

Analytic Hierarchy Process (AHP) Prioritized Pest List

FY 2015

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|-----------------------------------|---|
| Overview | <p>The Analytic Hierarchy Process (AHP) Prioritized Pest List for 2015 is a ranked list of pests that are expected to cause damage to agricultural and/or natural resources if introduced into the United States. The prioritized pest list includes arthropods, mollusks, pathogens, nematodes, and weeds.</p> <p>Subject matter experts in biology and economics evaluated each pest against a weighted set of criteria addressing <i>environmental impact</i> and <i>economic impact</i>. By combining the extent to which a pest fulfilled the set of criteria (determined by subject matter experts) with the criteria weights (determined by decision makers representing the CAPS community), each pest received a score. The result is the prioritized pest list shown on the worksheets <i>AHP PPL Rank by Taxon</i> and <i>AHP PPL by Rank</i>. The list for 2015 is the same list delivered in 2014 with two changes: the deletion of <i>Eudocima fullonia</i> and <i>Monochamus urossovii</i>. Survey methods are not available for these pests and they have been moved to a research list. A new list is delivered every two years.</p> |
| Pest List Constraints | <p>To be included in the AHP Prioritized Pest List, a pest:</p> <ul style="list-style-type: none">- Cannot be established in the conterminous United States (even if the distribution is limited)- Cannot be considered non-reportable by PPQ- Cannot be a program pest with funding for national survey |
| Contributors | <p>AHP Core Team: <i>Lisa Jackson, Talitha Molet, Melinda Sullivan</i></p> <p>Subject Matter Economics: <i>Lottie Erikson, Lynn Garrett, Alison Neeley, and Trang Vo;</i> Experts: Biology: <i>Gary Cave, Carol Hicks, Lisa Jackson, Talitha Molet, Ashanti Robertson, and Melinda Sullivan</i></p> |
| For Additional Information | <p>Contact <i>Lisa Jackson (Lisa.D.Jackson@aphis.usda.gov; 919-855-7549)</i> or <i>Melinda Sullivan (Melinda.J.Sullivan@aphis.usda.gov; 970-490-4469)</i></p> |

