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## SUMMARIES

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**Bazalii V.V., Naidionova V.A., Vozhehova R.A., Morozov O.V., Maliarchuk N.P., Bidnyna I.O., Morozov V.V. Analysis of cropping patterns and crop rotation systems on the irrigated lands of the Kherson region**

The paper presents the results of studying the structure of sown areas on irrigated lands in the Kherson region. It states the fact of inefficient crop rotations and shows that inadequate rates of mineral and organic fertilizers do not provide the restoration of irrigated soil fertility. Data analysis of the state agricultural and research company Askaniiskoie affiliated to the National Academy of Agricultural Sciences (NAAS) where for 25 years (1986-2010) optimum ratios of crops in crop rotations have been observed indicates the possibility of obtaining estimated crop yields based on high humus content and increased amounts of major nutrients in the soil, and proper ecological and agromeliorative condition of irrigated lands.

**Keywords:** irrigated land, structure of sown areas, soil fertility.

**Averchev O.V. Dynamics of buckwheat and millet production in the Kherson region**

The article features the dynamics of buckwheat and millet growing, their productivity, area and gross output. It analyzes sales and economic efficiency of buckwheat and millet production in the Kherson region.

**Keywords:** dynamics, productivity, area, buckwheat, millet, net profit, profit, profitability level.

**Belenikhina A.V., Kostromitin V.M., Sheliakina T.A., Zhyzhka N.G. Features of forming the productivity and quality of millet varieties depending on seasonal conditions and nutrition background in the eastern part of the forest-steppe of Ukraine**

Three-year-long studies (2010-2012) determined the features of forming the productivity and quality of millet varieties grown after sugar beet depending on seasonal weather conditions and nutrition background. They show that among millet varieties, Vitrylo formed the highest productivity - 3.07 t/ha. The most complete realization of millet varieties potential (2.62-3.57 t/ha) was at the background of the aftereffect of 30 t/ha manure + N<sub>60</sub>P<sub>60</sub>K<sub>60</sub>. Fertilization promoted protein content increase in millet grain by 0.3-0.6 %, whereas the amount of carotenoids did not change significantly.

**Keywords:** millet, variety, year, nutrition background, productivity, protein content, carotenoid content.

**Bondar T.M. Selection of the best lines produced as a result of self-pollination of sisterly corn hybrids of Iodent germplasm**

The article provides the results of research (2011 – 2013) on testcrosses of S<sub>3</sub> – S<sub>5</sub> lines obtained from selfpollinated sisterly simple hybrids (SC) of Iodent

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germplasm, and determines their total (TCA) and specific (SCA) combining ability. It specifies lines with positive TCA values over 3 years.

**Keywords:** corn (*Zea mays* L.), source material, Iodent plasma, selection, sisterly hybrid.

**Vasylenko N.E. The study and evaluation of selecting Nizhynskyi cucumber variety in collection nurseries and seed production analysis**

Cucumber is a widely consumed product of high palatability both fresh and pickled. The correct proportion of different varieties allows getting high yields of high-quality cucumber in different seasons of the year.

Currently, there is a question of getting high yields of this vegetable crop at a relatively low energy cost. Increases in cucumber yield largely depend on the proportion of female flowers in plants.

**Keywords:** cucumber, hybridization, selection, variety, hybrid, female lines.

**Dudchenko V.V., Morozov R.V., Marushchak H.M., Vozhehov S.H., Diachenko K.S., Chekamova E.I. Diversification of rice production and processing as a promising direction of forming the competitiveness of the rice production industry in Ukraine**

The paper substantiates conceptual approaches to the formation of product competitiveness of the rice production industry in Ukraine. It proposes measures to diversify production in the direction of paddy processing and by-product utilization.

**Keywords:** product competitiveness, rice production, rice, rice processing.

**Zhuikov O.H. Mustard market in Ukraine: state, problems, prospects**

The article presents the results of the analytical review of home market of mustard seed and mustard raw materials (oil, mill cake, powder). It outlines major agrotechnological, economic and utility prerequisites of expanding the sown areas under Chinese, white and black mustard in Ukraine; identifies the most substantial factors hindering mustard seed production in the country; analyzes foreign experience of mustard growing.

