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### Horticultural Science

Possibilities of pre-emergence and post-emergence herbicide applications in *Prunella vulgaris* L. growth

J. Neugebauerová, K. Petříková

Hort. Sci. (Prague), 31 (2004): 115-118

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Possibilities of herbicide applications to the self-heal (*Prunella vulgaris* L.) growth were tested in 1997–1998. Experiments showed that the application of pre-emergence herbicides in the *Prunella vulgaris* L. growth was efficient when 3 l/ha of herbicide with 500 g/lisoproturon as an active ingredient were used. Herbicide applications had no influence on the

emergence rate of direct seeding. Among the post-emergence herbicides it is possible to use glyphosate-IPA in 50% concentration by the wick applicator to *Elytrigia repens* (L.) Nevski. The results of these experiments can be used as a basis for testing the herbicide biological efficacy in the framework of minority indications for cultivated medicinal plants.

### Keywords:

*Prunella vulgaris* L.; *Lamiaceae*; pre-emergence herbicide; post-emergence herbicide; trifluralin; metobromuron; isoproturon; glyphosate-IPA; chloridazon; metolachlor; fluazifop-P-butyl; clopyralid

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