

*Hot water immersion dip.* Complete immersion of a commodity in heated water to raise the temperature of the commodity to a specific temperature for a specified time. This treatment is usually used to kill fruit flies.

*Inspector.* Any individual authorized by the Administrator of APHIS or the Commissioner of Customs and Border Protection, Department of Homeland Security, to enforce the regulations in this part.

*Irradiation.* The use of irradiated energy to kill or devitalize organisms.

*Methyl bromide.* A colorless, odorless biocide used to fumigate a wide range of commodities.

*Phosphine.* Flammable gas generated from either aluminum phosphide or magnesium phosphide and used to treat stored product commodities.

*Quick freeze.* A commercially acceptable method of quick freezing at sub-zero temperatures with subsequent storage and transportation at not higher than 20 °F. Methods that accomplish this are known as quick freezing, sharp freezing, cold pack, or frozen pack, but may be any equivalent commercially acceptable freezing method.

*Section 18 of Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).* An emergency exemption granted by the U.S. Environmental Protection Agency to Federal or State agencies authorizing an unregistered use of a pesticide for a limited time.

*Sulfuryl fluoride.* An odorless, colorless, and nonflammable compressed fumigant that is used primarily to kill pests of wood.

*Steam heat.* The introduction of steam at 212 °F or higher into an enclosure containing a commodity to kill targeted organisms.

*Vacuum fumigation.* Fumigation performed in a gas-tight enclosure. Most air in the enclosure is removed and replaced with a small amount of fumigant. The reduction in pressure reduces the required duration of the treatment.

*Vacuum heat treatment.* The treated commodity is held in a gas-tight enclosure and heated to a specified temperature for a specific time period to kill targeted pests.

*Vapor heat.* Heated air saturated with water vapor and used to raise the temperature of a commodity to a required point for a specific period.

[70 FR 33269, June 7, 2005, as amended at 70 FR 36332, June 23, 2005]

**§305.2 Approved treatments.**

(a) Certain commodities or articles require treatment, or are subject to treatment, prior to the interstate movement within the United States or importation or entry into the United States. Treatment is required as indicated in parts 301, 318, and 319 of this chapter, on a permit, or by an inspector.

(1) Treatment schedules provided in this part must be followed to neutralize pests.

(2) More information about treatment schedules is contained in the Plant Protection and Quarantine (PPQ) Treatment Manual, which is available on the Internet at [http://www.aphis.usda.gov/ppq/manuals/online\\_manuals.html](http://www.aphis.usda.gov/ppq/manuals/online_manuals.html) or by contacting the Animal and Plant Health Inspection Service, Plant Protection and Quarantine, Manuals Unit, 69 Thomas Johnson Drive, Suite 100, Frederick, MD 21702.

(3) Treatment requirements provided in this part must be followed to adequately administer treatment schedules.

(4) APHIS is not responsible for losses or damages incurred during treatment and recommends that a sample be treated first before deciding whether to treat the entire shipment.

(b) *Alpha grass and handicrafts (Stipa tenacissima, Ampelodesmos mauritanicus).* For treatment schedules, see §305.6 for methyl bromide (MB) fumigation.

Pest	Treatment
<i>Harmolita</i> spp. ....	MB T304-a or MB T304-b.

(c) *Bags, bagging materials, and covers (used).* The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation, §305.23 for steam sterilization (SS), and §305.25 for dry heat (DH).

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Used material	Pest	Treatment
Bags and bagging material or covers used to contain root crops.	<i>Globodera rostochiensis</i> .....	MB T306-a.
Bags and bagging used for commodities grown in soil.	Potato cyst nematode .....	MB T502-1.
Bags and bagging material or covers used for cotton only.	<i>Pectinophora</i> spp. ....	MB T306-b.
Bags and bagging used for small grains	Downy mildews and <i>Physoderma</i> diseases of maize.	T503-1-2: Soak in water slightly below boiling (212 °F) for 1 hour; or SS T503-1-3; or DH T503-1-4.
	Flag smut .....	DH T504-1-1 or SS T504-1-2.
Bags and bagging material or covers .....	<i>Trogoderma granarium</i> .....	MB T306-c-1 or MB T306-c-2.
Bagging from unroasted coffee beans .....	Various .....	MB T306-d-1 or MB T306-d-2.
Covers used for commodities grown in soil.	Potato cyst nematode .....	MB T502-2.
Covers used for small grains .....	Downy mildews and <i>Physoderma</i> diseases of maize.	T503-2-2: Soak in water slightly below boiling (212 °F) for 1 hour; or SS T503-2-3; or DH T503-2-4.
Covers used for wheat .....	Flag smut .....	DH T504-2-1 or SS T504-2-2.

(d) *Broomcorn and broomcorn articles.* The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation and §305.23 for steam sterilization (SS).

Pest	Treatment
<i>Ostrinia nubilalis</i> , ticks, and saw flies.	MB T309-a or MB T309-b-1 or MB T309-b-2 or SS T309-c.

(e) *Cotton and cotton products.* The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation and §305.7 for phosphine (PH).

Pest	Treatment
Corn-related diseases (precautionary treatment).	T566-1 (broomcorn) and T566-2 (broomcorn articles): Completely submerge in hot water at 102 °F.

Material	Pest	Treatment
Baled lint or linters .....	<i>Pectinophora</i> spp. ....	MB T301-a-3.
Baled lint, linters, waste, piece goods, gin trash.	<i>Trogoderma granarium</i> .....	MB T301-b-1-1 or MB T301-b-1-2.
Cottonseed (samples and bulk) .....	<i>Pectinophora</i> spp. ....	T301-a-7: (1) Delint the cottonseed by applying sufficient heat (145 °F) or acid or both; or (2) raise the temperature of the delinted seed during the subsequent drying process to 145 °F for no less than 45 seconds or at least 140 °F for no less than 8 minutes.
Cottonseed, cottonseed products, or samples.	<i>T. granarium</i> .....	MB T301-b-2.
Cottonseed meal .....	<i>T. granarium</i> .....	MB T301-b-3.
Cotton and cotton products .....	<i>Globodera rostochiensis</i> .....	MB T301-c.
Cotton and cotton products .....	<i>Anthonomus grandis</i> .....	MB T301-d-1-1 or PH T301-d-1-2.
Lint, linters, cottonseed, cottonseed hulls, gin trash, waste, cottonseed meal, or other baled or bulk commodities (except samples).	<i>Pectinophora</i> spp. ....	MB T301-a-1-1 or MB T301-a-1-2.
Lint, linters, and cottonseed (bulk, sacked, or packaged cottonseed, lint or linters, cottonseed hulls, gin trash, and all other baled or bulk cotton commodities).	<i>Pectinophora</i> spp. ....	PH T301-a-6.
Lint (except baled lint or linters), cottonseed (except packaged cottonseed), cottonseed hulls, gin trash, waste, cottonseed meal, or other baled or bulk commodities (excluding samples).	<i>Pectinophora</i> spp. ....	MB T301-a-2.
Packaged cottonseed .....	<i>Pectinophora</i> spp. ....	MB T301-a-4.
Samples of cotton and cotton products	<i>Pectinophora</i> spp. ....	MB T301-a-5-1 or MB T301-a-5-2.

(f) *Cut flowers and greenery.* The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation.

Pest	Treatment
External feeders, leafminers, hitchhikers (except for snails and slugs), surface pests ...	MB T305-a.
Borers or soft scales .....	MB T305-b.

Pest	Treatment
Mealybugs .....	MB T305-c.

(g) *Equipment.* The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation, §305.9 for aerosol, and §305.23 for steam sterilization (SS).

Article	Pest	Treatment
Aircraft .....	<i>Trogoderma granarium</i> .....	T409-a: Contact PPQ Regional Director for specific instructions. Aerosol T409-b.
	Hitchhiker pests (other than <i>T. granarium</i> , fruit flies, and soft-bodied insects).	
	Fruit flies and soft-bodied insects .....	Aerosol T409-c-1 or Aerosol T409-c-3.
Automobiles .....	<i>Globodera rostochiensis</i> .....	T406-c, steam cleaning: Steam at high pressure until all soil is removed. Treated surfaces must be thoroughly wet and heated.
Construction equipment with cabs .....	<i>G. rostochiensis</i> .....	MB T406-b.
Construction equipment without cabs .....	<i>G. rostochiensis</i> .....	SS T406-d.
Containers .....	<i>G. rostochiensis</i> .....	MB T406-b.
Containers .....	Potato cyst nematode .....	MB T506-1.
Field and processing equipment ( <i>Saccharum</i> ).	<i>Xanthomonas albilineans</i> and <i>X. vasculorum</i> .	T514-4: Remove all debris and soil from equipment with water at high pressure (300 pounds per square inch minimum) or with steam.
Mechanical cotton pickers and other cotton equipment.	<i>Pectinophora gossypiella</i> .....	MB T407.
Used farm equipment with cabs .....	<i>G. rostochiensis</i> .....	T406-c, steam cleaning: Steam at high pressure until all soil is removed. Treated surfaces must be thoroughly wet and heated.
Used farm equipment with cabs .....	<i>G. rostochiensis</i> .....	MB T406-b.
Used farm equipment without cabs .....	<i>G. rostochiensis</i> .....	SS T406-d.
Used containers .....	<i>G. rostochiensis</i> .....	SS T406-d.

(h) *Fruits and vegetables.* (1) Treatment of fruits and vegetables from foreign localities by irradiation in accordance with §305.31 may be substituted for other approved treatments for the mango seed weevil *Sternochetus mangiferae* (Fabricus) or for one or more of the following 11 species of fruit flies: *Anastrepha fraterculus*, *A. ludens*, *A. obliqua*, *A. serpentina*, *A. suspensa*, *Bactrocera cucurbitae*, *B. dorsalis*, *B. tryoni*, *B. jarvisi*, *B. latifrons*, and *Ceratitis capitata*.

(2) The treatment schedules for which administration instructions are not provided are in §305.6 for methyl

bromide (MB) fumigation, §305.10(a) for methyl bromide fumigation and cold treatment (MB&CT), §305.10(b) for cold treatment and methyl bromide fumigation (CT&MB), §305.11 for miscellaneous chemical treatments (CMisc.), §305.16 for cold treatment (CT), §305.18 for quick freeze, §305.21 for hot water dip (HWD), §305.22 for hot water immersion (HWI), §305.24 for vapor heat (VH), §305.27 for forced hot air (FHA), §305.29 for vacuum heat (VCH), §§305.31 through 305.34 for irradiation (IR), and §305.42 for miscellaneous (Misc.).

