

# BOOK OF ABSTRACTS

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IV INTERNATIONAL SYMPOSIUM FOR AGRICULTURE AND FOOD

**ISAF 2022**

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## IV INTERNATIONAL SYMPOSIUM FOR AGRICULTURE AND FOOD ISAF 2022

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celebrating 25th anniversary of AAEM  
9th Balkan Animal Sciences Conference BALNIMALCON 2022

IV МЕЃУНАРОДЕН СИМПОЗИУМ ЗА ЗЕМЈОДЕЛСТВО И ХРАНА ,  
40-та Средба Факултет-Стопанство  
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одбележување на 25 години постоење на ЗАЕМ  
9th Balkan Animal Sciences Conference BALNIMALCON 2022

Organized by the  
Faculty of Agricultural Sciences and Food - Skopje  
Ss. Cyril and Methodius University in Skopje

## BOOK OF ABSTRACTS

In this Book of Abstracts you will find more than 250 abstracts classified in 10 thematic sections. The abstracts are published in their original form as provided by the authors. Double-blinded review will apply for the submitted full papers following the Instructions for Authors available at the ISAF 2022 web site. Looking forward to receive your full papers.

On behalf of the Secretariat of the 4th International Symposium for Agriculture and Food - ISAF 2022,

Ivana Janeska Stamenkovska  
President of ISAF 2022 Secretariat

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## **ECONOMIC PRODUCTIVITY OF SPELT ON DEGRADED LAND**

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### **Abstract**

In the last forty years, about 30% of agricultural land has undergone degrading processes, especially in developed countries. Attempts are being made to repair or recultivate degraded soils, but the results in the world and in our country are mostly symbolic. The paper presents the results of testing the productivity of alternative cereals grown on degraded land at locality u Ilandza in 2020-21. The experiment was set up according to a random block system in four replications. The subject of research is the spelled Nirvana variety. Spelt, variety Nirvana was tested using standard agricultural techniques. During the vegetation period of plants, the most important morphologically productive parameters were monitored. The year 2020 was more favorable compared to 2021 for all examined parameters. The average values for the length of the classes were 8.5 cm. Average the length of the spikes was 8.5 cm. Values for plant height ranged from 148 cm (2021) to 158 cm (2020) while values for 100 g mass ranged from 46.73 g (2021) to 45.3 g (2020). In addition to the applied cultivation technology, climatic conditions are of great importance for spelled productivity.

*Keywords:* cereals, degraded land, spelled, productive traits



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