

Amendment to the List of Regulated Living Organisms under the Invasive Alien Species Act

Before

1. Animal Kingdom

Class	Order	Family	Genus	Invasive Alien Species (IAS)	Unevaluated Alien Species (UAS)	Living Organisms Required to have a Certificate Attached during their importation in order to verify their types (LORCA)
Insecta	Lepidoptera	Nymphalidae	<i>Hestina</i>	<i>Hestina assimilis</i> excluding <i>H. assimilis shirakii</i>	None	<i>H. assimilis</i>
	Coleoptera	Cerambycidae	<i>Aromia</i>	<i>Aromia bungii</i>	None	<i>A. bungii</i>
		Lucanidae	<i>Neolucanus</i>	<i>Neolucanus angulatus</i>	None	Any species of the families Bolboceratidae Ceratanthidae Diphyllostomatidae Geotrupidae Glaphyridae Glaresidae Hybosoridae Lucanidae Ochodaeidae Passalidae Plecomidae Scarabaeidae Trogidae
				<i>Neolucanus baladeva</i>		
				<i>Neolucanus giganteus</i>		
				<i>Neolucanus katsuraorum</i>		
				<i>Neolucanus maedai</i>		
				<i>Neolucanus maximus</i>		
				<i>Neolucanus perarmatus</i>		
				<i>Neolucanus saundersii</i>		
				<i>Neolucanus tanakai</i>		
	<i>Neolucanus waterhousei</i>					
	Scarabaeidae		<i>Cheirotonus</i>	Any species of the genus <i>Cheirotonus</i> excluding Yanbaru Long-armed scarab (<i>C. jambar</i>)	None	
			<i>Euchirus</i>	Any species of the genus <i>Euchirus</i>	None	
			<i>Propomacrus</i>	Any species of the genus <i>Propomacrus</i>	None	
	Hymenoptera	Apidae	<i>Bombus</i>	Large earth bumblebee (<i>B. terrestris</i>)	Any species of the genus <i>Bombus</i> excluding <i>B. ardens ardens</i> <i>B. ardens sakagami</i> <i>B. ardens tsushmanus</i> <i>B. beaticola beaticola</i> <i>B. beaticola moshkarareppus</i> <i>B. beaticola shikotanensis</i> <i>B. consobrinus wittenburgi</i> <i>B. deuteronymus deuteronymus</i> <i>B. deuteronymus maruhanabachi</i> <i>B. diversus diversus</i> <i>B. diversus tersatus</i> <i>B. florilegus</i> <i>B. honshuensis honshuensis</i> <i>B. honshuensis tkalcui</i> <i>B. hypnorum koropokkrus</i> <i>B. hypocrita hupocrita</i> <i>B. hypocrita sapporensis</i> <i>B. ignitus</i> <i>B. oceanicus</i> <i>B. pseudobaicalensis</i> <i>B. schrencki albidopleuralis</i> <i>B. schrencki konakovi</i> <i>B. schrencki kuwayamai</i> <i>B. terrestris</i> <i>B. ussurensis</i> <i>B. yezoensis</i>	Any species of the genus <i>Bombus</i>
		Formicidae		<i>Linepithema</i>	Argentine ant or Tropical fire ant (<i>L. humile</i>)	None
<i>Solenopsis</i>				Red imported fire ant (<i>S. invicta</i>)	None	<i>S. invicta</i>
				Fire ant (<i>S. geminata</i>)	None	<i>S. geminata</i>
<i>Wasmannia</i>				Little fire ant (<i>W. auropunctata</i>)	None	<i>W. auropunctata</i>
Vespidae		<i>Vespa</i>	Asian black hornet (<i>Vespa velutina</i>)	None	Any species of the genus <i>Vespa</i>	

