S. access to foreign cherry markets and cause lower prices and economic losses for U.S. cherry growers.

Host Range and At-Risk Areas of the United States

European cherry fruit fly prefers sweet cherries and honeysuckle, but may also attack tart cherries. If this pest establishes itself in New York and spreads to other parts of the country, it could threaten commercial cherry production along the Pacific Coast (California, Oregon, and Washington), in the Northeast (Maryland, New York, and Pennsylvania), and in several Western and Central States (Colorado, Michigan, New Mexico, and Utah).

Appearance and Life Cycle

Adult flies range in length from 1/8 to 3/16 of an inch (3.5–4.0 millimeters). Both males and females are mostly black with yellow to orange heads. A large yellow dot is visible on their backs. The wings are transparent with dark bands.

Adults typically emerge from May to July and have an average lifespan of 2 to 4 weeks. Females usually lay one egg beneath the skin of each piece of fruit. Once they hatch from the eggs, the larvae develop inside the fruit and feed for up to 6 weeks. As the larvae develop, they damage the fruit pulp. Mature larvae exit the fruit through emergence holes, drop to the ground, and burrow into the soil. Once in the soil, they pupate within a few days and overwinter in the soil underneath or near the host plant.

Preventing Fruit Fly Spread

When U.S. Department of Agriculture (USDA) or State agriculture officials find an infestation of invasive fruit flies that could damage crops in this country, State regulatory officials first establish an intrastate quarantine to prevent the pest's spread within that State. USDA then establishes a parallel interstate quarantine to keep the pest from spreading to other States. Together, these quarantines allow State and Federal officials to control and suppress the outbreak locally and regulate the movement of host fruits, nursery plants, and other items that could harbor the pest. These efforts help protect growers in other vulnerable parts of the country.

What You Can Do

Please cooperate with agricultural workers who may be in your area surveying for the pest. In areas where the pest has been found, agricultural workers may request approval from the property owner to apply treatment to prevent the spread. Know and follow any quarantine restrictions in fruit fly-infested areas.

When traveling, declare all food, live animals, and plant or animal products to a U.S. Customs and Border Protection officer or agriculture specialist at the first port of entry. If your items are generally allowed, the inspector will check them to make sure they are free from pests and disease.

If you travel to Canada, be advised that you may not bring cherries from the provinces of Quebec and Ontario into the United States. Cherries from other Canadian provinces are allowed if they are accompanied by a receipt or other document that confirms the fruit's origin. For more information, view the Federal Order: www.aphis.usda.gov/sites/default/files/DA-2017-15.pdf.

Learn More

To learn more, visit USDA's exotic fruit fly Web site (www.aphis.usda.gov/plant-pests-diseases/fruit-flies) or contact:

- **The New York State Integrated Pest Management Program**
nysipm.cornell.edu/agriculture/fruits
- **Your local Extension office**
www.nifa.usda.gov/Extension
- **Your State department of agriculture**
www.nationalplantboard.org/members.html
- **The nearest USDA Animal and Plant Health Inspection Service office**
www.aphis.usda.gov/contact/plant-health



United States Department of Agriculture

Animal and Plant Health
Inspection Service

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The United States Department of Agriculture (USDA), as an agency of the federal government, is a self-insured entity.

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The Federal Tort Claims Act (28 U.S.C § 1346(b), 2671, *et seq.*) is the legal mechanism for compensating persons injured, or property damaged, by a negligent or wrongful act of a federal employee, when committed within the scope of their employment.

Riverdale, MD Office:
4700 River Road
Unit 85

Riverdale, MD 20737
Voice 301.851.2948
Fax 301.734.4328

Employees of the USDA are federal employees and would be covered by federal workers' compensation insurance if injured while in the performance of their duties.

Raleigh, NC Office:
920 Main Campus Drive
Suite 200
Raleigh, NC 27606
Voice 919.855.7080
Fax 919.855.7090

If you have questions, please feel free to contact the APHIS Tort Unit at MRP.Claims@usda.gov

Sincerely,

Ft. Collins, CO Office:
2150 Centre Avenue
Building B-3W10
Fort Collins, CO 80526
Voice 970.494.7485
Fax 970.494.7487

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 2023.04.20
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Matthew Scott Weiner
Branch Chief
Animal Health Enforcement and
Tort Claims Branch
USDA APHIS ERCS
Investigative and Enforcement Services
☎ 301-851-2752 (Voice)
✉ Matthew.Weiner@usda.gov