
SUMMARIES

Bazaliy V.V., Boichuk I.V. - Transgressive variability of soft winter wheat hybrids and its use in selection

The article features the principles of selection of winter wheat varieties based on using transgressive forms that determine the adaptive and productive potential of the crop. The principles indicated are the most evident in forms with high values of grain content in the ear and mass of 1000 grains.

Key words: transgression, variability, adaptability, productive potential, hybrid.

Averchev O.V. - The formation of millet production cost under the conditions of the agroameliorative field of rice crop rotation

The study considers the main expenditure elements that form millet production cost in the agroameliorative field of rice crop rotation. It presents a technology of millet cultivation under the conditions of rice crop rotation at the lowest production cost, which allows yielding a great economic effect.

Key words: millet, production cost, crop rotation, field.

Belenikhina A. V., Kostromitin V.M. - Millet productivity depending on basic soil tillage methods under the conditions of the eastern forest-steppe zone of Ukraine

The article summarizes the results of two-year research (2010- 2011) on the impact of basic soil tillage methods on the yielding capacity of millet depending on the preceding crops. It shows that after sugar beet as a preceding crop and under mouldboard soil tillage millet productivity was higher by 0.66-0.73 t/ha. After soybeans, the difference between basic soil tillage methods was not significant: 0.05-0.27 t/ha.

Key words: millet, basic soil tillage methods, preceding crops, yielding capacity.

Dragan M.I., Liubchych O.G. - Technological aspects of the optimization of soil density under field crops

The paper considers the importance of texture density of grey forest soil for field crops and establishes its relationship with their productivity. It provides an equation for determining the maximal acceptable arable layer compaction and proposes effective measures to regulate soil density.

Key words: agrotechnical practices, soil, field crops, productivity, density.

Kartashov S.G., Gorodets'kyi E.Yu., Dudka V.S., Moskalyuk A.A. - The impact of optimal soil density for different farm crops on their productivity

The study considers some examples of optimal soil packing depending on its types, and provides forms of furrows.

Key words: soil, soil density, grain productivity, soil packing.

Kokovikhin S.V., Donets' A.O., Shatalova V.V. - The efficiency of using winter rape cultivation technologies and their overall evaluation under the conditions of the southern Ukrainian steppe

The article presents the results of field tests of winter rape grown for green fodder and seeds aimed at determining the efficiency of mineral fertilization and chemical plant protection as well as the impact of those factors on rape productivity, quality and regressive dependencies. It shows a high economic and energy efficiency of agricultural practices optimization in growing the crop under study.

Key words: winter rape, fertilizers, plant protection, economic efficiency, energy efficiency coefficient, modeling.

Kochmars'kyi V.S. – Assessment of soft winter wheat samples of the world gene pool according to plant height and ear awnedness

The study examines plant height and ear awnedness of ecologically, geographically distant soft winter wheat samples of the world gene pool of varieties, lines, and hybrid forms from the international nurseries 1-8 WVEERYT, 8-15 FAWWON. It identifies regularities in the spread of certain winter wheat genotypes according to the characters under study in separate countries of the Northern Hemisphere.

Key words: winter wheat, initial material, plant height, awnedness.

Martyniuk I.V. – The cultivation of one-seeded fodder beet using intensive technologies

The study shows that under the conditions of Ukrainian forest-steppe zone it is expedient to grow second – year tubers of one – seeded fodder beet at the background of surface tillage, N120P90K150 and green manure fertilization (20 t/ha), and a seeding rate of 14-16 pcs/m. The highest seed productivity of one-seeded fodder beet was provided by the application of N120P90K150 and 60 t/ha of manure at the background of deep under – winter ploughing and a seeding rate of 6-8 pcs/m.

Key words: fodder beet, second-year tubers, seeding rates, productivity.

Mykhalenko I.V. - Economic and technological aspects of raising the competitiveness of corn seed production under irrigation in southern Ukraine

The article presents the results of research aimed at increasing the competitiveness of domestic producers of corn seeds due to the use of economic and technological factors under the conditions of the southern Ukrainian steppe.

Key words: corn seed production, irrigation, competitiveness, economic and technological factors.