| Rank | Scientific Name | Common Name | Kingdom | Phylum | Class | Order | Family |
|------|---|--|-----------|----------------|--------------------|-------------------|--------------------|
| 1 | <i>Agrilus biguttatus</i> | Oak Splendor Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Buprestidae |
| 1 | <i>Platypus quercivorus</i> | Oak Ambrosia Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Platypodidae |
| 2 | <i>Cronartium flaccidum</i> | Scots Pine Blister Rust | Fungi | Basidiomycota | Urediniomycetes | Uredinales | Cronartiaceae |
| 3 | <i>Helicoverpa armigera</i> | Old World Bollworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 4 | <i>Tremex fuscicornis</i> | Tremex Wood Wasp | Animalia | Arthropoda | Insecta | Hymenoptera | Siricidae |
| 5 | <i>Thaumetopoea processionea</i> | Oak Processionary Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Notodontidae |
| 6 | <i>Tomicus destruens</i> | Pine Shoot Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Scolytidae |
| 7 | <i>Dendrolimus sibiricus</i> | Siberian Silk Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 8 | <i>Spodoptera litura</i> | Cotton Cutworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 9 | <i>Otiorynchus dieckmanni</i> | Wingless Weevil | Animalia | Arthropoda | Insecta | Coleoptera | Curculionidae |
| 10 | <i>Ceroplastes japonicus</i> | Japanese Wax Scale | Animalia | Arthropoda | Insecta | Hemiptera | Coccidae |
| 11 | <i>Unaspis yanonensis</i> | Arrowhead Scale | Animalia | Arthropoda | Insecta | Hemiptera | Diaspididae |
| 12 | <i>Phytophthora alni</i> | Alder Root and Collar Rot | Chromista | Oomycota | Oomycetes | Pythiales | Pythiaceae |
| 13 | <i>Ralstonia solanacearum</i> race 3 biovar 2 | Bacterial Wilt; Southern Bacterial Wilt | Bacteria | Proteobacteria | Betaproteobacteria | Burkholderiales | Ralstoniaceae |
| 14 | <i>Lissachatina fulica</i> | Giant African Snail | Animalia | Mollusca | Gastropoda | Stylommatophora | Achatinidae |
| 15 | <i>Lymantria mathura</i> | Rosy Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lymantriidae |
| 16 | <i>Massicus raddei</i> | Mountain oak longhorned beetle | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
| 17 | <i>Ditylenchus angustus</i> | Rice Stem Nematode | Animalia | Nematoda | Secernentea | Tylenchida | Anguinidae |
| 18 | <i>Ceroplastes destructor</i> | Soft Wax Scale | Animalia | Arthropoda | Insecta | Hemiptera | Coccidae |
| 19 | <i>Chilo suppressalis</i> | Asiatic Rice Borer | Animalia | Arthropoda | Insecta | Lepidoptera | Pyralidae |
| 20 | <i>Neoleucinodes elegantalis</i> | Tomato Fruit Borer | Animalia | Arthropoda | Insecta | Lepidoptera | Crambidae |
| 21 | Veronicellidae (<i>Belocaulus</i> spp., <i>Colosius</i> spp., <i>Laevicaulis</i> spp., <i>Sarasinula</i> spp., <i>Semperula</i> spp., and <i>Veronicella</i> spp.) | No common name, leatherleaf slugs | Animalia | Mollusca | Gastropoda | Stylommatophora | Veronicellidae |
| 22 | <i>Dendrolimus pini</i> | Pine-Tree Lappet | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 23 | <i>Spodoptera littoralis</i> | Egyptian Cottonworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 24 | <i>Cryptoblabes gnidiella</i> | Honeydew Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Pyralidae |
| 25 | <i>Hymenoscyphus pseudoalbidus</i> (<i>Chalara fraxinea</i>) | Ash Dieback | Fungi | Ascomycota | Ascomycetes | Incertae sedis | Incertae sedis |
| 26 | <i>Monochamus sutor</i> | Small White-Marmorated Longhorned Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
| 27 | <i>Tuta absoluta</i> | Tomato Leaf Miner | Animalia | Arthropoda | Insecta | Lepidoptera | Gelechiidae |
| 28 | <i>Dendrolimus punctatus</i> | Masson pine moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 29 | <i>Meghimatium pictum</i> | Chinese Slug | Animalia | Mollusca | Gastropoda | Sigmurethra | Philomycidae |
| 30 | <i>Monilinia fructigena</i> | Brown Rot, Apple Brown Rot | Fungi | Ascomycota | Leotiomycetes | Helotiales | Sclerotiniaceae |
| 31 | <i>Nysius huttoni</i> | Wheat Bug | Animalia | Arthropoda | Insecta | Hemiptera | Lygaeidae |
| 32 | <i>Megaplatypus mutatus</i> | No common name, an ambrosia beetle | Animalia | Arthropoda | Insecta | Coleoptera | Platypodidae |
| 33 | <i>Pieris brassicae</i> | Large White Butterfly | Animalia | Arthropoda | Insecta | Lepidoptera | Pieridae |
| 34 | <i>Candidatus</i> Phytoplasma australiense 16SrXII-B | Australian Grapevine Yellow | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 35 | <i>Raffaelea quercivora</i> | Japanese Oak Wilt | Fungi | Ascomycota | Sordariomycetes | Ophiostomatales | Ophiostomataceae |
| 36 | <i>Candidatus</i> Phytoplasma pini 16SrXXI-A | Pine witches' broom | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 37 | <i>Candidatus</i> Phytoplasma vitis 16SrV-C | Flavescence Dorée | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 38 | <i>Monacha</i> spp. (<i>M. cantiana</i> , <i>M. syriaca</i>) | No common name, hygromiid snails | Animalia | Mollusca | Gastropoda | Stylommatophora | Hygromiidae |

AHP Prioritized Pest List for 2014 by Rank

Appendix D

| Rank | Scientific Name | Common Name | Kingdom | Phylum | Class | Order | Family |
|------|---|---|-----------|----------------|---------------------|-------------------|--------------------|
| 39 | <i>Oxycarenus hyalinipennis</i> | Cotton Seed Bug | Animalia | Arthropoda | Insecta | Hemiptera | Lygaeidae |
| 40 | <i>Thaumatotibia leucotreta</i> | False Codling Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Tortricidae |
| 41 | <i>Candidatus Phytoplasma mali</i> 16SrX-A | Apple Proliferation | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 42 | <i>Monochamus saltuarius</i> | Japanese Pine Sawyer | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
| 43 | <i>Tetranychus roseus</i> | No common name, a spider mite | Animalia | Arthropoda | Arachnida | Acari | Tetranychidae |
| 44 | <i>Trogoderma granarium</i> | Khapra Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Dermestidae |
| 45 | <i>Diprion pini</i> | Pine Sawfly | Animalia | Arthropoda | Insecta | Hymenoptera | Diprionidae |
| 46 | <i>Mycosphaerella gibsonii</i> | Needle Blight Of Pine | Fungi | Ascomycota | Ascomycetes | Mycosphaerellales | Mycosphaerellaceae |
| 47 | <i>Onopordum acaulon</i> | Horse Thistle | Plantae | Magnoliophyta | Magnoliopsida | Asterales | Asteraceae |
| 48 | <i>Phytophthora austrocedrae</i> | Mal Del Ciprés (Cypress Mortality) | Chromista | Oomycota | Oomycetes | Pythiales | Pythiaceae |
| 49 | <i>Paysandisia archon</i> | No common name, a palm borer | Animalia | Arthropoda | Insecta | Lepidoptera | Castniidae |
| 50 | <i>Monilia polystroma</i> | Asiatic Brown Rot | Fungi | Ascomycota | Leotiomycetes | Helotiales | Sclerotiniaceae |
| 51 | <i>Pseudopezicula tracheiphila</i> | Rotbrenner | Fungi | Ascomycota | Leotiomycetes | Helotiales | Helotiaceae |
| 51 | <i>Tecia solanivora</i> | Guatemalan Potato Tuber Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Gelechiidae |
| 52 | <i>Diabrotica speciosa</i> | Cucurbit Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Chrysomelidae |
| 52 | <i>Harpophora maydis</i> | Late Wilt Of Corn | Fungi | Ascomycota | Sordariomycetes | Phyllachorales | Magnaporthaceae |
| 52 | <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , <i>X. oryzae</i> pv. <i>oryzicola</i> | Bacterial Blight, Bacterial Leaf Streak | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | Xanthomonadaceae |