**Keywords:** Chinese, white and black mustard; sown areas; productivity; gross output, oil percentage; mustard oil, mill cake, powder; export.

**Zavertaliuk O.V. The effect of planting dates and weed control methods on cob productivity of sweet corn**

The paper shows the advantage of optimum sowing time of sweet corn hybrid Spokusa as compared with its early planting. It provides data on the effect of the factors under study on biometrics, weediness of crops and cob productivity.

**Keywords:** sweet corn, sowing time, weeds, productivity.

**Karapira S.I., Mishyn S.M., Kohut I.M. Productivity of simple and three-way cross hybrids of sunflower with high drought resistance potential**

The study of promising simple and three-way interline hybrids of sunflower bred at Selection and Genetics Institute of NAAS determined specific features of the formation of structural elements of yield, oil percentage and seed production depending on the duration of the growing season. The best hybrids by a number of

characters were: among simple interline hybrids - Od 5545 × OC1019B, and among three-way hybrids - (5750 × 5390) × 1019B and (5890 × 5370) × 1011.

**Keywords:** interline hybrids, three-way cross hybrids, sunflower, structural components, oil percentage.

**Makukha O.V., Fedorchuk M.I. The effect of agricultural practices on qualitative characteristics of fennel seeds in Southern Ukraine**

The article presents the results of studying the effect of nutrition background, planting dates, interrow spacing on essential oil content in fennel seeds and its yield per 1 ha of crop when grown in arid conditions of southern Ukraine. The most favorable conditions for the accumulation of essential oil in seeds were created under N<sub>60</sub> fertilization, early spring planting in late March, and 45 cm interrow spacings.

**Keywords:** fennel, essential oil content in seeds, essential oil yield, nutrition background, sowing date, interrow spacing.

**Markovska O.E. Effectiveness of tank mixtures of herbicides and plant growth regulators in winter wheat crops in the southern Ukrainian steppe**

The study shows that the application of the immunoregulator MIR in a tank mixture with recommended herbicides late in the third stage of winter wheat organogenesis is an expedient and cost-effective element of modern technology of cereal crop cultivation. An increase in grain yield of wheat is 7.1-12.6%, weediness decrease being 91.6-95.8%.

**Keywords:** tank mix, immunoregulator MIR, Granstar Gold 75, Dianat, Logran 75

**Mikheiev E.K. Precision agriculture - innovative approach. Part 1: Decision support system as a component of precision farming (PFC).**

The article considers the problems of structural organization and applied use in precision agriculture of a decision support system (DSS) as its main intellectual component. In this case a modular approach proved to be effective, which makes the decision support system more convenient and increases its operational capabilities, while the accompanying mathematical model of the system allows monitoring the possibility of risks and cost-effectiveness.

**Keywords:** algorithm, model, module, systems, pattern, GPS-receiver, mode.

**Okselenko O.M. The effect of seed treatment using microfertilizer and protectant on the formation of sugar corn yield at different sowing dates**

The study determines the effect of sowing time and seed treatment of sugar corn hybrids Spokusa and Kabanets CB with a microfertilizer and protectant on biometric indices, individual productivity, and yield.

**Keywords:** hybrid, sweet corn, maturiy group, sowing time, seed treatment, Vitavax, Reacom, tank mix, individual productivity, yield.

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**Pokoptseva L.A. The impact of pre-sowing seed treatment on the productivity of sunflower in the Ukrainian steppe**

The article features the results of research on the effect of the growth regulator AKM and fungicide Derozan on sunflower productivity. It shows that seed treatment increases phytomass and yielding capacity of the sunflower variety Chumak.

**Keywords:** sunflower, plant growth regulator, pre-sowing seed treatment, yield structure.

**Stepanova I.M. The impact of agrotechnical practices on carotene content in fruits of seed tomato in southern Ukraine**

The paper provides the results of studies on the impact of varietal characteristics of tomatoes, irrigation and plant density on the accumulation of carotene in fruits of seed tomato grown on dark chestnut soils in Southern Ukraine.