Morozov R.V., Dudchenko V.V. - Strategic directions of the stable development of the rice production industry

The article analyzes the current state and challenges for the development of rice production in Ukraine. It identifies priority aims of the industry's development and substantiates the main structural tasks and a range of measures for the achievement of the stable progressive ecological, economic and social development of the rice production industry.

Key words: agricultural economics, strategy, stable development, rice production.

Novyts'kyi G.I., Noskova O.Yu., Storchak M.V. - Ecologically safe measures to destroy quarantine weeds of alfalfa

The article considers measures to control dodder and Russian sweet sultan - quarantine weeds of alfalfa. The experiment was designed to study ecologically safe practices of dodder control in alfalfa crop. The improved technology allows providing alfalfa seeds of high seeding condition under minimal costs.

Key words: dodder, alfalfa, soil, seed, technology improvement, cleaning.

Orlyuk A.P. - Genotypic correlations between productivity and component characters of soft winter wheat under different environmental conditions

The study shows that pair and partial genotypic correlations between productivity and component characters of winter wheat increase in the years with unfavorable weather conditions, and decrease in favorable years and on irrigated plots.

Key words: genotype, correlation, variability, productivity, character, irrigation.

Ryabinina N.P. - Productivity of seedling tomatoes depending on basic soil tillage methods and depth and nutrition background under drip irrigation in southern Ukraine

The article considers the problems of the formation of seedling tomato productivity depending on basic soil tillage methods and depth, and estimated fertilization rates. It identifies major technological elements of tomato cultivation that contribute to high productivity formation.

Key words: seedling tomato, drip irrigation, basic soil tillage method, tillage depth, nutrition background, productivity.

Ushkarenko V.O., Petrova K.V., Novak O.L. – Table beet productivity depending on the elements of agronomic practices under irrigation in the southern steppe zone

The paper provides data on the productivity of table beet as a post-harvest and stubble crop depending on the pre-sowing and mineral nutrition background, as well as on plant stand.

Key words: table beet, mineral nutrition background, sowing time, plant stand.

Ushkarenko V.O., Shevchenko I.V., Mynkin M.V. - The current state of commercial viticulture in Ukraine and prospects for its development

The article analyzes the current state of commercial viticulture in Ukraine and proposes innovative models of establishing highly productive commercial vineyards.

Key words: grapes, crisis, cultivation technology, soil tillage, varieties, fertilizers, training of specialists.

Fedorchuk M.I., Makukha N.A., Makukha O.V. - Major problems of pest control in common fennel crop and ways of their solving

The article identifies major problems of the phytosanitary monitoring of pest numbers in common fennel crop. It describes the species composition of pests, analyzes their harm-causing activity and association with common fennel phenophases, and proposes measures to protect the crop taking into account specific features of fennel.

Key words: common fennel, integrated control system, pests, diseases, entomophag, phytosanitary monitoring, economic threshold of harm, pesticides.

Shevchenko I.V., Mynkin M.V., Mynkina G.O. - Efficiency of different methods of weed control in commercial vineyards

The article looks at the results of many-year research on the methods of weed control in commercial vineyards, including the application of ground herbicides new in viticulture. It shows that ground herbicides decrease weed numbers at the most important stages of grapevine development. The application of a new generation of herbicides reduces financial and energy cost of vineyard management.

Key words: grapes, cultivation technology, weeds, herbicides, efficiency.

Yarchuk I.I., Bozhko V.Yu., Kostoglod S.V. - Specific features of the overwintering of winter barley during the winter of 2009-2010

The article describes specific features of winter hardiness formation in winter barley in 2009-2010. It determines optimal seeding time and identifies the most productive varieties of winter barley.

Key words: winter barley, varieties, seeding time, winter hardiness.

Archangels'ka M. V., Ivanov V.O., Patreva L.S., Shevchenko T.V. - Meat quality of ducklings raised in even-weight groups

The study reveals a positive impact of raising ducklings in even-weight groups, which allows improving the main meat quality characteristics.

Key words: ducklings, raising, meat quality.

Voloshchuk V.M., Maksymenko O.O. – The effect of a loose summer pasture housing system on the chemical composition of muscle tissue in pigs

The study shows the impact of a loose summer pasture housing system on the chemical composition of the muscle tissue of Big White and Landrace pigs. It provides data on the content of proteins, fats, carbohydrates, mineral substances and amino acids in the muscle tissue of pigs depending on paratypical and genotypic factors.