| Rank | Scientific Name | Common Name | Kingdom | Phylum | Class | Order | Family |
|------|--|--|-----------|----------------|--------------------|-------------------|--------------------|
| 1 | <i>Agrilus biguttatus</i> | Oak Splendor Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Buprestidae |
| 34 | <i>Candidatus Phytoplasma australiense</i> 16SrXII-B | Australian Grapevine Yellows | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 41 | <i>Candidatus Phytoplasma mali</i> 16SrX-A | Apple Proliferation | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 36 | <i>Candidatus Phytoplasma pini</i> 16SrXXI-A | Pine witches' broom | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 37 | <i>Candidatus Phytoplasma vitis</i> 16SrV-C | Flavescence Dorée | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 18 | <i>Ceroplastes destructor</i> | Soft Wax Scale | Animalia | Arthropoda | Insecta | Hemiptera | Coccidae |
| 10 | <i>Ceroplastes japonicus</i> | Japanese Wax Scale | Animalia | Arthropoda | Insecta | Hemiptera | Coccidae |
| 19 | <i>Chilo suppressalis</i> | Asiatic Rice Borer | Animalia | Arthropoda | Insecta | Lepidoptera | Pyralidae |
| 2 | <i>Cronartium flaccidum</i> | Scots Pine Blister Rust | Fungi | Basidiomycota | Urediniomycetes | Uredinales | Cronartiaceae |
| 24 | <i>Cryptoblabes gnidiella</i> | Honeydew Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Pyralidae |
| 22 | <i>Dendrolimus pini</i> | Pine-Tree Lappet | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 28 | <i>Dendrolimus punctatus</i> | Masson pine moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 7 | <i>Dendrolimus sibiricus</i> | Siberian Silk Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 52 | <i>Diabrotica speciosa</i> | Cucurbit Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Chrysomelidae |
| 45 | <i>Diprion pini</i> | Pine Sawfly | Animalia | Arthropoda | Insecta | Hymenoptera | Diprionidae |
| 17 | <i>Ditylenchus angustus</i> | Rice Stem Nematode | Animalia | Nematoda | Secernentea | Tylenchida | Anguinidae |
| 52 | <i>Harpophora maydis</i> | Late Wilt Of Corn | Fungi | Ascomycota | Sordariomycetes | Phyllachorales | Magnaporthaceae |
| 3 | <i>Helicoverpa armigera</i> | Old World Bollworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 25 | <i>Hymenoscyphus pseudoalbidus</i> (<i>Chalara fraxinea</i>) | Ash Dieback | Fungi | Ascomycota | Ascomycetes | Incertae sedis | Incertae sedis |
| 14 | <i>Lissachatina fruticosa</i> | Giant African Snail | Animalia | Mollusca | Gastropoda | Stylommatophora | Achatinidae |
| 15 | <i>Lymantria mathura</i> | Rosy Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lymantriidae |
| 16 | <i>Massicus raddei</i> | Mountain oak longhorned beetle | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
| 32 | <i>Megaplatypus mutatus</i> | No common name, an ambrosia beetle | Animalia | Arthropoda | Insecta | Coleoptera | Platypodidae |
| 29 | <i>Meghimatium pictum</i> | Chinese Slug | Animalia | Mollusca | Gastropoda | Sigmurethra | Philomycidae |
| 38 | <i>Monacha</i> spp. (<i>M. cantiana</i> , <i>M. syriaca</i>) | No common name, hygromiid snails | Animalia | Mollusca | Gastropoda | Stylommatophora | Hygromiidae |
| 50 | <i>Monilia polystroma</i> | Asiatic Brown Rot | Fungi | Ascomycota | Leotiomycetes | Helotiales | Sclerotiniaceae |
| 30 | <i>Monilinia fructigena</i> | Brown Rot, Apple Brown Rot | Fungi | Ascomycota | Leotiomycetes | Helotiales | Sclerotiniaceae |
| 42 | <i>Monochamus saltuarius</i> | Japanese Pine Sawyer | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
| 26 | <i>Monochamus sutor</i> | Small White-Marmorated Longhorned Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
| 46 | <i>Mycosphaerella gibsonii</i> | Needle Blight Of Pine | Fungi | Ascomycota | Ascomycetes | Mycosphaerellales | Mycosphaerellaceae |
| 20 | <i>Neoleucinodes elegantalis</i> | Tomato Fruit Borer | Animalia | Arthropoda | Insecta | Lepidoptera | Crambidae |
| 31 | <i>Nysius huttoni</i> | Wheat Bug | Animalia | Arthropoda | Insecta | Hemiptera | Lygaeidae |
| 47 | <i>Onopordum acaulon</i> | Horse Thistle | Plantae | Magnoliophyta | Magnoliopsida | Asterales | Asteraceae |
| 9 | <i>Otiorhynchus dieckmanni</i> | Wingless Weevil | Animalia | Arthropoda | Insecta | Coleoptera | Curculionidae |
| 39 | <i>Oxycaenus hyalinipennis</i> | Cotton Seed Bug | Animalia | Arthropoda | Insecta | Hemiptera | Lygaeidae |
| 49 | <i>Paysandisia archon</i> | No common name, a palm borer | Animalia | Arthropoda | Insecta | Lepidoptera | Castniidae |
| 12 | <i>Phytophthora alni</i> | Alder Root and Collar Rot | Chromista | Oomycota | Oomycetes | Pythiales | Pythiaceae |
| 48 | <i>Phytophthora austrocedrae</i> | Mal Del Ciprés (Cypress Mortality) | Chromista | Oomycota | Oomycetes | Pythiales | Pythiaceae |
| 33 | <i>Pieris brassicae</i> | Large White Butterfly | Animalia | Arthropoda | Insecta | Lepidoptera | Pieridae |
| 1 | <i>Platypus quercivorus</i> | Oak Ambrosia Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Platypodidae |
| 51 | <i>Pseudopezicula tracheiphila</i> | Rotbrenner | Fungi | Ascomycota | Leotiomycetes | Helotiales | Helotiaceae |
| 35 | <i>Raffaella quercivora</i> | Japanese Oak Wilt | Fungi | Ascomycota | Sordariomycetes | Ophiostomatales | Ophiostomataceae |
| 13 | <i>Ralstonia solanacearum</i> race 3 biovar 2 | Bacterial Wilt; Southern Bacterial Wilt | Bacteria | Proteobacteria | Betaproteobacteria | Burkholderiales | Ralstoniaceae |

