

Sapote fruit fly, *Anastrepha serpentina* (Wiedemann), 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. serpentina* 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. serpentina* 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>Alchornea latifolia</i> Sw.	N/A	Aluja et al., 1987
<i>Annona glabra</i> L.	Alligator apple, corkwood, cow-apple	Shaw, 1947
<i>Annona squamosa</i> L.	Sugar apple, sweetsop	dos Santos Felix Melo et al., 2012
<i>Averrhoa carambola</i> L.	Carambola, five-corner, starfruit	Rocha Leal et al., 2009
<i>Bumelia sebolana</i> Lundell	N/A	Aluja et al., 2003
<i>Byrsonima crassifolia</i> (L.) Kunth	Craboo, golden spoon, nance	Aluja et al., 1987 ³
<i>Cheiloclinium cognatum</i> (Miers) A.C. Sm.	N/A	Do Bomfim et al., 2014
<i>Chrysophyllum argenteum</i> Jacq.	Bastard redwood	Molineros et al., 1992 ⁴
<i>Chrysophyllum cainito</i> L.	Star-apple	Aluja et al., 1987; Jiron et al., 1988; Lopez-Ortega et al., 2020; Rocha Leal et al., 2009; Shaw, 1947; Steck et al., 1990; Uramoto, 2007; Vayssières et al., 2013
<i>Chrysophyllum gonocarpum</i> (Mart. & Eichler) Engl.	N/A	de Almeida et al., 2019

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 Host as *Byrsonima* [sic] *crassifolia* (L.) HBK.

⁴ Host as *Chrysophyllum argenteum* [sic], and cainito.

<i>Chrysophyllum mexicanum</i> Brandege ex Standl.	Caimitillo	Aluja et al., 2009; Lopez-Ortega et al., 2020; Hernández-Ortiz et al., 1993; Robacker et al., 2009
<i>Citrus ×aurantium</i> L.	Bigarade, bitter orange, bittersweet orange, clementine, Seville orange, sour orange, tangelo	Aluja et al., 1987 ⁵ ; Hernández-Ortiz et al., 2006 ⁵
<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., 1987 ⁶ ; Eskafi, 1990 ⁶ ; Eskafi and Cunningham, 1987 ⁶ ; Lemos et al., 2011 ⁶ ; Rodrigues et al., 2021 ⁶
<i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined.	Grapefruit	Aluja et al., 1987 ⁷ ; Caraballo, 1981 ⁷ ; Hernández-Ortiz et al., 2006 ⁷
<i>Citrus maxima</i> (Burm.) Merr.	Pomelo, pummelo, shaddock	Aluja et al., 1987
<i>Citrus reticulata</i> Blanco	Mandarin, mandarin orange, Swatow orange, tangerine	Lemos et al., 2011; Rodrigues et al., 2021
<i>Diospyros digyna</i> Jacq.	Black persimmon, black sapote	Jiron et al., 1988
<i>Ecclinusa lanceolata</i> (Mart. & Eichler) Pierre	N/A	Ugarte Llancay et al., 2022
<i>Eugenia uniflora</i> L.	Brazil cherry, Surinam cherry	Vayssières et al., 2013
<i>Ficus gomelleira</i> Kunth & Bouché	N/A	Uramoto, 2007; Uramoto et al., 2008
<i>Hexachlamys edulis</i> (O. Berg) Kausel & D. Legrand	N/A	de Almeida et al., 2019 ⁸
<i>Lacmellea edulis</i> H. Karst.	N/A	Rodriguez et al., 2023
<i>Lucuma bifera</i> Molina	Lúcuma	Molineros et al., 1992 ⁹
<i>Lucuma campechiana</i> Kunth	Canistel, eggfruit tree, yellow sapote	Aluja et al., 1987 ¹⁰ ; Lopez-Ortega et al., 2020 ¹⁰ ; Shaw, 1947 ¹¹
<i>Lucuma rivicoa</i> C. F. Gaertn	Lúcuma	Vayssières et al., 2013 ¹²
<i>Malus sylvestris</i> (L.) Mill.	Crab apple, European crab apple	Shaw, 1947

⁵ Host as *Citrus aurantium* L.

⁶ Host as *Citrus sinensis* (L.) Osbeck.

⁷ Host as *Citrus paradisi*, *C. paradisi* MacFad, or *Citrus paradisi* Macfady [sic]

⁸ Host as *Eugenia myrcianthes* Nied.

⁹ Host as *Pouteria lucuma* (Ruiz & Pav.) Kuntze

¹⁰ Host as *Pouteria campechiana* (Kunth) Baehni

¹¹ Host as *Lucuma salicifolia* HBK.

¹² Host as *Richardella macrophylla* Lam.

