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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 developing and exercising emergency response plans.

APHIS used its experience and the latest science to identify **59 pests and diseases** that present the greatest risk to U.S. agriculture. This list helps inform our work in prevention, protection, mitigation, response, and recovery.

Whether a pest or disease appears on this list does **not** limit APHIS' actions. If a new threat emerges—even one not included here—APHIS will take appropriate actions to protect U.S. plant and animal health.

List of Animal and Plant Diseases and Pests of Concern

Animal Diseases and Pests

Common Name	Scientific Name/Causative Agent
African swine fever	African swine fever virus
Classical swine fever	Classical swine fever virus
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	*Cochliomyia hominivorax*
Rift Valley fever	Rift Valley fever virus
Virulent Newcastle disease	Newcastle disease virus

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Plant Diseases and Pests

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

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

Common Name	Scientific Name/Causative Agent
Sunn pest	*Eurygaster integriceps*
Tomato fruit borer	*Neoleucinodes elegantalis*
Tomato leafminer	*Tuta absoluta*
Wheat seed gall nematode	*Anguina tritici*

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Updating the List

APHIS reviews this list annually and updates it as needed. We welcome your feedback at any time.

Email us at aphispestdiseaselist@usda.gov. If suggesting additions or changes, please provide references or documentation on how the pest or disease meets the definition of “likely to pose a significant risk to the food and agriculture critical infrastructure.”
Submit Suggestions

Other Pest and Disease Lists Maintained by APHIS

The List of Animal and Plant Diseases and Pests 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

The National List of Reportable Animal Diseases (NLRAD), 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 Pest Survey program. The Animal and Plant Diseases and Pests 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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