Key words: pigs, young generation, housing system, chemical composition, muscle tissue.

Debrov V.V., Zalitsayeva A. V. - Mathematical models in assessing the growth and prediction of live weight in egg crosses

The article considers theoretical and applied aspects of using different mathematical models for the description and prediction of live weight in egg crosses in the productive period.

The study shows that the McNelly model most adequately describes live weight dynamics of adult poultry, and recommends to use this model in developing and implementing selection programs for breeding and improving new highly productive lines and crosses.

Key words: growth, development, mathematical model, empirical and theoretical live weight, growth rate curves.

Ivanov V.O., Voloshchuk V.M., Maksymenko O.O. - A summer grazing camp for young replacement pigs

The study shows the effect of a summer grazing camp on the growth of young replacement hybrid pigs. It provides data on the design of the summer camp, rearing modes and specifics of the behavior of pigs.

Key words: pigs, young generation, housing system, water exercise, behavior, productivity.

Omel'chuk V.I. - The deposition of feed nitrogen in the body of gilts and their meat characteristics in different combinations of Big Whites and Durocs.

The article analyzes the indices of meatiness and feed nitrogen deposition in the body of gilts under study under different methods of breeding and crossing Durocs and Big Whites.

Key words: meatiness, nitrogen, inbreeding, crossing, Danish standard.

Moroz A.S. - Reproductive characters of Tsygay sheep, Crimean type

The article describes the reproductive ability of the Crimean type of Tsygay sheep on the pedigree farm *Chornomors'ke*. It shows that they have a fairly high reproductive potential that depends on a number of factors including sperm quality of rams-sires and the age of ewes.

Key words: Tsygay sheep, sperm quality, insemination ability, fecundity, survival rate.

Chernyshov I.V., Rodionov Y.O. – Specific features of the growth of piglets of different genotypes depending on their location at the teats

The article focuses on the results of studying the dynamics of growth and development of young pigs of different genotypes depending on their location at the teats in the suckling period. In all distribution classes, young males suckling at the anterior teats had a higher index of growth evenness; a similar dependence was observed in young Big White females.

Key words: pig genotypes, location of piglets at the teats, live weight dynamics, growth intensity.

Kotenko S.V., Druzyak V.G., Kononenko I.V. - Methodological approaches to the optimization of agricultural land use

The study elaborates methodological and procedure approaches to the optimization of agricultural land use taking into account a wide range of parameters.

Key words: optimization, geoinformation systems, databases

Morozov V.V., Pysarenko P.V., Suzdal' O.S, Bulyguin D.O. - The efficiency of water consumption by new soybean varieties depending on moisture supply conditions

The article presents the results of research on the efficiency of water use by new soybean varieties *Danaya* and *Arata* depending on moistening conditions.

Key words: water use efficiency, aggregate water consumption, soybean varieties *Danaya*, *Arata*.

Adamen' A.F. - Rivers of the southern coast of the Crimea and their role in the water supply of park biocenoses

The article examines the rivers of the southern coast of the Crimean peninsula and their role in the water supply of park biocenoses. It considers water scarcity problems and ways of their solving.

Key words: river, Crimea, water supply, biocenosis.

Buzevych I.Yu. - Biological characteristics of wild carp (*CYPRINUS CARPIO L.*) populations of the Kakhovka reservoir

The article presents data on the main characteristics of the condition of wild carp populations in the Kakhovka reservoir. It analyzes the dynamics of age structure, the catch per unit of control fishing gear effort, determines linear and weight growth indices, and estimates mortality rates. It shows that the living conditions of wild carp in the Kakhovka reservoir can be considered as favorable.

Key words: *Cyprinus carpio L.*, Kakhovka reservoir, population structure, commercial use.

Mukhina I.A., Smolienko N.D. - Social foundations of nature management

The article identifies typical social characteristics that affect the environment.

It shows that active nature management is related to dramatic stages of the development of the ethnosystem, especially to the dominance of materialistic values. A low level of nature management due to low population numbers and dominance of religious values characterize the initial period of landscape utilization.

In the last two periods of ethnogenesis, the level of resource utilization is the lowest due to the lack of resources and decreased activity of the members of the ethnosystem.

