

At-a-Glance Chart of Invasive Species Cards

Page Curly-leaf pondweed 1879			Organism	Date of Introduction	Origin	Method of Introduction
Table Tabl	Aquatic	Plant	curly-leaf pondweed	1879	Europe and Asia	
Purple toosestrife Florida-1950s. Not in Great Lakes yet.			Eurasian watermilfoil	1940s	Europe and Asia	•
Purple loosestrife			flowering rush	1930	Europe and Asia	
Jalewife 1873 Atlantic coast Unintentional/entry through canals and railways. Intentional/ballast water			hydrilla			
Tound goby 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1			purple loosestrife	1869	Europe and Asia	garden plant, but later spread to Great Lakes unintentionally, in along
Northern snakehead 2002-MD Not in Great Lakes and Russia) Tound goby 1990 Eastern Europe Unintentional/ballast water 1996 Tusty crayfish 1967 Ohio, Kentucky, Tennessee Unintentional/ballast water 1996 Tusty crayfish 1967 Ohio, Kentucky, Tennessee Unintentional/release of live bait 1996 Spiny and fishhook waterfleas 1986-fishhook Unintentional/ballast water 1986-fishhook Unintentional/ballast water 1986-fishhook Unintentional/ballast water 1986-fishhook Unintentional/ballast water 1986 Eastern Europe Unintentional/ballast water 1980 Unintentional/ballast water 1980 Unintentional/ballast water 1980 Unintentional/ballast water 1830 Unintentional/ballast water 1830 Unintentional/ballast water 1830 Unintentional/ballast water 1840 Unintentional/ballast water 1840 Unintentional/ballast water 1840 Unintentional/ballast and/or crop 1840 Unintentional/ballast and/or		Animal	alewife	1873	Atlantic coast	Unintentional/entry through canals
Northern snakehead 2002-MD Not in Great Lakes and Russia) Tunitentional/pallast water Tusty crayfish 1967 Ohio, Kentucky, Tennessee Unintentional/pallast water Unintentional/pallast water Tusty crayfish 1967 Ohio, Kentucky, Tennessee Unintentional/pallast water Unintentional/			Asian carp		Asia	
Tound goby 1990 Eastern Europe Unintentional/ballast water rusty crayfish 1967 Ohio, Kentucky, Tennessee Sea lamprey Early 1800s Atlantic Coast Unintentional/lealiast water spiny and fishhook waterfleas 1986-fishhook waterfleas 1986-fishhook waterfleas 1986-fishhook waterfleas 1988 Eastern Europe and Asia Unintentional/ballast water unintentional/ballast water 1986-fishhook White perch 1953 Atlantic Coast Unintentional/ballast water 1986-fishhook waterfleas 1988 Eastern Europe Unintentional/ballast water 1830 China & Japan Intentional/wildlife habitat & windbreak plant 1988 Early Europe water Asia, and northern Africa plant 1989 Intentional/cooking & medicinal use 1989 Central Europe & Asia Unintentional/ballast and/or crop seed contaminant spotted knapweed 1890s Central Europe & Asia Unintentional/contaminant in alfalfa or hay seed. Asian long-horned 1996 Asia Unintentional/contaminant in alfalfa or hay seed. Emerald ash borer 2002 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Unintentional/witchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Unintentional/slow-away on ships. Intentional/slow-away on ships. Norway rat 1775 Asia originally Unintentional/slow-away on ships. Norway rat 1775 Asia originally Unintentional/slow-away on ships. Norway rat 1775 Asia originally Unintentional/slow-away on ships.			Eurasian ruffe	1986	Europe and Asia	Unintentional/ballast water
sea lamprey Early 1800s Atlantic Coast Unintentional/ entry through canals spiny and fishhook waterfleas 1984- spiny 1986-fishhook White perch 1953 Atlantic Coast Unintentional/ballast water 2ebra mussel 1988 Eastern Europe Unintentional/ballast water 2ebra mussel 1988 Eastern Europe Unintentional/ballast water 2ebra mussel 1830 China & Japan Intentional/cooking & medicinal use 2edra mustard 1868 Europe Intentional/cooking & medicinal use 2edra mustard 2edra functional before 1800 Europe, western Asia, and northern Africa 2edra functional/contamental & fencerow 2edra functional/contaminant 2edra functional/contaminant 2edra functional/contaminant 3edra functional/contaminant			northern snakehead			Unintentional/escape from fish farms
sea lamprey Early 1800s Atlantic Coast Unintentional/ entry through canals spiny and fishhook waterfleas 1984- spiny 1986-fishhook White perch 1953 Atlantic Coast Unintentional/ballast water 2ebra mussel 1988 Eastern Europe Unintentional/ballast water 2ebra mussel 1988 Eastern Europe Unintentional/ballast water 2ebra mussel 1830 China & Japan Intentional/ wildlife habitat & windbreak plant 2ebra mustard 1868 Europe Intentional/cooking & medicinal use 2ear 2ear 2ear 2ear 2ear 2ear 2ear 2ea			round goby	1990	Eastern Europe	Unintentional/ballast water
