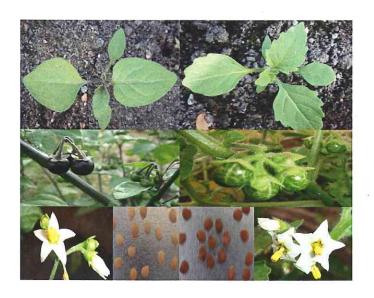


DOCTORAL THESIS NO. 2009:49 FACULTY OF NATURAL RESOURCE AND AGRICULTURAL SCIENCES

Seed Dormancy and Germination in Solanum nigrum and S. physalifolium as Influenced by Temperature Conditions

Alireza Taab



ACTA UNIVERSITATIS AGRICULTURAE SUECIAE

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Solanum nigrum L. (black nightshade) and S. physalifolium Rusby (hairy nightshade) are two important weeds in agriculture. Seed dormancy and germination characteristics of both species were studied both in experiments and by developing a simulation model. These characteristics enable the species to regulate their emergence timing, survival and adaptation to agricultural practice. This information can be used to improve management of the species.

Alireza Taab, carried out his PhD studies at the Department of Crop Production Ecology, SLU, Uppsala. His undergraduate degree is Master of Science in Weed Science from the University of Tehran, Iran.

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