



Book of Abstracts

**III INTERNATIONAL SYMPOSIUM AND
XIX SCIENTIFIC CONFERENCE
OF AGRONOMISTS OF REPUBLIC OF SRPSKA**

*Trebinje, Bosnia and Herzegovina
March 25 - 28, 2014*



BOOK OF ABSTRACTS

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APPLICATION TECHNIQUES OF LIQUID STARTER FERTILIZER IN COMMERCIAL MAIZE PRODUCTION

Milan Dražić¹, Miloš Pajić¹, Dušan Radojičić¹, Kosta Gligorević¹, Ivan Zlatanović¹,
Zoran Dumanović²

¹ *University of Belgrade, Faculty of Agriculture, Zemun-Belgrade, Republic of Serbia*

² *Maize Research Institute "Zemun Polje", Zemun-Belgrade, Republic of Serbia*
mdrazic@agrif.bg.ac.rs

Conventional corn production involves the use of granular fertilizer which distribution is carried out with various types of fertilizer spreaders. As opposed to the conventional production, this research is conducted with the assumption that using a combination of granular and liquid starter fertilizers, and improved application techniques, achieve higher in grain yield. In this scientific paper, in addition to the use of conventional mineral fertilizers, investigated the impact of mechanized application of different norms of liquid starter fertilizer in the production of commercial maize. The application of liquid starter fertilizer was performed simultaneously with sowing, with the existing seeder, adapted with prototype machine for the application of liquid starting fertilizer. The results show that grain yield in areas where was applied a method of application starter fertilizer, increased by $1.43 \text{ t} \cdot \text{ha}^{-1}$ compared to the results obtained with conventional production.

Keywords: liquid starter fertilizers, mechanized applications, norms of fertilization, commercial maize yield.