spiny and fishhook waterfleas 1984-spiny 1986-fishhook 1986-fishhook 1986-fishhook 1986-fishhook 1985 Atlantic Coast Unintentional/entry through canals 2ebra mussel 1988 Eastern Europe Unintentional/ballast water 1988 Eastern Europe Unintentional/ballast water 1988 Eastern Europe Unintentional/ballast water 1988 Eastern Europe Unintentional/wildlife habitat & windbreak plant 1868 Europe Unintentional/coking & medicinal use 1866 Europe Unintentional/coking & medicinal use 1867 Europe & Asia Unintentional/coking & medicinal use 1868 Europe 2002 Europe & Asia Unintentional/commental plant 1868 Europe & Asia Unintentional/commental plant 1869 Europe & Asia Unintentional/commental plant 1869 Europe & Asia Unintentional/commental plant 1869 Europe & Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia & North Intentional release 1890 Europe Unintentional/stow-away on ships 1850 Europe Unintentional/stow-away on ships 1850 Europe & Asia Unintentional/stow-away on ships 1850 Unintentional/stow-awa			rusty crayfish	1967		Unintentional/release of live bait
waterfleas 1986-fishhook white perch 1953 Atlantic Coast Unintentional/entry through canals Zebra mussel 1988 Eastern Europe Unintentional/ballast water Unintentional/wildlife habitat & windbreak plant Intentional wildlife habitat & windbreak plant garlic mustard 1868 Europe Intentional/ooking & medicinal use Common buckthorn Before 1800 Europe, western Asia, and northern Africa plant Unintentional/ornamental & fencerow plant common periwinkle 1700s Europe & Asia Unintentional/ornamental plant Unintentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Asian long-horned 1890s Central Europe & Asia Unintentional/intentinent in alfalfa or hay seed. Asian long-horned 1996 Asia Unintentional/intentinent in alfalfa or hay seed. Emerald ash borer 2002 Asia Unintentional/intentinent in alfalfa or hay seed. Emerald ash borer 2002 Asia Unintentional/intentinent in alfalfa or hay seed. Emerald ash borer 2002 Asia Unintentional/intentinent on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Intentional release Intentional release Intentional release Intentionally imported, later escaped into wild Intentionally imported, later escaped into wild Intentional release Intentional/into control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships. Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products			sea lamprey	Early 1800s	Atlantic Coast	Unintentional/ entry through canals
zebra mussel 1988 Eastern Europe Unintentional/ballast water autumn olive 1830 China & Japan Intentional/ballast water Intentional/ wildlife habitat & windbreak plant Intentional/cooking & medicinal use common buckthorn Before 1800 Europe, western Asia, and northern Africa Intentional/ornamental & fencerow plant leafy spurge 1827 Europe & Asia Unintentional/ballast and/or crop seed contaminant common periwinkle 1700s Europe & Asia Unintentional/ornamental plant spotted knapweed 1890s Central Europe & Asia Unintentional/contaminant in alfalfa or hay seed. Asian long-horned beetle Pasia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Emerald ash borer 2002 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia North Africa Intentionally imported, later escaped into wild intentionally imported, later escaped louse sparrow 1850 Europe Unintentional/stow-away on ships. Norway rat 1775 Asia originally Unintentional/stow-away on ships Unintentional/accidentally carried on imported wood products					Europe and Asia	Unintentional/ballast water
autumn olive 1830 China & Japan Intentional/ wildlife habitat & windbreak plant garlic mustard 1868 Europe Intentional/cooking & medicinal use common buckthorn Before 1800 Europe, western Asia, and northern Africa plant leafy spurge 1827 Europe & Asia Unintentional/ballast and/or crop seed contaminant common periwinkle 1700s Europe & Asia Intentional/ornamental plant spotted knapweed 1890s Central Europe & Asia Unintentional/contaminant in alfalfa or hay seed. Asian long-horned beetle 1996 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Emerald ash borer 2002 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Intentionally imported, later escaped into wild house mouse 1600s Europe Unintentional/stow-away on ships. Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing			white perch	1953	Atlantic Coast	Unintentional/entry through canals