(i) *Treatment for shipments from foreign localities.*

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
All .....	All imported fruits and vegetables.	Hitchhiker pests or surface pests, except mealybugs.	MB T104-a-1.
		Mealybugs .....	MB T104-a-2.
		Most .....	Quick freeze T110.
	Acorns, chestnuts (see §319.56-2b of this chapter).	<i>Cydia splendana</i> and <i>Curculio</i> spp..	MB T101-t-1 or MB T101-u-1.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
	Banana .....	External feeders such as Noctuidae spp., <i>Thrips</i> spp., <i>Copitarsia</i> spp..	MB T101–d–1.
	Beet .....	Internal feeders .....	MB T101–g–1.
	Beet .....	External feeders .....	MB T101–g–1–1.
	Blackberry .....	External feeders such as Noctuidae spp., <i>Thrips</i> spp., <i>Copitarsia</i> spp., <i>Pentatomidae</i> spp., and <i>Tarsonemus</i> spp..	MB T101–h–1.
	Broccoli (includes Chinese and rapini).	External feeders and leafminers.	MB T101–n–2.
	Brussel sprouts .....	External feeders and leafminers.	MB T101–n–2.
	Cabbage (European and Chinese).	External feeders .....	MB T101–j–1.
	Cabbage (bok choy, napa, Chinese mustard).	External feeders and leafminers.	MB T101–n–2.
	Cantaloupe .....	External feeders .....	MB T101–k–1.
	Carrot .....	External feeders .....	MB T101–l–1.
	Carrot .....	Internal feeders .....	MB T101–m–1.
	Cauliflower .....	External feeders and leafminers.	MB T101–n–2.
	Celeriac (celery root) .....	External feeders .....	MB T101–n–1.
	Celery (above ground parts) ..	External feeders .....	MB T101–o–1.
	Chayote (fruit only) .....	External feeders .....	MB T101–p–1.
	Cherry .....	Insects other than fruit flies ..	MB T101–r–1.
	Cherry .....	<i>Rhagoletis indifferens</i> and <i>Cydia pomonella</i> .	MB T101–s–1.
	Chicory (above ground parts)	External feeders .....	MB T101–v–1.
	Chicory root .....	External feeders .....	MB T101–n–1.
	Copra .....	External feeders .....	MB T101–x–1.
	Corn-on-the-cob .....	<i>Ostrinia nubilalis</i> .....	MB T101–x–1–1.
	Cucumber .....	External feeders .....	MB T101–y–1.
	Dasheen .....	External feeders .....	MB T101–z–1.
	Dasheen .....	Internal feeders .....	MB T101–a–2.
	Durian and other large fruits such as breadfruit.	External feeders .....	Misc. T102–c.
	Endive .....	External feeders .....	MB T101–b–2.
	Fava bean (dried) .....	Bruchidae .....	MB T101–c–2.
			MB T101–d–2.
	Garlic .....	<i>Brachycerus</i> spp. and <i>Dyspessa ulula</i> .	MB T101–e–2.
	Ginger (rhizome) .....	Internal feeders .....	MB T101–f–2.
	Ginger (rhizome) .....	External feeders .....	MB T101–g–2.
	Grapefruit and other citrus .....	<i>Aleurocanthus woglumi</i> .....	MB T101–j–2.
	Herbs and spices (dried) .....	Various stored product pests, except khapra beetle.	MB T101–n–2–1–1.
	Herbs, fresh (includes all fresh plant parts except seeds).	External feeders and leafminers..	
	Kiwi .....	External feeders, <i>Nysius huttoni</i> .	MB T101–m–2.
	Leeks .....	Internal feeders .....	MB T101–q–2.
	Lentils (dried) .....	Bruchidae .....	MB T101–e–1.
	Litchi .....	Mealybugs (Pseudococcidae)	MB T101–b–1–1.
	Lime .....	Mealybugs and other surface pests.	HWI T102–e.
	Melon (including honeydew, muskmelon, and watermelon).	External feeders such as Noctuidae spp., <i>Thrips</i> spp., <i>Copitarsia</i> spp..	MB T101–o–2.
	Onion .....	Internal feeders and leafminers.	MB T101–q–2.
	Papaya .....	<i>Cercospora mamaonis</i> and <i>Phomopsis carica-papayae</i> .	T561: Dip in hot water at 120.2 °F for 20 minutes.
	Parsnip .....	Internal feeders .....	MB T101–g–1.
	Peas (dried) .....	Bruchidae .....	MB T101–e–1.
	Pecans and hickory nuts .....	<i>Curculio caryae</i> .....	CT T107–g.
	Peppers .....	Internal pests (except fruit flies) and external pests (except mealybugs).	MB T101–a–3.
	Pineapple .....	Internal feeders .....	MB T101–r–2

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Location	Commodity	Pest	Treatment schedule <sup>1</sup>
	Plantain .....	External feeders such as Noctuidae spp., <i>Thrips</i> spp., <i>Copitarsia</i> spp..	MB T101-t-2.
	Potato (white or Irish) .....	<i>Graphognathus</i> spp. ....	MB T101-u-2.
	Potato (white or Irish) .....	<i>Ostrinia nubilalis</i> , <i>Phthorimaea operculella</i> .	MB T101-v-2.
	Pulses (dried) .....	Bruchidae .....	MB T101-e-1.
	Pumpkin (includes calabaza varieties).	External feeders .....	MB T101-w-2.
	Radish .....	Internal feeders .....	MB T101-g-1.
	Raspberry .....	External feeders such as Noctuidae spp., <i>Thrips</i> spp., <i>Copitarsia</i> spp..	MB T101-x-2.
	Shallots .....	Internal feeders including leafminers.	MB T101-q-2.
	Squash (winter, summer, and chayote).	External feeders .....	MB T101-y-2.
	Sweet potato .....	External and internal feeders	MB T101-b-3-1.
	Strawberry .....	External feeders .....	MB T101-z-2.
	Tuna and other cactus fruit ...	External feeders and leafminers.	MB T101-e-3.
	Turnip .....	Internal feeders .....	MB T101-g-1.
	Yam (see § 319.56-21 of this chapter).	Internal and external feeders	MB T101-f-3.
	Zucchini .....	<i>Ceratitis capitata</i> , <i>Bactrocera</i> <i>cucurbitae</i> , <i>B. dorsalis</i> .	VH T106-b-8.
	Zucchini .....	External feeders .....	MB T101-h-3.
Albania .....	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-l-2.
Algeria .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
		<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2- 1.
		<i>Ceratitis capitata</i> , <i>Lobesia</i> <i>botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>B. dor-</i> <i>salis</i> , <i>B. tryoni</i> , <i>Brevipalpus</i> <i>chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108- a-2 or T108-a-3.
	Grapefruit, tangerine .....	<i>Ceratitis capitata</i> .....	CT T107-a.
	Pear, plum, ethrog .....	<i>Ceratitis capitata</i> .....	CT T107-a.
		<i>Bactrocera cucurbitae</i> , <i>B. dor-</i> <i>salis</i> , <i>B. tryoni</i> , <i>Brevipalpus</i> <i>chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108- a-2 or T108-a-3.
Antigua and Barbuda .....	Bean (pod), pigeon pea (pod)	<i>Cydia fabivora</i> , <i>Epinotia</i> <i>aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Argentina .....	Okra (pod) .....	<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
	Apple, apricot, cherry, kiwi, peach, pear, plum, nec- tarine, quince, pomegranate.	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitis capitata</i> .	CT T107-a-1.
	Blueberry .....	<i>Ceratitis capitata</i> .....	MB T101-i-1-1.
	Grape .....	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitis capitata</i> .	CT T107-a-1.
		Insects other than <i>Ceratitis</i> <i>capitata</i> and <i>Lobesia</i> <i>botrana</i> .	MB T101-i-2.
Armenia .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
		<i>Ceratitis capitata</i> .....	CT T107-a MB T101-h-2-1.
		<i>Ceratitis capitata</i> , <i>Lobesia</i> <i>botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>B. dor-</i> <i>salis</i> , <i>B. tryoni</i> , <i>Brevipalpus</i> <i>chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108- a-2 or T108-a-3.
Australia .....	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-l-2.
	Apple .....	<i>Austrortrix</i> spp. and <i>Epiphyas</i> spp., <i>Bactrocera</i> <i>tryoni</i> , <i>Ceratitis capitata</i> , and other fruit flies.	CT&MB T109-d-1.
		<i>Bactrocera tryoni</i> .....	CT T107-d.
		Tortricidae .....	MB T101-a-1.
		External feeders, apple moth	MB T101-a-1.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
	Asparagus .....	External feeders such as <i>Noctuidae</i> spp., <i>Thrips</i> spp. (except <i>Scirtothrips dorsalis</i> from Thailand), <i>Copitarsia</i> spp., <i>Halotydeus destructor</i> .....	MB T101–b–1.  T101–b–1–1. CT T107–d.
	Citrus—oranges, grapefruits, limes, lemons, mandarins, satsumas, tangors, tan- gerines, and other fruits grown from this species or its hybrids ( <i>C. reticulata</i> ).	<i>Bactrocera tryoni</i> .....	
	Citrus—oranges, grapefruits, limes lemons, mandarins, satsumas, tangors, tan- gerines, and other fruits grown from this species or its hybrids ( <i>C. reticulata</i> ).	<i>Ceratitis capitata</i> .....	CT T107–a.
	Grape .....	<i>Austrotortrix</i> spp. and <i>Epiphyas</i> spp., <i>Bactrocera</i> <i>tryoni</i> , <i>Ceratitis capitata</i> , and other fruit flies.	MB&CT T108–b or CT&MB T109–d–1.
	Kiwi .....	<i>Bactrocera tryoni</i> .....	CT T107–d.
	Pear .....	<i>Austrotortrix</i> spp., <i>Epiphyas</i> spp., <i>Bactrocera tryoni</i> , <i>Ceratitis capitata</i> , and other fruit flies.	CT&MB and T109–d–1.
		<i>Bactrocera tryoni</i> .....	CT T107–d.
		Tortricidae .....	MB T101–a–1.
Austria .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101–h–2.
		<i>Ceratitis capitata</i> .....	CT T107–a or MB T101–h–2– 1.
		<i>Ceratitis capitata</i> , <i>Lobesia</i> <i>botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dor-</i> <i>salis</i> , <i>B. tryoni</i> , <i>Brevipalpus</i> <i>chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108– a–2 or T108–a–3.
	Horseradish .....	<i>Baris lepidii</i> .....	MB T101–1–2.
Aruba .....	Bean, garden (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia</i> <i>aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2 or MB T101–k– 2–1.
	Green bean .....	<i>Cydia fabivora</i> , <i>Epinotia</i> <i>aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
Azerbaijan .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101–h–2.
		<i>Ceratitis capitata</i> .....	CT T107–a or MB T101–h–2– 1.
		<i>Ceratitis capitata</i> , <i>Lobesia</i> <i>botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dor-</i> <i>salis</i> , <i>B. tryoni</i> , <i>Brevipalpus</i> <i>chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108– a–2 or T108–a–3.
	Horseradish (to Hawaii) .....	<i>Baris lepidii</i> .....	MB T101–1–2.
Bahamas .....	Bean (pod) .....	<i>Cydia fabivora</i> , <i>Epinotia</i> <i>aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
	Okra (pod) .....	<i>Pectinophora gossypiella</i> .....	MB T101–p–2.
	Pigeon pea (pod) .....	<i>Cydia fabivora</i> , <i>Epinotia</i> <i>aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
Barbados .....	Bean (pod or shelled), pigeon pea (pod).	<i>Cydia fabivora</i> , <i>Epinotia</i> <i>aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
	Okra (pod) .....	<i>Pectinophora gossypiella</i> .....	MB T101–p–2.
Belarus .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101–h–2.
		<i>Ceratitis capitata</i> .....	CT T107–a or MB T101–h–2– 1.
		<i>Ceratitis capitata</i> , <i>Lobesia</i> <i>botrana</i> .	MB T101–h–2–1.

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Location	Commodity	Pest	Treatment schedule <sup>1</sup>
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Belgium	Horseradish	<i>Baris lepidii</i>	MB T101-1-2.
	Bean, garden (pod or shelled), pea (pod or shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Belize	Horseradish (to Hawaii)	<i>Baris lepidii</i>	MB T101-1-2.
	Bean (pod or shelled), pigeon pea (pod or shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
	Carambola	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
	Ethrog	<i>Ceratitidis capitata</i>	CT T107-a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Grapefruit, orange, tangerine	<i>Anastrepha ludens</i>	CT T107-b.
	Papaya	<i>Ceratitidis capitata</i> , <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> .	FHA T103-d-2 (see §319.56-2(j) of this part).
Bolivia	Blueberry	<i>Ceratitidis capitata</i>	MB T101-i-1-1.
Bosnia		<i>Ceratitidis capitata</i>	CT T107-a.
	Ethrog	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Brazil	Horseradish	<i>Baris lepidii</i>	MB T101-1-2.
	Apple, grape (prohibited into California).	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitidis capitata</i> .	CT T107-a-1.
	Mango	<i>Ceratitidis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102-a.
Bulgaria	Okra	<i>Pectinophora gossypiella</i>	MB T101-p-2.
	Grape	<i>Lobesia botrana</i>	MB T101-h-2.
		<i>Ceratitidis capitata</i>	CT T107-a or MB T101-h-2-1.
		<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Cayman Islands	Horseradish	<i>Baris lepidii</i>	MB T101-1-2.
	Bean (pod or shelled), pigeon pea (pod).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Chile (all provinces except provinces of Region 1 or Chanaral Township of Region 3).	Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
	Apricot, nectarine, peach, plum, plumcot.	External feeders	MB T101-a-3.
	Cherimoya	<i>Brevipalpus chilensis</i>	Misc. T102-b (see §319.56-2z of this chapter for additional treatment information)
	Grape	External feeders	MB T101-i-2-1.
	Horseradish (to Hawaii)	<i>Baris lepidii</i>	MB T101-1-2.
	Lemon (smooth skin)	External feeders, <i>Brevipalpus chilensis</i> .	MB T101-n-2-1.
	Lime	<i>Brevipalpus chilensis</i>	Misc. T102-b-1.
		External feeders, <i>Brevipalpus chilensis</i> .	MB T101-n-2-1.
	Passion fruit	<i>Brevipalpus chilensis</i>	Misc. T102-b-2.
	Tomato	External feeders	MB T101-a-3.
Chile (all provinces of Region 1 or Chanaral Township of Region 3).	Apple, cherry, pear, quince	<i>Ceratitidis capitata</i>	CT T107-a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Apricot	<i>Ceratitidis capitata</i> and external feeders.	CT T107-a and MB T101-a-3.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Avocado .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Babaco (fruit) .....	<i>Ceratitis capitata</i> , <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> .	VH T106–b–3.
	Blueberry .....	External feeders .....	MB T103–d–1.
	Grape .....	<i>Ceratitis capitata</i> .....	MB T101–i–1–1.
		<i>Ceratitis capitata</i> .....	CT T107–a.
		External feeders .....	MB T101–i–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Horseradish (to Hawaii) .....	<i>Baris lepidii</i> .....	MB T101–1–2.
	Kiwi .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Lemon (smooth skinned) .....	External feeders, <i>Brevipalpus chilensis</i> .	MB T101–n–2–1.
	Lime .....	<i>Brevipalpus chilensis</i> .....	Misc. T102–b–2.
		External feeders, <i>Brevipalpus chilensis</i> .	MB T101–n–2–1.
	Loquat .....	<i>Ceratitis capitata</i> .....	CT T107–a.
	Mango .....	<i>Anastrepha</i> spp., <i>Anastrepha ludens</i> , <i>Ceratitis capitata</i> .	HWD T102–a.
	Mountain papaya .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106–b–3 or FHA T103–d–1.
	Nectarine .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		External feeders .....	MB T101–a–3.
	Papaya .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106–b–4 or FHA T103–d–2.
	Peach .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		External feeders .....	MB T101–a–3.
	Persimmon, sand pear .....	<i>Ceratitis capitata</i> .....	CT T107–a.
	Plum, plumcot .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		External feeders .....	MB T101–a–3.
	<i>Opuntia</i> spp. ....	<i>Ceratitis capitata</i> .....	MB T101–d–3.
	Tomato .....	<i>Scrobipalpus absoluta</i> , <i>Rhagoletis tomatitis</i> .	MB T101–c–3–1.
China .....	Litchi .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Conopomorpha sinensis</i> .	CT T107–h.
	Longan .....	<i>Bactrocera dorsalis</i> and <i>B. cucurbitae</i> .	CT T107–j.
	Pear (Ya variety), Shandong Province only.	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Eutetranychus orientalis</i> .	CT T107–f.
	Sand pear .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Eutetranychus orientalis</i> .	CT T107–f.
Colombia .....	Bean, garden .....	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2 or MB T101–k–2–1.
	Blueberry .....	<i>Ceratitis capitata</i> .....	MB T101–i–1–1.
	Cape gooseberry .....	<i>Ceratitis capitata</i> .....	CT T107–a.
	Grape .....	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107–c.
	Grapefruit, orange, plum, tangerine, pomegranate.	<i>Anastrepha ludens</i> .....	CT T107–b.
	Okra .....	<i>Pectinophora gossypiella</i> .....	MB T101–p–2.
	Tuna .....	<i>Ceratitis capitata</i> .....	MB T101–d–3.
	Yellow pitaya .....	<i>Ceratitis capitata</i> and <i>Anastrepha fraterculus</i> .	VH T106–e.



