

FOR INFORMATION AND ACTION

DA-2021-17

July 14, 2021

Subject: APHIS Establishes an Amended Host List for the Mexican Fruit Fly (*Anastrepha ludens*)

To: State and Territory Agricultural Regulatory Officials

Effective immediately, the Animal and Plant Health Inspection Service (APHIS) has established an updated regulated host list for the Mexican fruit fly (Mexfly), *Anastrepha ludens* (Loew). The Mexfly is a destructive fruit fly that is native to Mexico and Central America but is not endemic to the United States. The Mexfly attacks more than 45 commercial varieties of fruits and vegetables as described in the revised Federal host list. This action is necessary due to the ongoing Mexfly quarantine in Texas. APHIS will use the new host list for domestic federal regulation of Mexfly hosts when establishing quarantines for this pest.

APHIS will regulate the interstate movement of Mexfly host articles from all quarantine areas in the United States in accordance with the *Code of Federal Regulations* (7 CFR 301.32), and any applicable provisions of this and other Federal Orders. Since the regulations in 7 CFR 301.32 do not list all the known regulated (host) articles for the Mexfly, those articles are listed in the link below. Fruit of the plant species listed in the attached Federal Order are now considered regulated articles for Mexfly, and they are subject to all the requirements of 7 CFR 301.32. APHIS has posted this amended host list on its Fruit Fly Exclusion and Detection Program website:

<https://www.aphis.usda.gov/plant-health/ff>

The current Mexfly quarantine map and narrative description is posted on the following website:

<http://www.aphis.usda.gov/plant-health/ff-quarantine>

For additional information on the Mexfly program, please contact Fruit Fly National Policy Manager, Richard Johnson, at 301-851-2109.



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**United States Department of Agriculture
Animal Plant Health Inspection Service
Plant Protection and Quarantine**

Federal Order

***Designation of Regulated Host Articles for the
Mexican Fruit Fly (*Anastrepha ludens*) for Federal Quarantine Regulations in United States***

DA-2021-17
July 14, 2021

Effective immediately, this Federal Order establishes an updated fruit fly host list for the Mexican fruit fly (Mexfly, *Anastrepha ludens*). The Animal and Plant Health Inspection Service (APHIS) will use the new host list for domestic federal regulation of Mexfly hosts when establishing quarantines for this pest.

This Federal Order is issued pursuant to the regulatory authority provided by the Plant Protection Act (PPA) of June 20, 2000, as amended, Section 412(a), 7 U.S.C. 7712(a). The Act authorizes the Secretary of Agriculture to prohibit or restrict the movement in interstate commerce of any plant, plant part, or article if the Secretary determines the prohibition or restriction is necessary to prevent the dissemination of a plant pest within the United States. This Federal Order is also issued pursuant to the domestic fruit fly regulations promulgated under the PPA and found in the Code of Federal Regulations (CFR) at 7 CFR 301.32 *et seq.* (referred to below as “the regulations”).

The Mexfly is native to Mexico and Central America but is not endemic to the United States. Damage occurs when the female lays eggs in the fruit. These eggs hatch into larvae, which tunnel through the flesh of the fruit, making it unfit for consumption. The Mexfly is known to attack numerous types of fruits and vegetables. Important U.S. crops include avocado, grapefruit, lemons, limes, mango, and oranges.

The Mexfly is regulated through the PPA of 2000 (7 U.S.C. 7701-7772), and relevant parts of the *Code of Federal Regulations* (7 CFR – Agriculture). The host plants of Mexfly are listed, albeit incomplete and outdated, under paragraphs (a) of §301.32-2 (a) Regulated articles. APHIS is amending the list of Mexfly host material in 7 CFR 301.32. The attached list constitutes the full list of federally regulated host plants of Mexfly. These hosts plants have recorded infestations by Mexfly under natural field conditions. Unless proven otherwise, all cultivars, varieties, and hybrids of the plant species in the attached list are considered suitable hosts of Mexfly. The fruit of the plant species listed in the attachment are now considered regulated (host) articles for Mexfly. They are subject to all requirements of 7 CFR 301.32, and any applicable provisions of this Federal Order.

Each validated host plant in the attached list satisfies the definition and attributes of a suitable host plant as stipulated in:

- The North American Plant Protection Organization, Regional Standard for Phytosanitary Management (RSPM) No. 30, “Guidelines for the Determination and Designation of Host Status of a Fruit or Vegetable for Fruit Flies (Diptera: Tephritidae)” and
- APHIS’s “Guidelines for Plant Pest Risk Assessment of the Imported Fruit and Vegetable Commodities.”

Effective immediately, all interstate movement of Mexfly host articles from the quarantine areas of the United States must be conducted in accordance with 7 CFR 301.32 and any applicable provisions of this Federal Order. Persons seeking to move these articles interstate from any Mexfly fruit fly quarantine areas should refer to 7 CFR 301.32-4 for conditions governing their interstate movement.

