

Priority Pest List for 2018

Commodity and Taxonomic Surveys

Surveys available through the Farm Bill have been added to this document. Click on the name of the survey manual to go directly to that pest list. Changes to the pests lists for 2018 are documented in the Summary of Pest List Changes.

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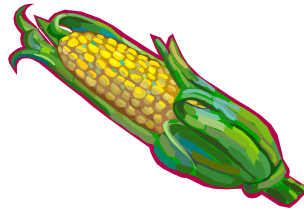
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Surveys Available through CAPS

Corn



Scientific Name	Common Name	Eco. & Environ.*
<i>Autographa gamma</i>	Silver Y moth	No
<i>Chilo partellus</i>	Spotted stem borer	No
<i>Diabrotica speciosa</i>	Cucurbit beetle	Yes
<i>Harpophora maydis</i>	Late wilt of corn	Yes
<i>Helicoverpa armigera</i>	Old world bollworm	Yes
<i>Heteronychus arator</i>	Black maize beetle	No
<i>Laodelphax striatellus</i>	Small brown planthopper	Yes
<i>Peronosclerospora maydis</i>	Java downy mildew	No
<i>Peronosclerospora philippinensis</i>	Philippine downy mildew	No
<i>Punctodera chalconensis</i>	Mexican corn cyst nematode	No
<i>Sclerophthora rayssiae</i> var. <i>zeae</i>	Brown stripe downy mildew	No
<i>Spodoptera littoralis</i>	Egyptian cottonworm	No
<i>Spodoptera litura</i>	Cotton cutworm	Yes
<i>Thaumatotibia leucotreta</i>	False codling moth	Yes

*Eco. & Environ. denotes that the pest is on the 2018 Pests of Economic and Environmental Importance Prioritized Pest List.

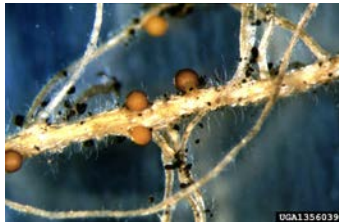
Cotton



Scientific Name	Common Name	Eco. & Environ.*
<i>Anthonomus grandis</i>	Boll weevil	No
<i>Autographa gamma</i>	Silver Y moth	No
<i>Eutetranychus orientalis</i>	Citrus brown mite	No
<i>Helicoverpa armigera</i>	Old World bollworm	Yes
<i>Oxycarenus hyalinipennis</i>	Cotton seed bug	Yes
<i>Pectinophora gossypiella</i>	Pink bollworm	No
<i>Spodoptera littoralis</i>	Egyptian cottonworm	No
<i>Spodoptera litura</i>	Cotton cutworm	Yes
<i>Thaumatotibia leucotreta</i>	False codling moth	Yes

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Cyst Nematode



(Photo by Jonathan D. Eisenback,
Virginia Polytechnic Institute and State

Scientific Name	Common Name	Eco. & Environ.*
<i>Globodera pallida</i>	Pale cyst nematode	No
<i>Globodera rostochiensis</i>	Golden nematode	No
<i>Heterodera cajani</i>	Pigeonpea cyst nematode	No
<i>Heterodera ciceri</i>	Chickpea cyst nematode	No
<i>Heterodera latipons</i>	Mediterranean cereal cyst nematode	No
<i>Heterodera sacchari</i>	Sugar cane cyst nematode	No
<i>Punctodera chalconensis</i>	Mexican corn cyst nematode	No

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Exotic Wood Borer/ Bark Beetle



(Photo by Maja Jurc, University of Ljubljana, Bugwood.org)