| Rank | Scientific Name | Common Name | Kingdom | Phylum | Class | Order | Family |
|------|---|---|----------|----------------|---------------------|-----------------|------------------|
| 23 | <i>Spodoptera littoralis</i> | Egyptian Cottonworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 8 | <i>Spodoptera litura</i> | Cotton Cutworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 51 | <i>Tecia solanivora</i> | Guatemalan Potato Tuber Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Gelechiidae |
| 43 | <i>Tetranychus roseus</i> | No common name, a spider mite | Animalia | Arthropoda | Arachnida | Acari | Tetranychidae |
| 40 | <i>Thaumatotibia leucotreta</i> | False Codling Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Tortricidae |
| 5 | <i>Thaumetopoea processionea</i> | Oak Processionary Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Notodontidae |
| 6 | <i>Tomicus destruens</i> | Pine Shoot Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Scolytidae |
| 4 | <i>Tremex fuscicornis</i> | Tremex Wood Wasp | Animalia | Arthropoda | Insecta | Hymenoptera | Siricidae |
| 44 | <i>Trogoderma granarium</i> | Khapra Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Dermestidae |
| 27 | <i>Tuta absoluta</i> | Tomato Leaf Miner | Animalia | Arthropoda | Insecta | Lepidoptera | Gelechiidae |
| 11 | <i>Unaspis yanonensis</i> | Arrowhead Scale | Animalia | Arthropoda | Insecta | Hemiptera | Diaspididae |
| 21 | Veronicellidae (<i>Belocaulus</i> spp., <i>Colosius</i> spp., <i>Laevicaulis</i> spp., <i>Sarasinula</i> spp., <i>Semperula</i> spp., and <i>Veronicella</i> spp.) | No common name, leatherleaf slugs | Animalia | Mollusca | Gastropoda | Stylommatophora | Veronicelladae |
| 52 | <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , <i>X. oryzae</i> pv. <i>oryzicola</i> | Bacterial Blight, Bacterial Leaf Streak | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | Xanthomonadaceae |