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Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Costa Rica	Bean, garden	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2 or MB T101-k-2-1.
	Bean, lima (pod or shelled), pigeon pea (pod or shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
	Ethrog	<i>Ceratitidis capitata</i> <i>Bactrocera</i> MB&CT <i>cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	CT T107-a. T108-a-1 or T108-a-2 or T108-a-3.
	Grapefruit, orange, tangerine Mango	<i>Anastrepha ludens</i> <i>Ceratitidis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	CT T107-b. HWD T102-a.
Croatia	Ethrog	<i>Ceratitidis capitata</i> <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	CT T107-a. MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Cyprus	Horseradish	<i>Baris lepidii</i>	MB T101-1-2. CT T107-a.
	Ethrog	<i>Ceratitidis capitata</i> <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Grape	<i>Lobesia botrana</i> <i>Ceratitidis capitata</i> <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2. CT T107-a or MB T101-h-2-1. MB T101-h-2-1.
	Grapefruit, orange, tangerine	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Czech Republic	Horseradish	<i>Ceratitidis capitata</i>	CT T107-a.
Denmark	Horseradish (to Hawaii)	<i>Baris lepidii</i>	MB T101-1-2.
Dominica	Bean (pod), pigeon pea (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Dominican Republic	Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
	Bean (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
	Goa bean (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
	Grape	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
	Hyacinth bean	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2-1.
	Pigeon pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , <i>Melanagromyza obtusa</i> and leafminers.	MB T101-k-2 or MB T101-k-2-1.
	Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
	Yard long bean (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Ecuador	Apple	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitidis capitata</i> , <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	CT T107-a-1. MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Bean (pod or shelled), pigeon pea (pod or shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
	Blueberry	<i>Ceratitidis capitata</i>	MB T101-i-1-1.
	Ethrog	<i>Ceratitidis capitata</i>	CT T107-a.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Egypt	Grapefruit, orange, tangerine	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitidis capitata</i> .	CT T107–a–1.
	Mango	<i>Ceratitidis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102–a.
	Okra	<i>Pectinophora gossypiella</i>	MB T101–p–2.
	Pea (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2 or MB T101–k–2–1.
	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
	Orange	<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Pea (pod or shelled)	<i>Ceratitidis capitata</i>	CT T107–a.
<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.		MB T101–k–2 or MB T101–k–2–1.	
Pear	<i>Ceratitidis capitata</i>	CT T107–a.	
	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.	
El Salvador	Bean, garden and lima	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2 or MB T101–k–2–1.
	Ethrog	<i>Ceratitidis capitata</i>	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Grapefruit, orange, tangerine	<i>Anastrepha ludens</i>	CT T107–b.	
	Pigeon pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
Estonia	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
		<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
Finland	Horseradish	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Horseradish (to Hawaii)	<i>Baris lepidii</i>	MB T101–1–2.
France	Apple, pear	<i>Baris lepidii</i>	MB T101–1–2.
	Ethrog, kiwi	<i>Ceratitidis capitata</i>	CT T107–a.
		<i>Ceratitidis capitata</i>	CT T107–a.
Georgia, Republic of	Grape	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Lobesia botrana</i>	MB T101–h–2.
	<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.	
		<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
	Horseradish (to Hawaii)	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Grape	<i>Baris lepidii</i>	MB T101–1–2.	
	<i>Lobesia botrana</i>	MB T101–h–2.	
	<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.	

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Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Germany	Horseradish Grape	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
		<i>Baris lepidii</i>	MB T101-1-2.
		<i>Lobesia botrana</i> <i>Ceratitis capitata</i>	MB T101-h-2. CT T107-a or MB T101-h-2-1.
Greece (includes Rhodes)	Horseradish Grape	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>E. B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
		<i>Baris lepidii</i>	MB T101-1-2.
		<i>Lobesia botrana</i> <i>Ceratitis capitata</i>	MB T101-h-2. CT T107-a or MB T101-h-2-1.
Grenada	Horseradish Kiwi, tangerine, ethrog	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
		<i>Baris lepidii</i>	MB T101-1-2.
		<i>Ceratitis capitata</i>	CT T107-a.
Guadeloupe, Dept of (FR) and St. Barthelemy.	Orange, pomegranate Bean (pod)	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
		<i>Ceratitis capitata</i>	CT T107-a.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Pectinophora gossypiella</i>	MB T101-p-2.
Guatemala	Okra Pigeon pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Pectinophora gossypiella</i>	MB T101-p-2.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Pectinophora gossypiella</i>	MB T101-p-2.
Guyana	Okra (pod) Pigeon pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Pectinophora gossypiella</i>	MB T101-p-2.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Pectinophora gossypiella</i>	MB T101-p-2.
Haiti	Tuna Apple, orange Bean (pod or shelled)	<i>Ceratitis capitata</i>	MB T101-d-3.
		Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Haiti	Okra (pod) Apricot, pomegranate Mango Bean (pod), pigeon pea (pod or shelled) Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
		Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
		<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102-a.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Haiti	Okra (pod) Apricot, pomegranate Mango Bean (pod), pigeon pea (pod or shelled) Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
		Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
		<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102-a.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Haiti	Okra (pod) Apricot, pomegranate Mango Bean (pod), pigeon pea (pod or shelled) Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
		Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
		<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102-a.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Haiti	Okra (pod) Apricot, pomegranate Mango Bean (pod), pigeon pea (pod or shelled) Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101-p-2.
		Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
		<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102-a.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Hungary	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitis capitata</i>	CT T107–a or MB T101–h–2–1.
India	Horseradish	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Israel (includes Gaza)	Litchi (fruit)	<i>Baris lepidii</i>	MB T101–1–2.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Eutetranychus orientalis</i> .	CT T107–f.
Italy	Apple, apricot, nectarine, peach, pear, plum.	<i>Ceratitis capitata</i>	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Avocado	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	MB T101–c–1.
	Brassica oleracea	External feeders and leafminers.	MB T101–n–2.
	Ethrog	<i>Ceratitis capitata</i>	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitis capitata</i>	CT T107–a or MB T101–h–2–1.
	Grapefruit, litchi, loquat, orange, persimmon, pomegranate, pummelo, tangerine.	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Horseradish root (to Hawaii)	<i>Ceratitis capitata</i>	CT T107–a.	
	External feeders and leafminers.	MB T101–1–2.	
Lettuce (leaf), field grown	<i>Baris lepidii</i>	MB T101–1–2.	
	External feeders and leafminers.	MB T101–n–2.	
Pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.	
	<i>Ceratitis capitata</i>	MB T101–d–3.	
Italy	Tuna (fruit)	<i>Ceratitis capitata</i>	CT T107–a.
		<i>Ceratitis capitata</i>	CT T107–a.
	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitis capitata</i>	CT T107–a or MB T101–h–2–1.
	Grapefruit, orange, persimmon, tangerine.	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Horseradish	<i>Ceratitis capitata</i>	CT T107–a.
		<i>Baris lepidii</i>	MB T101–1–2.
	Kiwi (fruit)	<i>Ceratitis capitata</i>	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.	
	<i>Ceratitis capitata</i>	MB T101–d–3.	
Jamaica	Tuna (fruit)	<i>Ceratitis capitata</i>	MB T101–d–3.
		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.

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Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Japan (includes Bonian Island, Ryukyu, Island Ryukyu Island, Tokara Island, Volcano Islands).	Ivy gourd (fruit) .....	<i>Cydia, fabivora, Epinotia aporema, Maruca testullis</i> , and leafminers.	MB T101-k-2.
	Okra (pod) .....	<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
	Thyme .....	External feeders and leafminers.	MB T101-n-2.
Jordan .....	Apple (Fuji only) .....	<i>Carposina niponensis, Conogethes punctiferalis, Tetranychus viennensis, T. kanzawai</i> .	CT&MB T109-a-1 or T109-a-2.
	Cabbage (to Hawaii) .....	External feeders and leafminers.	MB T101-n-2.
Kazakhstan .....	Horseradish (to Hawaii) .....	<i>Baris lepidii</i> .....	MB T101-1-2.
	Apple, persimmon .....	<i>Ceratitis capitata</i> .....	CT T107-a.
	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
Korea, Republic of (South) .....	Grape .....	<i>Ceratitis capitata</i> , .....	CT T107-a or MB T101-h-2-1.
	Horseradish .....	<i>Ceratitis capitata, Lobesia botrana</i> .	MB T101-h-2-1.
	Apple (Fuji only) .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
Kyrgyzstan .....	Grape .....	<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
	Horseradish .....	<i>Ceratitis capitata, Lobesia botrana</i> .	MB T101-h-2-1.
	Apple (Fuji only) .....	<i>Bactrocera cucurbitae, B. dorsalis, B. tryoni, Brevipalpus chilensis, Ceratitis capitata, Lobesia botrana</i> .	MB&CT T108a-1 or T108-a-2 or T108-a-3.
Latvia .....	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-1-2.
	Grape .....	<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
	Apple .....	<i>Ceratitis capitata, Lobesia botrana</i> .	MB T101-h-2-1.
Lebanon .....	Grape .....	<i>Bactrocera cucurbitae, B. dorsalis, B. tryoni, Brevipalpus chilensis, Ceratitis capitata, Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-1-2.
	Apple .....	<i>Ceratitis capitata</i> .....	CT T107-a.
Libya .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
	Horseradish .....	<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
	Apple .....	<i>Ceratitis capitata, Lobesia botrana</i> .	MB T101-h-2-1.
Lithuania .....	Grape .....	<i>Bactrocera cucurbitae, B. dorsalis, B. tryoni, Brevipalpus chilensis, Ceratitis capitata, Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Horseradish .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
	Apple .....	<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
Luxembourg .....	Grape .....	<i>Ceratitis capitata, Lobesia botrana</i> .	MB T101-h-2-1.
	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-1-2.
	Apple .....	<i>Lobesia botrana</i> .....	MB T101-h-2.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
		<i>Ceratitis capitata</i> .....	CT T107–a or MB T101–h–2–1.
		<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Macedonia .....	Ethrog .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Martinique, Dept. of (FR) .....	Horseradish .....	<i>Baris lepidii</i> .....	MB T101–1–2.
	Ethrog .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Mexico .....	Horseradish .....	<i>Baris lepidii</i> .....	MB T101–1–2.
	Apple, cherry, peach, plum, tangerine.	<i>Anastrepha ludens</i> .....	CT T107–b.
	<i>Brassica</i> spp., <i>Chenopodium</i> spp., cilantro.	External feeders such as <i>Noctuidae</i> spp., <i>Thrips</i> spp. (except <i>Scirtothrips dorsalis</i> from Thailand), <i>Copitarsia</i> spp..	MB T101–b–1.
	Carambola .....	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107–c.
	Grapefruit .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Anastrepha</i> spp. ....	MB T101–j–2–1 or FHA T103–a–1 or VH T106–a–2.
	Horseradish .....	<i>Baris lepidii</i> .....	MB T101–1–2.
	Mango .....	<i>Anastrepha ludens</i> .....	VH T106–a–3.
		<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102–a.
		<i>Anastrepha ludens</i> , <i>Anastrepha obliqua</i> , <i>Anastrepha serpentina</i> .	FHA T103–c–1.
	Okra .....	<i>Pectinophora gossypiella</i> .....	MB T101–p–2.
	Orange .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Anastrepha</i> spp. ....	MB T101–j–2–1 or FHA T103–a–1.
		<i>Anastrepha</i> spp. (includes <i>Anastrepha ludens</i> ).	VH T106–a–4.
	Pigeon pea (pod or shelled), bean (pod or shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> .	MB T101–k–2.
	Tangerine .....	<i>Anastrepha</i> spp. ....	MB T101–j–2–1 or FHA T103–a–1 or VH T106–a–1–1.
Moldova .....	Grape .....	<i>Lobesia botrana</i> .....	MB T101–h–2.
		<i>Ceratitis capitata</i> .....	CT T107–a or MB T101–h–2–1.
		<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Montserrat .....	Horseradish .....	<i>Baris lepidii</i> .....	MB T101–1–2.
	Bean (pod), pigeon pea (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
Morocco .....	Okra .....	<i>Pectinophora gossypiella</i> .....	MB T101–p–2.
	Apricot, peach, pear, plum .....	<i>Ceratitis capitata</i> .....	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Cipollino (bulb/wild onion) .....	<i>Exosoma lusitanica</i> .....	MB T101–w–1.
	Ethrog .....	<i>Ceratitis capitata</i> .....	CT T107–a.