Class	Order	Family	Genus	Invasive Alien Species (IAS)	Unevaluated Alien Species (UAS)	Living Organisms Required to have a Certificate Attached during their importation in order to verify their types (LORCA)
Crustacea	Decapoda	Astacidae	<i>Astacus</i>	Any species of the genus <i>Astacus</i>	Any species of the family Astacidae excluding the genus <i>Astacus</i> and signal crayfish (<i>P. leniusculus</i>)	Any species of the families Astacidae, Cambaridae, and Parastacidae
			<i>Atlantoastacus</i> <i>Austropotamobius</i> <i>Caspiastacus</i> <i>Pacifastacus</i>	Signal crayfish (<i>P. leniusculus</i>)		
		Cambaridae	<i>Orconectes</i>	Rusty crayfish (<i>O. rusticus</i>)	Any species of the family Cambaridae excluding <i>O. rusticus</i> , zarigani (<i>Cambaroides japonicus</i>) and red swamp crayfish (<i>Procambarus clarkii</i>)	
			All genera of Cambaridae	None		
		Parastacidae	<i>Cherax</i>	Any species of the genus <i>Cherax</i>	Any species of the family Parastacidae excluding the genus <i>Cherax</i>	
			All genera of Parastacidae	None		
Varunidae	<i>Eriocheir</i>	Any species of the genus <i>Eriocheir</i> excluding Japanese mitten crab (<i>E.</i>	None	Any species of the genus <i>Eriocheir</i>		

2. Plant Kingdom

Class	Family	Genus	Invasive Alien Species (IAS)	Unevaluated Alien Species (UAS)	Living Organisms Required to have a Certificate Attached during their importation in order to verify their types (LORCA)
Tracheophyte	Amaranthaceae	<i>Alternanthera</i>	Alligatorweed (<i>A. philoxeroides</i>) (including stems and roots)	None	Any species of the genus <i>Alternanthera</i>
	Apiaceae	<i>Hydrocotyle</i>	Floating marshpennywort or Pennywort (<i>H. ranunculoides</i>) (including stems and roots)	<i>H. bonariensis</i> <i>H. umbellata</i>	Any species of the genus <i>Hydrocotyle</i>
	Araceae	<i>Pistia</i>	Water lettuce (<i>P. stratiotes</i>) (including stems and roots)	None	<i>P. stratiotes</i>
	Azollaceae	<i>Azolla</i>	Water fern (<i>A. cristata</i>) (including stems)	None	Any species of the genus <i>Azolla</i>
	Compositae	<i>Coreopsis</i>	Lanceleaf tickseed (<i>C. lanceolata</i>) (including roots)	None	Any species of the genus <i>Coreopsis</i>
		<i>Gymnocoronis</i>	Senegal tea plant (<i>G. spilanthoides</i>) (including stems and roots)	None	Any species of the genus <i>Gymnocoronis</i>
		<i>Mikania</i>	<i>M. micrantha</i> (including roots)	None	Any species of the genus <i>Mikania</i>
		<i>Rudbeckia</i>	Cutleaf coneflower (<i>R. laciniata</i>) (including roots)	None	Any species of the genus <i>Rudbeckia</i>
		<i>Senecio</i>	Madagascar ragwort (<i>S. madagascariensis</i>) (including stems and roots)	None	Any species of the genus <i>Senecio</i>
	Cucurbitaceae	<i>Sicyos</i>	Bur cucumber (<i>S. angulatus</i>)	None	Any species of the genus <i>Sicyos</i>
	Droseraceae	<i>Drosera</i>	<i>D. intermedia</i> (including stems and roots)	None	Any species of the genus <i>Drosera</i>
	Haloragaceae	<i>Myriophyllum</i>	Parrotfeather (<i>M. aquaticum</i>) (including stems and roots)	None	Any species of the genus <i>Myriophyllum</i>
	Onagraceae	<i>Ludwigia</i>	Large-flower primrose-willow (<i>L. grandiflora</i>)	None	Any species of the genus <i>Ludwigia</i>
	Poaceae	<i>Ammophila</i>	<i>A. arenaria</i> (including roots)	None	Any species of the genus <i>Ammophila</i>
<i>Spartina</i>		Any species of the genus <i>Spartina</i> (including stems and roots)	None	Any species of the genus <i>Spartina</i>	
Scrophulariaceae	<i>Veronica</i>	Water speedwell (<i>V. anagallis-aquatica</i>) (including roots)	None	Any species of the genus <i>Veronica</i>	

