Mexican fruit fly, *Anastrepha ludens* (Loew), Regulated Host List, 2026

Effective July 29, 2026, the berries, fruits, nuts, and vegetables[1] of the following plant species are now considered regulated articles for *A. ludens* and are subject to the requirements of 7 CFR 301.32 and any applicable Federal Orders. All cultivars, varieties, and hybrids of the plant species listed herein are considered suitable hosts unless proven otherwise.

Each listed host plant has validated records of infestation by *A. ludens* under natural field conditions and satisfies the definition and attributes of a suitable host plant in accordance with international regulatory standards.[2]

References documenting forced field infestation, laboratory infestation, or a mere listing as a host without verifiable infestation data are not included.

Scientific Name	Common Name	References
Anacardium occidentale L.	Cashew, cashew nut, cashew apple	Eskafi and Cunningham, 1987
Annona cherimola Mill.	Custard-apple	Baker et al., 1944
Annona cherimola Mill. × *Annona reticulata* L.	Atemoya	Ruiz-Montiel et al., 2013
Annona liebmanniana Baill.	Hardshell custard-apple	Ruiz-Montiel et al., 2013
Annona reticulata L.	Bullock's-heart, custard-apple, ox-heart	Baker et al., 1944; Ruiz-Montiel et al., 2013
Annona squamosa L.	Custard-apple, sugar-apple, sweetsop	Aluja et al., 1987
Capsicum pubescens Ruiz & Pav.	Apple chili, horse chili	Thomas, 2004[3]
Carica papaya L.	Papaya, pawpaw	Eskafi and Cunningham, 1987
Casimiroa edulis La Llave & Lex.	Mexican-apple, white sapote	Aluja et al., 2004; Aluja et al., 1987; Aluja et al., 2000; Baker et al., 1944; Birke and Aluja, 2011; Bush, 1962; Cicero et al., 2012; Eskafi and Cunningham, 1987; Jimenez et al., 1992; Jirón et al., 1988; López et al., 1999; Orozco-Dávila et al., 2007; Pecina-Quintero et al., 2009
Casimiroa greggii (S. Watson) F. Chiang	Yellow chapote	Aluja et al., 2009; Baker et al., 1944; Bush, 1962;

[1] Refers only to the fruit of the plant, not other plant parts such as stems, leaves or roots.
[2] Food and Agriculture Organization (FAO) International Plant Protection Convention (IPPC) International Standards for Phytosanitary Measures (ISPM) No. 37: "Determination of host status of fruit to fruit flies" (FAO, 2016) and North American Plant Protection Organization (NAPPO) 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) (NAPPO, 2008).
[3] *Capsicum pubescens* Ruis & Pavon cv Rocoto

		González-Hernández and Tejada, 1975; Mangan et al., 1997; Robacker and Fraser, 2003[4]
Casimiroa microcarpa Lundell	N/A	Lopez-Ortega et al., 2020
Casimiroa pubescens Ramírez	N/A	Vanoye-Eligio et al., 2015
Casimiroa sapota Oerst.	Matasano	Aluja et al., 1986
Citrus ×aurantiifolia (Christm.) Swingle	Egyptian lime, Indian lime, Key lime, lime, Mexican lime, sour lime, West Indian lime	Eskafi and Cunningham, 1987[5]
Citrus ×aurantium L.	Bitter orange, bittersweet orange, clementine, guntur sour orange, Seville orange, sour orange, tangelo	Aluja and Díaz-Fleischer, 2006[6]; Aluja et al., 1986[4]; Aluja et al., 1987[4]; Aluja et al., 2000[4]; Aluja et al., 2004[4]; Aluja et al., 2020; Birke and Aluja, 2011[4]; Diaz-Fleischer et al., 2004; Eben et al., 2000[4] Eskafi and Cunningham, 1987[7]; Orozco-Dávila et al., 2007[8]
Citrus ×aurantium L. var. *chrysocarpa* (Hassk.) ined.[9]	Cleopatra mandarin, mandarin orange, spice mandarin, tangerine, King of Siam, king orange, Italian tangerine, Mediterranean mandarin, willow-leaf mandarin	Aluja et al., 1986[10]; Aluja et al., 1987[11]; Baker et al., 1944[12] Eskafi and Cunningham, 1987[13]; Foote and Blanc, 1963[14]
Citrus ×aurantium L. var. *racemosa* (Risso) ined.[15]	Grapefruit, pomelo	Aluja et al., 1986; Aluja et al., 2000[16]; Aluja et al., 2004[14];

[4] *Sargentia greggii* S. Wats.
[5] *Citrus aurantiifolia*
[6] *Citrus aurantium*
[7] *Citrus aurantium*, *Citrus ×sinensis* (L.) Osbeck, and *Citrus ×tangelo* J. W. Ingram & H. E. Moore
[8] bitter orange (*Citrus aurentis*)
[9] Synonyms include *Citrus ×nobilis* Lour., *Citrus deliciosa* Ten., *Citrus hassaku* hort. ex Tanaka, *Citrus reshni* hort. ex Tanaka, *Citrus unshiu* Marcow
[10] *Citrus ×nobilis* Lour.
[11] *Citrus deliciosa* Ten.
[12] *Citrus unshiu* Marcow.
[13] *Citrus reshni* hort. ex Tanaka
[14] *Citrus nobilis*
[15] Synonyms include *Citrus ×paradisi* Macfad.
[16] *Citrus paradisi*