garlic mustard 1868 Europe Intentional/cooking & medicinal use common buckthorn Before 1800 Europe, western Asia, and northern Africa Intentional/ornamental & fencerow plant leafy spurge 1827 Europe & Asia Unintentional/ballast and/or crop seed contaminant common periwinkle 1700s Europe & Asia Intentional/ornamental plant spotted knapweed 1890s Central Europe & Asia Unintentional/ornamental plant Unintentional/ornamental plant Unintentional/ornamental plant Unintentional/ornamental plant Unintentional/ornamental plant Unintentional/intentihiker on wood packaging carried by cargo ships or planes. Emerald ash borer 2002 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Intentional release Intentional release Intentional release Intentional release Intentional/stow-away on ships. Nouse mouse 1600s Europe Unintentional/stow-away on ships. Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products			zebra mussel	1988	Eastern Europe	Unintentional/ballast water
common buckthorn Before 1800 Europe, western Asia, and northern Africa leafy spurge 1827 Europe & Asia Unintentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant common periwinkle 1700s Europe & Asia Unintentional/ornamental plant Unintentional/ornamental & fencerow plant Europe & Asia Unintentional/ornamental & fencerow plant Unintentional/ornamental & fencerow plant Europe & Asia Unintentional/ornamental & fencerow plant Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental & fencerow plant Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental valuation Unintentional/ornamental valua						
leafy spurge 1827 Europe & Asia Unintentional/ballast and/or crop seed contaminant			autumn olive	1830	China & Japan	
Seed contaminant Intentional/normamental plant Seed contaminant Seed contaminant Seed contaminant Seed contaminant Seed contaminant Seed contaminant Intentional/hitchhiker on wood packaging carried by cargo ships or planes. Seed contaminant Intentional/hitchhiker on wood packaging carried by cargo ships or planes. Seed contaminant Seed contaminan			garlic mustard	1868	Europe	windbreak plant Intentional/cooking & medicinal use
spotted knapweed 1890s Central Europe & Asia Unintentional/contaminant in alfalfa or hay seed. Asian long-horned beetle 1996 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Emerald ash borer 2002 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Intentional release gypsy moth Escaped 1868 or 67 Europe, Asia & North Africa Intentionally imported, later escaped into wild house mouse 1600s Europe Unintentional/stow-away on ships. Norway rat 1775 Asia originally Unintentional/stow-away on ships Unintentional/stow-away on ships Unintentional/accidentally carried on imported wood products		ant	garlic mustard	1868	Europe Europe, western Asia,	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant
Asian long-horned beetle 1996 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Emerald ash borer 2002 Asia Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. European starling 1890 Europe, Asia Intentional release gypsy moth Escaped 1868 or 67 Europe, Asia & North Africa Intentionally imported, later escaped into wild house mouse 1600s Europe Unintentional/stow-away on ships. house sparrow 1850 Europe & Asia Intentional/to control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products		Plant	garlic mustard common buckthorn	1868 Before 1800	Europe Europe, western Asia, and northern Africa	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop
gypsy moth Escaped 1868 or 67 Europe, Asia & North Africa Intentionally imported, later escaped into wild house mouse house sparrow 1850 Europe & Asia Intentional/stow-away on ships. Intentional/to control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products		Plant	garlic mustard common buckthorn leafy spurge	1868 Before 1800	Europe Europe, western Asia, and northern Africa Europe & Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant
gypsy moth Escaped 1868 or 67 Europe, Asia & North Africa Intentionally imported, later escaped into wild house mouse house sparrow 1850 Europe & Asia Intentional/stow-away on ships. Intentional/to control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products	=	Plant	garlic mustard common buckthorn leafy spurge common periwinkle	1868 Before 1800 1827 1700s	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa