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Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Netherlands, Kingdom of	Grape	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
		<i>Lobesia botrana</i> ..... <i>Ceratitis capitata</i> .....	MB T101-h-2. CT T107-a or MB T101-h-2-1. MB T101-h-2-1.
	Grapefruit, orange, tangerine	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Bean, garden	<i>Ceratitis capitata</i> ..... <i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	CT T107-a. MB T101-k-2.
Netherlands Antilles (includes Bonaire, Curacao, Saba, St. Eustatius).	Horseradish (to Hawaii)	<i>Baris leptidii</i> .....	MB T101-1-2.
	Bean (pod or shelled), pigeon pea (pod or shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
New Zealand	Apple	Tortricidae .....	MB T101-a-1.
	Asparagus	<i>Halotydeus destructor</i> .....	MB T101-b-1-1.
Nicaragua	Pear	Tortricidae .....	MB T101-a-1.
	Faba bean (pod), green bean (pod), mung bean (pod), pea (pod).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2 or MB T101-k-2-1.
Norway	Mango	<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>A. ludens</i> .	HWD T102-a.
	Yard-long-bean (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , and <i>Maruca testulalis</i> .	MB T101-k-2 or MB T101-k-2-1.
Panama and canal zone	Horseradish (to Hawaii)	<i>Baris leptidii</i> .....	MB T101-1-2.
	Bean (garden) and lima (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2 or MB T101-k-2-1.
Peru	Ethrog	<i>Ceratitis capitata</i> .....	CT T107-a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Grapefruit, orange, tangerine	<i>Anastrepha ludens</i> .....	CT T107-b.
	Pigeon pea (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Philippines	Asparagus	External feeders .....	MB T101-b-1.
	Bean (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
	Blueberry	<i>Ceratitis capitata</i> .....	MB T101-i-1-1.
	Grape	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitis capitata</i> .	CT T107-a-1.
Poland	Mango	<i>Ceratitis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102-a.
	Okra (pod)	<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
	Avocado	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	MB T101-c-1.
Portugal (includes Azores)	Mango	<i>Bactrocera occipitalis</i> and <i>B. philippinensis</i> .	VH T106-d-1.
	Horseradish	<i>Baris leptidii</i> .....	MB T101-1-2.
Portugal (includes Azores)	Bean, faba (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
		<i>Ceratitis capitata</i> .....	CT T107-a.
	Ethrog	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Grape	<i>Lobesia botrana</i> ..... <i>Ceratitis capitata</i> .....	MB T101-h-2. CT T107-a or MB T101-h-2-1. MB T101-h-2-1.
		<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Romania	Horseradish (to Hawaii)	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Grape	<i>Baris lepidii</i> <i>Lobesia botrana</i> <i>Ceratitis capitata</i>	MB T101–1–2. MB T101–h–2. CT T107–a or MB T101–h–2–1. MB T101–h–2–1.
Russian Federation	Horseradish	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> , <i>Ceratitis capitata</i> , <i>Eutetranychus orientalis</i> .	CT T107–a.
	Grape	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> . <i>Baris lepidii</i> <i>Lobesia botrana</i> <i>Ceratitis capitata</i>	MB&CT T108–a–1 or T108–a–2 or T108–a–3. MB T101–1–2. MB T101–h–2. CT T107–a or MB T101–h–2–1. MB T101–h–2–1.
Saint Kitts and Nevis	Horseradish	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Saint Lucia	Bean (pod), pigeon pea (pod)	<i>Baris lepidii</i> <i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–1–2. MB T101–k–2.
	Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101–p–2.
Saint Vincent and the Grenadines	Bean (pod), pigeon pea (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
St. Martin (France and Netherlands)	Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101–p–2.
Senegal	Bean (pod), pigeon pea (pod)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2.
Slovakia	Okra (pod)	<i>Pectinophora gossypiella</i>	MB T101–p–2.
	Bean, garden (pod or shelled)	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101–k–2 or MB T101–k–2–1.
Slovenia	Horseradish	<i>Baris lepidii</i> <i>Ceratitis capitata</i>	MB T101–1–2. CT T107–a.
South Africa	Horseradish	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Apple, grape, pear	<i>Baris lepidii</i> <i>Ceratitis capitata</i> <i>Cryptophlebia leucotreta</i> and <i>Pterandrus rosa</i> .	MB T101–1–2. CT T107–a. CT T107–e.
Spain	Nectarine, peach, plum	<i>Cryptophlebia leucotreta</i> and <i>Pterandrus rosa</i> .	CT T107–e.
	Citrus (fruit, Western Cape Province only).	<i>Ceratitis capitata</i> <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	CT T107–a. MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Spain	Apple	<i>Ceratitis capitata</i> <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	CT T107–a. MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Ethrog	<i>Ceratitis capitata</i> <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	CT T107–a. MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Spain	Grape	<i>Lobesia botrana</i> <i>Ceratitis capitata</i> <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2. CT T107–a or MB T101–h–2–1. MB T101–h–2–1.
	Grape	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.



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§ 305.2

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Suriname	Grapefruit, loquat, orange, tangerine.	<i>Ceratitis capitata</i> .....	CT T107-a.
	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-l-2.
	Kiwi .....	<i>Ceratitis capitata</i> .....	CT T107-a.
	Lettuce (above ground parts)	External feeders and leafminers.	MB T101-n-2.
	Ortanique (fruit) .....	<i>Ceratitis capitata</i> .....	CT T107-a.
Sweden	Persimmon (fruit) .....	<i>Ceratitis capitata</i> .....	CT T107-a.
	Bean (pod or shelled) .....	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Switzerland	Okra (pod) .....	<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
	Horseradish (to Hawaii) .....	<i>Baris lepidii</i> .....	MB T101-l-2.
Syrian Arab Republic	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
		<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
		<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
	Horseradish (to Hawaii) .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Ethrog .....	<i>Baris lepidii</i> .....	MB T101-l-2.
Taiwan		<i>Ceratitis capitata</i> .....	CT T107-a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&T T108-a-1 or T108-a-2 or T108-a-3.
	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
		<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
		<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
Tajikistan	Carambola .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Eutetranychus orientalis</i> .	CT T107-f.
	Horseradish (to Hawaii) .....	<i>Baris lepidii</i> .....	MB T101-l-2.
	Litchi (including clusters of fruit attached to a stem).	<i>Bactrocera dorsalis</i> , <i>B. cucurbitae</i> , <i>Conopomorpha sinensis</i> .	CT T107-h.
Thailand	Mango .....	<i>Bactrocera dorsalis</i> .....	VH T106-d.
	Horseradish .....	<i>Baris lepidii</i> .....	MB T101-l-2.
	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
Trinidad and Tobago		<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.
		<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT 108-a-1 or T108-a-2 or T108-a-3.
	Asparagus (shoot) .....	<i>Scirtothrips dorsalis</i> .....	MB T101-b-1-1.
	Bean (shelled), pigeon pea (shelled).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Tunisia	Grapefruit, orange, tangerine	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ).	CT T107-c.
	Okra, roselle .....	<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
	Ethrog .....	<i>Ceratitis capitata</i> .....	CT T107-a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
	Grape .....	<i>Lobesia botrana</i> .....	MB T101-h-2.
	<i>Ceratitis capitata</i> .....	CT T107-a or MB T101-h-2-1.	
	<i>Ceratitis capitata</i> , <i>Lobesia botrana</i> .	MB T101-h-2-1.	

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Turkey	Grapefruit, orange, tangerine Peach, pear, plum	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Ceratitidis capitata</i>	CT T107–a.
	Ethrog	<i>Ceratitidis capitata</i>	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Turkmenistan	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
	Orange	<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Ukraine	Grape	<i>Ceratitidis capitata</i>	CT T107–a.
		<i>Lobesia botrana</i>	MB T101–h–2.
	Horseradish	<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
		<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
United Kingdom (includes Channel Islands, Shetland Island).	Horseradish	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Baris lepidii</i>	MB T101–1–2.
	Horseradish (to Hawaii)	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
Uruguay	Apple, nectarine, peach pear, plum.	<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Grape	<i>Baris lepidii</i>	MB T101–1–2.
		<i>Baris lepidii</i>	MB T101–1–2.
Uzbekistan	Grape	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitidis capitata</i> .	CT T107–a–1.
		<i>Lobesia botrana</i>	MB T101–h–2.
	Grape	<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
		<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
Venezuela	Grape	<i>Lobesia botrana</i>	MB T101–h–2.
		<i>Ceratitidis capitata</i>	CT T107–a or MB T101–h–2–1.
	Horseradish	<i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB T101–h–2–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Brevipalpus chilensis</i> , <i>Ceratitidis capitata</i> , <i>Lobesia botrana</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
Bean (pod or shelled), pigeon pea (pod or shelled). Grape, grapefruit, orange, tangerine.	<i>Baris lepidii</i>	MB T101–1–2.	
	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> .	MB T101–k–2 or MB T101–k–2–1.	
	Species of <i>Anastrepha</i> (other than <i>Anastrepha ludens</i> ), <i>Ceratitidis capitata</i> .	CT T107–a–1.	
Mango	<i>Ceratitidis capitata</i> , <i>Anastrepha</i> spp., <i>Anastrepha ludens</i> .	HWD T102–a.	
Okra	<i>Pectinophora gossypiella</i>	MB T101–p–2.	

Location	Commodity	Pest	Treatment schedule <sup>1</sup>
Zimbabwe	Apple, kiwi, pear Apricot, nectarine, peach, plum.	<i>Ceratitis capitata</i> <i>Cryptophlebia leucotreta</i> and <i>Pterandrus rosa</i> .	CT T107-a. CT T107-e.

<sup>1</sup> Treatment by irradiation in accordance with § 305.31 may be substituted for other approved treatments for the mango seed weevil *Sternochetus mangiferae* (Fabricus) or for one or more of the following 11 species of fruit flies: *Anastrepha fraterculus*, *A. ludens*, *A. obliqua*, *A. serpentina*, *A. suspensa*, *Bactrocera cucurbitae*, *B. dorsalis*, *B. tryoni*, *B. jarvisi*, *B. latifrons*, and *Ceratitis capitata*.

(ii) Treatment for shipments from U.S. quarantine localities.