| Rank | Scientific Name | Common Name | Kingdom | Phylum | Class | Order | Family |
|---------------------------------|---|--|----------|-------------|------------|-------------------|--------------------|
| Insecta/Acari | | | | | | | |
| 1 | <i>Agrilus biguttatus</i> | Oak Splendor Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Buprestidae |
| 18 | <i>Ceroplastes destructor</i> | Soft Wax Scale | Animalia | Arthropoda | Insecta | Hemiptera | Coccidae |
| 10 | <i>Ceroplastes japonicus</i> | Japanese Wax Scale | Animalia | Arthropoda | Insecta | Hemiptera | Coccidae |
| 19 | <i>Chilo suppressalis</i> | Asiatic Rice Borer | Animalia | Arthropoda | Insecta | Lepidoptera | Pyralidae |
| 24 | <i>Cryptoblabes gnidiella</i> | Honeydew Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Pyralidae |
| 22 | <i>Dendrolimus pini</i> | Pine-Tree Lappet | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 28 | <i>Dendrolimus punctatus</i> | Masson pine moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 7 | <i>Dendrolimus sibiricus</i> | Siberian Silk Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lasiocampidae |
| 52 | <i>Diabrotica speciosa</i> | Cucurbit Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Chrysomelidae |
| 45 | <i>Diprion pini</i> | Pine Sawfly | Animalia | Arthropoda | Insecta | Hymenoptera | Diprionidae |
| 3 | <i>Helicoverpa armigera</i> | Old World Bollworm | Animalia | Arthropoda | Insecta | Lepidoptera | Noctuidae |
| 15 | <i>Lymantria mathura</i> | Rosy Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Lymantriidae |
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| 26 | <i>Monochamus sutor</i> | Small White-Marmorated Longhorned Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Cerambycidae |
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| 43 | <i>Tetranychus roseus</i> | No common name, a spider mite | Animalia | Arthropoda | Arachnida | Acari | Tetranychidae |
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| 5 | <i>Thaumetopoea processionea</i> | Oak Processionary Moth | Animalia | Arthropoda | Insecta | Lepidoptera | Notodontidae |
| 6 | <i>Tomicus destruens</i> | Pine Shoot Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Scolytidae |
| 4 | <i>Tremex fuscicornis</i> | Tremex Wood Wasp | Animalia | Arthropoda | Insecta | Hymenoptera | Siricidae |
| 44 | <i>Trogoderma granarium</i> | Khapra Beetle | Animalia | Arthropoda | Insecta | Coleoptera | Dermestidae |
| 27 | <i>Tuta absoluta</i> | Tomato Leaf Miner | Animalia | Arthropoda | Insecta | Lepidoptera | Gelechiidae |
| 11 | <i>Unaspis yanonensis</i> | Arrowhead Scale | Animalia | Arthropoda | Insecta | Hemiptera | Diaspididae |
| Mollusca | | | | | | | |
| 14 | <i>Lissachatina fulica</i> | Giant African Snail | Animalia | Mollusca | Gastropoda | Stylommatophora | Achatinidae |
| 29 | <i>Meghimatium pictum</i> | Chinese Slug | Animalia | Mollusca | Gastropoda | Sigmurethra | Philomycidae |
| 38 | <i>Monacha</i> spp. (<i>M. cantiana</i> , <i>M. syriaca</i>) | No common name, hygromiid snails | Animalia | Mollusca | Gastropoda | Stylommatophora | Hygromiidae |
| 21 | Veronicellidae (<i>Belocaulis</i> spp., <i>Colosius</i> spp., <i>Laevicaulis</i> spp., <i>Sarasinula</i> spp., <i>Semperula</i> spp., and <i>Veronicella</i> spp.) | No common name, leatherleaf slugs | Animalia | Mollusca | Gastropoda | Stylommatophora | Veronicellidae |
| Bacteria/Chromista/Fungi | | | | | | | |
| 34 | <i>Candidatus</i> Phytoplasma australiense 16SrXII-B | Australian Grapevine Yellows | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |

| Rank | Scientific Name | Common Name | Kingdom | Phylum | Class | Order | Family |
|-----------------|---|---|-----------|----------------|---------------------|-------------------|--------------------|
| 41 | <i>Candidatus Phytoplasma mali</i> 16SrX-A | Apple Proliferation | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 36 | <i>Candidatus Phytoplasma pini</i> 16SrXXI-A | Pine witches' broom | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 37 | <i>Candidatus Phytoplasma vitis</i> 16SrV-C | Flavescence Dorée | Bacteria | Tenericutes | Mollicutes | Acholeplasmatales | Acholeplasmataceae |
| 2 | <i>Cronartium flaccidum</i> | Scots Pine Blister Rust | Fungi | Basidiomycota | Urediniomycetes | Uredinales | Cronartiaceae |
| 52 | <i>Harpophora maydis</i> | Late Wilt Of Corn | Fungi | Ascomycota | Sordariomycetes | Phyllachorales | Magnaporthaceae |
| 25 | <i>Hymenoscyphus pseudoalbidus</i> (<i>Chalara fraxinea</i>) | Ash Dieback | Fungi | Ascomycota | Ascomycetes | Incertae sedis | Incertae sedis |
| 50 | <i>Monilia polystroma</i> | Asiatic Brown Rot | Fungi | Ascomycota | Leotiomycetes | Helotiales | Sclerotiniaceae |
| 30 | <i>Monilinia fructigena</i> | Brown Rot, Apple Brown Rot | Fungi | Ascomycota | Leotiomycetes | Helotiales | Sclerotiniaceae |
| 46 | <i>Mycosphaerella gibsonii</i> | Needle Blight Of Pine | Fungi | Ascomycota | Ascomycetes | Mycosphaerellales | Mycosphaerellaceae |
| 12 | <i>Phytophthora alni</i> | Alder Root and Collar Rot | Chromista | Oomycota | Oomycetes | Pythiales | Pythiaceae |
| 48 | <i>Phytophthora austrocedrae</i> | Mal Del Ciprés (Cypress Mortality) | Chromista | Oomycota | Oomycetes | Pythiales | Pythiaceae |
| 51 | <i>Pseudopezicula tracheiphila</i> | Rotbrenner | Fungi | Ascomycota | Leotiomycetes | Helotiales | Helotiaceae |
| 35 | <i>Raffaelea quercivora</i> | Japanese Oak Wilt | Fungi | Ascomycota | Sordariomycetes | Ophiostomatales | Ophiostomataceae |
| 13 | <i>Ralstonia solanacearum</i> race 3 biovar 2 | Bacterial Wilt; Southern Bacterial Wilt | Bacteria | Proteobacteria | Betaproteobacteria | Burkholderiales | Ralstoniaceae |
| 52 | <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , <i>X. oryzae</i> pv. <i>oryzicola</i> | Bacterial Blight, Bacterial Leaf Streak | Bacteria | Proteobacteria | Gammaproteobacteria | Xanthomonadales | Xanthomonadaceae |
| Nematoda | | | | | | | |
| 17 | <i>Ditylenchus angustus</i> | Rice Stem Nematode | Animalia | Nematoda | Secernentea | Tylenchida | Anguinidae |
| Plantae | | | | | | | |
| 47 | <i>Onopordum acaulon</i> | Horse Thistle | Plantae | Magnoliophyta | Magnoliopsida | Asterales | Asteraceae |