		Aluja et al., 2020[17]; Birke and Aluja, 2011[14]; Diaz-Fleischer and Aluja, 2003b[14]; Diaz-Fleischer and Aluja, 2003a[14]; Diaz-Fleischer and Aluja, 2003c[14]; Eben et al., 2000[14]; Eskafi and Cunningham, 1987[18]; Hernández-Ortiz et al., 2006[14]; Jimenez et al., 1992[19]; Molina-Nery et al., 2014[14]; Robacker and Fraser, 2003[14]
Citrus ×*aurantium* L. var. *sinensis* L.	Baladi orange, blood orange, common orange, navel orange, orange, sweet orange, Valencia orange	Aluja et al., 1986[20]; Aluja et al., 1987[21]; Aluja et al., 2004[20]; Eben et al., 2000[20]; Eskafi and Cunningham, 1987[20] Hernández-Ortiz et al., 2006[22]; Molina-Nery et al., 2014[20]; Pecina-Quintero, 2009[23]
Citrus ×*limon* (L.) Osbeck	Canton lemon, Chinese dwarf lemon, dwarf lemon, lemon, mandarin lime, marmalade lime, Meyer lemon, Otaheite orange, Rangpur lime, red lemon, sweet lemon, sweet lime	Aluja et al., 1987[24]; Aluja et al., 2004[22]; Eskafi and Cunningham, 198724; Jimenez et al., 1992[22]
Citrus maxima (Burm.) Merr.	Pomelo, pummelo, shaddock	Aluja et al., 1987; Aluja et al., 2000; Hernández-Ortiz and Pérez-Alonso, 1993; Jimenez et al., 1992
Citrus medica L.	Buddha's-Hand, citron, finger citron	Aluja et al., 1987
Citrus reticulata Blanco	Culate mandarin, mandarin, mandarin orange, Swatow orange, tangerine	Aluja et al., 1986; Aluja et al., 1987; Aluja et al., 2000; Eskafi and Cunningham, 1987
Coffea arabica L.	Arabian coffee, arabica coffee, coffee, coffee tree	Eskafi and Cunningham, 1987

[17] *C.* × *paradisi* cv. 'Marsh'
[18] *Citrus* ×*paradisi* Macfad.
[19] *Citrus paradisis* (sic)
[20] *Citrus* [sic] *sinesis*
[21] *Citrus* ×*sinensis* (L.) Osbeck
[22] *Citrus sinensis*
[23] *Citrus sinensis* (L.) Osbeck cv Valencia
[24] *Citrus limetta* Risso (Christm.)

Diospyros kaki Thunb.	Chinese persimmon, Japanese persimmon, kaki, kaki persimmon, oriental persimmon	Eskafi and Cunningham, 1987
Diospyros nigra (J.F. Gmel.) Perr.	Black persimmon, black sapote	Orozco-Dávila et al., 2007[25]
Inga flexuosa Schltdl.[26]	Chalum	Eskafi and Cunningham, 1987[24]
Inga inicuil Schltdl. & Cham. ex G. Don	Ice cream bean	Baker et al., 1944[27]
Malus domestica (Suckow) Borkh.	Apple	Eskafi and Cunningham, 1987[28]
Mammea americana L.	Mamey, mammee-apple, mammy-apple, tropical-apricot	Baker et al., 1944; Bush, 1962
Mangifera indica L.	Common mango, Indian mango, mango	Aluja and Díaz-Fleischer, 2006; Aluja et al., 1987; Aluja et al., 2000[29]; Aluja et al., 2004; Birke and Aluja, 2011; Diaz-Fleischer et al., 2004; Eben et al., 2000; Eskafi and Cunningham, 1987
Melicoccus oliviformis Kunth	Guaya	García-Ramírez et al., 2010[30]
Passiflora edulis Sims	Common passionfruit, granadilla, passionfruit, purple granadilla	Eskafi and Cunningham, 1987
Persea americana Mill.[31]	Avocado	Bush, 1962
Pouteria campechiana (Kunth) Baehni	Eggfruit-tree, yellow sapote	Orozco-Dávila et al., 2007
Prunus persica (L.) Batsch	Peach	Aluja et al., 2000; Eskafi and Cunningham, 1987
Psidium cattleyanum Sabine var. *littorale* (Raddi) Fosberg	Cattley guava, Chinese strawberry guava, strawberry guava, yellow Cattley guava, yellow strawberry guava	Eskafi and Cunningham, 1987[32]

[25] black sapote (*Diospyros digynajaca*)
[26] *Inga micheliana* Harms
[27] *Inga jinicuil* Schlecht.
[28] *Malus pumila* Mill.
[29] cultivar Kent, var. *criollo*, and var. *manila*
[30] *Talisia olivaeformis*
[31] Interstate movement of 'Hass' avocados from quarantined areas is allowed in accordance with specific regulatory measures stated in 7 CFR 301.32-4(d)
[32] *Psidium littorale* Raddi

Psidium guajava L.	Common guava, guava, lemon guava, yellow guava	Aluja et al., 1986; Eskafi and Cunningham, 1987; Jimenez et al., 1992
Punica granatum L.	Pomegranate	Aluja et al., 2020; Jimenez et al., 1992
Pyrus communis L.	Pear	Aluja et al., 2020; Baker et al., 1944; Eskafi and Cunningham, 1987
Sideroxylon capiri (A. DC.) Pittier subsp. *tempisque* (Pittier) T. D. Penn.	Tempisque	Aluja et al., 1987[33]
Spondias purpurea L.	Hogplum, red mombin, Spanish-plum	Eskafi and Cunningham, 1987; Eskafi, 1990
Syzygium jambos (L.) Alston	Malabar-plum, rose-apple	Baker et al., 1944[30]; Eskafi and Cunningham, 1987[34]

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