

Analytic Hierarchy Process (AHP) Prioritized Pest List FY 2012

Overview

The Analytic Hierarchy Process (AHP) Prioritized Pest List for 2012 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.

Subject matter experts in biology and economics evaluated each pest against a weighted set of criteria addressing *environmental impact* and *economic impact*. 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 *AHP PPL Rank by Taxon and AHP PPL by Rank*. The full set of criteria is shown on the worksheet *AHP Criteria*.

Pest List Constraints

To be included in the AHP Prioritized Pest List, a pest:

- 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

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For Additional Information

Please visit the pest prioritization website (<http://ceris.purdue.edu/caps/pestprioritization/Index.htm>) or contact Dr. Gary Cave (Gary.L.Cave@aphis.usda.gov; 919-855-7505).

AHP Prioritized Pest List for 2012 by Rank

Appendix D

Rank	Scientific Name	Common Name	Kingdom	Phylum	Class	Order	Family
1	<i>Agrilus biguttatus</i> (F.)	Oak Splendor Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Buprestidae
1	<i>Platypus quercivorus</i> (Murayama)	Oak Ambrosia Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Platypodidae
2	<i>Cronartium flaccidum</i> (Alb. & Schwein.) G. Winter	Scots Pine Blister Rust	Fungi	Basidiomycota	Urediniomycetes	Uredinales	Cronartiaceae
3	<i>Helicoverpa armigera</i> (Hübner)	Old World Bollworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
4	<i>Tremex fuscicornis</i> (Fabricius)	Tremex Wood Wasp	Animalia	Arthropoda	Insecta	Hymenoptera	Siricidae
5	<i>Thaumetopoea processionea</i> (L.)	Oak Processionary Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Notodontidae
6	<i>Tomicus destruens</i> (Wollaston)	Pine Shoot Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Scolytidae
7	<i>Dendrolimus sibiricus</i>	Siberian Silk Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
7	<i>Dendrolimus superans</i>	Sakhalin silk moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
8	<i>Spodoptera litura</i> (F.)	Cotton Cutworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
9	<i>Otiorynchus dieckmanii</i> (Mangano)	Wingless Weevil	Animalia	Arthropoda	Insecta	Coleoptera	Curculionidae
10	<i>Ceroplastes japonicus</i> (Green)	Japanese Wax Scale	Animalia	Arthropoda	Insecta	Hemiptera	Coccidae
11	<i>Unaspis yanonensis</i> (Kuwana)	Arrowhead Scale	Animalia	Arthropoda	Insecta	Hemiptera	Diaspididae
12	<i>Phytophthora alni</i> (Brasier & Kirk)	Alder Root and Collar Rot	Chromista	Oomycota	Oomycetes	Pythiales	Pythiaceae
13	<i>Ralstonia solanacearum</i> race 3 biovar 2 (Smith)	Bacterial Wilt	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Ralstoniaceae
14	<i>Achatina fulica</i> (Bowditch)	Giant African Snail	Animalia	Mollusca	Gastropoda	Stylommatophora	Achatinidae
15	<i>Lymantria mathura</i> (Moore)	Rosy Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lymantriidae
16	<i>Massicus raddei</i> (Blessig)	Mountain oak longhorned beetle	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
17	<i>Leucoptera malifoliella</i> (Costa)	Pear Leaf Blister Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lyonetiidae
18	<i>Ditylenchus angustus</i> (Butler)	Rice Stem Nematode	Animalia	Nematoda	Secernentea	Tylenchida	Anguinidae
19	<i>Ceroplastes destructor</i> (Newstead)	Soft Wax Scale	Animalia	Arthropoda	Insecta	Hemiptera	Coccidae
20	<i>Chilo suppressalis</i> (Walker)	Asiatic Rice Borer	Animalia	Arthropoda	Insecta	Lepidoptera	Pyralidae
21	Veronicellidae spp. (<i>V. cubensis</i> , <i>V. sloanei</i>).	Veronicellid Slugs	Animalia	Mollusca	Gastropoda	Stylommatophora	Veronicellidae
22	<i>Dendrolimus pini</i> (L.)	Pine-Tree Lappet	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
23	<i>Spodoptera littoralis</i> (Boisduval)	Egyptian Cottonworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
24	<i>Chalara fraxinea</i> (T. Kowalski)	Ash Dieback	Fungi	Ascomycota	Ascomycetes	Incertae sedis	Incertae sedis
25	<i>Monochamus sutor</i> (L.)	Small White-Marmorated Longhorned Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
26	<i>Planococcus minor</i> (Maskell)	Passionvine Mealybug	Animalia	Arthropoda	Insecta	Hemiptera	Pseudococcidae
27	<i>Tuta absoluta</i> (Meyrick)	Tomato Leaf Miner	Animalia	Arthropoda	Insecta	Lepidoptera	Gelechiidae
28	<i>Dendrolimus punctatus</i> (Walker)	Masson pine moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
29	<i>Nysius huttoni</i> (White)	Wheat Bug	Animalia	Arthropoda	Insecta	Hemiptera	Lygaeidae
30	<i>Pieris brassicae</i> (L.)	Large White Butterfly	Animalia	Arthropoda	Insecta	Lepidoptera	Pieridae
31	<i>Candidatus</i> Phytoplasma australiense (R.E. Davis et al.)	Australian Grapevine Yellows	Bacteria	Firmicutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae
32	<i>Raffaelea quercivora</i> (Kubono & Shin. Ito)	Japanese Oak Wilt	Fungi	Ascomycota	Ascomycetes	Ophiostomatales	Ophiostomataceae
33	<i>Monacha</i> spp. (<i>M. cantiana</i> , <i>M. syriaca</i>)	Helicid Snail	Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae
34	<i>Oxycarenus hyalinipennis</i> (Costa)	Cotton Seed Bug	Animalia	Arthropoda	Insecta	Hemiptera	Lygaeidae
35	<i>Eudocima fullonia</i> (Clerck)	Fruit Piercing Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
36	<i>Thaumatotibia leucotreta</i> (Meyrick)	False Codling Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
37	<i>Candidatus</i> Phytoplasma mali (Seemuller & Schneider)	Apple Proliferation	Bacteria	Firmicutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae
38	<i>Monochamus saltuarius</i> (Gebler)	Japanese Pine Sawyer	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
39	<i>Tetranychus roseae</i> (Gutierrez)	No common name, a spider mite	Animalia	Arthropoda	Arachnida	Acari	Tetranychidae
40	<i>Diprion pini</i> (L.)	Conifer Sawfly	Animalia	Arthropoda	Insecta	Hymenoptera	Diprionidae
41	<i>Mycosphaerella gibsonii</i> (H. Evans)	Needle Blight Of Pine	Fungi	Ascomycota	Ascomycetes	Mycosphaerellales	Mycosphaerellaceae
42	<i>Onopordum acaulon</i> (L.)	Horse Thistle	Plantae	Magnoliophyta	Magnoliopsida	Asterales	Asteraceae
43	<i>Paysandisia archon</i> (Burmeister)	No common name, a palm borer	Animalia	Arthropoda	Insecta	Lepidoptera	Castniidae
44	<i>Monilia polystroma</i> (van Leeuwen)	Asiatic Brown Rot	Fungi	Ascomycota	Incertae sedis	Incertae sedis	Incertae sedis
45	<i>Diabrotica speciosa</i> (Germar)	Cucurbit Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Chrysomelidae
45	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> [Ishiyama] Swings et al. & <i>X. oryzae</i> pv. <i>oryzicola</i> (Fang et al.) Swings et al.]	Bacterial Leaf Streak, Bacterial Blight	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae

