

Invasive Plant Species Management
2023 Virginia Extension Master Gardener Webinar
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Invasive plants impact all areas including landscapes, retail horticulture, nursery crops, pastures, row-crops, vegetable production, forestry and natural areas.

GOALS

- Situation overview
- Management strategies
- Resources
- Future support

RESOURCES

Virginia Tech

Invasive Species Working Group

<https://globalchange.vt.edu/research/working-groups/invasive-species-working-group.html> Tasked to produce original research, connect across branches of knowledge, and train the next generation of policy-minded scientists. Was recently selected as one of four teams to develop Phase II proposals for the ambitious Destination Area 2.0 call. This represents a significant opportunity to grow the breadth and depth of invasives-related work happening at VT through new faculty hires, additional funding, and greater networking and coordination.

VCE Publications

- Horticultural and Forest Crops Pest Management Guide 456-017 Section 9 under Weed Control in Right-of-Way and Non-Crop Areas
https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/456/456-017/ENTO-463.pdf
- Exotic Invasive Plants 420-320 (CNRE-105NP)
- Invasive Plant Species: Ailanthus (Ailanthus altissima) 420-322 (CNRE-128NP)
- Invasive Exotic Plant Species: Honeysuckle (Lonicera spp.) 420-323 (CNRE-95P)
- Invasive Exotic Plant Species: Autumn Olive (Elaeagnus umbellata) 420-321 (CNRE-97P)
- Invasive Tree-of-Heaven & Native Look-Alike Identification Photographs SPES-148NP
- Giant Hogweed: Identification and Control SPES-48NP (SPES-245NP)
- Identification of Virginia's Noxious Weeds SPES-244NP
- Woodland Health Practices Handbook A Practitioner's Guide for Creating, Enhancing, and Maintaining Natural Areas Julianne Schieffer et al

Books

Plant Invaders of Mid-Atlantic Natural Areas Swearingen, J., B. Slattery, K. Reshetiloff

Mistaken Identity: Invasive Plants and their Native Look-alikes an Identification Guide for the Mid-Atlantic Matthew Sarver, Amanda Treher, Lenny Wilson, Robert Naczi, Faith B. Kuehn

A Field Guide for the Identification of Invasive Plants in Southern Forests James H. Miller, Erwin B.

Chambliss, and Nancy J. Loewenstein USDA Forest Service Southern Research Station General Technical Report SRS-119 https://www.srs.fs.usda.gov/pubs/gtr/gtr_srs119.pdf

A Management Guide for Invasive Plants in Southern Forests James H. Miller, Steven T. Manning, and Stephen F. Enloe USDA Forest Service Southern Research Station General Technical Report SRS-131 https://www.srs.fs.usda.gov/pubs/gtr/gtr_srs131.pdf

Non-Native Invasive Plant Species Control Treatments Virginia Department of Forestry

https://dof.virginia.gov/wp-content/uploads/FT0031-Nonnative-Invasive-Plant-Species-Control-Treatments_pub.pdf

APPS

iNaturalist - Android and iOS

PictureThis - Android and iOS

Pl@ntNet - Android and iOS

PlantSnap - Android and iOS

LeafSnap - Android and iOS

Plantix - Android

Invasive Plants in Southern Forests iOS

Other Resources

Virginia Invasive Plant Species List <https://www.dcr.virginia.gov/natural-heritage/invspdflist> lists region of VA and ranks invasiveness

Mid-Atlantic Exotic Pest Plant Council Plant List <https://www.invasive.org/maweeds.cfm> - run by Bugwood Images, University of Georgia's Center for Invasive Species and Ecosystem Health, provides easily accessible archive of high-quality images for use in educational applications, made up of five major website interfaces - ForestryImages, IPMImages, InsectImages, WeedImages, and Invasive.org

Aquatic Invasive Plants National Invasive Species Information Center USDA

<https://www.invasivespeciesinfo.gov/aquatic/plants>

PRISMs Partnership for Regional Invasive Species Management

- Blue Ridge PRISM 12-counties northern Blue Ridge Mountains <https://blueridgeprism.org/>
- NoVA PRISM <http://novaprism.us/>

Plant NoVA Natives <http://plantnovanatives.org>

- Invasive Plant Management <https://www.plantnovanatives.org/invasive-plant-management>
- *Plant This, Not That Native Alternatives to Invasive Plants*
<https://drive.google.com/file/d/1qsjdVJbnrq88lmfQs49vyeuj1S3uYDgl/view>

REPORT OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION AND THE VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES - Study on the Sales in Retail, Landscape, Greenhouse, and Nursery Industries of Invasive Plants and Measures to Reduce or Eliminate the Sale and Use of Invasive Plant Species in the Commonwealth and Promotion of the Sale and Use of Native Plants

<https://www.dcr.virginia.gov/natural-heritage/document/hj527invasive-species-report-final.pdf>