

CONTENT

Nikolay Panayotov	
VIGOUR, VIGOUR TESTS AND SOWING POTENTIAL OF VEGETABLE SEEDS	7
Alena Andrejiová, Elka Kóňová, Nikolay Panayotov	
THE EFFECT OF CULTIVAR TYPE AND SOIL NUTRIENT SUPPLEMENTATION ON THE TOTAL POLYPHENOL CONTENT IN ONION (<i>ALLIUM CEPA</i> L.)	21
Galina Nikulushkina, Marina Larkina	
PECULIARITIES OF AMPELOGRAPHIC TRAITS OF THE TABLE GRAPES OF ANAPA'S ZESV&W BREEDING IN THE KRIULYANSKIY X CARDINAL COMBINATION	27
Alexander Dergunov, Sergey Lopin	
BIOCHEMICAL FEATURES OF WINE MATERIALS FROM WHITE HIGHLY ADAPTIVE VARIETIES OF GRAPES	33
Alexandr Zhukov, Stanislav Mikhailovsky	
VARIETIES AND FORMATIONS OF ROOTSTOCKS OF GRAPES OF THE ANAPA'S ZONAL EXPERIMENTAL STATION OF VITICULTURE AND WINE-MAKING	41
Alexei Lukyanov	
FACTORS CAUSING THE DEVELOPMENT OF WATER EROSION OF SOIL IN VINEYARDS	47
Maxim Nikolsky, Artyom Gryaznov, Karina Zhamova	
QUALITY ASSESSMENT OF GRAPE PLANTING MATERIAL	55
Maxim Nikolsky, Mikhail Pankin	
EFFECTS OF TRACE ELEMENTS ON THE ANATOMY AND REGENERATIVE ACTIVITY OF ANNUAL SHOOTS OF GRAPES	61
Vera Shestakova, Anna Kuznetsova	
STUDY OF THE ANATOMO-MORPHOLOGICAL AND BIOCHEMICAL PARAMETERS OF STABILITY OF FORMS OF <i>CERASUS</i> MILL. TO <i>COCCOMYCES HIEMALIS</i> HIGGENS	65
Valery Petrov, Maria Sundyreva, Natalia Nenko,	
Mikhail Pankin, Sergey Shcherbakov	
CHANGES IN PRODUCTION PROCESSES GRAPES FOR DIFFERENT DENSITY OF VINES	69
Valery Petrov, Sergey Shcherbakov, Aleksandr Kovalenko, Ekaterina Kurdenkova	
PHENOLOGICAL CHARACTERISTICS OF GRAPE VARIETIES OF <i>V. Vinifera</i> SPECIES, <i>Convar occidentalis</i> Negr. GROUP, IN THE ANNUAL CYCLE OF ONTOGENESIS	75
Kostadin Kostadinov, Galina Pevicharova, Stoyan Filipov, Krasimir Mihov	
INFLUENCE OF BIOLOGICAL FERTILIZATION ON THE FRUIT QUALITY OF GREENHOUSE TOMATOES	79
Juha Karvonen	
THE EFFECT OF COVERS ON THE VINEYARD SUBSOIL TEMPERATURE	87
Dimitar Guglev	
CUTTING ANGLE OF THE VERTICAL ROTARY SOIL TILLAGE UNIT WITH AN ACTIVE DRIVE	93
Martin Marinov, Petar Petrov, Stoyan Filipov	
NEED OF SUPPLEMENTARY LIGHTING IMPLEMENTATION IN BULGARIAN GREENHOUSES	101
Dimitar Zjapkov, Galia Hristova	
DETERMINATION OF SOME MECHANO-TECHNOLOGICAL CHARACTERISTICS OF GRASS MIX FOR TURF AND IT'S SEPARATE COMPONENTS	109
Georgi Komitov, Dimitar Kehajov	
STRUCTURAL AND TECHNOLOGICAL FEATURES OF MACHINES FOR BRIQUETTING OF TOBACCO RESIDUES	115
Sayakhat Nukeshev, Dimitar Karaivanov, Aigul Balabekova, Boris Gorbunov	
A DOSING DEVICE WITH A COMPENSATIVE CHAMBER FOR A FERTILIZER APPLYING MACHINE	123