AHP Prioritized Pest List for 2012 by Rank

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45	<i>Harpophora maydis</i> (Samra, Sabet & Hing.) W. Gams	Late Wilt Of Corn	Fungi	Ascomycota	Ascomycetes	Incertae sedis	Incertae sedis
46	<i>Cameraria ohridella</i> (Deschka & Dimić)	Horse Chestnut Leaf Miner	Animalia	Arthropoda	Insecta	Lepidoptera	Gracillariidae
47	<i>Panolis flammea</i> (Denis & Schiffermüller)	Pine Beauty Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
48	<i>Adoxophyes orana</i> (Fischer von Röslerstamm)	Summer Fruit Tortrix Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
49	<i>Archips xylosteanus</i> (L.)	Variegated Golden Tortrix	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
50	<i>Meloidogyne</i> spp. (<i>M. citri</i> , <i>M. donghaiensis</i> , <i>M. fujianensis</i> , <i>M. indica</i> , <i>M. jianyangensis</i> , <i>M. minganimica</i>)	Citrus Root-Knot Nematodes	Animalia	Nematoda	Secernentea	Tylenchida	Heteroderidae

AHP Prioritized Pest List for 2012 Alphabetized

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Rank	Scientific Name	Common Name	Kingdom	Phylum	Class	Order	Family
14	<i>Achatina fulica</i> (Bowditch)	Giant African Snail	Animalia	Mollusca	Gastropoda	Stylommatophora	Achatinidae
48	<i>Adoxophyes orana</i> (Fischer von Roeslerstamm)	Summer Fruit Tortrix Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
1	<i>Agrilus biguttatus</i> (F.)	Oak Splendor Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Buprestidae
49	<i>Archips xylosteanus</i> (L.)	Variiegated Golden Tortrix	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
46	<i>Cameraria ohridella</i> (Deschka & Dimić)	Horse Chestnut Leaf Miner	Animalia	Arthropoda	Insecta	Lepidoptera	Gracillariidae
31	<i>Candidatus Phytoplasma australiense</i> (R.E. Davis et al.)	Australian Grapevine Yellow	Bacteria	Firmicutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae
37	<i>Candidatus Phytoplasma mali</i> (Seemuller & Schneider)	Apple Proliferation	Bacteria	Firmicutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae
19	<i>Ceroplastes destructor</i> (Newstead)	Soft Wax Scale	Animalia	Arthropoda	Insecta	Hemiptera	Coccidae
10	<i>Ceroplastes japonicus</i> (Green)	Japanese Wax Scale	Animalia	Arthropoda	Insecta	Hemiptera	Coccidae
24	<i>Chalara fraxinea</i> (T. Kowalski)	Ash Dieback	Fungi	Ascomycota	Ascomycetes	Incertae sedis	Incertae sedis
20	<i>Chilo suppressalis</i> (Walker)	Asiatic Rice Borer	Animalia	Arthropoda	Insecta	Lepidoptera	Pyralidae
2	<i>Cronartium flaccidum</i> (Alb. & Schwein.) G. Winter	Scots Pine Blister Rust	Fungi	Basidiomycota	Urediniomycetes	Uredinales	Cronartiaceae
22	<i>Dendrolimus pini</i> (L.)	Pine-Tree Lappet	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
28	<i>Dendrolimus punctatus</i> (Walker)	Masson pine moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
7	<i>Dendrolimus sibiricus</i> (Chetverikov)	Siberian Silk Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
7	<i>Dendrolimus superans</i> (Butler)	Sakhalin silk moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
45	<i>Diabrotica speciosa</i> (Germar)	Cucurbit Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Chrysomelidae
18	<i>Ditylenchus angustus</i> (Butler)	Rice Stem Nematode	Animalia	Nematoda	Secernentea	Tylenchida	Anguinidae
40	<i>Diprion pini</i> (L.)	Conifer Sawfly	Animalia	Arthropoda	Insecta	Hymenoptera	Diprionidae
35	<i>Eudocima fullonia</i> (Clerck)	Fruit Piercing Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