Scientific Name	Common Name	Eco. & Environ.*
<i>Agrilus auroguttatus</i>	Goldspotted oak borer	No
<i>Agrilus biguttatus</i>	Oak splendour beetle	Yes
<i>Agrilus planipennis</i>	Emerald ash borer	No
<i>Anoplophora chinensis</i>	Citrus longhorned beetle	No
<i>Anoplophora glabripennis</i>	Asian longhorned beetle	No
<i>Callidiellum villosulum</i>	Brown fir longhorned beetle	No
<i>Chlorophorus annularis</i>	Bamboo borer	No
<i>Chlorophorus strobilicola</i>	Slender-banded pine cone longhorn beetle	No
<i>Dendroctonus micans</i>	European spruce beetle	No
<i>Hylobius abeitus</i>	Large pine weevil	No
<i>Ips sexdentatus</i>	Six-toothed bark beetle	No
<i>Ips typographus</i>	European spruce bark beetle	No
<i>Megaplatypus mutatus</i>	No common name, an ambrosia beetle	Yes
<i>Monochamus alternatus</i>	Japanese pine sawyer	No
<i>Monochamus urussovii</i>	Black fir sawyer	No
<i>Orthotomicus erosus</i>	Mediterranean pine engraver	No
<i>Pityogenes chalcographus</i>	Six-toothed spruce bark beetle	No
<i>Platypus quercivorus</i>	Oak ambrosia beetle	Yes
<i>Tetropium castaneum</i>	Black spruce beetle	No
<i>Tetropium fuscum</i>	Brown spruce longhorned beetle	No
<i>Tomicus destruens</i>	Mediterranean pine shoot beetle	Yes
<i>Trichoferus campestris</i>	Velvet longhorned beetle	No
<i>Trypodendron domesticum</i>	European hardwood ambrosia beetle	No

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Mollusk



Scientific Name	Common Name	Eco. & Environ.*
<i>Belocaulus</i> spp.	No common name, leatherleaf slugs	Yes**
<i>Cernuella</i> spp.	No common name, hygromiid snails	No
<i>Cochlicella</i> spp.	No common name, cochlicellid snails	No
<i>Colosius</i> spp.	No common name, leatherleaf slugs	Yes**
<i>Laevicaulis</i> spp.	No common name, leatherleaf slugs	Yes**
<i>Lissachatina fulica</i>	Giant African snail	Yes**
<i>Meghimatium pictum</i>	Chinese slug	Yes**
<i>Monacha</i> spp.	No common name, hygromiid snails	Yes**
<i>Sarasinula</i> spp.	No common name, leatherleaf slugs	Yes**
<i>Semperula</i> spp.	No common name, leatherleaf slugs	Yes**
<i>Veronicella</i> spp.	No common name, leatherleaf slugs	Yes**

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**For 2018, mollusks have not been analyzed using the Objective Prioritization of Exotic Pests model. The mollusks on the 2018 Pests of Economic and Environmental Importance Prioritized Pest List were analyzed previously by the Analytic Hierarchy Process model.

Oak



Scientific Name	Common Name	Eco. & Environ.*
<i>Agilus auroguttatus</i>	Goldspotted oak borer	No
<i>Agilus biguttatus</i>	Oak splendour beetle	Yes
<i>Archips xylosteanus</i>	Variiegated golden tortrix	No
<i>Lymantria dispar asiatica</i>	Asian gypsy moth	No
<i>Lymantria mathura</i>	Rosy moth	No
<i>Phytophthora quercina</i>	Oak decline	No
<i>Platypus quercivorus</i>	Oak ambrosia beetle	Yes
<i>Raffaelea quercivora</i>	Japanese oak wilt	Yes
<i>Thaumatotibia leucotreta</i>	False codling moth	Yes
<i>Thaumetopoea processionea</i>	Oak processionary moth	Yes
<i>Tortrix viridana</i>	Green oak tortrix	No

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Pine



Scientific Name	Common Name	Eco. & Environ.*
<i>Cronartium flaccidum</i>	Scots pine blister rust	Yes
<i>Dendroctonus micans</i>	European spruce beetle	No
<i>Dendrolimus pini</i>	Pine-tree lappet	Yes
<i>Dendrolimus punctatus</i>	Masson pine moth	Yes
<i>Dendrolimus sibiricus</i>	Siberian silk moth	Yes
<i>Diprion pini</i>	Pine sawfly	No
<i>Hylobius abietis</i>	Large pine weevil	No
<i>Ips sexdentatus</i>	Six-toothed bark beetle	No
<i>Lymantria mathura</i>	Rosy moth	No
<i>Monochamus alternatus</i>	Japanese pine sawyer	No
<i>Monochamus urussovii</i>	Black fir sawyer	No
<i>Orthotomicus erosus</i>	Mediterranean pine engraver	No
<i>Panolis flammea</i>	Pine beauty moth	No
<i>Tetropium castaneum</i>	Black spruce beetle	No
<i>Tetropium fuscum</i>	Brown spruce longhorned beetle	No
<i>Thaumetopoea pityocampa</i>	Pine processionary moth	Yes
<i>Tomicus destruens</i>	Mediterranean pine shoot beetle	Yes