Dzhadyger Eskhozhin, Dimitar Karaivanov, Ziyada Zhaksylykova BELT CONVEYOR FOR MINERAL FERTILIZER APPLYING MACHINE	129
Georgi Kornov, Aleksander Matev, Kouman Koumanov THE 'WATER-YIELD' RELATIONSHIP: MODELS CALIBRATION IN CASE OF RASPBERRY (<i>Rubus Idaeus</i>)	137
Ivan Mitkov, Ivan Ivanov, Manol Dallev COMPARATIVE ANALYSIS OF BIOMASS FUELS	143
Agnieszka Wrzochalska SELECTED SOME ASPECTS OF THE SOCIAL CHANGES IN THE RURAL AREAS IN POLAND AFTER THE EU ACCESSION	147
Michał Dudek, Bożena Karwat-Woźniak THE ROLE OF FARMERS' QUALIFICATIONS AND KNOWLEDGE IN THE STRUCTURAL CHANGES OF POLISH AGRICULTURE	157
Bożena Karwat-Woźniak, Michał Dudek LINKAGES OF FARMS WITH THE MARKET OF AGRICULTURAL PRODUCTS AFTER POLAND'S ACCESSION TO THE EUROPEAN UNION	167
Maria Varadinov, Cristina Dias, Nicolau de Almeida, Dimo Atanasov MANAGEMENT OF REVERSE LOGISTICS ACTIVITIES IN WINE AND OLIVE OIL PRODUCTION	177
Violeta Dirimanova, Marioara Rusu ANALYSIS OF AGRICULTURAL KNOWLEDGE AND INFORMATION SYSTEMS IN BULGARIA AND ROMANIA	187
Anna Zielińska-Chmielewska, Violeta Dirimanova USE OF POLISH DISCRIMINATION MODELS IN THE ASSESSMENT OF BANKRUPTCY RISK IN CHOSEN MEAT PROCESSING COMPANIES	193
Vasko Koprivlenski ECONOMIC PARAMETERS AND EFFICIENCY OF AN INVESTMENT MODEL FOR THE BUILDING OF A VINEYARD	199
Ivanka Lulcheva SERVICE QUALITY IN FOUR-STAR HOTELS IN BULGARIA – EVALUATION, ANALYSIS AND TRENDS	207
Ivan Kilimperov WINE TOURISM AS PART OF THE AGRITOURISM PRODUCT	213
Sunjae Choo, Marin Marinov, Diana Videnova KOREA'S, THE LAND AND PEOPLE	219
Toma Shishkov, Bisser Hristov IDENTIFICATION OF SOIL THREATS FROM THE SURVEY AREA IN THE ZLATITSA-PIRDOP VALLEY	247
Violina Angelova, Radka Ivanova, Zhivko Todorov, Krassimir Ivanov POTENTIAL OF SUNFLOWER (<i>HELIANTHUS ANNUUS</i> L.) FOR PHYTOREMEDIATION OF SOILS CONTAMINATED WITH HEAVY METALS	255
Rada Popova, Mima Todorova, Dimitar Kehayov STATISTICAL ANALYSIS OF SOME SOIL PARAMETERS FROM LUVISOILS IN THE REGION OF STARA ZAGORA	265
Asiya Ansabaeva, Nurlan Serekpaev, Vladislav Popov CONTENT OF THE HEAVY METALS COPPER AND ZINC IN AKMOLINSKOJ DISTRICT OF NORTHERN KAZAKHSTAN IN RELATION TO ZERO- AND TRADITIONAL GROWING TECHNOLOGY OF GRAIN-LEGUME CROPS	271
Ivanka Toromanova, Rada Popova, Tonia Georgieva ESTIMATE OF THE SOILS IN THE REGION OF SAEDINENIE – THE DISTRICT OF PLOVDIV FOR RICE GROWING	279