Location	Commodity	Pest	Treatment schedule
Areas in the United States under Federal quarantine for the listed pest.	Fruit of the genera Citrus and Fortunella and of the species <i>Clausena lansium</i> and <i>Poncirus trifoliata</i> . Any fruit listed in § 301.64-2(a) of this chapter. Any article listed in § 301.78-2(a) of this chapter.	<i>Xanthomonas axonopodis</i> pv. <i>citri</i> . <i>Anastrepha ludens</i> <i>Ceratitis capitata</i>	CMisc. CC1 or CMisc. CC2. IR. IR.
Apple	Apple	<i>Anastrepha ludens</i> <i>Anastrepha</i> spp. (other than <i>A. ludens</i> ). <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> . <i>Ceratitis capitata</i>	CT T107-b. CT T107-a-1 or CT T107-c. MB&CT T108-a-1 or T108-a-2 or T108-a-3. CT T107-a or MB&CT T108-b.
Apricot	Apricot	<i>Anastrepha ludens</i> <i>Bactrocera dorsalis</i> , <i>Ceratitis capitata</i> . <i>Ceratitis capitata</i>	CT T107-b. MB&CT T108-a-1 or T108-a-2 or T108-a-3. CT T107-a.
Avocado	Avocado	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Bay leaves	Bay leaves	<i>Phytophthora ramorum</i>	VCH T111-a-1
Bell pepper	Bell pepper	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106-b-1.
Cherry	Cherry	<i>Bactrocera dorsalis</i> , <i>Ceratitis capitata</i> . <i>Ceratitis capitata</i>	MB&CT T108-a-1 or T108-a-2 or T108-a-3. CT T107-a.
Citrons	Citrons	<i>Anastrepha ludens</i> <i>Ceratitis capitata</i>	CT T107-b. CT T107-a.
Citrus	Citrus	<i>Anastrepha ludens</i> <i>Anastrepha</i> spp. (other than <i>A. ludens</i> ). <i>Bactrocera dorsalis</i> <i>Ceratitis capitata</i>	FHA T103-a-1. CT T107-a-1, CT T107-c. MB&CTOFF or CT&MBOFF. CT T107-a or MB T101-w-1-2.
Citrus fruit regulated under § 301.78-2(a) of this chapter.	Citrus fruit regulated under § 301.78-2(a) of this chapter.	<i>Ceratitis capitata</i>	MB&CTMedfly or CTMedfly.
Citrus fruit regulated under § 301.99-2(b) of this chapter.	Citrus fruit regulated under § 301.99-2(b) of this chapter.	<i>Anastrepha serpentina</i>	MBSFF.
Eggplant	Eggplant	<i>Bactrocera cucurbitae</i> , <i>Ceratitis capitata</i> .	VH T106-b-2.
Grape	Grape	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> . <i>Bactrocera dorsalis</i> <i>Ceratitis capitata</i>	CT T107-f or MB&CT T108-a-1 or T108-a-2 or T108-a-3. MB&CTOFF or CT&MBOFF. MB T101-h-2-1 or CT T107-a or MB&CT T108-b.
Grapefruit	Grapefruit	<i>Anastrepha ludens</i>	CT T107-b or MB T101-j-2-1 or FHA T103-a-1.
Kiwi	Kiwi	<i>Ceratitis capitata</i> <i>Ceratitis capitata</i>	CT T107-a. CT T107-a or MB T101-m-2-1 or MB&CT T108-a-1 or T108-a-2 or T108-a-3.
Litchi	Litchi	<i>Anastrepha ludens</i>	CT T107-b.
Longan	Longan	<i>Anastrepha ludens</i>	CT T107-b.
Loquat	Loquat	<i>Bactrocera dorsalis</i> <i>Ceratitis capitata</i>	CT T107-h. CT T107-a.

Location	Commodity	Pest	Treatment schedule
	Nectarine .....	<i>Bactrocera dorsalis</i> .....	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Ceratitis capitata</i> .....	CT T107–a or CT T107–c or MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Okra .....	<i>Pectinophora gossypiella</i> .....	MB T101–p–2.
	Orange .....	<i>Anastrepha ludens</i> .....	CT T107–b MB T101–j–2–1 or FHA T103–a–1.
		<i>Ceratitis capitata</i> .....	CT T107–a or CT T107–c.
	Optunia cactus ( <i>Optunia</i> spp.)	<i>Ceratitis capitata</i> .....	MB T101–d–3.
	Papaya .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106–c VH T106–b–4 or.
	Peach .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Anastrepha</i> spp. (other than <i>A. ludens</i> ).	CT T107–a–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Ceratitis capitata</i> .....	CT T107–a or T107–c.
	Pear .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Anastrepha</i> spp. (other than <i>A. ludens</i> ).	CT T107–a–1.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Ceratitis capitata</i> .....	CT T107–a or CT T107–c or MB&CT T108–b.
	Pepper, bell .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106–b–1.
	Persimmons .....	<i>Anastrepha ludens</i> .....	CT T107–b.
	Pineapple (other than smooth Cayenne).	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106–b–5.
	Plum .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Bactrocera dorsalis</i> .....	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Ceratitis capitata</i> .....	CT T107–a or CT T107–c or MB&CT T108–a–1 or T108–a–2 or T108–a–3.
	Pomegranate .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Ceratitis capitata</i> .....	CT T107–a or CT T107–c.
	Pummelo .....	<i>Ceratitis capitata</i> .....	CT T107–a.
	Quince .....	<i>Anastrepha ludens</i> .....	CT T107–b.
		<i>Anastrepha</i> spp. (other than <i>A. ludens</i> ).	CT T107–a–1.
		<i>Bactrocera dorsalis</i> .....	MB&CT T108–a–1 or T108–a–2 or T108–a–3.
		<i>Ceratitis capitata</i> .....	CT T107–a.
	Squash .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> .	VH T106–b–6.
	Tomato .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106–b–7.
		<i>Bactrocera dorsalis</i> .....	MBOFF.
		<i>Ceratitis capitata</i> .....	MB T101–c–3.
	White sapote .....	<i>Anastrepha ludens</i> .....	CT T107–b.
Hawaii .....	Abiu .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
	Atemoya .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
	Avocado .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	MB T101–c–1.
		<i>Ceratitis capitata</i> .....	CT T107–a.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>B. tryoni</i> , <i>Ceratitis capitata</i> , <i>Brevipalpus chiliensis</i> , and <i>Lobesia botrana</i> .	CT T108–a–1 or T108–a–2 or T108–a–3.
	Bell pepper .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR or VH T106–b–1.
	Carambola .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
	Citrus .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	FHA T103–b–1.
	Eggplant .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR or VH T106–b–2.
	Litchi .....	<i>Bactrocera</i> or <i>dorsalis</i> , <i>Ceratitis capitata</i> .	HWI T102–d or VH T106–f.

Location	Commodity	Pest	Treatment schedule
	Longan .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
		<i>Bactrocera dorsalis</i> , <i>Ceratitis capitata</i> .	HWI T102-d-1.
	Mango .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
	Papaya .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	VH T106-b-4 or VH T106-c or FHA T103-d-2 or IR.
	Pineapple (other than smooth Cayenne).	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR or VH T106-b-5.
	Rambutan .....	<i>Bactrocera dorsalis</i> , <i>Ceratitis capitata</i> .	FHA T103-e or VH T106-g.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
	Sapodilla .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR.
	Squash, Italian .....	<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR or VH T106-b-6.
	Sweet potato .....	<i>Euscepes postfasciatus</i> , <i>Omphisa anastomosalis</i> , <i>Elytrotreinus subtruncatus</i> .	MB T101-b-3-1 or IR.
	Tomato .....	<i>Ceratitis capitata</i> .....	VH T106-b-5 or MB T101-c-3.
		<i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , <i>Ceratitis capitata</i> .	IR or VH T106-b-7.
	Puerto Rico .....	Beans (string, lima, faba) and pigeon peas (fresh shelled or in the pod).	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , <i>Melanagromyza obtusa</i> , and leafminers.
Citrus fruits (orange, grapefruit, lemon, citron, and lime).		<i>Anastrepha obliqua</i> .....	CT T107-c.
Mango .....		<i>Anastrepha</i> spp., <i>Ceratitis capitata</i> .	HWD T102-a.
Okra (pod) .....		<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
Sweet potato .....		External and internal feeders	MB T101-b-3-1.
Pigeon pea (pod or shelled) ..		<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2.
Virgin Islands .....	Beans (string, lima, faba) and pigeon peas, in the pod.	<i>Cydia fabivora</i> , <i>Epinotia aporema</i> , <i>Maruca testulalis</i> , and leafminers.	MB T101-k-2 or MB T101-k-2-1.
	Citrus fruits (orange, grapefruit, lemon, citron, and lime).	<i>Anastrepha obliqua</i> .....	CT T107-c.
	Mango .....	<i>Anastrepha</i> spp., <i>Ceratitis capitata</i> .	HWD T102-a.
	Okra (pod) .....	<i>Pectinophora gossypiella</i> .....	MB T101-p-2.
	Sweet potato .....	External and internal feeders	MB T101-b-3-1.

(i) *Garbage*. For treatment of garbage, see § 305.33.

(j) *Grains and seeds not intended for propagation*. The treatment schedules for which administration instructions

are not provided are in § 305.6 for methyl bromide (MB) fumigation, § 305.23 for steam sterilization (SS), and § 305.25 for dry heat (DH).

Plant material	Pest	Treatment schedule
Acorns .....	<i>Cydia splendana</i> and <i>Curculio</i> spp .....	MB T302-g-1 or MB T302-g-2.
Corn seed (commercial lots) .....	Various corn-related diseases .....	SS T510-1.
Ear corn .....	Borers .....	MB T302-a-1-1 or DH T302-a-1-2.
Grains and seeds (guar "gum") .....	<i>Trogoderma granarium</i> .....	MB T302-c-1 or MB T302-c-3.
Grains and seeds .....	<i>Trogoderma granarium</i> .....	MB T302-c-2.
Grains and seeds contaminated with cotton seed.	<i>Pectinophora</i> spp .....	MB T301-a-1-1 or MB T301-a-1-2.
Grains and seeds .....	Insects other than <i>Trogoderma granarium</i> .	MB T302-e-1 or MB T302-e-2.

Plant material	Pest	Treatment schedule
Grains and seeds excluding <i>Rosmarinus</i> seed.	Snails .....	T302–f: Remove snails through separation by screening or hand removal. If not feasible, an inspector will deny entry or treat with appropriate schedule (See miscellaneous cargo in paragraph (m) of this section.).
Shelled corn contaminated with cottonseed. (Do not use shelled corn treated with T301 for food or feed.)	<i>Pectinophora</i> spp .....	MB T302–b–1–2 (See MB T301–a–1–1 or MB T301–a–1–2.).

(k) *Hay, baled.* For treatment of baled hay for *Mayetiola destructor*, see the phosphine treatment schedule T311 in § 305.7.

(l) *Khapra beetle.* (1) For the heat treatment of feeds and milled products that are heated as a part of the processing procedure, or for other commodities that can be subjected to heat, and that are infested with khapra beetle, see treatment schedule T307–a in § 305.26.

(2) See treatment schedule T306–c–1 in § 305.6 for finely ground oily meals and flour.

(3) See also specific articles where the pest is *Trogoderma granarium* (khapra beetle).

(4) See treatment schedule T302–g–1 in § 305.6 for sorptive materials.

(m) *Miscellaneous (nonfood, nonfeed commodities or articles).* The treatment schedules for which administration instructions are not provided are in § 305.6 for methyl bromide (MB) fumigation, § 305.8 for sulfuryl fluoride, § 305.16 for cold treatment (CT), and § 305.23 for steam sterilization (SS).

Material	Pest	Treatment schedule
Brassware from Bombay (Mumbai), India	<i>Trogoderma granarium</i> .....	MB T413–a or MB T413–b.
Inanimate, nonfood articles .....	Gypsy moth egg masses .....	MB T414.
Miscellaneous cargo (nonfood, nonfeed commodities).	Quarantine significant snails of the family Achatinidae, including <i>Achatina</i> , <i>Archachatina</i> , <i>Lignus</i> , <i>Limicolaria</i> .	MB T402–a–1 or CT T403–a–6–3.
	Quarantine significant snails of the family Hygromiidae, including the following genera: <i>Canidula</i> , <i>Cernuella</i> , <i>Cochlicella</i> , <i>Helicella</i> , <i>Helicopsis</i> , <i>Monacha</i> , <i>Platytheba</i> , <i>Pseudotrichia</i> , <i>Trochoidea</i> , <i>Xerolenta</i> , <i>Xeropicta</i> , <i>Xerosecta</i> , <i>Xerotricha</i> .	MB T403–a–2–1 or MB T403–a–2–2 or CT T403–a–2–3.
	Quarantine significant slugs of the families Agriolimacidae, Arionidae, Limacidae, Milacidae, Philomycidae, Veronicellidae, including the following genera: <i>Agriolimax</i> , <i>Arion</i> , <i>Colosius</i> , <i>Deroceas</i> , <i>Diplosolenodes</i> , <i>Leidyula</i> , <i>Limax</i> , <i>Meghimatium</i> , <i>Milax</i> , <i>Pallifera</i> , <i>Pseudoveronicella</i> , <i>Sarasinula</i> , <i>Semperula</i> , <i>Vaginulus</i> , <i>Veronicella</i> .	MB T403–a–3.
	Quarantine significant snails of the family Helicidae, including the following genera: <i>Caracollina</i> , <i>Cepaea</i> , <i>Cryptomphalus</i> , <i>Helix</i> , <i>Otala</i> , <i>Theba</i> .	MB T403–a–4–1 or MB T403–a–4–2 or CT T403–a–4–3.
	Quarantine significant snails of the families Bradybaenidae and Succineidae, including the following genera: <i>Bradybaena</i> , <i>Cathaica</i> , <i>Helicostyla</i> , <i>Omalonyx</i> , <i>Succinea</i> , <i>Trishoplita</i> .	MB T403–a–5–1 or MB T403–a–5–2, or CT T403–a–5–3.