45	<i>Harpophora maydis</i> (Samra, Sabet & Hing.) W. Gams	Late Wilt Of Corn	Fungi	Ascomycota	Ascomycetes	Incertae sedis	Incertae sedis
3	<i>Helicoverpa armigera</i> (Hübner)	Old World Bollworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
17	<i>Leucoptera malifoliella</i> (Costa)	Pear Leaf Blister Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lyonetidae
15	<i>Lymantria mathura</i> (Moore)	Rosy Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lymantriidae
16	<i>Massicus raddei</i> (Blessig)	Mountain oak longhorned beetle	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
50	<i>Meloidogyne</i> spp. (<i>M. citri</i> , <i>M. donghaiensis</i> , <i>M. fujianensis</i> , <i>M. indica</i> , <i>M. jianyangensis</i> , <i>M. minganmica</i>)	Citrus Root-Knot Nematodes	Animalia	Nematoda	Secernentea	Tylenchida	Heteroderidae
33	<i>Monacha</i> spp. (<i>M. cantiana</i> , <i>M. syriaca</i>)	Helicid Snail	Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae
44	<i>Monilia polystroma</i> (van Leeuwen)	Asiatic Brown Rot	Fungi	Ascomycota	Incertae sedis	Incertae sedis	Incertae sedis
38	<i>Monochamus saltuarius</i> (Gebler)	Japanese Pine Sawyer	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
25	<i>Monochamus sutor</i> (L.)	Small White-Marmorated Longhorned Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
41	<i>Mycosphaerella gibsonii</i> (H. Evans)	Needle Blight Of Pine	Fungi	Ascomycota	Ascomycetes	Mycosphaerellales	Mycosphaerellaceae
29	<i>Nysius huttoni</i> (White)	Wheat Bug	Animalia	Arthropoda	Insecta	Hemiptera	Lygaeidae
42	<i>Onopordum acaulon</i> (L.)	Horse Thistle	Plantae	Magnoliophyta	Magnoliopsida	Asterales	Asteraceae
9	<i>Otiorynchus dieckmanii</i> (Mangano)	Wingless Weevil	Animalia	Arthropoda	Insecta	Coleoptera	Curculionidae
34	<i>Oxycarenus hyalinipennis</i> (Costa)	Cotton Seed Bug	Animalia	Arthropoda	Insecta	Hemiptera	Lygaeidae
47	<i>Panolis flammea</i> (Denis & Schiffermüller)	Pine Beauty Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
43	<i>Paysandisia archon</i> (Burmeister)	No common name, a palm borer	Animalia	Arthropoda	Insecta	Lepidoptera	Castniidae
12	<i>Phytophthora alni</i> (Brasier & Kirk)	Alder Root and Collar Rot	Chromista	Oomycota	Oomycetes	Pythiales	Pythiaceae
30	<i>Pieris brassicae</i> (L.)	Large White Butterfly	Animalia	Arthropoda	Insecta	Lepidoptera	Pieridae
26	<i>Planococcus minor</i> (Maskell)	Passionvine Mealybug	Animalia	Arthropoda	Insecta	Hemiptera	Pseudococcidae
1	<i>Platypus quercivorus</i> (Murayama)	Oak Ambrosia Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Platypodidae
32	<i>Raffaelea quercivora</i> (Kubono & Shin. Ito)	Japanese Oak Wilt	Fungi	Ascomycota	Ascomycetes	Ophiostomatales	Ophiostomataceae
13	<i>Ralstonia solanacearum</i> race 3 biovar 2 (Smith)	Bacterial Wilt	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Ralstoniaceae
23	<i>Spodoptera littoralis</i> (Boisduval)	Egyptian Cottonworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
8	<i>Spodoptera litura</i> (F.)	Cotton Cutworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
39	<i>Tetranychus roseus</i> (Gutierrez)	No common name, a spider mite	Animalia	Arthropoda	Arachnida	Acari	Tetranychidae
36	<i>Thaumatotibia leucotreta</i> (Meyrick)	False Codling Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
5	<i>Thaumetopoea processionea</i> (L.)	Oak Processionary Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Notodontidae