gypsy moth Escaped 1868 or 67 Europe, Asia & North Africa Intentionally imported, later escaped into wild house mouse house sparrow 1850 Europe & Asia Intentional/stow-away on ships. Intentional/to control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products	strial	Plant	garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned	1868 Before 1800 1827 1700s 1890s	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or
gypsy moth Escaped 1868 or 67 Europe, Asia & North Africa Intentionally imported, later escaped into wild house mouse house sparrow 1850 Europe & Asia Intentional/stow-away on ships. Intentional/to control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products	errestrial		garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle	1868 Before 1800 1827 1700s 1890s	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or
house sparrow 1850 Europe & Asia Intentional/to control agricultural pests Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products	Terrestrial		garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle Emerald ash borer	1868 Before 1800 1827 1700s 1890s 1996	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes.
Norway rat 1775 Asia originally Unintentional/stow-away on ships Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products	Terrestrial		garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle Emerald ash borer European starling	1868 Before 1800 1827 1700s 1890s 1996 2002	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia Asia Europe, Asia Europe, Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Intentional release Intentionally imported, later escaped
Disease causing Dutch elm disease 1930 Asia Unintentional/accidentally carried on imported wood products	Terrestrial		garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle Emerald ash borer European starling gypsy moth	1868 Before 1800 1827 1700s 1890s 2002 1890 Escaped 1868 or 67	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia Europe, Asia Europe, Asia Europe, Asia & North Africa	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Intentional release Intentionally imported, later escaped into wild
causing imported wood products	Terrestrial		garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle Emerald ash borer European starling gypsy moth house mouse	1868 Before 1800 1827 1700s 1890s 1996 2002 1890 Escaped 1868 or 67 1600s	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia Europe, Asia Europe, Asia Europe, Asia & North Africa Europe	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Intentional release Intentionally imported, later escaped into wild Unintentional/stow-away on ships. Intentional/to control agricultural
	Terrestrial		garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle Emerald ash borer European starling gypsy moth house mouse house sparrow	1868 Before 1800 1827 1700s 1890s 1996 2002 1890 Escaped 1868 or 67 1600s 1850	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia Europe, Asia Europe, Asia Europe, Asia & North Africa Europe Europe & Asia	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Intentional release Intentionally imported, later escaped into wild Unintentional/stow-away on ships. Intentional/to control agricultural pests
	Terrestrial	Animal	garlic mustard common buckthorn leafy spurge common periwinkle spotted knapweed Asian long-horned beetle Emerald ash borer European starling gypsy moth house mouse house sparrow Norway rat	1868 Before 1800 1827 1700s 1890s 1996 2002 1890 Escaped 1868 or 67 1600s 1850 1775	Europe Europe, western Asia, and northern Africa Europe & Asia Europe & Asia Central Europe & Asia Asia Europe, Asia Europe, Asia Europe, Asia & North Africa Europe Europe & Asia Asia originally	windbreak plant Intentional/cooking & medicinal use Intentional/ornamental & fencerow plant Unintentional/ballast and/or crop seed contaminant Intentional/ornamental plant Unintentional/contaminant in alfalfa or hay seed. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Unintentional/hitchhiker on wood packaging carried by cargo ships or planes. Intentional release Intentional release Intentionally imported, later escaped into wild Unintentional/stow-away on ships. Intentional/to control agricultural pests Unintentional/stow-away on ships Unintentional/accidentally carried on