**Keywords:** tomato, variety, irrigation, plant density, carotene.

**Teriokhina L.A. Improving the process of red beet seed production**

The article presents an improved method for obtaining basic and prebasic seeds of red beet having conically shaped roots. In the process of initial individual selection of roots it is proposed to use one third of their lower part for assessing the genotype for resistance against diseases and betanin content. The upper parts of the roots selected by a complex of traits are planted for further seed production. Then seed plants in the progeny are grouped into a family by their architectonics. The procedure reduces prebasic seed cultivation time by three years. The method developed allows preserving valuable economic and morphological characteristics of varieties and improving seed quality indices.

**Keywords:** vegetable growing, seed production, red beet, basic and prebasic seeds.

**Ushkarenko V.O., Tishchenko A.P., Kokovikhin S.V. The relationship between gross evaporation values of different agricultural crops**

The article presents the results of research on identifying analytical relationships between gross evaporation values in different agricultural crops on the basis of experimental tests using hydraulic soil balance meters on the irrigated lands of Crimea.

**Keywords:** winter wheat, corn, alfalfa, gross evaporation, irrigation, hydraulic soil balance meter.

**Filipov E.H. Economic evaluation of the technological elements of irrigated *Carthamus tinctorius* cultivation in southern Ukraine**

The article provides the results of research on the effect of agrotechnical practices on the economic efficiency of the elements of technology of growing *Carthamus tinctorius* under irrigation in southern Ukraine. It shows the efficiency of ploughing at a depth of 20-22 cm, interrow spaces of 30 cm, early sowing, and mineral fertilization at a dose of  $N_{60}P_{60}$ .

**Keywords:** *Carthamus tinctorius*, irrigation, sowing dates, economic indicators, costs, net profit, profitability.

**Fostolovych S.I. Energy evaluation of the technology of spring vetch cultivation for grain**

The paper presents the results of energy estimation of the technology of spring vetch cultivation for grain under the conditions of the central Forest Steppe of Ukraine depending on bacterial and mineral fertilizers.

**Keywords:** spring vetch, forage production, energy estimation, fertilizers, inoculation.

**Chernyshenko P.V. Characteristics of soybean varieties according to ecological plasticity of seed yield and quality under the conditions of the eastern forest-steppe of Ukraine**

The article provides the results of research (2011-2013) on modern, new and promising soybean varieties according to the ecological plasticity of seed yield, protein and oil content. The study specifies the most adapted soybean varieties capable of producing high and stable yields of seeds irrespective of the effect of environmental stress. It shows that soybean varieties selected at the V.Yuriev Plant Breeding Institute of NAAS have a fairly high potential of seed productivity, while the quality indicator - protein and oil content - requires further targeted breeding.

**Keywords:** soybean, variety, yield, protein, oil, stability, genotypic effect, plasticity, rank.

**Shcherbakov V.Y., Hrytsev D.A. Sunflower productivity depending on the type of weed control**

The study determined the effect of different herbicides in combination with a hybrid on weed and yield control of sunflower grown in the southern steppe of Ukraine. It shows that herbicides have a direct influence on sunflower productivity. The highest yield and lowest weediness were registered in hybrid NK Neoma in combination with herbicide Eurorolating, compared with other types of herbicides and hybrids in the experiment.

**Keywords:** sunflower, crops, weeds, weediness, herbicides, hybrids.

**Baranova A.S. Parameters of fattening qualities of pigs of different genotypes**

The article is devoted to a comparative study of fattening and meat qualities of pigs that belong to different productivity lines: Large White (universal) breed, Landras breed and crossbred pigs under similar feeding and keeping conditions. It shows that pigs' production traits are positively conditioned by the genotype. Crossbred pigs had higher indices of most production traits than Large White and Landras pigs. The study substantiates production traits prediction and the possibility of practical implementation of improved pig-breeding methods.

**Keywords:** genotype, purebred pigs, crossbred pigs, breeding, production traits, slaughter characteristics, development, effectiveness.

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**Nezhlukchenko N.V. Adaptability of the Tavrian type of Askanian fine fleece sheep of different lines according to reproductive characteristics**

The study evaluated sheep of seven lines of the Tavrian type of Askanian fine fleece breed on the Krasnyi chaban breeding farm according to general and specific adaptability: ewe fecundability and lamb number per 100 ewes. It identified animals with an optimal combination of high adaptability by these traits, which will allow using them in developing higher reproductive characteristics.

