
SUMMARIES

Bazaliy V.V., Kokovikhin S.V., Pysarenko P.V., Grabovskyi P.V. – Qualitative characteristics of durum winter wheat depending on growing technology elements under irrigated conditions of the southern Ukrainian steppe

The article provides the results of studying the effect of irrigation modes and fertilization on the productivity and grain quality of durum winter wheat. It also makes a comprehensive assessment as to the determination of grain class based on the variants under study.

Key words: durum winter wheat, productivity, gluten, vitreousness, grain unit, a thousand-grain mass, protein.

Bazaliy V.V., Kokovikhin S.V., Pysarenko P.V., Grabovskyi P.V. – Durum winter wheat productivity depending on moistening conditions and fertilization background in the irrigated southern Ukrainian steppe

The article presents the results of examining the impact of moistening and fertilization on the dynamics of raw aboveground mass and dry matter accumulation by durum winter wheat plants. The research conducted shows the advantages of vegetation irrigation before the stage of grain wax ripeness, as well as of the application of the estimated rates of mineral fertilizers and urea.

Key words: durum winter wheat, fertilization, irrigation, raw mass, dry matter, average daily increment, yielding capacity.

Bazaliy V.V., Kokovikhin S.V., Pysarenko P.V., Grabovskyi P.V. – The effect of moistening conditions and fertilization background on the water consumption and yielding capacity of durum winter wheat varieties cultivated in southern Ukraine

The article presents the results of field and laboratory tests of durum winter wheat varieties aimed at determining the efficiency of different irrigation methods and estimated fertilization rates. The experimental data obtained can be used for optimizing the technology of wheat cultivation under the conditions of the southern Ukrainian steppe.

Key words: durum winter wheat, irrigation mode, fertilization background, total water consumption, yielding capacity.

Bazaliy V.V., Boichuk I.V. Selection and genetic features of soft winter wheat varieties according to the manifestation of characters in F₁, F₂ hybrids of diallele crossing

The study examines specific features of the effects of general combining ability (GCA) and the constants of specific combining activity (SCA) in F₁, F₂ hybrids of diallele crossing and their correlation in modern varieties of soft winter wheat. It shows different levels of the GCA and SCA effects in the varieties under study in separate characters responsible for the productivity structure.

For the majority of characters, the GCA and SCA levels determined for a specific variety in F₁ hybrids are confirmed in F₂. According to general combining ability (GCA), this was most clearly manifested in the *Znakhidka odes'ka* and *Viktoria odes'ka* varieties; according to SCA, this was displayed for the majority of characters in practically all the varieties, except the *Kharus* variety.

Key words: hybrid, varieties, characters, crossing, combining ability, productivity.

Vasylenko A.O., Derebizova O.Yu., Tymchuk S.M., Pozdniakov V.V., Tymchuk V.M. – Dry matter and sugar content in technically mature seeds of different garden pea varieties

The research conducted shows that mutations in peas cause a decrease in dry matter and starch content and an increase in the water-soluble fraction of carbohydrates in technically mature pea seeds. Pea varieties that are carriers of this mutation differ considerably in dry matter content, renewable sugars and sucrose, sucrose content displaying the widest variability range. The study identifies the sources of high sucrose content for using them in garden pea selection for seed quality.

Key words: garden pea, varieties, technically mature pea seed quality, dry matter content, sugar content.

Vasylenko R.M. – The impact of seeding time on the productivity of foxtail millet (*Setaria Italica maxima*)

The article presents the results of research into developing an efficient technology of foxtail millet cultivation under the conditions of the southern Ukrainian steppe. The optimal seeding time is the middle of April, for foxtail millet to be used as green fodder and as a grain crop.

Key words: productivity, foxtail millet, seeding time.

Yefimova N.M., Averchev O.V. – Productivity of millet cultivated in a rice crop rotation in southern Ukraine

The article addresses the issue of agricultural production intensification at the expense of after-harvest cultivation. The study shows that stubble millet growing allows increasing crop yields per hectare. Flood irrigation application provides millet productivity at about 25 c/ha depending on the seasonal weather conditions.

Key words: stubble millet, rice crop rotation, agrotechnical practices, flood irrigation, productivity.

