

Ohio Invasive Plant Assessment Protocol

Berberis thunbergii

Japanese Barberry

Berberidaceae

7/20/16

1. Knight, T.M., Havens, K., Vitt, P. (2011) Will the use of less fecund cultivars reduce the invasiveness of perennial plants? *BioScience* 61: 816-822.
2. Plant Conservation Alliance: <http://www.nps.gov/plants/alien/fact/pdf/alpe1.pdf>
3. USDA PLANTS database: <http://plants.usda.gov/java/nameSearch>
4. DCNR (Pennsylvania) Invasive Exotic Plant Tutorial for Natural Land Managers: http://www.dcnr.state.pa.us/forestry/invasivetutorial/japanese_euro_barberry.htm
5. Ohio Forests, 2006, Resource Bulliten, NRS-36, 2009: http://www.nrs.fs.fed.us/pubs/rb/rb_nrs36.pdf
6. Produced by the USDA Forest Service, Forest Health Staff, Newtown Square, PA.: http://www.na.fs.fed.us/fhp/invasive_plants/weeds/japanese-barberry.pdf
7. KY Exotic Pest Plant Council: <http://www.se-eppc.org/ky/list.htm>
8. Assessment of Japanese barberry (*Berberis thunbergii*) in Indiana's Natural Areas May 25, 2007 assessment meeting – Don Miller, Kate Howe, Hilary Cox, Ellen Jacquart: http://www.in.gov/dnr/files/Official_Japanese_Barberry_Assessment.pdf
9. Michigan Natural Features Inventory, Michigan Invasive Plant Species Accounts: <http://mnfi.anr.msu.edu/education/factsheets.cfm>
10. USDA Forest Service Fire Effects Information: <http://www.fs.fed.us/database/feis/plants/shrub/berthu/all.html>
11. Peter Del Tredici (2010) *Wild Urban Plants of the Northwest: A Field Guide*. Comstock Publishing Associates.
12. EDDMapS Distribution for Japanese Barberry: <http://www.invasive.org/browse/subinfo.cfm?sub=3010>,
13. BONAP: <http://bonap.net/MapGallery/County/Berberis%20thunbergii.png> Accessed 1/29/15
14. Connelly, BA, GJ Anderson, MH Brand (2013) Occurrence and fertility of feral hybrid barberry *Berberis ottawensis* (Berberidaceae) in Connecticut and Massachusetts. *Rhodora* 115: 121-15.
15. Brand M.H., Lehrer J.M., and Lubell J.D. (2012) Fecundity of Japanese Barberry (*Berberis thunbergii*) Cultivars and Their Ability to Invade a Deciduous Woodland. *Invasive Plant Science and Management* 5:464-476.
16. Coats, V.C., K.N. Pelletreau, m.E. Rumpho (2014) Aplicon pyrosequencing reveals the soil microbial diversity associated with invasive Japanese barberry (*Berberis thunbergii* DC.).
17. DeGasperis, B.G., G. Motzkin (2007) Windows of opportunity: Historical and ecological controls on *Berberis thunbergii* invasions. *Ecology* 88: 3115-3125.
18. Ehrenfeld, J.G. (1997) Invasion of deciduous forest preserves in the New York metropolitan region by Japanese barberry (*Berberis thunbergii* DC.). *Journal of the Torrey Botanical Society*
19. Ehrenfeld, J.G. (1999) Structure and dynamics of populations of Japanese barberry (*Berberis thunbergii* DC.) in deciduous forests of new Jersey. *Biological Invasions* 1: 203-213.
20. Ehrenfeld, J.G. (2001) Changes in soil functions following invasion of exotic understory plants in deciduous forests. *Ecological Applications* 11: 1287-1300.
21. Flinn, K.M., J.L. Bechhofer, M. Malcolm (2014) Little impact of the invasive shrub Japanese barberry (*Berberis thunbergii* DC.) on forest understory plant communities. *The Journal of the*
22. Hayes, S.J. and E.J. Holzmueller (2012) Relationship between invasive plant species and forest fauna in Eastern North America. *Forests* 3: 840-852.
23. Lehrer, J.M., M.H. Brand, and J.D. Lubell (2006) Four cultivars of Japanese barberry demonstrate differential reproductive potential under landscape conditions. *HortScience* 41: 762-767.
24. Lubell, J.D., M.H. Brand, J.M. Lehrer, and K.E. Holsinger (2008) Detecting the influence of ornamental *Berberis thunbergii* var. *atropurpurea* in invasive populations of *Berberis thunbergii* (Berberidaceae) using AFLP. *American Journal of Botany* 95: 700-705.
25. Lubell, J.D., M.H. Brand, H.M. Lehrer, and K.E. Holsinger (2009) Amplified fragment length polymorphism and parentage analysis of a feral barberry (*Berberis thunbergii* DC.) population to determine the contribution of an ornamental landscape genotype. *HortScience* 44: 392-395.
26. Lubell, J.D. and M.H. Brand (2011) Germination, growth and survival of *Berberis thunbergii* DC. (Berberidaceae) and *Berberis thunbergii* var. *atropurpurea* in five natural environments.
27. McCay, T.S., D.H. McCay, and J.L. Czajka (2009) Deposition of exotic bird-dispersed seeds into three habitats of a fragmented landscape in the northeastern United States, *Plant Ecology*
28. Schlossberg S., and D.I. King (2009) Effects of invasive woody shrubs on avian nest site selection and nesting success in shrublands. *Animal Conservation* 13: 286-293.
29. Schmidt, K.A., L.C. Nelis, N. Briggs, and R.S. Ostfeld (2005) Invasive shrubs and songbird nesting success: Effects of climate variability and predator abundance. *Ecological Applications* 15:
30. Silander J.A. and D.M. Klepeis (1999) The invasion ecology of Japanese barberry (*Berberis thunbergii*) in the New England landscape. *Biological Invasions* 1: 189-201.
31. Ward J.S., T.E. Worthley, and S.C. Williams (2009) Controlling Japanese barberry (*Berberis thunbergii* DC.) in southern New England. *Forest Ecology and Management* 257: 561-566.
32. Ward J.S., S.C. Williams, and T.E. Worthley (2013) Comparing effectiveness and impacts of Japanese barberry (*Berberis thunbergii*) control treatments and herbivory on plant communities. *Invasive Plant Science and Management* 6: 459-469.
33. Ward, J.S. and S.C. Williams (2011) Controlling an invasive shrub, Japanese barberry (*Berberis thunbergii* DC), using directed heating with propane torches. *Natural Areas Journal* 31: 156-