AHP Prioritized Pest List for 2012 Alphabetized

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Rank	Scientific Name	Common Name	Kingdom	Phylum	Class	Order	Family
6	<i>Tomicus destruens</i> (Wollaston)	Pine Shoot Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Scolytidae
4	<i>Tremex fuscicornis</i> (Fabricius)	Tremex Wood Wasp	Animalia	Arthropoda	Insecta	Hymenoptera	Siricidae
27	<i>Tuta absoluta</i> (Meyrick)	Tomato Leaf Miner	Animalia	Arthropoda	Insecta	Lepidoptera	Gelechiidae
11	<i>Unaspis yanonensis</i> (Kuwana)	Arrowhead Scale	Animalia	Arthropoda	Insecta	Hemiptera	Diaspididae
21	Veronicelladae spp. (<i>V. cubensis</i> , <i>V. sloanei</i>).	Veronicellid Slugs	Animalia	Mollusca	Gastropoda	Stylommatophora	Veronicellidae
45	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> [(Ishiyama) Swings et al. & <i>X. oryzae</i> pv. <i>oryzicola</i> (Fang et al.) Swings et al.]	Bacterial Leaf Streak, Bacterial Blight	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae

Rank	Scientific Name	Common Name	Kingdom	Phylum	Class	Order	Family
Insecta/Acari							
48	<i>Adoxophyes orana</i> (Fischer von Roeslerstamm)	Summer Fruit Tortrix Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
1	<i>Agrilus biguttatus</i> (F.)	Oak Splendor Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Buprestidae
49	<i>Archips xylosteanus</i> (L.)	Variegated Golden Tortrix	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
46	<i>Cameraria ohridella</i> (Deschka & Dimić)	Horse Chestnut Leaf Miner	Animalia	Arthropoda	Insecta	Lepidoptera	Gracillariidae
19	<i>Ceroplastes destructor</i> (Newstead)	Soft Wax Scale	Animalia	Arthropoda	Insecta	Hemiptera	Coccidae
10	<i>Ceroplastes japonicus</i> (Green)	Japanese Wax Scale	Animalia	Arthropoda	Insecta	Hemiptera	Coccidae
20	<i>Chilo suppressalis</i> (Walker)	Asiatic Rice Borer	Animalia	Arthropoda	Insecta	Lepidoptera	Pyralidae
22	<i>Dendrolimus pini</i> (L.)	Pine-Tree Lappet	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
28	<i>Dendrolimus punctatus</i> (Walker)	Masson pine moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
7	<i>Dendrolimus sibiricus</i> (Chetverikov)	Siberian Silk Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
7	<i>Dendrolimus superans</i> (Butler)	Sakhalin silk moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lasiocampidae
45	<i>Diabrotica speciosa</i> (Germar)	Cucurbit Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Chrysomelidae
40	<i>Diprion pini</i> (L.)	Conifer Sawfly	Animalia	Arthropoda	Insecta	Hymenoptera	Diprionidae
35	<i>Eudocima fullonia</i> (Clerck)	Fruit Piercing Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
3	<i>Helicoverpa armigera</i> (Hübner)	Old World Bollworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
17	<i>Leucoptera malifoliella</i> (Costa)	Pear Leaf Blister Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lyonetidae
15	<i>Lymantria mathura</i> (Moore)	Rosy Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Lymantriidae
16	<i>Massicus raddei</i> (Blessig)	Mountain oak longhorned beetle	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
38	<i>Monochamus saltuarius</i> (Gebler)	Japanese Pine Sawyer	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
