**Učinkovitost herbicidov za zatiranje novih invazivnih plevelov v posevkih soje**

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V poljskem poskusu smo v letu 2014 v posevku soje preučevali biotično učinkovitost herbicidov za zatiranje tujerodnih invazivnih plevelov. Poskus je bil zasnovan v bločni zasnovi z 9 obravnavanji (herbicidnimi programi) v štirih ponovitvah. Aplikacija herbicidov je bila izvedena z nahrbtno škropilnico na stisnjen zrak v dveh različnih terminih. Poraba škropilne brozge je znašala 350 l ha-1. Izvedeni sta bili dve ocenjevanji biotične učinkovitosti izbranih herbicidnih kombinacij na invazivne plevele iz rodov *Ambrosia*, *Amaranthus*, *Iva*, *Datura*, *Sida,* *Bidens*, *Solanum* in *Ipomea*. Prikazani so podatki o učinkovitosti posameznih mešanic herbicidov za zatiranje posameznih plevelov. S herbicidi, ki jih imamo v Sloveniji registrirane za uporabo v posevkih soje ni možno zagotoviti učinkovitega zatiranja preučevanih invazivnih vrst plevelov.

*ABSTRACT*

**The efficacy of herbicides in controlling new invasive weeds in soybean crops**

The biological efficacy of herbicides to control new non-native invasive weeds in soybean crops was studied in a field trial carried out during the 2014 season. The trial was designed as a randomized block design with 9 treatments (herbicide programmes) in four replications. The herbicides were applied in a spray volume of 350 l ha-1 by a knapsack sprayer powered by compressed air during two different soybean growth periods. Evaluations of herbicide efficacy for controlling weeds belonging to the genera *Ambrosia*, *Amaranthus*, *Iva*, *Datura*, *Sida*, *Bidens*, *Solanum* and *Ipomea* were done twice within a season. The efficacy data of individual herbicide mixtures for the control of individual weed species are presented. Herbicides registered for weed control in soybean crops in Slovenia do not provide reliable control of the studied invasive weeds.