

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

Effective July 29, 2026, the berries, fruits, nuts, and vegetables¹ 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
<i>Anacardium occidentale</i> L.	Cashew, cashew nut, cashew apple	Eskafi and Cunningham, 1987
<i>Annona cherimola</i> Mill.	Custard-apple	Baker et al., 1944
<i>Annona cherimola</i> Mill. × <i>Annona reticulata</i> L.	Atemoya	Ruiz-Montiel et al., 2013
<i>Annona liebmanniana</i> Baill.	Hardshell custard-apple	Ruiz-Montiel et al., 2013
<i>Annona reticulata</i> L.	Bullock's-heart, custard-apple, ox-heart	Baker et al., 1944; Ruiz-Montiel et al., 2013
<i>Annona squamosa</i> L.	Custard-apple, sugar-apple, sweetsop	Aluja et al., 1987
<i>Capsicum pubescens</i> Ruiz & Pav.	Apple chili, horse chili	Thomas, 2004 ³
<i>Carica papaya</i> L.	Papaya, pawpaw	Eskafi and Cunningham, 1987
<i>Casimiroa edulis</i> 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
<i>Casimiroa greggii</i> (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
<i>Casimiroa microcarpa</i> Lundell	N/A	Lopez-Ortega et al., 2020
<i>Casimiroa pubescens</i> Ramírez	N/A	Vanoye-Eligio et al., 2015
<i>Casimiroa sapota</i> Oerst.	Matasano	Aluja et al., 1986
<i>Citrus ×aurantiifolia</i> (Christm.) Swingle	Egyptian lime, Indian lime, Key lime, lime, Mexican lime, sour lime, West Indian lime	Eskafi and Cunningham, 1987 ⁵
<i>Citrus ×aurantium</i> 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
<i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (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
<i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (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
<i>Citrus ×aurantium</i> L. var. <i>sinensis</i> 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
<i>Citrus ×limon</i> (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, 1987 ²⁴ ; Jimenez et al., 1992 ²²
<i>Citrus maxima</i> (Burm.) Merr.	Pomelo, pummelo, shaddock	Aluja et al., 1987; Aluja et al., 2000; Hernández-Ortiz and Pérez-Alonso, 1993; Jimenez et al., 1992
<i>Citrus medica</i> L.	Buddha's-Hand, citron, finger citron	Aluja et al., 1987
<i>Citrus reticulata</i> 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
<i>Coffea arabica</i> L.	Arabian coffee, arabica coffee, coffee, coffee tree	Eskafi and Cunningham, 1987

¹⁷ *C. × paradisi* cv. 'Marsh'

¹⁸ *Citrus × paradisi* Macfad.

¹⁹ *Citrus paradisi* (sic)

²⁰ *Citrus* [sic] *sinensis*

²¹ *Citrus × sinensis* (L.) Osbeck

²² *Citrus sinensis*

²³ *Citrus sinensis* (L.) Osbeck cv Valencia

²⁴ *Citrus limetta* Risso (Christm.)

<i>Diospyros kaki</i> Thunb.	Chinese persimmon, Japanese persimmon, kaki, kaki persimmon, oriental persimmon	Eskafi and Cunningham, 1987
<i>Diospyros nigra</i> (J.F. Gmel.) Perr.	Black persimmon, black sapote	Orozco-Dávila et al., 2007 ²⁵
<i>Inga flexuosa</i> Schltdl. ²⁶	Chalum	Eskafi and Cunningham, 1987 ²⁴
<i>Inga inicuil</i> Schltdl. & Cham. ex G. Don	Ice cream bean	Baker et al., 1944 ²⁷
<i>Malus domestica</i> (Suckow) Borkh.	Apple	Eskafi and Cunningham, 1987 ²⁸
<i>Mammea americana</i> L.	Mamey, mammee-apple, mammy-apple, tropical-apricot	Baker et al., 1944; Bush, 1962
<i>Mangifera indica</i> 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
<i>Melicoccus oliviformis</i> Kunth	Guaya	García-Ramírez et al., 2010 ³⁰
<i>Passiflora edulis</i> Sims	Common passionfruit, granadilla, passionfruit, purple granadilla	Eskafi and Cunningham, 1987
<i>Persea americana</i> Mill. ³¹	Avocado	Bush, 1962
<i>Pouteria campechiana</i> (Kunth) Baehni	Eggfruit-tree, yellow sapote	Orozco-Dávila et al., 2007
<i>Prunus persica</i> (L.) Batsch	Peach	Aluja et al., 2000; Eskafi and Cunningham, 1987
<i>Psidium cattleianum</i> Sabine var. <i>littorale</i> (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

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

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³⁴ *Eugenia jambos* L.

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