25	<i>Monochamus sutor</i> (L.)	Small White-Marmorated Longhorned Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae
29	<i>Nysius huttoni</i> (White)	Wheat Bug	Animalia	Arthropoda	Insecta	Hemiptera	Lygaeidae
9	<i>Otiorhynchus dieckmanii</i> (Mangano)	Wingless Weevil	Animalia	Arthropoda	Insecta	Coleoptera	Curculionidae
34	<i>Oxycarenus hyalinipennis</i> (Costa)	Cotton Seed Bug	Animalia	Arthropoda	Insecta	Hemiptera	Lygaeidae
47	<i>Panolis flammea</i> (Denis & Schiffermüller)	Pine Beauty Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
43	<i>Paysandisia archon</i> (Burmeister)	No common name, a palm borer	Animalia	Arthropoda	Insecta	Lepidoptera	Castniidae
30	<i>Pieris brassicae</i> (L.)	Large White Butterfly	Animalia	Arthropoda	Insecta	Lepidoptera	Pieridae
26	<i>Planococcus minor</i> (Maskell)	Passionvine Mealybug	Animalia	Arthropoda	Insecta	Hemiptera	Pseudococcidae
1	<i>Platypus quercivorus</i> (Murayama)	Oak Ambrosia Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Platypodidae
23	<i>Spodoptera littoralis</i> (Boisduval)	Egyptian Cottonworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
8	<i>Spodoptera litura</i> (F.)	Cotton Cutworm	Animalia	Arthropoda	Insecta	Lepidoptera	Noctuidae
39	<i>Tetranychus roseus</i> (Gutierrez)	No common name, a spider mite	Animalia	Arthropoda	Arachnida	Acari	Tetranychidae
36	<i>Thaumatotibia leucotreta</i> (Meyrick)	False Codling Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Tortricidae
5	<i>Thaumetopoea processionea</i> (L.)	Oak Processionary Moth	Animalia	Arthropoda	Insecta	Lepidoptera	Notodontidae
6	<i>Tomicus destruens</i> (Wollaston)	Pine Shoot Beetle	Animalia	Arthropoda	Insecta	Coleoptera	Scolytidae
4	<i>Tremex fuscicornis</i> (Fabricius)	Tremex Wood Wasp	Animalia	Arthropoda	Insecta	Hymenoptera	Siricidae
27	<i>Tuta absoluta</i> (Meyrick)	Tomato Leaf Miner	Animalia	Arthropoda	Insecta	Lepidoptera	Gelechiidae
11	<i>Unaspis yanonensis</i> (Kuwana)	Arrowhead Scale	Animalia	Arthropoda	Insecta	Hemiptera	Diaspididae
Mollusca							
14	<i>Achatina fulica</i> (Bowditch)	Giant African Snail	Animalia	Mollusca	Gastropoda	Stylommatophora	Achatinidae
33	<i>Monacha</i> spp.	Helicid Snail	Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae
21	<i>Veronicella</i> spp.	Veronicellid Slugs	Animalia	Mollusca	Gastropoda	Stylommatophora	Veronicellidae
Bacteria/Chromista/Fungi							
31	<i>Candidatus</i> Phytoplasma australiense (R.E. Davis et al.)	Australian Grapevine Yellows	Bacteria	Firmicutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae
37	<i>Candidatus</i> Phytoplasma mali (Seemuller & Schneider)	Apple Proliferation	Bacteria	Firmicutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae
24	<i>Chalara fraxinea</i> (T. Kowalski)	Ash Dieback	Fungi	Ascomycota	Ascomycetes	Incertae sedis	Incertae sedis
2	<i>Cronartium flaccidum</i> (Alb. & Schwein.) G. Winter	Scots Pine Blister Rust	Fungi	Basidiomycota	Urediniomycetes	Uredinales	Cronartiaceae
45	<i>Harpophora maydis</i> (Samra, Sabet & Hing.) W. Gams	Late Wilt Of Corn	Fungi	Ascomycota	Ascomycetes	Incertae sedis	Incertae sedis
44	<i>Monilia polystroma</i> (van Leeuwen)	Asiatic Brown Rot	Fungi	Ascomycota	Incertae sedis	Incertae sedis	Incertae sedis