Key words: ethnosystem activity, ethnosystem's life cycle, ethnogenesis, passionarity, level of passionarity energy, nature management, resource consumption, socium, types of aspirations of individuals.

Olifirenko V.V. - The ecology of fish helminthes in the Dnieper-Bug estuary

The study considers qualitative and quantitative differences in the helminthofauna of the Dnieper-Bug estuary.

Key words: helminthofauna, ecological features, commercial fish.

Petrova O.O. – Problems and prospects of nature protection financing

The article considers the problems and shortcomings of the current system of nature management financing in Ukraine. It identifies the directions of the economic policy of Ukraine in the sphere of environmental protection, examines economic tools of ecological management and determines sources of nature protection financing.

Key words: nature protection financing, economic tools, economic mechanism of nature management, pollution penalty, taxes.

Serbov N. G. - A search for optimum economic solutions on the basis of normative and predictive hydrological information: methodical approaches and economic evaluation

The issues of economic substantiation for optimum economic solutions are under study on the basis of hydrologic and economic calculations with the use of normative and predictive information. Cases for optimization calculations are presented with the use of Bayes Strategy.

Key words: optimum economic solution, hydrologic and economic calculations, Bayes Strategy.

Bardash S.V. – Certain aspects of internal control with the application of computer information technologies

The article examines control functions of computer systems of accounting and identifies directions of internal control of separate aspects of the functioning of the

computer information system of an enterprise. It shows that computer-based internal control contributes to better data protection, productivity, and efficiency.

Key words: internal control, computer-based system of accounting, computer information system of an enterprise.

Bardash S.V. Osadcha T.S. – The concept of control process improvement: a risk-oriented approach

The study considers the essence of risks in microeconomic system management and the possibility and specific features of taking a risk-oriented approach to control. It shows that this approach aimed at the planning of control measures and based on the assumption of violations in the economic system will help to identify individual risk zones, to select the most effective forms of their control and risk minimization as well as to work out recommendations for their prevention.

Key words: risks in management, risk-oriented control, risk management.

Botvina N.O. - Criteria and indicators of financial policy in the agricultural sector of economy

The study looks at the theoretical, methodological and practical aspects of using the criteria and indicators of financial policy for ensuring a stable development of the agricultural sector of Ukraine. It monitors the current problems in the framework of modern economic science and existing economic imbalances, and outlines a system of criteria and indicators of financial policy for ensuring a stable development of the agricultural sector of Ukraine.

Key words: indicators, financial policy, agricultural sector, natural and technogenic factors.

Burova O.M. - Specific features of the process of agrimarketing system formation in enterprises of the agro-industrial complex

The article investigates theoretical approaches to the definition of the agrimarketing concept. It identifies and analyzes problems in the industry and specific features of marketing in enterprises of the agro-industrial complex.

Key words: agricultural marketing, agribusiness marketing, agro-industrial marketing, enterprises of the agro-industrial complex.

Gonchars'kyi I.L. - Globalization and its impact on agribusiness efficiency in Ukraine

The study addresses current global influences on the efficiency of agribusiness performance.

Key words: globalization, efficiency, economic growth, property right, information technologies.

Dudchenko V.V., Dyachenko K.S., Chekamova O.I., Morozov R.V. – The current state of the market and prospects for the development of the rice market in Ukraine

The article analyzes some peculiarities of the functioning of the market of rice and processed products. It considers the current state of the market and prospects for rice market development. Special emphasis is laid on the issues of efficient functioning of the industry in the sphere of rice processing and sales.

Key words: rice production, rice, peeled rice, processing.

Izotova Z.O. - The structure and mechanism of the realization of the economic potential of grain quality

The article proposes a definition and substantiates the essence and content of the concept *economic potential of grain quality*. It shows the place of the economic potential in the system of quality control in a grain-producing enterprise. The study also analyzes structure-forming links between the components of the economic potential of grain quality and presents a mechanism of their interaction.

Key words: potential, quality control, grain, enterprise, mechanism.

Kovalyov V.V. – World experience of enterprise value appraisal

The article examines the application of world experience of enterprise value appraisal in such countries as Great Britain, Germany, USA. It describes the main methods for conducting the appraisal of the value of enterprises.

Key words: appraisal, value, method and technique, appraiser, standard.

