Narrowleaf bittercress

Cardamine impatiens



HABITAT:

Stream banks, moist woods and thickets

ECOLOGICAL IMPACTS:

 Seed pods burst open and project seeds to other areas which allows itself to create dense colonies, lowering diversity and quality of the habitat¹



- Flowers May July
- Fruits May September

MANAGEMENT:

- Pull small infestations at the base of the stem. Focus on eradicating stands of 2nd year plants in flower or fruit.
- Those with flowers and/or fruit should be bagged and disposed of to prevent spread of seeds
- Cutting flowering plants at the base will eradicate 99% of the plants and eliminate seed production²

Year 1 - rosette leaflet









Plant at a Glance:

- 1. **Leaf**: Year 1, pinnately compound, leaflets have rounded lobes Year 2, pinnately compound, leaflets are elliptical
- 2. **Flower**: Year 1, *does not flower**

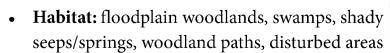
Year 2, clusters at top and at end of branching stems, white to green in color, four-petaled

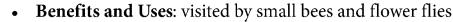
3. **Fruit:** Year 1, *does not fruit**Year 2, thin, straight pod, about 1 inch

*note: biennial life cycle

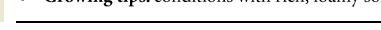
Native Alternative:

Pennsylvania bittercress, Cardamine pensylvanica





• **Growing tips:** conditions with rich, loamy soil



References: "Narrowleaf Bittercress." *Minnesota Department of Agriculture.* Minnesota Department of Agriculture, n.d. Web. 1 Aug. 2012. http://www.mda.state.mn.us/en/plants/badplants.

 $^2 Weber \ , Jill \ , and Sally \ Rooney. "Management Plans For Invasive Plant Species of Acadia National Park: Natural Resources Report." National Park Service U.S. Department of the Interior, n.d. Web. 1 Aug. 2012. https://www.nps.gov/nero/science/FINAL/ACAD_invasivemanagement/NRR-2007-018%20ACADred.pdf.$

Photos: *Minnesota Department of Agriculture.* Web. 9 Aug. 2012. http://www.mda.state.mn.us/plants/badplants/bittercress.aspx. , Mehrhoff, Leslies J. . *Flowers.* N.d. University of Connecticut , United States. *Forestry Images.* Web. 9 Aug. 2012. http://www.forestryimages.org/browse/detail.cfm?imgnum=5449232.