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After

1. Animal Kingdom

Class	Order	Family	Genus	Invasive Alien Species (IAS)	Unevaluated Alien Species (UAS)	Living Organisms Required to have a Certificate Attached during their importation in order to verify their types (LORCA)		
Insecta	Lepidoptera	Nymphalidae	<i>Hestina</i>	<i>Hestina assimilis</i> excluding <i>H. assimilis shirakii</i>	None	<i>H. assimilis</i>		
	Coleoptera	Cerambycidae	<i>Aromia</i>	<i>Aromia bungii</i>	None	<i>A. bungii</i>		
		Lucanidae	<i>Neolucanus</i>	<i>Neolucanus angulatus</i>	None	Any species of the families Bolboceratidae Ceratanthidae Diphyllostomatidae Geotrupidae Glaphyridae Glaresidae Hybosoridae Lucanidae Ochodaeidae Passalidae Plecomidae Scarabaeidae Trogidae		
				<i>Neolucanus baladeva</i>				
				<i>Neolucanus giganteus</i>				
				<i>Neolucanus katsuraorum</i>				
				<i>Neolucanus maedai</i>				
				<i>Neolucanus maximus</i>				
				<i>Neolucanus perarmatus</i>				
				<i>Neolucanus saundersii</i>				
		Scarabaeidae	<i>Cheirotonus</i>	Any species of the genus <i>Cheirotonus</i> excluding Yanbaru Long-armed scarab (<i>C. jambar</i>)	None			
	<i>Euchirus</i>			Any species of the genus <i>Euchirus</i>	None			
	Hymenoptera	Apidae	<i>Bombus</i>	Large earth bumblebee (<i>B. terrestris</i>)	Any species of the genus <i>Bombus</i> excluding <i>B. ardens ardens</i> <i>B. ardens sakagami</i> <i>B. ardens tsushmanus</i> <i>B. beaticola beaticola</i> <i>B. beaticola moshkarareppus</i> <i>B. beaticola shikotanensis</i> <i>B. consobrinus wittenburgi</i> <i>B. deuteronymus deuteronymus</i> <i>B. deuteronymus maruhanabachi</i> <i>B. diversus diversus</i> <i>B. diversus tersatus</i> <i>B. florilegus</i> <i>B. honshuensis honshuensis</i> <i>B. honshuensis tkalcui</i> <i>B. hypnorum koropokkrus</i> <i>B. hypocrita hupocrita</i> <i>B. hypocrita sapporensis</i> <i>B. ignitus</i> <i>B. oceanicus</i> <i>B. pseudobaicalensis</i> <i>B. schrencki albidopleuralis</i> <i>B. schrencki konakovi</i> <i>B. schrencki kuwayamai</i> <i>B. terrestris</i> <i>B. ussurensis</i> <i>B. yezoensis</i>	Any species of the genus <i>Bombus</i>		
				<i>Lepisiota</i>	<i>Lepisiota frauenfeldi</i>	None	<i>L. frauenfeldi</i>	
				<i>Linepithema</i>	Argentine ant or Tropical fire ant (<i>L. humile</i>)	None	<i>L. humile</i>	
				Formicidae	<i>Solenopsis</i>	Any species of the <i>Solenopsis geminata</i> species group	None	Any species of the genus <i>Solenopsis</i>
						Any species of the <i>Solenopsis saevissima</i> species group	None	
						Any species of the <i>Solenopsis tridens</i> species group	None	
						Any species of the <i>Solenopsis virulens</i> species group	None	
						Any living hybrid organisms of species of <i>S. geminata</i> species group, <i>S. saevissima</i> species group, <i>S. tridens</i> species group and <i>S. virulens</i> species	None	
<i>Wasmannia</i>				Little fire ant (<i>W. auropunctata</i>)	None	<i>W. auropunctata</i>		
Vespidae				<i>Vespa</i>	Asian black hornet (<i>Vespa velutina</i>)	None	Any species of the genus <i>Vespa</i>	