Lebedev K.A. - Prediction of the balance of interests of the parties when improving the mechanism of government support for enterprises of the grain-food subcomplex

The article elaborates the mechanisms of soft crediting of grain production, works out an integrated approach to the problem of examining and improving soft crediting of grain-producing businesses, and makes an aggregate assessment of the proposed measures of government regulation of the grain production sector.

Key words: mechanism, crediting, grain production subcomplex, government regulation, benefits, balance.

Mynkina G.O. - Prospects for the development of property insurance in Ukraine in the period of economic transformations

The article reveals the current state of property insurance and prospects of its development in Ukraine in the period of the country's integration in the European Union. It proposes ways of establishing and regulating property insurance markets, considers the problems of government regulation and foreign experience of competitive insurance market functioning.

Key words: property insurance, insurance company, insurer, insurance contract, insurer marketing, risk management.

Morozov R.V. - Government regulation and support of the rice production industry development in Ukraine

Based on the system approach, the article explores the question of government regulation and support of the rice production industry development in Ukraine. It focuses on the main aspects and features of the current government policy of support of agricultural production. It considers methodological approaches to the development of regional programs for the support of the rice production industry.

Key words: agricultural economics, rice production, government regulation, policy of support.

Morozova O.G. - Information economy as the environment for the economic activity of a company

The article considers the issue of the functioning of information economy as the environment for the economic activity of a company. It focuses on the foundation

principles of the theory of information economy and highlights specific features and role of information in the economic development.

Key words: economic theory, information economy, information, company, modification.

Mokhnenko A.S. - The system of formation and making managerial decisions in production under the conditions of risks and uncertainty

The article proposes a conceptual pattern of the formation of managerial decision making (MDM) in agribusinesses on the basis of factor analysis in the area of agro-economic management. It takes into account risks and interactions specific for the the MDM subsystem and other (internal and external) subsystems of the agro-industrial complex.

Key words: farmer, farms, agriculture, agricultural economics, risk.

Novikov O.Y. - Social and economic essence and regularities of the formation of transformation processes in the agricultural sector of economy

The article reveals social and economic essence of transformation processes and substantiates regularities of their formation in the agricultural sector of economy.

Key words: regularities, transformation processes, agricultural sector, production, formation.

Oleksenko S.V. - Theoretical approaches to the definition of competition

The study reveals the main theoretical approaches to the definition of competition. It explores etymological aspects of competition and general theories of competition of the main scientific schools.

Key words: competition, competition theories, market, production factors, competitiveness.

Peleshko I.Yu. - Synergetic effect as the main motivation of integrated interaction

The study considers the significance of a synergetic effect observed as a result of the integrated interaction. The article systematizes different approaches to determining the synergetic effect in the process of establishing integrated formations.

Key words: synergy, synergetic effect, integration, agribusiness.

Pelykh I.V. - Personified data accounting in the system of obligatory national retirement insurance

The article describes personified data accounting in the system of the obligatory national retirement insurance and determines its role and place in the system of retirement insurance.

Key words: personified accounting, insurant, insurer, personal record card, retirement insurance, insurance premium, obligatory national insurance.

Podakov Y.S. - Lines of marketing activity in the period of grain seed market formation in the Kherson region

The article addresses the problems of seed market formation and outlines the directions of the marketing activity at the grain seed market.

Key words: marketing, seed market, grain crops, market formation, production.

Potravka L.O. - Gnoceological origins of the theory of structural transformations

The article examines theoretical foundations of structural transformations in Ukraine's economy. It considers major approaches to the transformation process, shifts and formations. The study also substantiates the use of advanced theoretical theories in the process of the organization of the transformation process in the economy of Ukraine.

Key words: transformation, national economy, transformation shifts.

Rudik N.M., Rudik V.O. - Analysis of the investment attractiveness of the Kherson region

The article highlights major aspects of the state of investment activity in the region, analyzes the dynamics of investment indices and sources, evaluates regional investment attractiveness, and outlines conditions favorable for profitable investment.

Key words: investments, investments volume, investment sources, investment attractiveness, investment indices.

Rusnak A.V. – A program-oriented approach to the management of rural territories

The article examines the main problems of taking a program-oriented approach to the government control of the development of rural territories. It substantiates organizing prerequisites, principles and stages of elaborating government purpose-oriented programs of the development of rural territories.