Material	Pest	Treatment schedule
Miscellaneous cargo (nonfood, nonfeed commodities) that is sorptive or difficult to penetrate. Miscellaneous cargo (nonfood, nonfeed commodity) that is not sorptive or difficult to penetrate. Nonfood materials ..... Nonplant articles ..... Nonplant products .....	Quarantine significant snails sensitive to cold treatment. Members of the families Bradybaenidae, Helicidae, Helicellidae, Hygromiidae, and Succineidae, including the following genera: <i>Bradybaena</i> , <i>Candidula</i> , <i>Cepaea</i> , <i>Cathaica</i> , <i>Cernuella</i> , <i>Cochlicella</i> , <i>Helicella</i> , <i>Helicostyla</i> , <i>Theba</i> , <i>Trishoplita</i> , <i>Trochoidea</i> , <i>Xerolenta</i> , <i>Xeropicta</i> , <i>Xerosecta</i> , <i>Xerotricha</i> .	CT T403-a-6-1.
	Quarantine significant snails sensitive to cold treatment, certain members of the family Helicidae, including the genera <i>Helix</i> and <i>Otala</i> .	CT T403-a-6-2.
	Quarantine significant snails sensitive to cold treatment of the family Achatinidae, including the genera <i>Achatina</i> , <i>Archachatina</i> , <i>Lignus</i> , <i>Limicolaria</i> .	CT T403-a-6-3.
	<i>Globodera rostochiensis</i> .....	MB T403-c.
	<i>Trogoderma granarium</i> .....	MB T401-b or MB T402-b-2.
	Wood borers or termites .....	See treatments for wood products in paragraph (y) of this section.
	<i>Pieris</i> spp. (all life stages of cabbageworms) and all other Lepidoptera, hitchhiking insects, including other than Lepidoptera.	MB T403-f.
	Quarantine significant insects not specifically provided for elsewhere in nonfood or nonfeed commodities.	MB T403-e-1-1 or MB T403-e-1-2.
	Quarantine significant pests other than insects (including snails of the families Helicarionidae, Streptacidae, Subulinidae, and Zonitidae, as well as other noninsect pests).	MB T403-e-2.
	Ticks .....	MB T310-a or MB T310-b or sulfuryl fluoride T310-d.
Potato cyst nematode .....	MB T506-2-1 or SS T506-2-3.	
Ants .....	MB T411.	

(n) *Plants, bulbs, corms, tubers, rhizomes, and roots.* § 305.6 for methyl bromide (MB) fumigation, § 305.10 for combination (COM), and § 305.42(c) for miscellaneous (Misc.). The treatment schedules for which administration instructions are not provided are in

Plant material	Pest	Treatment schedule
<i>Anchusa</i> , <i>Astilbe</i> , <i>Clematis</i> , <i>Dicentra</i> , <i>Gardenia</i> , <i>Helleborus</i> , <i>Hibiscus</i> , <i>Kniphofia</i> , <i>Primula</i> .	Lesion nematodes ( <i>Pratylenchus</i> spp.) ...	T553-2: Hot water dip at 118 °F for 30 minutes.
<i>Acalypha</i> .....	<i>Pratylenchus</i> spp .....	T570-1: Hot water dip at 110 °F for 50 minutes.
<i>Aconitum</i> .....	<i>Aphelenchoides fragariae</i> spp .....	T570-2: Hot water dip at 110 °F for 50 minutes.
<i>Allium</i> , <i>Amaryllis</i> , and bulbs .....	Bulb nematodes: <i>Ditylenchus dipsaci</i> , <i>D. destructor</i> .	T552-1: Presoak bulbs in water at 75 °F for 2 hours, then at 110-111 °F for 4 hours.
<i>Amaryllis</i> .....	<i>Ditylenchus destructor</i> .....	T565-1: Hot water dip at 110 °F for 4 hours immediately after digging.
Aquatic plants .....	Snails of the families: Ampullariidae, Bulinidae, Lymnaeidae, Planorbidae, Viviparidae.	T201-q: Hot water treatment at 112 °F for 10 minutes. ( <i>Elodea</i> , <i>Danes</i> , and <i>Cabomba caroliniana</i> plants not tolerant to this treatment.)
Armoracea (horseradish roots), bulbs (not specifically provided for).	<i>Globodera rostochiensis</i> and <i>G. pallida</i> ..	T553-3: Hot water dip at 118 °F for 30 minutes.
<i>Astilbe</i> , <i>Bletilla hyacinthina</i> , <i>Cimicifuga</i> , <i>Epimedium pinnatum</i> , <i>Hosta</i> , <i>Paeonia</i> .	<i>Aphelenchoides besseyi</i> .....	T564-1: Presoak in water at 68 °F for 1 hour followed by hot water soak at 110 °F for 1 hour. Then dip in cold water and let dry.

Plant material	Pest	Treatment schedule
<i>Astilbe</i> roots .....	<i>Brachyrhinus</i> larvae .....	MB T202–b.
<i>Azalea</i> .....	<i>Chrysomyxa</i> spp .....	T501–1: Remove infested parts and treat all plants of same species in shipment with 4–4–50 Bordeaux dip or spray.
<i>Azalea</i> hybrid .....	<i>Chrysomyxa</i> spp .....	T501–2: Remove infested parts and treat all plants of same species in shipment with 4–4–50 Bordeaux dip or spray; or T505–1–1: Treat with mancozeb or other approved fungicide of equal effectiveness according to the label.
Banana roots .....	External feeders .....	T202–c: Pretreatment at 110 °F for 30 minutes. Then, hot water dip at 120 °F for 60 minutes.
<i>Begonia</i> .....	<i>Aphelenchoides fragariae</i> .....	T559–1: Dip in hot water at 118 °F for 5 minutes.
<i>Bletilla hyacinthina</i> .....	<i>Aphelenchoides fragariae</i> .....	T553–4: Dip in hot water at 118 °F for 30 minutes.
Bromeliads .....	External feeders .....	MB T201–e–1.
	Internal feeders such as borers and miners.	MB T201–e–2.
	<i>Phyllosticta bromeliae</i> <i>Uredo</i> spp .....	T507–1: Remove infested leaves and treat all plants of same species in shipment with Captan following label directions.
Cacti and other succulents .....	External feeders (other than soft scales) infesting collected dormant and non-dormant plant material.	MB T201–f–1.
	Borers and soft scales .....	MB T201–f–2.
<i>Calla</i> (rhizomes) .....	<i>Meloidogyne</i> spp .....	T556–1: Dip in hot water at 122 °F for 30 minutes.
<i>Camellia</i> (light infestation) .....	<i>Cylindrosporium camelliae</i> .....	<i>Light infestation</i> : T509–1–1: Remove infested leaves and dip or spray plant with 4–4–50 Bordeaux. Dry quickly and thoroughly. <i>Heavy infestation</i> : An inspector will refuse entry.
Christmas tree .....	<i>Phoma chrysanthemi</i> .....	T501–5: Remove infested parts and treat all plants of same species in shipment with 4–4–50 Bordeaux dip or spray.
<i>Chrysanthemum</i> .....	<i>Phoma chrysanthemi</i> .....	T501–4: Remove infested parts and treat all plants of same species in shipment with 4–4–50 Bordeaux dip or spray.
<i>Chrysanthemum</i> rooted and unrooted cuttings.	Aphids .....	MB T201–g–1.
	External feeders .....	COM T201–g–2.
	Leafminers, aphids, mites, etc. ( <i>Chrysanthemum</i> spp. from Dominican Republic and Colombia when infested with Agromyzid leafminers requires no treatment unless destined to Florida.)	T201–g–3: Dip in hot water at 110–111 °F for 20 minutes.
<i>Chrysanthemum</i> (not including Pyrethrum).	<i>Meloidogyne</i> spp. and <i>Pratylenchus</i> spp .....	T557–1: Dip in hot water at 118 °F for 25 minutes.
Commodities infested with .....	Slugs of the families Agriolimacidae, Arionidae, Limacidae, Milacidae, Philomycidae, Veronicellidae, including the following genera: <i>Agriolimax</i> , <i>Arion</i> , <i>Colosius</i> , <i>Deroceras</i> , <i>Diplosolenodese</i> , <i>Leidyula</i> , <i>Limax</i> , <i>Meghimatium</i> , <i>Milax</i> , <i>Pallifera</i> , <i>Pseudoveronicella</i> , <i>Sarasinula</i> , <i>Semperula</i> , <i>Vaginulus</i> , <i>Veronicella</i> .	MB T201–l.
<i>Convallaria</i> .....	<i>Globodera rostochiensis</i> and <i>G. pallida</i> ..	T551–1: Keep the pips frozen until time for treatment. Then thaw enough to separate bundles just before treatment begins. Without preliminary warmup, immerse in hot water at 118 °F for 30 minutes.
<i>Crocus</i> .....	<i>Aphelenchoides subtenuis</i> , <i>Ditylenchus destructor</i> .	T565–2: Hot water at 110 °F for 4 hours immediately after digging.
Cycads (except <i>Dioon edule</i> ) .....	External feeders .....	MB T201–h–1.
Deciduous woody plants (dormant) .....	External feeders .....	MB T201–a–1.
	Gypsy moth egg masses .....	MB T313–a or MB T313–b.
	Mealybugs .....	MB T305–c.



