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Animal and Plant Diseases and Pests of Concern

Last Modified:

Section 12203(b) of the 2018 Farm Bill required APHIS to develop a list of pests and diseases that pose the most significant threat to U.S. agriculture. This section of the Farm Bill codifies many activities that APHIS already performs, including the development and exercising of emergency response plans.

Based on our years of experience and the latest science, we named 59 pests and diseases that warrant efforts at prevention, protection, mitigation, response, and recovery. The presence or absence of a pest or disease on this list doesn't preclude APHIS from taking appropriate actions to protect plant or animal health. If a threat emerges that isn't on the list, APHIS will respond appropriately.

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Animal Diseases and Pests

Common Name	Scientific Name/Causative Agent
African swine fever	African swine fever virus
Classical swine fever	Classical swine fever virus

Common Name	Scientific Name/Causative Agent
Foot-and-mouth disease	Foot-and-mouth disease virus
Highly pathogenic avian influenza	Avian influenza virus
Low pathogenicity avian influenza (H5 and H7 subtypes)	Avian influenza virus
New World screwworm	<i>Cochliomyia hominivorax</i>
Rift Valley fever	Rift Valley fever virus
Virulent Newcastle disease	Newcastle disease virus

Plant Diseases and Pests

Common Name	Scientific Name/Causative Agent
Alder root and collar rot	<i>Phytophthora alni</i>
Almond witches' broom	<i>Candidatus Phytoplasma phoenicium</i> 16SrIX-B
Apple proliferation	<i>Candidatus Phytoplasma mali</i> 16SrX-A
Ash dieback	<i>Hymenoscyphus fraxineus</i>
Asiatic rice borer	<i>Chilo suppressalis</i>
Australian grapevine yellows	<i>Candidatus Phytoplasma australiense</i> 16SrXII-B
Bacterial blight	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i>
Bacterial leaf streak	<i>Xanthomonas oryzae</i> pv. <i>oryzicola</i>
Bacterial wilt	<i>Ralstonia solanacearum</i> race 3 biovar 2
Beech bleeding canker	<i>Phytophthora kernoviae</i>
Black maize beetle	<i>Heteronychus arator</i>
Bois noir; Stolbur	<i>Candidatus Phytoplasma solani</i> 16SrXII-A
Christmas berry webworm	<i>Cryptoblabes gnidiella</i>
Citrus longhorned beetle	<i>Anoplophora chinensis</i>
Coconut cadang-cadang	<i>Cocadviroid</i> Coconut cadang-cadang viroid
Cotton cutworm	<i>Spodoptera litura</i>
Cotton seed bug	<i>Oxycarenus hyalinipennis</i>
Cucumber green mottle mosaic	<i>Tobamovirus</i>

Common Name	Scientific Name/Causative Agent
Cucurbit beetle	<i>Diabrotica speciosa</i>
European stone fruit yellows	<i>Candidatus Phytoplasma prunorum</i> 16SrX-F
False codling moth	<i>Thaumatotibia leucotreta</i>
Flavescence dorée	<i>Candidatus Phytoplasma vitis</i> 16SrV-C
Groundnut bud necrosis	<i>Orthotospovirus</i>
Guatemalan potato moth	<i>Tecia solanivora</i>
Japanese oak wilt	<i>Raffaelea quercivora</i>
Japanese wax scale	<i>Ceroplastes japonicus</i>
Java downy mildew	<i>Peronosclerospora maydis</i>
Khapra beetle	<i>Trogoderma granarium</i>
Late wilt of corn	<i>Magnaporthiopsis maydis</i>
Masson pine moth	<i>Dendrolimus punctatus</i>
No common name, an ambrosia beetle	<i>Megaplatypus mutatus</i>
Oak ambrosia beetle	<i>Platypus quercivorus</i>
Oak processionary moth	<i>Thaumetopoea processionea</i>
Oak splendour beetle	<i>Agrilus biguttatus</i>
Old world bollworm	<i>Helicoverpa armigera</i>
Palm lethal yellowing	<i>Candidatus Phytoplasma palmae</i> 16Sr-IV
Philippine downy mildew	<i>Peronosclerospora philippinensis</i>
Pine processionary moth	<i>Thaumetopoea pityocampa</i>
Pine-tree lappet	<i>Dendrolimus pini</i>
Potato wart	<i>Synchytrium endobioticum</i>
Red ring nematode	<i>Bursaphelenchus cocophilus</i>
Rotbrenner	<i>Pseudopezicula tracheiphila</i>
Scots pine blister rust	<i>Cronartium flaccidum</i>
Siberian silk moth	<i>Dendrolimus sibiricus</i>
Silver Y moth	<i>Autographa gamma</i>
Small brown planthopper	<i>Laodelphax striatellus</i>
South American palm borer	<i>Paysandisia archon</i>
Sunn pest	<i>Eurygaster integriceps</i>
Tomato fruit borer	<i>Neoleucinodes elegantalis</i>

Common Name	Scientific Name/Causative Agent
Tomato leafminer	<i>Tuta absoluta</i>
Wheat seed gall nematode	<i>Anguina tritici</i>

Updating the List

Do you have feedback on the contents of this list? APHIS is seeking and reviewing comments on a rolling basis. If suggesting additions or changes, we ask that you provide references/documentation on how the pest/disease meets the definition of "likely to pose a significant risk to the food and agriculture critical infrastructure." We intend to review this list of pests and diseases on an annual basis and update it as needed.

Send your suggestions to APHIS PestDiseaseList@usda.gov.

Other Pest and Disease Lists Maintained by APHIS

The list of Animal and Plant Pests and Diseases of Concern differs from the following lists:

- [**Veterinary Services High-Consequence List of Diseases**](#) - Veterinary Services maintains a list of foreign animal diseases and pests based on risk and consequences of introduction into the United States. This list is used to guide APHIS preparedness and response activities.
- [**National List of Reportable Animal Diseases \(NLRAD\)**](#) - The NLRAD list of diseases, agreed upon by State and Federal partners, ensures standardized reporting and information sharing for various animal diseases. The diseases are divided into two categories: notifiable diseases and conditions and monitored diseases.
- [**National Priority Pest List**](#) - The National Priority Pest List presents the national priorities for pest detection surveys conducted under the Cooperative Agricultural Survey Program. The Animal and Plant Pests and Diseases of Concern list is a subset of the National Priority Pest List.
- [**U.S. Regulated Plant Pest List**](#) - This list includes those pests that Plant Protection and Quarantine regulates under the authority of the Plant Protection Act.

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