

Stimulating *Orobanche ramosa* Seed Germination with an *Ascophyllum nodosum* Extract

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Algit Super[®], an extract of *Ascophyllum nodosum*, was found to be an effective stimulant for the germination of *Orobanche ramosa* seeds. The biological activity of Algit Super[®] was tested at a wide range of concentrations from 2.5 v/v to 1.2×10^{-3} v/v. The seed germination in all studied *O. ramosa* populations showed a concentration dependence, with an inhibitory effect at higher concentrations. The response of *O. ramosa* to Algit Super[®] resembled its response to the reference stimulant GR24. Various *O. ramosa* populations demonstrated differential response to the stimulant.

KEY WORDS: *Orobanche ramosa*; GR24; Algit Super[®]; suicidal germination; population variation; *Ascophyllum nodosum*.

Received May 14, 2006; accepted Feb. 27, 2007; <http://www.phytoparasitica.org> posting Aug. 5, 2007.

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