Plant material	Pest	Treatment schedule
Deciduous woody plants (dormant), root cuttings, scion wood cuttings, and non-foliated citrus whitefly host: <i>Acer</i> , <i>Berberis</i> , <i>Fraxinus</i> , <i>Philadelphus</i> , <i>Rosa</i> , <i>Spiraea</i> , <i>Syringa</i> .	Borers, Citrus whitefly hosts .....	MB T201-a-2 or MB T201-k-1.
<i>Dioon edule</i> .....	External feeders .....	MB T201-h-2.
<i>Dieffenbachia</i> , <i>Dracaena</i> , <i>Philodendron</i> (plants and cuttings).	External feeders .....	MB T201-i-1.
Evergreens ( <i>Azalea</i> , <i>Berberis</i> , <i>Camellia</i> , <i>Cedrus</i> , <i>Cupressus</i> , <i>Ilex</i> , <i>Juniperus</i> , <i>Photinia</i> , <i>Podocarpus</i> , <i>Thuja</i> , and <i>Taxus</i> ).	Internal feeders .....	MB T201-i-2.
	External feeders .....	MB T201-b-1.
<b>Exceptions:</b>		
<i>Araucaria</i> .....	External feeders .....	MB T201-c-1.
<i>Azalea indica</i> .....	External feeders .....	MB T201-c-2.
Cycads .....	External feeders .....	MB T201-l.
Hosts .....	<i>Dialeurodes citri</i> .....	MB T201-k-1.
<i>Daphne</i> .....	External feeders .....	MB T201-c-1.
<i>Lavandula</i> .....	External feeders .....	Misc. T201-p-1.
<i>Osmanthus americanus</i> .....	External feeders .....	COM T201-p-2.
<i>Pinus</i> (Canada to certain States) .....	.....	MB T201-j.
Peanuts .....	Gypsy moth egg masses .....	MB T313-a.
Foliated host plants of <i>Dialeurodes citri</i> , excluding <i>Osmanthus americanus</i> .	<i>Dialeurodes citri</i> .....	MB T201-k-1.
<i>Fragaria</i> (strawberry) .....	<i>Aphelenchoides fragariae</i> .....	T569-1: Hot water at 121 °F for 7 minutes.
	<i>Pratylenchus</i> spp. ....	T558-1: Dip in hot water at 127 °F for 2 minutes.
Garlic (see § 319.37-6(c)) .....	<i>Brachycerus</i> spp. and <i>Dyspessa ulula</i> ....	MB T202-j.
<i>Gentiana</i> .....	<i>Septoria gentianae</i> .....	T507-2: Remove infested leaves and treat all plants of same species in shipment with Captan following label directions.
<i>Gladiolus</i> .....	<i>Taeniothrips simplex</i> .....	MB T202-e-1 or MB 202-e-2.
	<i>Ditylenchus destructor</i> .....	T565-3: Hot water at 110 °F for 4 hours immediately after digging.
Greenhouse-grown plants, herbaceous plants and cuttings, greenwood cuttings of woody plants.	External feeders, leafminers, thrips .....	MB T201-c-1.
	Borers and soft scales .....	MB T201-c-2.
<b>Exceptions:</b>		
Bromeliads .....	External feeders .....	MB T201-e-3-1.
Cacti and other succulents .....	External feeders .....	MB T201-j.
<i>Chrysanthemum</i> .....	External feeders .....	MB T201-g-1.
Cycads .....	External feeders .....	MB T201-1.
<i>Cyclamen</i> .....	Mites .....	MB T201-a-2.
<i>Dieffenbachia</i> , <i>Dracaena</i> , and <i>Philodendron</i> .	External feeders .....	MB T201-i-1.
<i>Kalanchoe synsepala</i> .....	Quarantine pests, excluding scale insects.	Misc. T201-p-1.
<i>Lavandula</i> .....	Quarantine pests .....	COM T201-p-2.
Orchids .....	<i>Dialeurodes citri</i> .....	MB T201-k-2.
<i>Osmanthus americanus</i> .....	Quarantine pests .....	Misc. T201-p-1.
<i>Pelargonium</i> .....	Quarantine pests .....	Misc. T201-p-1.
<i>Sedum adolphii</i> .....	Quarantine pests .....	Misc. T201-p-1.
Plants infested with .....	<i>Succinea horticola</i> .....	T201-o-1: Use a high-pressure water spray on the foliage to flush snails from the plants. The run-off drain must be screened to catch snails before drainage into the sewer system.
Plants infested with .....	<i>Veronicella</i> or other slugs .....	MB T201-1.
Horseradish roots from the countries of Armenia, Azerbaijan, Belarus, Bosnia, Herzegovina, Croatia, Czech Republic, Estonia, Georgia, Germany, Hungary, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Macedonia, Moldova, Poland, Russia, Serbia and Montenegro, Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.	External feeders .....	MB T202-f.
Host plants of <i>Aleurocanthus woglumi</i> ....	<i>Aleurocanthus woglumi</i> .....	MB T201-n.

Plant material	Pest	Treatment schedule
Host plants of <i>Omalonyx unguis</i> and <i>Succinea</i> .	<i>Omalonyx unguis</i> and <i>Succinea</i> spp. (snails).	T201–o–1: Use a high-pressure water spray on the foliage to flush snails from the plants. The run-off drain must be screened to catch snails before drainage into the sewer system; or T201–o–2: Dip plants with solution prepared by adding 3 level table-spoons of 25 percent Malathion wettable powder and 6 level teaspoons of 50 percent carbaryl wettable powder per gallon of water with a sticker-spreader formulation.
<i>Humulus</i> .....	<i>Heterodera humuli</i> .....	T553–5: Hot water at 118 °F for 30 minutes.
<i>Hyacinthus</i> (bulbs), <i>Iris</i> (bulbs and rhizomes), <i>Tigridia</i> .	<i>Ditylenchus dipsaci</i> and <i>D. destructor</i> .....	T554–1–1: Presoak in water at 70–80 °F for 2.5 hours followed by hot water immersion at 110–111 °F for 1 hour; or T554–1–2: Hot water immersion at 110–111 °F for 3 hours with no presoaking.
<i>Lilium</i> (bulbs) .....	<i>Aphelenchoides fragariae</i> .....	T566–3: Completely submerge in hot water at 102 °F.
Lily bulbs packed in subsoil .....	Internal feeders .....	MB T202–g.
<i>Lycoris</i> .....	<i>Taeniothrips eucharis</i> .....	MB T202–h.
<i>Muscari</i> , <i>Ornithogalum</i> , <i>Polianthes</i> (tuberose).	<i>Ditylenchus dipsaci</i> .....	T567–1: Dip in hot water at 113 °F for 4 hours.
<i>Narcissus</i> .....	<i>Steneotarsonemus laticeps</i> .....	MB T202–i–1; or MB T202–i–2; or T202–i–3: Hot water at 110–111 °F for 1 hour after bulbs reach 110 °F pulp temperature. Apply hot water within 1 month after normal harvest as injury to flower bud may occur.
	<i>Ditylenchus dipsaci</i> .....	T555–1: Presoak in water at 70–80 °F for 2 hours; then at 110–111 °F until all bulbs reach that temperature and hold for 4 hours.
Nonfoliated host plants of <i>Dialeurodes citri</i> , excluding <i>Osmanthus americanus</i> .	<i>Dialeurodes citri</i> .....	MB T201–k–2.
Orchids .....	<i>Ascochyta</i> spp .....	T513–1: Defoliate if leaf-borne only; inspector will refuse entry if pseudo-bulbs infested.
	<i>Cercospora</i> spp .....	T501–3: Remove infested parts and treat all plants of same species in shipment with 4–4–50 Bordeaux dip or spray.
	<i>Hemileia</i> spp., <i>Leptosphaeria</i> spp., <i>Mycosphaerella</i> spp., <i>Ophiotothella orchidearum</i> , <i>Phomopsis orchidophila</i> , <i>Phyllachora</i> spp., <i>Phyllosticta</i> spp., <i>Sphenospora</i> spp., <i>Sphaerodothis</i> spp., <i>Uredo</i> spp. (except <i>U. scabies</i> ).	<i>Light infestation</i> : T509–2–1: Remove infested leaves and treat plant with 4–4–50 Bordeaux dip or spray. Dry quickly and thoroughly. <i>Heavy infestation</i> : An inspector will refuse entry.
Orchids, plants and cuttings (see MB T305–c for mealybugs).	External feeders (other than soft scales)	MB T201–d–1.
Orchids, plants and cuttings .....	External feeders (other than soft scales) infesting greenhouse grown plant material.	MB T201–d–2.
	Borers, cattleya fly, <i>Mordellistena</i> spp., soft scales, <i>Vinsonia</i> spp.	MB T201–d–3.
	<i>Cecidomyid</i> galls .....	T201–d–4: Excise all galls.
	Leaf miner, <i>Eurytoma</i> spp. infesting <i>Rhynchosyilis</i> .	T201–d–5: Hot water dip at 118 °F for ½ hour followed by a cool water bath.
Orchids to Florida .....	Rusts .....	T508–1: An inspector will refuse entry of all infested plants and all other plants of the same species or variety in the shipment. Other orchid species in the shipment that may have become contaminated must be treated with Captan. Repackage treated orchids in clean shipping containers.
<i>Oryza</i> (paddy rice) .....	<i>Aphelenchoides fragariae</i> .....	T559–2: Dip in hot water at 132.8 °F for 15 minutes.
Pineapple slips .....	Various .....	MB T201–e–3–1 or MB T201–e–3–2.

Plant material	Pest	Treatment schedule
Pines ( <i>Pinus</i> spp.) from Canada and destined to California, Idaho, Oregon, or Utah. Precautionary treatment for pine trees and twigs and branches of all <i>Pinus</i> spp., except that Christmas trees and other pine decorative materials are exempt from treatment from November 1–December 31.	<i>Rhyacionia buoliana</i> .....	MB T201–j.
Plant cuttings:		
Scion wood .....	External feeders .....	MB T201–m–1.
Greenwood cuttings of woody plants and herbaceous plant cuttings.	External feeders .....	MB T201–m–2.
Root cuttings .....	External feeders .....	MB T201–m– or MB T201–m–4.
Exceptions to plant cuttings:		
Avocado .....	External feeders .....	COM T201–p–1.
<i>Chrysanthemum</i> .....	External feeders .....	MB T201–g–1.
<i>Dieffenbachia</i> .....	External feeders .....	MB T201–i–1.
<i>Dracaena</i> .....	External feeders .....	MB T201–i–2.
<i>Lavandula</i> .....	External feeders .....	COM T201–p–1.
Orchids .....	External feeders .....	MB T201–k–2.
<i>Philodendron</i> .....	External feeders .....	MB T201–i–1.
Plant material not tolerant to fumigation ..	Actionable pests .....	COM T201–p–1.
<i>Rhododendron</i> .....	<i>Chrysomyxa</i> spp. ....	T501–6: Remove infested parts and treat all plants of same species in shipment with 4–4–50 Bordeaux dip or spray; or T505–2–1: Treat with mancozeb or other approved fungicide of equal effectiveness according to the label instructions.
<i>Rosa</i> (except multiflora) .....	<i>Meloidogyne</i> spp. ....	T560–1: Dip in hot water at 123 °F for 10 minutes.
<i>Selaginella</i> .....	External feeders .....	MB T202–a–1 or MB T202–a–2.
	Internal feeders .....	MB T202–a–3.
<i>Senecio</i> (Lingularis) .....	<i>Aphelenchoides fragariae</i> .....	T568–1: Treat with hot water at 110 °F for 1 hour.
<i>Scilla</i> .....	<i>Ditylenchus dipsaci</i> .....	T565–4: Hot water at 110 °F for 4 hours immediately after digging.
<i>Solanum</i> (potato tubers) .....	<i>Globodera rostochiensis</i> , <i>G. pallida</i> .....	T565–5: Hot water at 110 °F for 4 hours immediately after digging.
Various plant commodities .....	<i>Meloidogyne</i> spp. ....	T553–1: Hot water at 118 °F for 30 minutes.
Yams and sweet potatoes .....	.....	MB T202–d.

(o) *Railroad cars (empty)*. The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation.

Pest	Treatment schedule
<i>Globodera rostochiensis</i> .....	T406–c, steam cleaning: Steam at high pressure until all soil is removed. Treated surfaces must be thoroughly wet and heated.
<i>Pectinophora gossypiella</i> .....	MB T401–a.
<i>Trogoderma granarium</i> .....	MB T401–b.
Nematode cysts .....	T401–c, high pressure steam cleaning; or formaldehyde wetting spray (one part 40 percent commercial formalin to 9 parts water).

(p) *Rice straw and hulls*. The treatment schedules for which administration instructions are not provided are in §305.25 for dry heat (DH), §305.6 for methyl bromide (MB) fumigation, and §305.23 for steam sterilization (SS).

Plant material	Pest	Treatment schedule
Articles made with rice straw .....	Fungal diseases of rice or internal feeders.	DH T303–d–1 or SS T303–b–1 or SS T303–d–2.

Plant material	Pest	Treatment schedule
Articles made with rice straw for indoor use only.	Internal feeders .....	MB T303–d–2–2 or MB T303–d–2–3.
Brooms made of rice straw .....	Various rice-related diseases .....	DH T518–1.
Closely packed rice straw and hulls .....	Various rice-related diseases .....	SS T519–1.
Loose rice straw and hulls .....	Various rice-related diseases .....	SS T519–2.
Novelties made of rice straw .....	Various rice-related-diseases .....	DH T518–2–1 or SS T518–2–2.
Rice straw and hulls imported for purposes other than approved processing.	Fungal diseases of rice .....	SS T303–b–1 or SS T303–b–2.
Rice straw and hulls imported in small lots of 25 pounds or less.	Fungal diseases of rice .....	DH T303–c–1.

(q) *Seeds.* The treatment schedules for which numbers are specified and administration instructions are not provided are in §305.10 for combination (COM) treatments, §305.25 for dry heat

(DH), §305.6 for methyl bromide (MB) fumigation, §305.7 for phosphine (PH), and §305.24 for vapor heat (VH).

(1) Seeds other than noxious weed seeds.