<i>Mammea americana</i> L.	Mamey, mammee apple, mammy apple, tropical apricot	Aluja and Diaz-Fleischer, 2006; Aluja et al., 2001; Malavasi et al., 1980; Sharp et al., 1989; Shaw, 1947; Vayssières et al., 2013
<i>Mangifera indica</i> L.	Common mango, Indian mango, mango	Aluja et al., 1987; Aluja et al., 1990; Hernández-Ortiz et al., 2006; Mena-Correa et al., 2010
<i>Manilkara huberi</i> (Ducke) A. Chev	N/A	de Deus et al., 2010
<i>Manilkara subsericea</i> (Mart.) Dubard	N/A	Uramoto, 2007 ¹³ ; Uramoto et al., 2008 ¹³
<i>Manilkara zapota</i> (L.) P. Royen	Chicle, chico sapote, chiku, naseberry, sapodilla, sapote	Aluja et al., 1987 ¹⁴ ; Aluja et al., 2000; dos Santos Felix Melo et al., 2012 ¹⁵ ; Jiron et al., 1988 ¹⁶ ; do Nascimento Lemos et al., 2017; Lopez-Ortega et al., 2020; Malavasi et al., 1980 ¹⁷ ; Sharp et al., 1989; Steck et al., 1990; Vayssières et al., 2013 ¹⁸
<i>Micropholis melinoniana</i> Pierre	N/A	Aluja et al., 1987 ¹⁹
<i>Mimusops balata</i> (Aubl.) C. F. Gaertn.	N/A	Raga et al., 2011 ²⁰
<i>Pouteria buenaventurensis</i> (Aubrév.) Pilz	N/A	Medianero et al., 2006
<i>Pouteria caimito</i> (Ruiz & Pav.) Radlk.	Abiu	Adaime de Silva et al., 2011; Aguiar-Menezes et al., 2001; dos Santos Felix Melo et al., 2012; Jiron et al., 1988; Malavasi et al., 1980
<i>Pouteria gardneri</i> (Mart. & Eichler) Baehni	N/A	do Nascimento Lemos et al., 2017
<i>Pouteria glomerata</i> (Miq.) Radlk. subsp. <i>glomerata</i>	N/A	Aluja et al., 2000 ²¹

¹³ Host as *Manilkara bella* Monach.

¹⁴ Host as *Manilkara achras* (Mill.)

¹⁵ Host as *Achras sapota* [sic] L.

¹⁶ Host as *Calocarpum mammosum* [L.] Pierre and *Manilkara achras*.

¹⁷ Host as *Achras zapota* L. and *Manilkara zapotilla* L.

¹⁸ Host as *Manilkara sapota* [sic] [L.] P. Royen

¹⁹ Host as *Micropholis mexicana* L.

²⁰ Host as *Mimusops commersonii* (G. Don) Engl.

²¹ Host as *P. hypoglauca* (Standl.) Baehni

<i>Pouteria glomerata</i> (Miq.) Radlk. subsp. <i>stylosa</i> (Pierre) T. D. Penn.	N/A	Shaw, 1947 ²²
<i>Pouteria psammophila</i> (Mart.) Radlk.	N/A	Uramoto, 2007; Uramoto et al., 2008
<i>Pouteria ramiflora</i> (Mart.) Radlk.	N/A	Uchôa et al., 2010; Veloso et al., 1996
<i>Pouteria reticulata</i> (Engl.) Eyma	N/A	Lopez-Ortega et al., 2020
<i>Pouteria sapota</i> (Jacq.) H. E. Moore & Stearn	Mamey, mammeesapote, marmalade-plum, marmalade-tree, sapote	Aluja et al., 1987 ²³ ; Birke et al., 2011; Caraballo, 1981 ²³ ; Castrejón-Gómez et al., 2007; Hernández-Ortiz et al., 1993; Lopez-Ortega et al., 2020; Steck et al., 1990
<i>Pouteria torta</i> (Mart.) Radlk.	N/A	Rocha Leal et al., 2009; Uchôa et al., 2010
<i>Pouteria viridis</i> (Pittier) Cronquist	Green sapote	Eskafi and Cunningham, 1987
<i>Prunus persica</i> (L.) Batsch	Peach	Shaw, 1947
<i>Psidium guajava</i> L.	Common guava, guava, lemon guava, yellow guava	Eskafi et al., 1987; Steck et al., 1990; Vayssières et al., 2013
<i>Salacia crassifolia</i> (Mart. ex Schult.) G. Don	N/A	Do Bomfim et al., 2014
<i>Sideroxylon capiri</i> subsp. <i>tempisque</i> (Pittier) T. D. Penn.	Jungle plum	Lopez-Ortega et al., 2020; Shaw, 1947 ²⁴
<i>Sideroxylon palmeri</i> (Rose) T. D. Penn.	Tempesquistle	Shaw, 1947 ²⁵
<i>Spondias mombin</i> L.	Hog plum, Jamaica plum, jobo, yellow mombin	Montoya et al., 2016
<i>Spondias purpurea</i> L.	Hog plum, jocote, purple mombin, red mombin, Spanish plum	Montoya et al., 2016

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²² Host as *Lucuma standleyana* Pittier

²³ Host as *Calocarpum sapota*, or *Calocarpum sapota* Merr.

²⁴ Host as *Sideroxylon tempisque* Pittier

²⁵ Host as *Bumelia laetivirens* Hemsl.

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