**Keywords:** Tavrian type of Askanian fine fleece sheep, lines, adaptation, ecological and genetic parameters.

**Novykova N.V. The influence of technological stress factors on slaughter and meat characteristics of Landrace and Large white pigs**

The paper studies the production traits of pigs with varying adaptability under the conditions of industrial complexes.

**Keywords:** stress, adaptation, slaughter and meat characteristics, pig productivity.

**Pelykh V.H., Chernyshov I.V., Levchenko M.V. Predicting compensatory growth manifestation and fattening traits of pigs by interior characteristics**

The article provides the on-farm evaluation of animals taking into account correlation and regression analysis for predicting a relationship between interior characteristics and manifestation of compensatory growth and fattening traits of pigs of the Ukrainian meat breed.

**Keywords:** correlation, regression analysis, Ukrainian meat breed, compensatory growth, interior characteristics, protein, urea, cholesterol.

**Suharlyov V.A., Yakovlev K.I. Histological features of skin of romanovska breed sheep of Ukrainian population and their value in the selection of breed**

The results of the investigation of skin histology in Romanovskaya multiparous sheep of Ukrainian population and their significance in breed population have been presented in the article.

**Keywords:** sheep breeding, romanovska breed of sheep, histology of skin, thickness of layers, correlation the awn and fuzz of wool.

**Havriushenko O.O. Bioindication characteristics of technozem models of the Nikopol manganese ore field under agricultural development**

The article presents the results of the long-lasting influence of phytomelioration on the biological activity of recultivated soils formed by less loams (LL), red clays (RC), green clays (GC) and ground mass of rich black soil. It shows that the degree of activity of microorganisms is the basis of scientific researches on edaphotops of technogenic landscapes, it being the result of the influence of grass-leguminous agrophytocoenoses.

**Keywords:** phytomelioration, edaphotop, reclamation, rock.

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**Solokha M.O. Methodological approaches to the creation of orthophotos based on aerial photographs of UAVs for soil mapping**

The article presents an algorithm for creating an orthophotoplan based on aerial photographs of a drone. It provides criteria for aerophoto selection for creating orthophotos as well as examples of ground contour detection at test sites, based on the detection of moisturized contours, phenotypic traits of silicon oxide.

**Keywords:** orthophotos, aerial photography, soil contours.

**Babikova K.O. Providing quality products and services in agricultural tourism**

The article identifies the essence of rural tourism activities as the main component of sustainable development of rural regions. It shows the results of agroecological research and managerial ways of achieving quality products and services in agriturism.

**Keywords:** agricultural tourism, agro-ecological assessment, environmental passport, ecological categorization, farmstead.

**Bahorka M.O. Functioning of the system of ecological marketing in the agricultural sector of economy**

The study identifies the main problems of agricultural production ecologization and examines the functioning of the system of ecological marketing in the agricultural sector of economy.

**Keywords:** ecological marketing, agricultural production, management, nature management, ecological and economic mechanism of marketing management.

**Bohoslavska A.V. Improving methodological principles of management and control of the process of the development of protected areas and objects**

The article highlights the issues of improving the methodological foundations of managing protected areas. It considers the problems of regulating the development of protected areas and objects, and determines the principles of nature reserve management.

**Keywords:** protected areas, management, econets, landscapes, nature reserve fund.

**Heina K.N. Features of the commercial use of bream in the Dnieper-Bug estuary system**

The study looks at the dynamics of commercial catches of bream in the Dnieper-Bug estuary system. It analyzes the linear composition of catches by fishing and control fixed nets with a mesh step  $a = 75-80$  mm. It shows the possibility of applying fishing nets with a mesh size of 75 mm and more for catching bream in the Dnieper-Bug estuary.

**Keywords.** Dnieper-Bug estuarine system, fishing, bream, set nets, mesh step.

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**Mukhina I.A., Khorunzhyi I.V. SWOT-analysis of the performance of fish farms of the Kherson region**

The study evaluates the degree of the interaction of factors and the nature of their impact on the activity of fish farms of the Kherson region by constructing a SWOT-analysis matrix. It allowed determining favorable and unfavorable combinations of factors of external and internal environment. The analysis conducted makes it possible to outline a balanced strategy of overcoming a severe economic crisis in the industry.

