

Lamium galeobdolon 'Florentinum' (Yellow archangel) biology, distribution and control methods in Washington State

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Yellow archangel is an ornamental groundcover available in the nursery industry that spreads aggressively by rooting stolons. Populations are invading natural areas in Washington State and British Columbia. Additional information is needed about its potential spread and possible methods of eradication. Yellow archangel is currently a Class C weed on the King County Noxious List (listed in 2007).

Research Objectives

- Study seed production and germination requirements
- Measure vegetative growth under variable light conditions
- Locate and document populations in Washington State
- Study methods of control

Sampling of Research Methods

Seed Germination: Seeds are being tested under different temperatures in incubators.

Vegetative Growth Rate: I'm growing the plant under three different light conditions (open, 50% light and 25% light) and measuring seasonal and yearly growth.

Methods of Control: Methods tested are: weeding, cutting, cutting and mulching, cutting and newspaper and mulch. Test plots were monitored for one year and biomass of returning yellow archangel was weighed and will be evaluated.



Before and after cutting and mulch treatment

Research Status

Remaining experiments will be completed in summer and fall 2008.

Questions? Please email Wendy at wdescamp@u.washington.edu