INVASIVE SPECIES IN NEW YORK

What is an invasive species?

Invasive alien species are plants, animals, or other organisms that are introduced to a given area outside their original range and cause harm in their new home. Because they have no natural enemies to limit their reproduction, they usually spread rampantly. Invasive alien species are recognized as one of the leading threats to biodiversity and impose enormous costs to agriculture, forestry, fisheries, and other human enterprises, as well as to human health.



• The cost to control invasive species and the damages they inflict upon property and natural resources in the U.S. is estimated at \$137 billion annually.

Invasive Species in New York: A Quick Look

New York has been invaded by a number of harmful exotic plants and animals. Here is a quick look at some of the worst current and potential invaders:

Name	Type	Origin	Extent	Damage
Zebra mussel	Mollusk	Caspian Sea region of Asia; accidentally	Found in Lake Ontario, Erie, all	Voracious filter feeders that out- compete native animals; fouls
musser		released into Lake St.	Finger Lakes	boats & clogs intake pipes at
		Clair in 1988 in ship	and Hudson	power plants and municipal
		ballast water	Valley	water sources
Purple	Wetland	Europe and Asia;	Found	Displaces native wetland plants;
loosestrife	plant	introduced in 1800s	throughout NY,	has less food and habitat value
		as ornamental and	especially in	for waterfowl and other wildlife
		medicinal plant in	central region	
	_	1800s	4 400	a
Asian long-	Insect	China; entered in	4,600 trees in	Controlling NYC infestations
horned		1996 as a	Manhattan,	has cost \$180 million; if beetle
beetle		"hitchhiker" on wood	Brooklyn,	escapes, it could devastate
		packing material	Queens, and Long Island	timber, tourism, maple syrup and street trees in northeast
West Nile	Virus	Uganda; first reported	Found in every	New York has reported 193
virus	VIIUS	in NY and CT in	county in New	human cases and 17 deaths;
vii us		1999	York	WNV has also killed thousands
				of birds and over 100 horses
Garlic	Weed	Europe; brought by	Throughout NY	Grows earlier in spring than
mustard		settlers as a vitamin-	south of	native plants, allowing it to
		rich winter herb	Adirondacks	dominate forest understory and
				crowd out natives
Chestnut	Fungus	China; probably	By 1926, the	Chestnut once comprised one-
blight		introduced on nursery	disease had	fourth to one-half of eastern
		stock in the 1890s. It	devastated	U.S. forests, and was prized for
		was first detected in	chestnuts from	its durable wood, and as a food
		New York city in	Maine to	for humans, livestock and
		1904.	Alabama	wildlife. Today, only stump-
				sprouts from killed trees remain.

Name	Туре	Origin	Extent	Damage
Golden	Roundworm	Peru; spread from	Found in	A hard-to-eradicate pest of
nematode		there to Europe and	Long Island	potatoes, tomatoes and eggplant
		then to U.S. after	and 7 upstate	
		World War I	counties	
Multiflora	Weed	Japan & China;	Found	Forms dense thickets that
rose		promoted in 1900s as	throughout	crowd out native species, also a
		a "living fence"	New York	weed in crop and pasture lands

What Congress Can Do:

A. Make Prevention Our Top Priority

- Reverse current U.S. policy on the intentional import of live plants and animals, that is, switch from a "dirty" to a "clean" list approach that requires screening for invasiveness before import and which keeps out or limits import of species so as to prevent harm to native species or ecosystems and make the legislative changes to do so.
- Substantially cut the unintentional introduction of aquatic invaders by overseeing federal standard-setting on the discharge of ballast water in the United States, supporting the development of technology to meet these standards; ensuring that agencies monitor and enforce compliance; and reauthorizing the 1996 National Invasive Species Act in the strongest and most comprehensive form.
- When considering, reviewing, or approving trade agreements, rigorously address invasive species, e.g., by allowing for restriction of imports of non-native species that are invasive elsewhere and by identifying pathways by which inadvertent introductions travel so that they may be interrupted.

B. Make Federal Agencies More Effective

- Use oversight authority to ensure that all federal agencies immediately and strongly implement that part of Executive Order 13112 that asks them to identify and reduce actions that introduce or spread invasive species in the United States or elsewhere.
- Appropriate adequate funds so that federal agencies have the resources to address invasive species problems promptly and comprehensively over the long-term.
- Strengthen the structure and leadership of the National Invasive Species Council and prompt more aggressive implementation of its National Management Plan.
- Oversee the work of the U.S. Department of Agriculture's Animal and Plant Health Inspection Service to ensure that the agency and its Administrator are committed to protecting biological diversity as well as agriculture.
- Evaluate the serious problems with border inspection for pests, weeds, and pathogens, e.g., in staffing and cross-department coordination, exacerbated by moving these functions into the Department of Homeland Security and amend its authorizing legislation if needed.

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