**Keywords:** SWOT, analysis, fish farming, matrix.

**Olifirenko V.V., Kozychar M.V., Rachkovskiy A.V. Assessment of the quality of fish products of the Dnieper-Bug estuarine ecosystem based on radionuclidecontent**

The article presents the results of measuring radionuclide content in the organs and tissues of fish of the most common commercial species. The study identifies characteristic features of the radioecological status and parameters of radionuclide accumulation in the fish of this aquatic ecosystem.

It is shown that the content of radionuclides in the organs and tissues of various species of fish is considerably lower than required by State health standards, which allows considering commercial fish products suitable for consumption.

**Keywords:** fish products, radionuclides, silver carp, carp, bioaccumulation, hydroecosystem, estuary.

**Syrovatka D.A., Bekh V.V. To the question of embriogenesis of grass carp (*Ctenopharyngodon idella*) produced using cryopreserved and native sperm**

The paper presents the results of a comparative study of the embryo period of grass carp (*Ctenopharyngodon idella*) development using native and defrosted sperm in the hatchery.

**Keywords:** cryopreservation of sperm, sperm thawing, hatchery, embriogenesis, grass carp.

**Stratichuk N.V. Sustainable development as a challenge of humanity to global threats**

The study analyzes the essence of the concept of sustainable development. It substantiates the global nature of sustainable development strategies and determines objective and subjective factors of a system-forming character for realizing the concept in the existing conditions. It proposes prerequisites for introducing a model of sustainable development.

**Keywords:** sustainable development, economic development model, sustainable socio-dominant development, environment, ecological situation.

**Shakhman I.O., Pylypenko Y.V. Ecological and economic evaluation of groundwater resources in Ukraine**

The study evaluates projected groundwater resources of Ukraine, shows the dynamics of water extraction from underground sources, examines the causes and

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nature of their contamination, as well as prospects for the use of groundwater for drinking purposes.

**Keywords:** groundwater, groundwater monitoring, water users, water, projected resources.

**Sherman I.M., Kutishchev S.V., Kutishchev P.S. Problems of ecological transformations of the hydrological regime of the Dnieper estuary and prospects for biological reclamation**

This paper analyzes the causes of environmental transformation of the Dnieper estuary. It shows the qualitative and quantitative status of producers in connection with the fish product potential of the water area.

**Keywords:** hydroecosystem, transformation, producers, consumers, phytoplankton, macrophytes, phytomass, fish products.

**Antofii N.M. Choosing the strategic directions of the state policy of Ukraine in the sphere of consumption and savings**

Based on scientific and theoretical generalizations, the paper considers a change in priorities in managing final consumption and savings in modern national economies and a shift from savings as a source of physical capital accumulation to consumption as a source of human capital development.

It shows that if the strategy of socio-economic development is focused on the concept of human development, it is based on savings as a source of investment resources, not only in physical but also in human capital and natural capital.

It is established that the strategic goal of human development in transitional economies is combined with additional difficulties and limitations associated with solving specific problems of the current development.

**Keywords:** consumption, savings, investment, human capital, physical capital, human development.

**Bezditko Y.M. Structural indicators of cash circulation in the Kherson region**

The paper analyzes the structure of money circulation in Ukraine, particularly the proportion of cash in the money supply. It investigates the structure of the cash turnover in the banking system of the Kherson region, and determines the main factors that influence this structure.

**Keywords:** money, cash, cash issue.

**Virozub O. D. Management marketing of agricultural products**

The article deals with the concept of "sales" in a market economic system. With table shows the features of production and marketing activity. Are the main areas of the public sales promotion of agricultural products. The conclusions about the need for a wholesale food market.

**Keywords:** market, market competition, the system of sales management, sales promotion, sales activities, wholesale food market.

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**Hrybova D.V. Stabilization and further development of vegetable growing industry in Crimea**

The article scientifically substantiates the directions of stabilization and further development of the vegetable growing industry and proposes approaches for optimizing the location of vegetable production in Crimea.

**Keywords:** stabilization, development, vegetable growing, business, vegetable products, mobilization, reconstruction.

**Gubin V.V. Theoretical foundations of economic analysis of agricultural producers**

In the article the areas of economic analysis justified the choice of highly efficient technologies and facilities for farmers are the main indicators of economic evaluation. Powered aspects of methodological recommendations for the implementation of analytical research study selecting highly efficient technologies and facilities. Conclusions regarding special role in the system of management analysis business analysis of agricultural organizations.