Zhuikov O.G., Tarasov K.V. Logvinovskiy A.Y.– Qualitative and quantitative indices of the efficiency of foliar nutrition of oil crops of the *Brassica* family in agrophytocenoses in southern Ukraine

The article features the results of experimental testing the efficiency of one-time and two-time foliar mineral nutrition with a complex fertilizer manufactured by the *Gileya* TM on the dynamics of growth processes, productivity of certified seeds, raw fat content, and a complex of economic and bioenergy indices that show the expediency of growing winter rape and Chinese and white mustard.

Key words: winter rape, Chinese mustard, white mustard, foliar nutrition, complex liquid fertilizers, seed productivity, oiliness, oil yield, economic and bioenergy efficiency.

Kyryliuk R.M. – Photosynthetic activity of spring rape depending on seeding time, methods and rates

The article considers the photosynthetic activity of spring rape depending on the seeding time, methods and rates. This will help to identify the best system of using the photosynthetic function of rape plants. The study also addresses current problems in determining efficient seeding methods, time and rates for spring rape grown in the southern area of the western forest-steppe zone.

Key words: spring rape, photosynthesis, seeding rates, seeding method, seeding time.

Kozachenko M.R., Solonechnyi P.N., Vas'ko N.I. – Selection of the starting material of spring barley with varietal characters

The article considers newly developed lines of spring barley with the recombination of characters that are widespread (*nutans* Sch?bl., *medicum* Koern.), quite common (*submedicum* Orl., *pallidum* Ser., *rikotense* Regel.), and not sufficiently spread (*inermis* Koern., *subinermis* Koern., *duplialbum* Koern., *nudum* L., *deficiens* (Steud.) Koern., *horsfordianum* Wittm., *angustispicatum* Koern.) in varietal selection.

Key words: spring rape, variety, selection, line, character, recombination, productivity.

Kokovikhin S.V., Pysarenko P.V., Grabovskyi P.V. – Assessment of the economic efficiency of the technology elements of durum winter wheat cultivation under irrigated conditions of southern Ukraine

The article provides the results of studying the economic efficiency of irrigation modes and fertilization. The study shows the advantages of the *Kassiopea* variety, as well as the effectiveness of vegetation irrigation before the milky ripeness of grain and basic mineral nutrition both with or without top-dressing.

Key words: durum winter wheat, mineral nutrition, irrigation, bulk yield, production cost, profit, profitability.

Kokovikhin S.V., Pysarenko P.V., Grabovskyi P.V. – Energy assessment of the technology elements of durum winter wheat cultivation under irrigated conditions of the southern Ukrainian steppe

The article provides the results of assessing the energy efficiency of irrigation and mineral nutrition. The study shows the advantages of the *Kassiopea* variety, as well as the efficiency of vegetation irrigation before the stage of grain milky ripeness and mineral fertilization for the estimated yield together with additional top-dressing.

Key words: durum winter wheat, mineral nutrition, irrigation, yielding capacity, energy increment, energy coefficient, product energy intensiveness.

Lymar V.A., Kashcheyev O.Y., Stepanova I.M. – New methods of soil moisture determination

The article presents the results of searching new devices for quick determining soil moisture with the aim of optimizing plant water regime on irrigated plots. Four new devices have been patented; they are distinguished by a simple design and the use of cheap materials, which does not affect performance accuracy and reliability.

Key words: soil, moisture, plants, irrigation, devices.

Martyniuk M.M., Tymchuk S.M., Pozdnyakov V.V., Tymchuk V.M, Kharchenko L.Y. – Grain productivity of corn lines and hybrids based on su_1 , sh_1 and sh_2 mutations under the conditions of the forest-steppe zone of Ukraine

The research conducted shows that corn lines and hybrids based on su_1 , sh_1 and sh_2 mutations display lower grain productivity than common type lines and hybrids; the

lowest grain productivity is caused by the sh_2 mutation. Corn lines carrying su_1 , sh_1 and sh_2 mutations differ from one another in the grain productivity effects of their combining ability, and those effects are quite stable under the weather conditions of the forest-steppe zone of Ukraine.

Key words: corn, endosperm mutations, lines, hybrids, grain productivity.

Morozov R.V. – Rice production in Ukraine and its place in the world rice market

The article examines Ukraine's potential possibilities in quality rice production for home consumption, together with an increase in exports. It analyzes specific features of rice production development from the viewpoint of meeting home market requirements as well as considering foreign trade relations in the sphere of rice export-import.

Key words: agricultural economics, rice production, foreign trade relations.

