

Utjecaj Fertilyl Starter na prinos soje *Glicine max* (L.) Merr i uljane repice *Brassica napus* (L.)

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Sažetak

Cilj pokusa je bio utvrditi učinak folijarne primjene Fertilyl Starter na prinos soje i uljane repice na dvije lokacije (Gornja Vrba i Jagodnjak) tijekom 2013. godini. Uzimajući u obzir rezultate kemijske analize tla gnojidba za soju obavljena je s 30 kg N /ha, 90 kg/ha P₂O₅ i 90 kg/ha K₂O i folijarno Fertilyl Starter u dozi od 3 l/ha. Gnojidba za uljanu repicu obavljena je s 123,50 kg/ha N, 40 kg/ha P₂O₅ i 60 kg/ha K₂O i folijarno Fertilyl Starter u dozi 3 l/ha. Fertilyl starter sadrži 13% N, 5% P, 8% K, 4% C, 6,1 % humiske kiseline te 0,9 % fulvo kiseline. Dobiveni rezultati pokazali su statistički opravdane razlike između ispitivanih kultura tretiranih Fertilyl Starter i kontrolne varijante. Primjenom Fertilyl Startera u fazi druge troliske soje ostvareno je prosječno povećanje prinosa za 10,25% s prosječnim sadržajem ulja većim za 4,8 % te hektolitarskom masom većom za 5,37%. Primjenom Fertilyl Startera pred formiranje cvjetnih pupova uljane repice ostvaren je veći prinos za 7,16 %, sadržaj ulja za 2,97%, sadržaj vlage u zrnu je bio manji za 3,26%, a urod ulja veći za 6,37%.

Ključne riječi: folijarna gnojidba, Fertilyl Starter, prinos, soja, uljana repica

Impact of use of Fertilactyl Starter on yield of soya bean *Glicine max.* (L.) Merr and oilseed rape *Brassica napus* (L.)

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Summary

The aim of the trial was to establish the effect of foliar application of Fertilactyl Starter on yield of soya bean and oilseed rape on 2 locations (Gornja Vrba and Jagodnjak). The trial was conducted in 2013. Based on the results of chemical analysis of soil the fertilization for soya bean was done by 30 kg of N/ha, 90 kg/ha of P₂O₅ and 90 kg/ha of K₂O and foliar the Fertilactyl Starter in dose of 3 l/ha. Fertilactyl starter contains 13% N, 5% P and 8% of K, 4% C, 6, 1% humic acid and 0,9 % fulvic acid. The results showed statistically significant differences in tested crops between treated with Fertilactyl Starter and control. Using Fertilactyl Starter in the phase of second trifoliolate leaf of soya bean it was achieved average increase of yield by 10,25% with average content of oil higher by 4,8 % and hectolitre mass higher by 5,37%. Using Fertilactyl Starter before formation of flower buds of oilseed rape it was achieved higher yield by 7,16% and higher oil content by 2,97% while the moisture content in grain was lower by 3,26% and yield of oil was higher by 6,37%.

Key words: foliar fertilisation, Fertilactyl Starter, yield, soya bean, oilseed rape