**Keywords:** technical and economic level, agricultural activities, methodology, economic conditions, the effectiveness, management decisions.

**Karnaushenko A.S. Methods for evaluating the effectiveness of financing the innovative activity of farms**

The article reveals and analyzes methods for assessing the effectiveness of financing innovations on farms. It shows that only one source of funding reduces the effectiveness of an innovative project. There are three main approaches to assessing the expediency of attracting credit resources to innovative projects. The paper provides an updated list of criteria to be met when evaluating the effectiveness of the methods of financing innovations on farms.

**Keywords.** financing, innovative activity, efficiency, evaluation methods, farms, innovative projects.

**Kyrylov Yu. E. The role and place of agricultural holdings in the further development of the agricultural sector of Ukraine**

The paper summarizes theoretical developments as to the substantiation of the essence of the category of agricultural holdings and applied aspects concerning their performance. It identifies their advantages, risks and threats to their activities. The paper specifies the place and role of agricultural holdings in the further development of the agricultural sector of Ukraine in the context of globalization.

**Keywords:** agricultural holding, agricultural sector, forms of business, corporate formations, agriculture, agricultural products, rural areas, development, globalization.

**Kyseliov K.Y. Statistical analysis of the factors affecting the consumption of beef by Ukrainian population**

The article provides regression analysis of a relationship between beef consumption, average income of the population and average price for beef in the period of 2008-2012.

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**Keywords:** average available income per person, average consumer prices for beef, regression dependence, pricing.

**Kyseliova R.A. Theoretical substantiation of the identification algorithm of ecological and economic risks in the water management and reclamation complex of Ukraine**

The study substantiates the necessity of managing ecological and economic risks in the water - reclamation complex of Ukraine and develops an algorithm of their identification. It provides a model of ecological security procedures in the system of water management on reclaimed lands.

**Keywords:** ecological insurance, reclaimed land, water-reclamation complex, ecological and economic risk, risk, damage.

**Kornietskiy O.V. Concept vehicles to sign contracts under interregional interaction**

Before concluding international trade contracts must take into account the transport factor and figure out the world for the transportation of export and import products. This factor reflects the level of socially necessary costs of shipping goods from the supplier to the consumer, and the estimated efficiency of transport services on the route. In international trade transport characteristics can be divided into quantitative and qualitative.

**Keywords:** transport contract; Transportation; design of transport; transport document, cargo; transport operations; tariff; policy.

**Ksionzhyk I.V. Informatization of rural social infrastructure as a potential basis for the revival of social services in rural areas**

The article explores issues related to the analysis of the problems of informatization of social infrastructure in rural areas as a whole, reveals such elements of the social sphere that have the most significant influence on the lives of rural people, and predicts the effects of these priority informatization elements on all rural communities.

**Keywords:** informatization, social infrastructure, rural areas.

**Ksionzhyk I.V., Alupoi T.A. Tax regulation of financial reporting of agricultural enterprises**

The article discusses the main aspects of financial reporting of agricultural enterprises; determines specific features of taxation in the context of the new Tax Code.

**Keywords:** financial reporting, accounting policy, tax difference.

**Marmul L.O., Marandiuk K.A. Audit of basic means of production of agricultural products**

The article explores the methodology of audit of fixed assets, determines its impact on audit quality; considers its task and database used during the audit of fixed assets. The study establishes criteria for audit quality and requirements for preparing accounting information.

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**Keywords:** audit methodology, fixed assets, quality of audit services, standards.

**Mykhalenko I.V., Bazalii V.V., Kokovikhin S.V., Lavrynenko Y.O.**  
**Global trends in the agribusiness of cereals**

The paper presents the results of research aimed at enhancing the competitiveness of domestic producers of corn seeds based on economic and technological factors under the conditions of the Southern Steppe of Ukraine

**Keywords:** agribusiness, corn, wheat, seeds, irrigation, hybrids, yield.

**Morozov R.V. Organizational principles of cluster formations in rice production**

The study identifies prerequisites for the formation of cluster systems in the rice industry. It substantiates organizational principles of cluster formations in rice production.

