



**INSTITUTE OF AGRICULTURAL ECONOMICS, BELGRADE, SERBIA**

# **SUSTAINABLE AGRICULTURE AND RURAL DEVELOPMENT III**

*Book of Abstracts*



**Belgrade, December 2022**

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## ***SUSTAINABLE AGRICULTURE AND RURAL DEVELOPMENT III***

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## ORGANIC SOYBEAN CULTIVATION WITH A SUSTAINABLE SYSTEM

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### Abstract

*The need for certified organic agricultural products is ever greater as in the World, so in Serbia. Triennial research was conducted with five soybean varieties and foliar treatment with aqueous extract and aminoacids aimed at establishing examined factors' influence on soybean yield and organic soybean cultivation system sustainability. A field experiment was set in four repetitions. All three examined factors have shown significant influence on soybean yield and that such a method of soybean cultivation is sustainable. However, in dry farming, soybean grain yield height is mostly influenced by weather conditions, primarily precipitation quantity and distribution, as well as temperature height during the vegetation period, hence yield height varies from year to year.*

**Key words:** *amino acids, organic cultivation, yield, soybean, aqueous extracts.*

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