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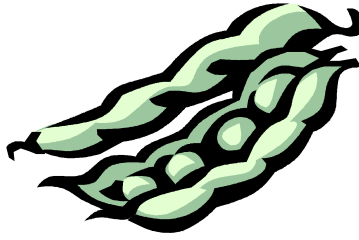
Small Grains



Scientific Name	Common Name	Eco. & Environ.*
<i>Anguina tritici</i>	Wheat seed gall nematode	Yes
<i>Autographa gamma</i>	Silver Y moth	No
<i>Ceriuella virgata</i>	Maritime garden snail	No
<i>Cochlicella</i> spp.	No common name, cochlicellid snails	No
<i>Diabrotica speciosa</i>	Cucurbit beetle	Yes
<i>Eurygaster integriceps</i>	Sunn pest	Yes
<i>Helicoverpa armigera</i>	Old world bollworm	Yes
<i>Heterodera latipons</i>	Mediterranean cereal cyst nematode	No
<i>Laodelphax striatellus</i>	Small brown planthopper	Yes
<i>Meloidogyne artiellia</i>	British root-knot nematode	No
<i>Spodoptera littoralis</i>	Egyptian cottonworm	No

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Soybean



Scientific Name	Common Name	Eco. & Environ.*
<i>Alectra vogelii</i>	Yellow witchweed	No
<i>Autographa gamma</i>	Silver Y moth	No
<i>Ceruella virgata</i>	Maritime garden snail	No
<i>Chrysodeixis chalcites</i>	Golden twin spot moth	No
<i>Crociosema aporema</i>	Bud borer	No
<i>Diabrotica speciosa</i>	Cucurbit beetle	Yes
<i>Eutetranychus orientalis</i>	Citrus brown mite	No
<i>Helicoverpa armigera</i>	Old world bollworm	Yes
<i>Spodoptera littoralis</i>	Egyptian cottonworm	No

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Tropical Hosts



Scientific Name	Common Name	Eco. & Environ.*
<i>Ceratocystis manginecans</i>	Mango sudden decline	No
<i>Conogethes punctiferalis</i>	Castor capsule borer	No
<i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4	Panama disease TR 4	No
<i>Gymnandrosoma auratianum</i>	Citrus fruit borer	No
<i>Hemileia vastatrix</i>	Coffee leaf rust	No
<i>Neofusicoccum mangiferae</i>	Mango fruit rot	No
<i>Paratachardina pseudolobata</i>	Lobate lac scale	No
<i>Stenoma catenifer</i>	Avocado seed moth	No

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Surveys Available through Farm Bill

Asian Defoliator



(Photo by David Mohn, Critters Page (Creatures Great and Small), Bugwood.org).

Scientific Name	Common Name	Eco. & Environ.*
<i>Dendrolimus pini</i>	Pine-tree lappet	Yes
<i>Dendrolimus punctatus</i>	Masson pine moth	Yes
<i>Dendrolimus sibiricus</i>	Siberian silk moth	Yes
<i>Lymantria albescens</i>	Okinawa gypsy moth	No
<i>Lymantria dispar asiatica</i>	Asian gypsy moth	No
<i>Lymantria dispar japonica</i>	Japanese gypsy moth	No
<i>Lymantria mathura</i>	Rosy moth	No
<i>Lymantria monacha</i>	Nun moth	No
<i>Lymantria postalba</i>	White-winged gypsy moth	No
<i>Lymantria umbrosa</i>	Hokkaido gypsy moth	No
<i>Lymantria xyliina</i>	Casuarina tussock moth	No