AHP Prioritized Pest List for 2012 by Taxon

Appendix D

41	<i>Mycosphaerella gibsonii</i> (H. Evans)	Needle Blight Of Pine	Fungi	Ascomycota	Ascomycetes	Mycosphaerellales	Mycosphaerellaceae
12	<i>Phytophthora alni</i> (Brasier & Kirk)	Alder Root and Collar Rot	Chromista	Oomycota	Oomycetes	Pythiales	Pythiaceae
32	<i>Raffaelea quercivora</i> (Kubono & Shin. Ito)	Japanese Oak Wilt	Fungi	Ascomycota	Ascomycetes	Ophiostomatales	Ophiostomataceae
13	<i>Ralstonia solanacearum</i> race 3 biovar 2 (Smith)	Bacterial Wilt	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Ralstoniaceae
45	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> [(Ishiyama) Swings et al. & <i>X. oryzae</i> pv. <i>oryzicola</i> (Fang et al.) Swings et al.]	Bacterial Leaf Streak, Bacterial Blight	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae
Nematoda							
18	<i>Ditylenchus angustus</i> (Butler)	Rice Stem Nematode	Animalia	Nematoda	Secernentea	Tylenchida	Anguinidae
50	<i>Meloidogyne</i> spp. (<i>M. citri</i> , <i>M. donghaiensis</i> , <i>M. fujianensis</i> , <i>M. indica</i> , <i>M. jianyangensis</i> , <i>M. minganimica</i>)	Citrus Root-Knot Nematodes	Animalia	Nematoda	Secernentea	Tylenchida	Heteroderidae
Plantae							
42	<i>Onopordum acaulon</i> (L.)	Horse Thistle	Plantae	Magnoliophyta	Magnoliopsida	Asterales	Asteraceae

Analytic Hierarchy Process Model Criteria

Strategic Objective:	
ENVIRONMENTAL IMPACT	Human health Health of native flora and fauna Health of livestock and pets Health of plants with aesthetic value
ECONOMIC IMPACT	Foreign trade Production costs and domestic trade Public costs
IMPACT TO CAPS PROGRAM*	Survey feasibility Identification feasibility

*This set of criteria was not used to create AHP Prioritized Pest List. This information is now reflected within the CAPS Approved-Methods page available at http://caps.ceris.purdue.edu/caps_methods/2012.