| Rank | Scientific Name | Common Name | Allium spp. (Onion) | Allium graveolens (Celery) | Anacis spp. (Peanut) | Asparagus spp. (Asparagus) | Avena spp. (Oats) | Brassica spp. | Citrus spp. (Citrus) | Cucumis spp. (Cantaloupe) | Cucumis spp. (Cucumber) | Daucus carota (Carrot) | Fragaria spp. (Strawberry) | Glycine spp. (Soybean) | Gossypium spp. (Cotton) | Helianthus spp. (Sunflower) | Hordeum spp. (Barley) | Lactuca spp. (Lettuce) | Malus spp. (Apple) | Oryza spp. (Rice) | Phaseolus spp. (Beans) | Prunus dulcis (Almond) | Prunus persica (Peach) | Pyrus spp. (Pear) | Solanum lycopersicum (Tomato) | Solanum tuberosum (Potato) | Sorghum spp. (Sorghum) | Triticum spp. (Wheat) | Vitis spp. (Grape) | Zea spp. (Corn) | Pinus spp. (Pine) | Other Softwood Trees* | Soft Hardwood Trees* | Hardwood Trees* | Pest Commodity Total | | | |
|------|---|--|---------------------|----------------------------|----------------------|----------------------------|-------------------|---------------|----------------------|---------------------------|-------------------------|------------------------|----------------------------|------------------------|-------------------------|-----------------------------|-----------------------|------------------------|--------------------|-------------------|------------------------|------------------------|------------------------|-------------------|-------------------------------|----------------------------|------------------------|-----------------------|--------------------|-----------------|-------------------|-----------------------|----------------------|-----------------|----------------------|----|----|---|
| 1 | <i>Agrilus biguttatus</i> | Oak Splendor Beetle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 1 | <i>Platypus quercivorus</i> | Oak Ambrosia Beetle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 2 | <i>Cronartium flaccidum</i> | Scots Pine Blister Rust | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 3 | <i>Helicoverpa armigera</i> | Old World Bollworm | ■ | | ▲ | | ■ | ■ | ▲ | ■ | ■ | ■ | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ■ | ■ | ▲ | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | 27 | |
| 4 | <i>Tremex fuscicornis</i> | Tremex Wood Wasp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 5 | <i>Thaumetopoea processionea</i> | Oak Processionary Moth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | ■ | ■ | 3 | |
| 6 | <i>Tomicus destruens</i> | Pine Shoot Beetle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | ■ | ■ | 1 | |
| 7 | <i>Dendrolimus sibiricus</i> | Siberian Silk Moth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | ▲ | ■ | ■ | 4 |
| 8 | <i>Spodoptera litura</i> | Cotton Cutworm | ▲ | ■ | ▲ | ■ | | ▲ | ▲ | ■ | ■ | ■ | ■ | ▲ | ▲ | ▲ | ▲ | | ■ | ▲ | ▲ | ▲ | ■ | ■ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ■ | 28 | | |
| 9 | <i>Otiorynchus dieckmanni</i> | Wingless Weevil | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | 1 | |
| 10 | <i>Ceroplastes japonicus</i> | Japanese Wax Scale | | | | | | | ▲ | | | | | | | | | | | ■ | | | ■ | ■ | | | | | | | | | | | ■ | ■ | 7 | |
| 11 | <i>Unaspis yanonensis</i> | Arrowhead Scale | | | | | | | ▲ | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 12 | <i>Phytophthora alni</i> | Alder Root and Collar Rot | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | | 1 | |
| 13 | <i>Ralstonia solanacearum</i> race 3 biovar 2 | Bacterial Wilt; Southern Bacterial Wilt | | | ■ | | | | | | | | | | | | | | | | | | | | | ▲ | ▲ | | | | | | | | | | 5 | |
| 14 | <i>Lissachatina fulica</i> | Giant African Snail | ■ | ▲ | | | | ▲ | ■ | ▲ | ▲ | ■ | ■ | | ■ | ■ | ■ | | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 21 | |
| 15 | <i>Lymantria mathura</i> | Rosy Moth | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | 6 | |
| 16 | <i>Massicus raddei</i> | Mountain oak longhorned beetle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | | 1 | |
| 17 | <i>Dirylenchus angustus</i> | Rice Stem Nematode | | | | | | | | | | | | | | | | | | | ▲ | | | | | | | | | | | | | | | | 1 | |
| 18 | <i>Ceroplastes destructor</i> | Soft Wax Scale | | | | | | | ▲ | | | | | | | | | | | ■ | | | | ■ | | | | | | | | | | | | ■ | ■ | 5 |
| 19 | <i>Chilo suppressalis</i> | Asiatic Rice Borer | | | | | | ■ | | | | | | | | | | | | | ▲ | | | | | | ▲ | | | | | | | | | | 6 | |
| 20 | <i>Neoleucinodes elegantalis</i> | Tomato Fruit Borer | | | | | | | | | | | | | | | | | | | | | | | | ▲ | | | | | | | | | | | 1 | |
| 21 | Veronicellidae (<i>Belocaulis</i> spp., <i>Colosius</i> spp., <i>Laevicaulis</i> spp., <i>Sarasinula</i> spp., <i>Semperula</i> spp., and <i>Veronicella</i> spp.) | No common name, leatherleaf slugs | | | ■ | | | ■ | ■ | ■ | ■ | ■ | | | | | | | ■ | | | | | | | | | | | | | | | | | | 9 | |
| 22 | <i>Dendrolimus pini</i> | Pine-Tree Lappet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | ■ | | 2 | |
| 23 | <i>Spodoptera litoralis</i> | Egyptian Cottonworm | ▲ | ■ | ▲ | ■ | | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ▲ | ▲ | | ▲ | ■ | ▲ | ▲ | | | ■ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ■ | ■ | ■ | 28 | |
| 24 | <i>Cryptoblabes gnidiella</i> | Honeydew Moth | ■ | | | | | | ▲ | | | | | | | | | | | ■ | ■ | ■ | | | | | | | | | | | | | | ■ | 11 | |
| 25 | <i>Hymenoscyphus pseudoalbidus</i> (<i>Chalara fraxinea</i>) | Ash Dieback | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 26 | <i>Monochamus sutor</i> | Small White-Marmorated Longhorned Beetle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | ▲ | ■ | 3 | |
| 27 | <i>Tuta absoluta</i> | Tomato Leaf Miner | | | | | | | | | | | | | | | | | | | | | | | | ▲ | ■ | | | | | | | | | | 2 | |
| 28 | <i>Dendrolimus punctatus</i> | Masson pine moth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | | | 1 | |
| 29 | <i>Meghimatium pictum</i> | Chinese Slug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 30 | <i>Monilinia fructigena</i> | Brown Rot, Apple Brown Rot | | | | | | | | | | | | | | | | | | ▲ | | | ▲ | ▲ | ▲ | | | | | | | | | | ▲ | 5 | | |
| 31 | <i>Nysius huttoni</i> | Wheat Bug | | | | | ■ | ■ | | | | | ■ | | | | ■ | ■ | ■ | | | | | ■ | | | | | | | | | | | | | 8 | |
| 32 | <i>Megaplatypus mutatus</i> | No common name, an ambrosia beetle | | | | | | | | ■ | | | | | | | | | | ▲ | | | | | | | | | | | | | | | | | 7 | |
| 33 | <i>Pieris brassicae</i> | Large White Butterfly | ■ | | | | | ▲ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 34 | <i>Candidatus Phytoplasma australiense</i> 16SrXII-B | Australian Grapevine Yellows | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | |
| 35 | <i>Raffaelea quercivora</i> | Japanese Oak Wilt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 36 | <i>Candidatus Phytoplasma pini</i> 16SrXXI-A | Pine witches' broom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 37 | <i>Candidatus Phytoplasma vitis</i> 16SrV-C | Flavescence Dorée | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ▲ | | 1 | |
| 38 | <i>Monacha</i> spp. (<i>M. cantiana</i> , <i>M. syriaca</i>) | No common name, hygromiid snails | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 39 | <i>Oxycarenum hyalinipennis</i> | Cotton Seed Bug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | |
| 40 | <i>Thaumetobia leucotreta</i> | False Codling Moth | | | | | | | ▲ | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 41 | <i>Candidatus Phytoplasma mali</i> 16SrX-A | Apple Proliferation | | | | | | | | | | | | | | | | | | ▲ | | | | | | | | | | | | | | | | | 5 | |
| 42 | <i>Monochamus saltuarius</i> | Japanese Pine Sawyer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 43 | <i>Tetranychus roseus</i> | No common name, a spider mite | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 44 | <i>Trogoderma granarium</i> | Khapra Beetle | | | ▲ | ▲ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 45 | <i>Diprion pini</i> | Pine Sawfly | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 46 | <i>Mycosphaerella gibsonii</i> | Needle Blight Of Pine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 47 | <i>Onopordum acalun</i> | Horse Thistle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 48 | <i>Phytophthora austrocedrae</i> | Mal Del Ciprés (Cypress Mortality) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | 1 | |

