



UNIVERSITY OF AGRONOMIC SCIENCES
AND VETERINARY MEDICINE OF BUCHAREST

FACULTY OF AGRICULTURE



International Conference
"Agriculture for Life, Life for Agriculture"

BOOK OF ABSTRACTS

SECTION 1

AGRONOMY



2025
BUCHAREST

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21. EFFECTIVE INSECTICIDE APPLICATION TO PREVENT ECONOMIC LOSSES FOR UKRAINE CAUSED BY WESTERN CORN ROOTWORM (<i>Diabrotica virgifera virgifera</i> Le Conte) SPREADING - Svitlana HORNOVSKA, Mykola GRABOVSKYI, Yriy FEDORUK, Valerii KHAKHULA, Taras PANCHENKO, Igor POKOTYLO, Kateryna VELKYA, Oleksandr GORODETSKYI	246
22. ROMANIAN FARMERS PERCEPTION ABOUT POLLINATORS IMPORTANCE - Nicoleta ION, Adrian Gheorghe BĂȘA, Eliza CĂUIA, Viorel ION, Lenuța Iuliana EPURE	247
23. BIOACTIVE POTENTIAL OF SPENT <i>Rosa damascena</i> Mill. PETALS EXTRACT: ANTIOXIDANT AND ANTIMICROBIAL PROPERTIES - Nikolay KOLEV, Mihaela IVANOVA, Desislava VLAHOVA-VANGELOVA, Alexander BALABANOV, Yulian TUMBARSKI, Milena DIMITROVA-DICHEVA, Francesco VIZZARRI, Lubomir ONDRUSKA	248
24. EVALUATION OF THE INHIBITORY EFFECT OF ESSENTIAL OILS AGAINST <i>Fusarium sporotrichioides</i> ISOLATED FOR THE FIRST TIME FROM STRAWBERRY PLANTS IN ROMANIA - Maria-Cristina LUMÎNARE, Daniel-Nicolae COJANU, Lavinia-Diana-Nicoleta BUTURUGĂ BARBU, Oana-Alina BOIU-SICUIA, Stelica CRISTEA	249
25. EXPERIMENTAL RESEARCH FOR THE PROMOTION OF TECHNICAL EQUIPMENT FOR CLEARING MOUNDS AND FERTILIZING SOILS OCCUPIED BY GRASSLANDS - Eugen MARIN, Vasile MOCANU, Tudor-Adrian ENE, Dragoș MANEA, Laurențiu-Constantin VLĂDUȚOIU, Alexandru IONESCU, Gheorghe STROESCU	250
26. EXPERIMENTAL RESEARCH FOR PROMOTING A TECHNICAL EQUIPMENT FOR NARROW STRIP TILLAGE AND DIRECT SEEDING IN THE GRASS COVER OF A GRASS MIXTURE - Eugen MARIN, Vasile MOCANU, Tudor-Adrian ENE, Dragoș MANEA, Laurențiu-Constantin VLĂDUȚOIU, Alexandru IONESCU, Gheorghe STROESCU	251
27. METHODS FOR DETERMINING PROTEINS AND AMINO ACIDS AND THE IMPORTANCE OF THEIR USE FOR IDENTIFYING SUSTAINABLE SOURCES OF DIETARY PROTEINS. A REVIEW - Gheorghe MATEI, Alina Mădălina PLEȘOIANU, Lorena Diana POPA, Simona Florina ISTICIOAIA, Valentin Nicolae VLADUȚ	252
28. PARTICULARITIES REGARDING THE TENDING OPERATIONS IN FOREST SHELTERBELTS - Elena MIHĂILĂ, Mihăiță BÎTCĂ, Adrian TUDORA, Dorina DRĂGAN, Elena ACHIM, Any Mary PETRIȚAN	253
29. METHODOLOGY AND EVALUATION CRITERIA OF THE CONSERVATION STATUS OF GRASSLAND HABITATS OF COMMUNITY INTEREST IN ROMANIA - Simona MIHĂILESCU, Ioana VICOL, Marilena ONETE, Luiza-Silvia MIHAI, Tiberiu C. SAHLEAN	254
30. CONTRIBUTIONS TO THE STUDY OF <i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J. Presl & C. Presl GRASSLANDS FROM THE ORHEI NATIONAL PARK (REPUBLIC OF MOLDOVA) - Aliona MIRON, Alexandru GALUPA, Ludmila TALMACI, Victor ȚÎȚEL, Sergiu COȘMAN	255
31. POTENTIAL HABITAT PREDICTION FOR THE CURRENT DISTRIBUTION OF <i>Tozzia alpina</i> subsp. <i>carpathica</i> IN THE ROMANIAN CARPATHIANS - Georgiana-Roxana NICOARĂ, Florian-Paul BODESCU, Marilena ONETE, Simona MIHĂILESCU	256
32. STRUCTURAL AND FLORISTIC DIVERSITY OF THE SHRUBLANDS VEGETATION IN THE CĂPĂȚÂNII MOUNTAINS, ROMANIAN CARPATHIANS - Mariana NICULESCU	257
33. REGENERATION DYNAMICS OF THE BEECH FOREST IN THE UPPER BASIN OF THE NAIBA VALLEY, GODEANU MOUNTAINS - Mariana NICULESCU	258

**EFFECTIVE INSECTICIDE APPLICATION
TO PREVENT ECONOMIC LOSSES FOR UKRAINE
CAUSED BY WESTERN CORN ROOTWORM
(*Diabrotica virgifera virgifera* Le Conte) SPREADING**

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Abstract

*The first individuals of western corn rootworms (*Diabrotica virgifera virgifera* Le Conte) were noticed in the border zone of Transcarpathia region in 2001. These insect pests had inhabited only two regions of the country for a long period of time. However, the gradual spread of *Diabrotica* species from the places of the first detection to the South and West of Ukraine has been noticed recently. The main aim of the research is to study the spreading tendency of the western corn rootworms (WCR) in the Ukrainian forest-steppe zone and to create the preventative system for identifying insect pest localization and extermination. According to the research results, it has been determined that the population of insect pests is increasing every year. There is a plant-feeding insect adaptation due to corn cultivation increase, poor crop rotation and climate change. The research priority and relevance has been done on the basis of the interest in insect pest identification, studying of their biological spread peculiarities under the consideration of modern conditions and improving of the insect pest control preventative methods.*

Key words: *Diabrotica, crop rotation, insect, effective insecticide.*