Class	Order	Family	Genus	Invasive Alien Species (IAS)	Unevaluated Alien Species (UAS)	Living Organisms Required to have a Certificate Attached during their importation in order to verify their types (LORCA)
Crustacea	Amphipoda	Gammaridae	<i>Dikerogammarus</i>	Killer shrimp (<i>D. villosus</i>)	Any species of the genus <i>Dikerogammarus</i> excluding <i>D. villosus</i>	Any species of the genus <i>Dikerogammarus</i>
	Decapoda	Astacidae	All genera of Astacidae	Any species of the family Astacidae	None	Any species of the families Astacidae, Cambaridae, Cambaroididae and Parastacidae
		Cambaridae	All genera of Cambaridae	Any species of the family Cambaridae excluding red swamp crayfish (<i>Procambarus clarkii</i>)	None	
		Cambaroididae	All genera of Cambaroididae	Any species of the family Cambaroididae excluding zarigani (<i>Cambaroides japonicus</i>)	None	
		Parastacidae	All genera of Parastacidae	Any species of the family Parastacidae	None	
		Varunidae	<i>Eriocheir</i>	Any species of the genus <i>Eriocheir</i> excluding Japanese mitten crab (<i>E. japonica</i>) and <i>E.</i>	None	Any species of the genus <i>Eriocheir</i>

2. Plant Kingdom

Class	Family	Genus	Invasive Alien Species (IAS)	Unevaluated Alien Species (UAS)	Living Organisms Required to have a Certificate Attached during their importation in order to verify their types (LORCA)	
Tracheophyte	Amaranthaceae	<i>Alternanthera</i>	Alligatorweed (<i>A. philoxeroides</i>) (including stems and roots)	None	Any species of the genus <i>Alternanthera</i>	
	Apiaceae	<i>Hydrocotyle</i>	Floating marshpennywort or Pennywort (<i>H. ranunculoides</i>) (including stems and roots)	<i>H. bonariensis</i> <i>H. umbellata</i>	Any species of the genus <i>Hydrocotyle</i>	
	Araceae	<i>Pistia</i>	Water lettuce (<i>P. stratiotes</i>) (including stems and roots)	None	<i>P. stratiotes</i>	
	Azollaceae	<i>Azolla</i>	Water fern (<i>A. cristata</i>) (including stems)	None	Any species of the genus <i>Azolla</i>	
	Compositae		<i>Coreopsis</i>	Lanceleaf tickseed (<i>C. lanceolata</i>) (including roots)	None	Any species of the genus <i>Coreopsis</i>
			<i>Gymnocoronis</i>	Senegal tea plant (<i>G. spilanthisoides</i>) (including stems and roots)	None	Any species of the genus <i>Gymnocoronis</i>
			<i>Mikania</i>	<i>M. micrantha</i> (including roots)	None	Any species of the genus <i>Mikania</i>
			<i>Rudbeckia</i>	Cutleaf coneflower (<i>R. laciniata</i>) (including roots)	None	Any species of the genus <i>Rudbeckia</i>
			<i>Senecio</i>	Madagascar ragwort (<i>S. madagascariensis</i>) (including stems and roots)	None	Any species of the genus <i>Senecio</i>
	Cucurbitaceae	<i>Sicyos</i>	Bur cucumber (<i>S. angulatus</i>)	None	Any species of the genus <i>Sicyos</i>	
	Droseraceae	<i>Drosera</i>	<i>D. intermedia</i> (including stems and roots)	None	Any species of the genus <i>Drosera</i>	
	Haloragaceae	<i>Myriophyllum</i>	Parrotfeather (<i>M. aquaticum</i>) (including stems and roots)	None	Any species of the genus <i>Myriophyllum</i>	
	Lentibulariaceae	<i>Utricularia</i>	<i>U. cf. platensis</i> (including stems)	None	Any species of the genus <i>Utricularia</i>	
			Swollen bladderwort (<i>U. inflata</i>) (including stems)	None		
			<i>U. platensis</i> (including stems)	None		
	Onagraceae	<i>Ludwigia</i>	Large-flower primrose-willow (<i>L. grandiflora</i>)	None	Any species of the genus <i>Ludwigia</i>	
	Poaceae	<i>Ammophila</i>	<i>A. arenaria</i> (including roots)	None	Any species of the genus <i>Ammophila</i>	
<i>Spartina</i>		Any species of the genus <i>Spartina</i> (including stems and roots)	None	Any species of the genus <i>Spartina</i>		
Scrophulariaceae	<i>Veronica</i>	Water speedwell (<i>V. anagallis-aquatica</i>) (including roots)	None	Any species of the genus <i>Veronica</i>		