| Rank | Scientific Name | Common Name | Allium spp. (Onion) | Apium graveolens (Celery) | Arachis spp. (Peanut) | Asparagus spp. (Asparagus) | Avena spp. (Oats) | Brassica spp. | Citrus spp. (Citrus) | Cucumis spp. (Cantaloupe) | Cucumis spp. (Cucumber) | Daucus carota (Carrot) | Fragaria spp. (Strawberry) | Glycine spp. (Soybean) | Gossypium spp. (Cotton) | Helianthus spp. (Sunflower) | Hordeum spp. (Barley) | Lactuca spp. (Lettuce) | Malus spp. (Apple) | Oryza spp. (Rice) | Phaseolus spp. (Beans) | Prunus dulcis (Almond) | Prunus persica (Peach) | Pyrus spp. (Pear) | Solanum lycopersicum (Tomato) | Solanum tuberosum (Potato) | Sorghum spp. (Sorghum) | Triticum spp. (Wheat) | Vitis spp. (Grape) | Zea spp. (Corn) | Pinus spp. (Pine) | Other Softwood Trees* | Soft Hardwood Trees* | Hardwood Trees* | Pest Commodity Total | | | |
|------|---|---|---------------------|---------------------------|-----------------------|----------------------------|-------------------|---------------|----------------------|---------------------------|-------------------------|------------------------|----------------------------|------------------------|-------------------------|-----------------------------|-----------------------|------------------------|--------------------|-------------------|------------------------|------------------------|------------------------|-------------------|-------------------------------|----------------------------|------------------------|-----------------------|--------------------|-----------------|-------------------|-----------------------|----------------------|-----------------|----------------------|--|----|---|
| 49 | <i>Paysandisia archon</i> | No common name, a palm borer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 50 | <i>Monilia polystroma</i> | Asiatic Brown Rot | | | | | | | | | | | | | | | | | ▲ | | | ▲ | ▲ | ▲ | | | | | | | | | | | | | | 4 |
| 51 | <i>Pseudaecicula tracheiphila</i> | Rotbrenner | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 51 | <i>Tectia solanivora</i> | Guatemalan Potato Tuber Moth | | | | | | | | | | | | | | | | | | | | | | | | ▲ | | | | | | | | | | | | 1 |
| 52 | <i>Diabrotica speciosa</i> | Cucurbit Beetle | ■ | ■ | ▲ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ▲ | ■ | ■ | | | ■ | ■ | ■ | ■ | ■ | | ■ | ▲ | ■ | ▲ | ■ | ▲ | | | | | ■ | | 26 | |
| 52 | <i>Harpophora maydis</i> | Late Wilt Of Corn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 52 | <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , <i>X. oryzae</i> pv. <i>oryzicola</i> | Bacterial Blight, Bacterial Leaf Streak | | | | | | | | | | | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | 1 |