Niniyeva A.K. – Utility and biological characteristics of spring spelt in the eastern part of the forest-steppe zone of Ukraine

The article provides a characteristic of spring spelt samples by their morphological and biological characters, identifies forms with valuable utility characters and their combinations. Based on evaluating the manifestation and variability of characters and their relationship, the study determines optimal criteria for selection for productivity, which is significant for further selection work with this crop.

Key words: spring spelt, characters, variation, correlations, selection.

Orlyuk A.P., Goncharenko O.L. – Agrophytocenosis formation, productivity and seed quality of soft winter wheat depending on seeding rates and soil humidity

The study determines optimal seeding rates (5 and 7 mln seeds per hectare) for the formation of a highly productive agrophytocenosis of soft winter wheat. It also shows that irrigation contributes to a higher productivity (1.7-1.9 times) and improves the sowing qualities of grain.

Key words: soft wheat, seeding rate, agrophytocenosis, photosynthetic potential, productivity, seed quality.

Salatenko V.N. – Bioecological potential of castor-oil plants under the conditions of southern Ukraine

The article considers the essence of the concept "bioecology of plants" and defines it as a correspondence between environmental factors and biological requirements of plants of a certain kind, species, variety, etc. The level of correspondence is determined according to bioecological coefficients that show a correlation between the possibilities of a region and plant requirements for life factors (heat, light, water supply).

According to the main ecological factors, the southern Ukrainian steppe meets the biological requirements of annual castor-oil plants. Irrigation dramatically increases the degree of nature factors utilization and thus creates prerequisites for obtaining high and stable castor-oil seed yields (25-30 c/ha).

Key words: castor-oil plant, bioecology, life factors, yielding capacity, productivity, seed quality.

Silets'ka O.V. – Efficiency of sowing winter and spring fodder crops into the alfalfa crop

The article presents the results of a two-year-study of sowing winter, early and late spring fodder crops into the alfalfa crop. The research was done at three nutrition backgrounds (without fertilizers; $N_{45}P_{30}$; $N_{90}P_{60}$).

Key words: alfalfa, sowing, fodder crops, productivity, nutrition background, green fodder.

Trokhimchuk V.A. – Content of nutritive elements in the leaves of pear stocks

The study presents the results of determining the content of nitrogen, phosphorus and potassium in the leaves of pear stocks. It shows that the content of the main nutrition elements in the leaves varies depending on the stock. The highest amount of nitrogen in pear leaves was observed in the year with the most rainfall. The content of phosphorus and potassium in the leaves of pear stocks remained stable.

Key words: pear stock, leaves, phosphorus, potassium, content.

Ushkarenko V.O., Tyshchenko O.P., Kokovikhin S.V. – Spatial interpolation of aggregate evaporation values measured by hydraulic soil balance gauges

The article provides the results of studying spatial interpolation of aggregate evaporation values measured by hydraulic soil balance gauges for different agricultural crops grown on irrigated lands of the Crimea.

Key words: aggregate evaporation, hydraulic soil balance gauge, spatial interpolation, agricultural crop, optimal irrigation mode.

Ushkarenko V.O., Tyshchenko O.P., Kokovikhin S.V. – Representativity of hydraulic soil balance gauges in the biological development of plants

The article provides the results of studying the representativity of hydraulic soil balance gauges in the processes of growth and development of winter wheat, corn for grain and alfalfa both in the balance gauge container and in the field.

Key words: hydraulic soil balance gauge, representativity, development stages, growth dynamics, winter wheat, corn, alfalfa.

Fedorchuk M.I., Kokovikhin S.V., Makukha O.V. – Prospects for information technology application in determining leaf area and evapo-transpiration dynamics in medicinal plants under the conditions of southern Ukraine

The article highlights the problems of applying information technologies in determining the leaf area and evapo-transpiration of medicinal plants under the conditions of southern Ukraine. The study also provides practical recommendations as to the specialized software application in research work.

Key words: medicinal plants, software, leaf area, evapo-transpiration, meteorological indices, modeling.

Frolov V.V., Chynova L.Yu. – Diagnosing melon heat resistance by the germinating power of seeds after their heating

The article presents a method of assessing melon heat resistance by the germinating power of seeds after their heating, which allows accelerating the assessment of heat resistance of varieties and their grouping. The study also determines the efficiency of using the method in selection.

Key words: melon, heat resistance, seed germinating power, method, selection process.