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Grape



Scientific Name	Common Name	Eco. & Environ.*
<i>Autographa gamma</i>	Silver Y moth	No
'Candidatus Phytoplasma australiense' 16SrXII-B	Australian grapevine yellows	Yes
'Candidatus Phytoplasma solani' 16SrXII-A	Bois noir/stolbur	Yes
'Candidatus Phytoplasma vitis' 16SrV-C	Flavescence dorée	Yes
<i>Cryptoblabes gnidiella</i>	Christmas berry webworm	Yes
<i>Epiphyas postvittana</i>	Light brown apple moth	No
<i>Eupoecilia ambiguella</i>	European grape berry moth	No
<i>Heteronychus arator</i>	Black maize beetle	No
<i>Lobesia botrana</i>	European grapevine moth	No
<i>Lycorma delicatula</i>	Spotted lanternfly	No
<i>Pseudopezicula tracheiphila</i>	Rotbrenner	Yes
<i>Spodoptera littoralis</i>	Egyptian cottonworm	No
<i>Spodoptera litura</i>	Cotton cutworm	Yes
<i>Thaumatotibia leucotreta</i>	False codling moth	Yes

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Palm



Scientific Name	Common Name	Eco. & Environ.*
<i>Aspidiotus rigidus</i>	False coconut scale	No
<i>Bursaphelenchus cocophilus</i>	Red ring nematode	No
'Candidatus Phytoplasma palmae' 16SrIV	Palm lethal yellowing	No
<i>Cocadviroid Coconut cadang cadang viroid</i>	Coconut cadang-cadang (CCCVd)	No
<i>Darna pallivitta</i>	Nettle caterpillar	No
<i>Haplaxius crudus</i>	American palm cixiid	No
<i>Oryctes rhinoceros</i>	Coconut rhinoceros beetle	No
<i>Paysandisia archon</i>	South American palm borer	Yes
<i>Raoiella indica</i>	Red palm mite	No
<i>Rhabdoscelus obscurus</i>	New Guinea sugarcane weevil	No
<i>Rhynchophorus ferrugineus</i>	Red palm weevil	No
<i>Rhynchophorus palmarum</i>	South American palm weevil	No

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Solanaceous Hosts



Scientific Name	Common Name	Eco. & Environ.*
<i>Autographa gamma</i>	Silver-Y moth	No
'Candidatus Phytoplasma australiense' 16SrXII-B	Australian grapevine yellows	Yes
<i>Chrysodeixis chalcites</i>	Golden twin spot moth	No
<i>Globodera pallida</i>	Pale cyst nematode	No
<i>Globodera rostochiensis</i>	Golden nematode	No
<i>Helicoverpa armigera</i>	Old world bollworm	Yes
<i>Meloidogyne fallax</i>	False Columbia root-knot nematode	No
<i>Meloidogyne minor</i>	Root-knot nematode	No
<i>Neoleucinodes elegantalis</i>	Tomato fruit borer	Yes
<i>Ralstonia solanacearum</i> race 3 biovar 2	Bacterial wilt	Yes
<i>Spodoptera littoralis</i>	Egyptian cottonworm	No
<i>Spodoptera litura</i>	Cotton cutworm	Yes
<i>Synchytrium endobioticum</i>	Potato wart	No
<i>Tecia solanivora</i>	Guatemalan potato moth	Yes
<i>Thaumatotibia leucotreta</i>	False codling moth	Yes
<i>Tospovirus Groundnut bud necrosis virus</i>	Groundnut bud necrosis (GBNV)	Yes
<i>Tuta absoluta</i>	Tomato leafminer	Yes

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Stone Fruit



Scientific Name	Common Name	Eco. & Environ.*
<i>Adoxophyes orana</i>	Summer fruit tortrix moth	No
<i>Argyresthia pruniella</i>	Cherry blossom moth	No
<i>Bactrocera zonata</i>	Peach fruit fly	No
'Candidatus Phytoplasma phoenicium' 16SrIX-B	Almond witches' broom	Yes
'Candidatus Phytoplasma prunorum' 16SrX-F	European stone fruit yellows	No
<i>Enarmonia formosana</i>	Cherry bark tortrix	No
<i>Epiphyas postvittana</i>	Light brown apple moth	No
<i>Grapholita funebrana</i>	Plum fruit moth	No
<i>Leucoptera malifoliella</i>	Pear leaf blister moth	No
<i>Lobesia botrana</i>	European grapevine moth	No
<i>Monilia polystroma</i>	Asiatic brown rot	No
<i>Monilinia fructigena</i>	Brown rot, Apple brown rot	No
<i>Potyvirus Plum pox virus</i>	Plum pox (PPV)	No
<i>Rhagoletis cerasi</i>	European cherry fruit fly	No
<i>Thaumatotibia leucotreta</i>	False codling moth	Yes

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