

## **Beale's Barberry or Mahonia**

**From:** Miller, James H. and Steve T. Manning. [working title] An Expanded Nonnative Invasive Plants of Southern Forests: A Field Guide for Identification and Control. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. DRAFT - August 2008

Beale's barberry (*Mahonia bealei*) is an evergreen shrub, erect and gangly or multi-stemmed up to 10 feet (3 m) in height and branching to 4 to 8 feet (1.2 to 2.4 m) wide from a pronounced rootcrown (with shallow roots). Leathery, odd-pinnately compound leaves radiate outward on long stalks from the stem with spiny, holly-like leaflets. Colonizes by basal sprouts and spreads by many bird dispersed seeds from ornamental and escaped plants. Seed from ripe fruit can immediately germinate.

### ***Recommended control procedures:***

- For stems too tall for foliar sprays, cut large stems and immediately treat the stumps with one of the following herbicides: Garlon 4, Garlon 3A or a glyphosate herbicide as a 25-percent solution (32 ounces per 1-gallon mix).
- Thoroughly wet all leaves with one of the following herbicides in water with a surfactant: A glyphosate herbicide or Garlon 3A as a 5-percent solution (20 ounces per 3-gallon mix) applied during the growing season above 70 degrees; apply Arsenal AC\* as a 0.13-percent solution (0.5 ounces per 3-gallon mix) or Arsenal Powerline\* as a 0.25-percent solution (1 ounce per 3-gallon mix) plus Accord as a 2-percent solution (8 ounces per 3-gallon mix) plus Escort\* at 0.8 dry ounces per 3-gallon mix in water. Spray as a low volume application to lightly wet leaves.

\* Nontarget plants may be killed or injured by root uptake