Key words: rural territories, integrated development, program-oriented approach, purpose-oriented integrated program, government control.

Samaychuk S.I. - The current state and trends in the development of grain production in agricultural enterprises of the Kherson region

The article analyzes the state and economic efficiency of grain production and sales in agricultural enterprises of the Kherson region according to the main forms of management, and examines the dynamics of major indices and trends in crop productivity changes. It identifies regularities in efficiency formation and factors which influence its level. The paper elaborates and substantiates proposals as to the main directions of increasing grain production and enhancing its efficiency.

Key words: production efficiency, gross product, agricultural enterprises, individual farms, intensive technologies, grain market, sales channel, product marketability, profitability, profit, prime cost, sale price, government regulation.

Serheyeva Yu.A. - Competitive situation at the market of alcoholic drinks in Ukraine

The article analyzes the main problems of the market of alcoholic beverages, production volume in Ukraine, internal sales volume, production structure, and import and export shares.

The research results show that the consumer's behavior is influenced by the following: psychological and personality factors; situational, socio-cultural factors; marketing complex; esthetic factors; economic acceptance of a purchase; prestige; competence; purchasing ability.

Key words: marketing research, consumers, likings, trademarks positioning, competitive situation, brand, branding, premium-class, merchandizing.

Silets'ka N. V. – Inflation processes in Ukraine and ways of their overcoming

The article explores the causes of inflation processes, describes inflation types, and proposes measures to overcome the crisis.

Key words: inflation, price index, inflation rate, money supply, budget, позика, deposit.

Smetanko O.V. – Approaches to the development of standards for recording the work of internal auditors in joint-stock companies in Ukraine

The study addresses the problems of the development and introduction of the standard for documenting the work of internal auditors into the practice of internal audit services (IAS).

Key words: internal audit, internal audit service, internal auditor's working document, internal audit standard, audit risk, audit conclusion.

Solovyova N.I. - Predictive substantiation of an investment project: a simulation approach

The article presents an algorithm of a combined prognosis that allows comparing extrapolation and heuristic characteristics of an investment project within the system of financial prediction. It shows that the simulation modeling method helps to form the role of basic factors according to different scenarios of the development of the investment project.

Key words: investment risks, simulation models, investment project, system of financial prediction.

Stefanyuk S.V., Marmul L.O. – Rural labor market formation

The article addresses the current problems of the agricultural sector of Ukraine's economy and identifies the main causes (financial, demographic, social and economic) of the crisis in the agro-industrial complex. It outlines some ways of resolving the problem.

Key words: labor market, rural territories, agro-industrial complex.

Fedorova T.V., Danelyuk K.M. - Analysis of Ukraine's competitiveness according to the index of macroeconomic stability

The article examines the problem of raising the competitiveness of Ukraine in the light of macroeconomic stability.

Key words: competitiveness, index of global competitiveness, macroeconomic stability, national debt, national savings.

Baviko O.Y. - The integration component of regional strategic development

The article addresses methodological foundations of the control system of socio-economic development of a region based on the combination of market mechanisms, dispersed knowledge, and moral and cultural values. It shows that the current development of organizational formations is characterized by the transition from system-mechanical to system-tectological understanding in which efficient regional development is to include conjugative integration.

Key words: regional strategic development, management methodology, tectology, conjugative integration, dispersed knowledge, moral and cultural values.

Shevchenko V. Yu., Rachkovs'kyi A. V. - On the question of practical training of students in the field of hydrobioresources and aquaculture at the Kherson State Agricultural University

The article considers a range of issues as to the possibility of launching a practical course of training students for acquiring professional skills in the field of hydrobioresources and aquaculture. It outlines advantages of the system of affiliated branches of the department in the industry and describes the experience of establishing such branches.

Key words: students, aquaculture, training, system, department.

Kovalenko S.A., Krinitsyn V.V., Mikheyev Y.K. - Applied aspects of creating the information system of technological decision making *P.1 Primary organization of information provision*

The paper examines applied aspects of information organization taking as an example research into the relationship between soil tillage methods and basic parameters of soil fertility. The study is the realization of the first stage in creating automated systems of managing plant cultivation technologies.

Key words: systems, models, management, fertility, soil, tillage, parameters, information, solution, technology.
