



2023 High Priority Forest Pest List

For more information including resources for identification, visit www.capitalregionprism.org

To report these species, visit www.nyimainvasives.org

Purpose: The Capital Region Partnership for Regional Invasive Species Management (CR-PRISM) created this list of species to identify invasive species which are the highest priority invasive species for monitoring, detection and response efforts within the Capital Region. This list also fulfills Objective 2.4: *Anticipate new introductions and reassess current species of concern through event horizon scanning* within “Goal 2: Prevent” in the [CR-PRISM 2023-2027 Five-Year Strategic Plan](#). All the species contained on this list are high or very high threat and many are prohibited within the state of New York by the NYS Department of Environmental Conservation. This list will be shared with the Partnership to incorporate into their education and outreach, monitoring, detection, and response efforts.

These species were selected by the CR-PRISM staff through reviewing the CR-PRISM Tier List, ecological threat rankings and regulatory status of each of these species. In addition, event horizon scanning techniques were used including reviewing tier rankings on neighboring PRISM tier lists, the [NYNHP Statewide Tier List](#) and observing proximity of species to the CR-PRISM region for each species were taken into consideration.

Early Detection High Priority Species- species that have not been detected in the Capital Region PRISM or have few known infestations within the Capital Region PRISM

| Common Name | Scientific Name | Growth Form | Ecological Threat | Socio-economic Threat | Part 575 Regulatory Status | CR-PRISM Tier |
|-----------------------------|--------------------------------------|-------------|-------------------|-----------------------|----------------------------|-------------------------------|
| Hemlock woolly adelgid | <i>Adelges tsugae</i> | Insect | H | Very High Negative | Prohibited | 2 (Northern portion of PRISM) |
| Asian longhorned beetle | <i>Anoplophora glabripennis</i> | Insect | H | Very High Negative | Prohibited | 1a |
| Sirex woodwasp | <i>Sirex noctilio</i> | Insect | H | Significant Negative | Prohibited | M |
| Japanese pine sawyer beetle | <i>Monochamus alternatus</i> | Insect | H | Significant Negative | Prohibited | Untiered |
| Southern pine beetle | <i>Dendroctonus frontalis</i> | Insect | H | Significant Negative | | 2 |
| Oak wilt | <i>Bretziella fagacearum</i> | Fungus | H | High Negative | | 2 |
| Beech leaf disease | <i>Litylenchus crenatae mccannii</i> | Unknown | NA | Not assessed | | 1a |
| Laurel wilt | <i>Raffaelea lauricola</i> | Fungus | NA | Not assessed | | Untiered |





Pests Prioritized for Biocontrol Control and Resistance- species established in the Capital Region PRISM but have active research being conducted for biocontrol or resistance

| Common Name | Scientific Name | Growth Form | Ecological Threat | Socio-economic Threat | Part 575 Regulatory Status | CR-PRISM Tier |
|----------------------------|------------------------|-------------|-------------------|-----------------------|----------------------------|---------------|
| <i>Agrilus planipennis</i> | Emerald ash borer | Insect | VH | Very High Negative | Prohibited | 4 |
| <i>Adelges tsugae</i> | Hemlock woolly adelgid | Insect | H | Very High Negative | Prohibited | 4 |

Definitions:

Invasive Species

A species that is nonnative to the ecosystem under consideration, and whose introduction causes or is likely to cause economic or environmental harm or harm to human health. For the purpose of 6 NYCRR Part 575, the harm must significantly outweigh any benefits.

Prohibited Species

Prohibited invasive species cannot be knowingly possessed with the intent to sell, import, purchase, transport or introduce. In addition, no person shall sell, import, purchase, transport, introduce or propagate prohibited invasive species.

Regulated Species

Regulated invasive species, on the other hand, are species which cannot be knowingly introduced into a free-living state or introduced by a means that one should have known would lead to such an introduction, although such species shall be legal to possess, sell, buy, propagate, and transport.

Horizon Scanning

A process for identifying and assessing potential risks posed by non-native species that may be introduced and become established.

High Priority Invasive Species (HPIS)

A Tier 1 or 2 invasive species which poses a high or very high threat that are of particular concern with significant impacts to our ecosystems, economy, agricultural systems, and human health.

Species of Concern (SOC)

Species that have unknown consequences and impacts to our environment, economy, agricultural systems, and human health. These species have shown evidence of invasive tendencies that could pose moderate to very high threats. These species can be approaching the region or found locally.