**Keywords:** cluster, research and production cluster, rice production, development.

**Nepomiashcha O.V. Innovation and investment activity of enterprises in the water economy sector of Ukraine**

The article examines the economic nature of "innovation and investment development" from the standpoint of domestic and foreign scholars and proposes the author's vision of the definition of "innovative investment development of enterprises in the water management sector."

**Keywords:** innovation and investment development, water management, investment, innovation, investment.

**Podakov Ye.S. Directions of tax policy improvement and its impact on the economic development of Ukraine**

The article investigates the impact of tax policy on the economic development of Ukraine. Based on the analysis conducted it proposes recommendations toward the ways of improving the tax policy of Ukraine.

**Keywords:** tax policy, economic development, taxes, income tax, VAT, business entities, Tax Code of Ukraine, State budget.

**Potyshnyak O.M. The quality management system in integrated agro-textile formations**

In the article developed quality management system integrated association of producers and processors of wool: specified the basic principles of the concept of quality, defined quality management tools for all levels of an integrated union, the structure of complex quality management system and mechanism of action of such a system.

**Key words:** integrated agro-textile formation, the quality management system.

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**Prystemskiy O.S. Procedure approaches to the formation of financial security of businesses**

The article explores procedure approaches to financial safety of businesses. It substantiates the main objectives of the system of financial security and sets out the principles on which it is based.

**Keywords:** financial security, business entities, system of financial security, financial practices, internal security, risky environment.

**Soloviov A.I. Creation and introduction of new information systems in agricultural enterprises**

The paper considers the application of new information technologies and creation of agricultural information systems to improve the mechanism of agricultural production management. It proposes introducing the National system of agricultural information and knowledge, which would be the guarantee of supporting the sustainable development of agricultural production and improving the quality of life of the rural population of Ukraine.

**Keywords:** information technology, agricultural production structure, knowledge system, management mechanism.

**Soloviov I.O. State and prospects for fisheries development in Ukraine**

The paper investigates the current state and prospects for fisheries development in Ukraine. It identifies factors influencing its development and proposes ways of improving the functioning of the country's fishing industry.

**Keywords:** fisheries, fishery products, imports of fish and fishery products, performance efficiency.

**Tanklevska N.S., Holovych N.M. The importance of benchmarking in the economic security of agricultural enterprises**

The paper determines the importance of benchmarking in the economic security of agricultural enterprises. It substantiates key provisions of the development of the concept investigated. The types of benchmarking and its impact on the economic security of agricultural enterprises are specified.

**Keywords:** economic security of enterprises, benchmarking, benchmarking types, agricultural enterprises, competitiveness.

**Fomishyna V.M. The role of self-financing in the investment support of enterprises' foreign economic activity**

The article summarizes theoretical and applied aspects of self-financing, identifies advantages and disadvantages of self-financing versus other sources of financing in the foreign economic activity of enterprises.

**Keywords:** financial resources, investment resources, self-financing, foreign economic activity, export, import.

**Tsaruk V.Yu. Formation of organizational and economic mechanism innovation infrastructure in industry**

In the article the basic four basic models of financing, which the analysis of international experience in the mechanisms of formation of investment. Powered

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principles that should be based innovation infrastructure formation as an integral institution. The basic objectives of the National Innovation Fund, as part of the mechanism of innovation infrastructure in the industry.

**Keywords:** State Innovation Company of Ukraine, concept, innovation infrastructure, imperative regulations, financial innovation infrastructure, infrastructure stock, capital market.

#### **Chervyakov I.M. Methods of evaluation of regional clusters**

In the article the most attractive from a management point of view of factors that affect the performance of clusters and form their core businesses. Proposed based on the approaches and methods of assessment criteria of regional clusters by the two high-tech clusters.

**Keywords:** globalization, competitiveness, regional economy, industrial production, cluster approach, multivariate statistical analysis of the study.

#### **Sherman E.M. Cluster approach to the implementation of transnational projects as a factor of increasing revenues to the state budget**

The article examines the current state and regional specifics of increasing the state budget. It proposes taking a cluster approach to the implementation of transnational projects as a source of increasing the state budget.

**Keywords:** budget and tax system, national economy, subsidized regions, cluster approach, economic growth, multinational corporations.

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