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34. Williams S.C., J.S. Ward, T.E. Worthley and K.C. Stafford (2009) Managing Japanese barberry Ranunculales: Berberidaceae) infestations reduces blacklegged tick (Acari: Ixodidae) abundance and infection prevalence with *Borrelia burgdorferi* (Spirochaetales: Spirochaetaceae) Environmental Entomology 38: 977-984.
 35. Witmer, M.C. (1996) Annual diet of Decar Waxwings based on U.S. Biological Survey Records (1885-1950) compared to diet of American Robins: Contrasts in dietary patterns and natural
 36. Xu C.-Y., K.L. Griffin, W.S.F. Schuster (2007) Leaf phenology and seasonal variation of photosynthesis of invasive *Berberis thunbergii* (Japanese barberry) and two co-occurring native understory shrubs in a northeastern United States deciduous forest. Oecologia 154: 11-21.
 37. Xu C.-Y., W.S.F. Schuster, and K.L. Griffin (2007) Seasonal variation of temperature response of respiration in invasive *Berberis thunbergii* (Japanese barberry) and two co-occurring native understory shrubs in a northeastern US deciduous forest. Oecologia 153: 809-819.
 38. Lehrer JM, MH Brand, and JD Lubell (2006) Seedling populations produced by colored-leaf genotypes of Japanese barberry (*Berberis thunbergii* DC.) contain seedlings with green leaf
 39. Lehrer JM and MH Brand (2010) Purple-leaves Japanese barberry (var. *atropurpurea*) genotypes become visually indistinguishable from green-leaved genotypes (*Berberis thunbergii* DC.) at low light levels. J. Environ. Hort. 28: 187-189.