For additional information regarding this Federal Order, please contact the APHIS Fruit Fly National Policy Manager, Richard Johnson, at 301-851-2109.

Anastrepha ludens, Mexican Fruit Fly Host List, July 2021

The berry, fruit, nut, or vegetable of the following plant species are now considered regulated (host) articles for Mexican fruit fly and are subject to the requirements of 7 CFR 301.32. In addition, all varieties, subspecies and hybrids of the regulated articles listed are assumed to be suitable hosts unless proven otherwise.

<u>Scientific Name¹</u>	<u>Common Name</u>
<i>Anacardium occidentale</i> L.	Cashew nut
<i>Annona cherimola</i> Mill.	Cherimoya, custard-apple
<i>Annona cherimola</i> Mill. × <i>Annona reticulata</i> L.	Atemoya
<i>Annona liebmanniana</i> Baill.	Hardshell custard-apple
<i>Annona reticulata</i> L.	Custard-apple
<i>Annona squamosa</i> L.	Sugar apple
<i>Carica papaya</i> L.	Papaya
<i>Casimiroa edulis</i> La Llave & Lex.	Mexican-apple, white sapote
<i>Casimiroa greggii</i> (S. Watson) F. Chiang	Yellow chapote
<i>Casimiroa sapota</i> Oerst.	Matasano
<i>Citrus</i> spp.	Orangequat, procimequat
<i>Citrus</i> × <i>aurantiifolia</i> (Christm.) Swingle	Lime, Key lime, Mexican lime, sour lime, lima
<i>Citrus</i> × <i>aurantium</i> L.	Bitter orange, clementine, sour orange, tangelo
<i>Citrus</i> × <i>aurantium</i> L. var. <i>sinensis</i> L.	Blood orange, common orange, naval orange, sweet orange, orange, Valencia orange
<i>Citrus deliciosa</i> Ten.	Mandarina, Italian tangerine
<i>Citrus</i> × <i>limon</i> (L.) Osbeck	Dwarf lemon, Canton lemon, Chinese dwarf lemon, Sweet lemon or lime, Red lemon, Meyer lemon
<i>Citrus maxima</i> (Burm.) Merr.	Pomelo
<i>Citrus medica</i> L.	Buddha's-Hand, citron, finger citron
<i>Citrus</i> × <i>nobilis</i> Lour.	King orange, Mandarin, tangor
<i>Citrus</i> × <i>paradisi</i> Macfad.	Grapefruit, pomelo, toronja
<i>Citrus reshni</i> hort. ex Tan	Cleopatra mandarin, mandarina, spice mandarin
<i>Citrus reticulata</i> Blanco	Mandarin, Swatow orange, tangerine
<i>Citrus unshiu</i> Marcow	Mandarin, Satsuma orange
<i>Coffea arabica</i> L.	Coffee, Arabian coffee
<i>Cydonia oblonga</i> Mill.	Quince, membrillo
<i>Diospyros kaki</i> Thunb.	Oriental persimmon, Caqui, kaki

<i>Inga inicuil</i> Schltld. & Cham. ex G. Don	Ice cream bean, Algodoncillo, Chalahuite
<i>Inga micheliana</i> Harms	Chalum
<i>Malus domestica</i> (Suckow) Borkh.	Apple, Manzana
<i>Malus pumila</i> Mill.	Paradise apple
<i>Mammea americana</i> L.	Mamey, mammee-apple, tropical-apricot
<i>Mangifera indica</i> L.	Mango
<i>Melicoccus oliviformis</i> Kunth	Guaya
<i>Passiflora edulis</i> Sims	Passionfruit, lilikoi, parcha, purple granadilla
<i>Persea americana</i> Mill.	Avocado ²
<i>Prunus persica</i> (L.) Batsch	Durazno, peach
<i>Psidium cattleyanum</i> Sabine var. <i>littorale</i> (Raddi) Fosberg	Strawberry guava, yellow guava
<i>Psidium guajava</i> L.	Guava
<i>Punica granatum</i> L.	Pomegranate
<i>Pyrus communis</i> L.	Pear
<i>Sideroxylon capiri</i> (A. DC.) Pittier	Danto amarillo
<i>Sideroxylon capiri</i> (A. DC.) Pittier subsp. <i>tempisque</i> (Pittier) T. D. Penn.	Danto amarillo, tempisque
<i>Spondias purpurea</i> L.	Red and purple mombin, ovo, Spanish-plum, jocote
<i>Syzygium jambos</i> (L.) Alston	Jambos, rose-apple, yambo
<i>Terminalia catappa</i> L.	Tropical almond

¹Host in **BOLD** are new to the list

²Fresh, mature green variety 'Hass' avocados are not regulated