Type of seeds	Pest	Treatment schedule
Alfalfa ( <i>Medicago sativa</i> ) from Europe .....	<i>Verticillium albo-atrum</i> .....	T520–1–1: Dust with 75 percent Thiram at the rate of 166 grams per 50 kilograms of seed (3.3g/kg); or T520–1–2: Treat with a slurry of Thiram 75 WP at a rate of 166 grams per 360 milliliters of water per 50 kilograms of seed (3.3 g pesticide/7.2 ml water/kg seed).
Avocado (no pulp) .....	<i>Conotrachelus</i> spp., <i>Heilipus lauri</i> , <i>Caulophilus latinasus</i> , <i>Copturus aguacatae</i> , <i>Stenomoma catenifer</i> .	MB T203–m.
Casuarina .....	<i>Bootanomyia</i> spp. ....	MB T203–o–l.
Chestnut and acorn .....	Internal feeders .....	MB T203–e.
Citrus (Rutaceae family) .....	Citrus canker .....	COM T203–p; or for seed from regions where citrus canker occurs, COM T511–1.
Conifer (species with small seeds, such as <i>Picea</i> spp., <i>Pinus sylvestris</i> , and <i>Pinus mugo</i> ).	External feeders .....	MB T203–i–1.
Conifer (species with small seeds, such as <i>Picea</i> spp., <i>Pinus sylvestris</i> , and <i>Pinus mugo</i> and nutlike seeds or tightly packed seeds so as to make fumigant penetration questionable).	Internal feeders .....	MB T203–i–2.
Corn (small lots for propagation but not for food, feed, or oil purposes).	Various corn-related diseases .....	T510–2: Treat seeds with a dry application of Mancozeb in combination with Captan. Disinfect small bags containing corn (bags weighing 60 pounds or less) only with: (1) Dry heat at 212 °F for 1 hour; or (2) steam at 10 pounds pressure at a minimum of 240 °F for 20 minutes. Note: Bags with plastic liners must be opened prior to treatment.
Cottonseed (bagged, packaged, or bulk)	External feeders .....	MB T203–f–1 or MB T203–f–2 or MB T203–f–3 or PH T203–f–4.
<i>Hevea brasiliensis</i> .....	Seed boring insects .....	MB T203–j.
Pods and seeds of kenaf, hibiscus, and okra.	Internal feeders .....	MB T203–g–1 or MB T203–g–2 or PH T203–g–3.
Leguminosae=Fabaceae .....	<i>Bruchophagus</i> spp. and <i>Eurytoma</i> spp. ..	MB T203–o–3.
	<i>Caryedon</i> spp. ....	MB T203–c or MB T203–a–2.
	<i>Caryedon</i> spp. (in or with, etc.) .....	MB T203–o–4–1 or MB T203–o–4–2.
	<i>Rhagoletis cerasi</i> pupae (Diptera: Tephritidae).	MB T203–o–5.
<i>Lonicera</i> and other seeds .....	<i>Cryptophlebia illepida</i> .....	MB T203–k.
Macadamia nut .....	Juvenile <i>Helicella</i> spp. (snails) or internal feeders.	MB T203–h.
<i>Rosmarinus</i> .....	<i>Systole</i> spp. ....	MB T203–o–2.
<i>Umbelliferae</i> .....	Bruchidae .....	MB T203–d–1.
<i>Vicia</i> spp., excluding seeds of <i>Vicia faba</i>	Bruchidae .....	MB T203–d–2.
<i>Vicia</i> spp., including seeds of <i>Vicia faba</i>	<i>Trogoderma granarium</i> .....	MB T203–l.
Seeds .....		

Type of seeds	Pest	Treatment schedule
Seeds (excluding seeds of <i>Vicia</i> spp.) ....	Bruchidae excluding <i>Caryedon</i> spp. at NAP.	MB T203-b.
Seeds not specifically listed .....	External feeders .....	MB T203-a-1.
	Internal feeders .....	MB T203-a-2.
Seeds with infested pulp .....	Fruit flies and other pulp infesting insects	T203-n: Place seed in wire basket. Immerse in 118–125 °F water for 25 minutes. Remove pulp from seed under running tap water.

(2) Noxious weed seeds (devitalization treatment).

Weed seeds	Treatment schedule
<i>Asphodelus fistulosus</i> , <i>Digitaria</i> spp., <i>Oryza</i> spp., <i>Paspalum scrobiculatum</i> , <i>Prosopis</i> spp., <i>Solanum viarum</i> , <i>Striga</i> spp., <i>Urochloa panicoides</i> .	DH T412-a.
<i>Cuscuta</i> spp. ....	DH T412-b-1 or VH T412-b-2.

(r) *Ships, containers, and surrounding area*. The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation.

Product	Pest	Treatment schedule
Asphalt surfaces and asphalt-base painted surfaces.	<i>Trogoderma granarium</i> .....	T402-b-3-2: Prepare 3 percent spray by adding 1 pound of 25 percent malathion wettable powder to each gallon of water. Spray at 2 gal/1000 ft <sup>2</sup> or to the point of runoff.
Piers and barges .....	<i>Globodera rostochiensis</i> .....	T406-c, steam cleaning: Steam at high pressure until all soil is removed. Treated surfaces must be thoroughly wet and heated.
Metal and wood surfaces such as decks, bulkheads, piers, and other areas not subject to fumigations.	<i>Trogoderma granarium</i> .....	T402-b-3-1: Prepare 3 percent spray by mixing ½ pint emulsifiable concentrate (57 percent premium grade malathion) per gallon of water. Spray at 2 gal/1000 ft <sup>2</sup> or to the point of runoff.
Ship holds and any nonplant cargo material within holds.	Quarantine significant snails of the family Achatinidea, including the following genera: <i>Achatina</i> , <i>Archachatina</i> , <i>Lignus</i> , <i>Limicolaria</i> .	MB T402-a-1.
Ship holds and any nonplant cargo material within holds.	Quarantine significant snails of the family Hygromiidae, including the following genera: <i>Canidula</i> , <i>Cernuella</i> , <i>Cochlicella</i> , <i>Helicella</i> , <i>Helicopsis</i> , <i>Monacha</i> , <i>Platytheba</i> , <i>Pseudotrachia</i> , <i>Trochoidea</i> , <i>Xerolenta</i> , <i>Xeropicta</i> , <i>Xerosecta</i> , <i>Xerotricha</i> .	MB T402-a-2.
Ship holds and any nonplant cargo material within holds.	Quarantine significant snails of the families Helicidae and Succineidae, including the following genera: <i>Caracollina</i> , <i>Cepaea</i> , <i>Cryptomphalus</i> , <i>Helix</i> , <i>Omalonyx</i> , <i>Otala</i> , <i>Succinea</i> , <i>Theba</i> .	MB T402-a-3.
Ship holds and storerooms with loosely packed material.	<i>Trogoderma granarium</i> .....	MB T402-b-1.
Ship holds and storerooms with tightly packed material.	<i>Trogoderma granarium</i> .....	MB T402-b-2.

(s) *Skins (goatskins, lambskins, and sheepskins)*. The treatment schedules for which administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation.

Pest	Treatment schedule
<i>Trogoderma granarium</i> .....	MB T416–a–1 or MB T416–a–2 or MB T416–a–3.

(t) *Soil.* The treatment schedules for which numbers are specified and administration instructions are not provided are in §305.6 for methyl bromide (MB) fumigation, §305.23 for steam sterilization (SS), and §305.25 for dry heat (DH).

Product	Pest	Treatment
Herbarium specimens of mosses and liverworts in soil and originating in golden nematode free countries.	Precautionary .....	MB T408–e–1.
Herbarium specimens of mosses and liverworts in soil and originating in golden nematode free countries.	<i>Globodera rostochiensis</i> .....	MB T408–e–2.
Soil .....	Potato cyst nematode .....	MB T502–3.
Soil .....	Various pests and pathogens found in soil (including <i>Striga</i> ).	DH T408–a.
	Various pests and pathogens found in soil.	SS T408–b.
Soil (friable and moist, but not wet and not more than 12 inches in depth).	<i>Globodera rostochiensis</i> .....	MB T408–c–2.
Soil .....	Insects .....	T408–d–1: Screening through 16 mesh screens will remove most larvae and pupae, except smaller types; or T408–d–2: Freezing—0 °F for 5 days.
Soil (friable and moist, but not wet and not more than 12 inches in depth) in containers with dimensions that do not exceed 24 inches.	<i>Globodera rostochiensis</i> .....	MB T408–c–1.
Soil on equipment .....	Various pests and pathogens found in soil.	T408–b–1 (steam cleaning): Steam at high pressure until all soil is removed. Treated surfaces must be thoroughly wet and heated.
Soil contaminated equipment (precautionary treatment).	Soil fungi, nematodes, and certain soil insects.	T408–f, steam cleaning: Steam at high pressure until all soil is removed. Treated surfaces must be thoroughly wet and heated.
Soil contaminated non-food or non-feed commodities (soil must be friable and or moist, but not wet, and must not exceed 12 inches in dimension).	<i>Striga</i> .....	MB T408–g–1 or MB T408–g–2.

(u) *Sugarcane.*

Product	Pest	Treatment schedule
<i>Saccharum</i> (seed pieces) .....	<i>Xanthomonas albilineans</i> and <i>X. vasculorum</i> .	T514–1: Presoak in water at room temperature for 24 hours. Then immerse in water at 122 °F for 3 hours.
<i>Saccharum</i> (true seed fuzz) .....		T514–2: Immerse in 0.525 percent sodium hypochlorite solution for 30 minutes followed by at least 8 hours air drying before packaging (Dilute 1 part Clorox or similar solution containing 5.25 percent sodium hypochlorite; if using ultra strength chlorine bleach, use only ¾ as much bleach).
<i>Saccharum</i> (bagasse) .....		T514–3: Dry heat treatment for 2 hours at 158 °F.
Sugarcane (baled) .....	Various sugarcane-related diseases .....	T515–1: Introduce live steam into 25" vacuum until pressure reaches 15 to 20 pounds. Hold until center of bale is 220–230 °F and maintain for 30 minutes.
Sugarcane (loose) .....		T515–2–1: Introduce steam into 25" vacuum (or if with initial vacuum, "bleed" air until steam vapor fills chamber).

Product	Pest	Treatment schedule
		T515-2-3: Dry heat at 212 °F for 1 hour. T515-2-4: Remove the pulp in water at 190-205 °F, followed by drying at 212 °F for 1 hour. T515-2-5: Flash heated to 1,000 °F (Arnold dryer).

(v) *Wood articles including containers, oak logs and lumber, Christmas trees.* are in §305.6 for methyl bromide (MB) fumigation, §305.8 for sulfuryl fluoride (SF), and §305.28 for kiln sterilization (KS). The treatment schedules for which administration instructions are not provided

Material	Pest	Treatment schedule
Cut conifer Christmas trees .....	<i>Lymantria dispar</i> egg masses .....	MB T313-a.
Cut pine Christmas trees and pine logs ..	<i>Tomicus piniperda</i> .....	MB T313-b.
Wood surfaces (can be combined with other surfaces such as metal or concrete).	.....	SF T404-c-2.
Wood surfaces (can be combined with other surfaces such as metal or concrete).	Borers (wood wasps, cerambycids, and <i>Dinoderus</i> ).	T404-b-5-1: (1) The spray must be applied by or under the supervision of pest control operators or other trained personnel responsible for insect control programs; (2) prepare the spray by thoroughly mixing 79 ml (2⅔ fluid ounces) of Dursban 4E with water for a total of 1 gallon of mixture (equivalent to 2.1 gallons in 100 gallons of water); and (3) apply as a 1 percent chlorpyrifos spray with suitable hand- or power-operated ground spray equipment to the point of runoff.
Oak logs .....	Oak wilt disease .....	MB T312-a.
Oak lumber .....	Oak wilt disease .....	MB T312-b.
Wood products including containers .....	Borers (wood wasps, cerambycids, and <i>Dinoderus</i> ).	MB T404-b-1-1 or MB T404-b-1-2 or SF T404-b-2 or KS T404-b-4.
	<i>Globodera rostochiensis</i> .....	MB T404-a.
	Termites .....	MB T404-c-1-1 or MB T404-c-1-2.
	Borers and <i>Trogoderma granarium</i> .....	MB T404-d.

[70 FR 33269, June 7, 2005, as amended at 70 FR 36332, June 23, 2005; 70 FR 72886, Dec. 8, 2005]

**§§ 305.3-305.4 [Reserved]**

**Subpart—Chemical Treatments**

**§ 305.5 Treatment requirements.**

(a) *Certified facility.* The fumigation treatment facility must be certified by APHIS. Facilities are required to be inspected and recertified annually, or as often as APHIS directs, depending upon treatments performed, commodities handled, and operations conducted at the facility. In order to be certified, a fumigation facility must:

(1) Be capable of administering the required dosage range for the required duration and at the appropriate temperature.

(2) Be adequate to contain the fumigant and be constructed from material that is not reactive to the fumigant.

(3) For vacuum fumigation facilities, be constructed to withstand required negative pressure.

(b) *Monitoring.* Treatment must be monitored by an official authorized by APHIS to ensure proper administration of the treatment, including that the correct amount of gas reaches the target organism and that an adequate number and placement of blowers, fans, sampling tubes, or monitoring lines are used in the treatment enclosure. An official authorized by APHIS approves, adjusts, or rejects the treatment.

(c) *Treatment procedures.* (1) To kill the pest, all chemical applications must be administered in accordance with an Environmental Protection Agency (EPA) approved pesticide label