Total Pests Per Commodity:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|----|----|---|---|---|---|---|----|---|---|---|----|----|----|---|----|----|----|---|---|---|----|----|----|----|----|----|-----|
| 7 | 4 | 7 | 3 | 4 | 10 | 13 | 8 | 8 | 6 | 8 | 6 | 11 | 6 | 3 | 9 | 15 | 10 | 11 | 3 | 13 | 11 | 13 | 9 | 9 | 7 | 14 | 11 | 16 | 12 | 21 | 25 | 298 |
|---|---|---|---|---|----|----|---|---|---|---|---|----|---|---|---|----|----|----|---|----|----|----|---|---|---|----|----|----|----|----|----|-----|

▲ = Primary host
 ■ = Other host

*Other Softwood Trees: *Abies, Casuarina, Cupressus, Juniperus, Larix, Picea, Pseudotsuga, Tsuga*
 *Soft Hardwood Trees: *Acacia, Albizia, Alnus, Asimina, Castanea, Catalpa, Celtis, Elaeagnus, Fraxinus, Liquidambar, Magnolia, Melaleuca, Persea, Platanus, Populus, Paulownia, Sabal, Salix, Tamarix, Tilia, Ulmus*
 *Hardwood Trees: *Acer, Aleurites, Amelanchier, Betula, Carpinus, Corya, Castanopsis, Cornus, Crataegus, Diospyros, Eucalyptus, Fagus, Ilex, Juglans, Lithocarpus, Malus, Melia, Morus, Prunus, Quercus, Sapium, Sorbus, Vaccinium*