Frolov V.V., Chynova L.Yu. – New melon varieties *Fantazia* and *Prestizh*

The article features the results of breeding new highly productive melon varieties *Fanatazia* and *Prestizh* characterized by early ripening, high yields (15-18 t/ha), resis-

tance to powdery mildew (7-9 points), high palatability (4.6 – 4.8 points) and increased vitamin C content – 25-30 mg,%.

Key words: melon, variety *Fantazia*, variety *Prestizh*, economic efficiency, early ripening, fruit quality.

Shevchenko I.V., Taranenko O.U. - Phytocenotic competition: grapes-weeds

The study looks at the issue of a competitive struggle between grapes and weeds in the process of their joint growing. Grapes lose the competition because of the great numbers of weeds and their long presence. Sporadic weeding at certain vegetation stages does not improve the general state of plantings.

Key words: grapes, weeds, herbicides, type of weediness.

Vovchenko B.O., Klyuenkov V.O. – Reproductive ability of ewes of the Dni-propetrovs'k type of the Askanian meat-wool breed

The study assesses the dynamics of growth and development of ewes of the Dni-propetrovs'k type of the Askanian meat-wool breed, their reproductive and fattening characteristics and efficiency of their use.

Key words: ewes, polycarpic effect, survival rate, productivity.

Dudok A.R. – The characteristic of the Ukrainian red dairy herd according to the degree of phenotypic consolidation

The article presents the results of research on the level of phenotypic consolidation of cows of the Ukrainian red dairy cattle by the main breeding characters on the same farm. The indices of milk productivity determined suggest the necessity of animals' consolidation.

Key words: Ukrainian red dairy cattle, variability, consolidation, milk productivity, line.

Karateyeva O.I. - The description and prediction of lactation curves in cows of different breeds and types of body formation

The study highlights the results of the prediction and modeling of lactation curves of dairy cattle under different types of body formation intensity based on the Guo-Svolve model. The given model makes it possible to predict and simulate the type of the lactation curve and its dynamics quite clearly and precisely.

Key words: lactation curve, body formation intensity, prediction and modeling of lactation curves, Guo-Svolve model.

Martynenko A.V. – Quality composition of cow's milk at the early stages of the postnatal period

The study provides the results of examining a change in some physiological characteristics of a cow's organism and milk quality at the time of sexual excitement. It shows that in lactating cows of the Ukrainian black-spotted dairy cattle the quality composition of milk changes: we observe a reduction in the amount of milk fat, casein, and protein.

Key words: cow, breed, lactation, estrus, milk, milk fat, protein

Pentyliuk S.I., Pentyliuk R.S. – Comparative assessment of probiotics in pig feeding

The article deals with the research into the specific features of using the probiotic preparations I-Сак or Cellobacterin in the feeding of sows and piglets. The assessment of reproductive characteristics of sows and live weight dynamics in piglets makes it possible to evaluate the conditions and expediency of their application.

Key words: feeding, feed supplements, sows, piglets, productivity.

Peresun'ko A.V. - Comparative assessment of morphological characters of eggs of laying poultry crosses

The article considers the results of a comparative assessment of crosses of foreign selection according to the morphological characters of eggs. It shows that egg mass is formed mainly due to the white mass. At the same time, the Iza Brown poultry cross displayed high indices of the yolk mass, which is expedient to take into account in selection for higher egg quality.

Key words: poultry crosses, egg mass, selection, morphological characters.

Prudchenko D.V., Pentyliuk S.I. – Specific features of the effect of biologically active substances on the productivity of young boars and sows

The article presents the results of using the enzyme and probiotic preparation Cellobacterin together with the anti-microbe preparation Micosorbin or adsorbent Micosorb in the feeding rations of young boars and sows. The assessment of the productivity indices made it possible to identify peculiar features of the growth of young boars and sows under the influence of the feeding factor.

Key words: feeding, feed supplements, sows, piglets, sex, productivity.

Volichenko Yu.M., Bezpalova L.E., Olifirenko V.V. – Seasonal changes of helminthofauna of some commercial fish of the Dnieper estuary

The study looks at the seasonal dynamics of helminthofauna of some species of commercial fish in the Dnieper estuary.

Key words: parasitic fauna of fish, seasonal dynamics, trematodes, parasites, development cycle.

Olifirenko V.V. – The dependence of fish helminthofauna on the ecological features of water basins

The article examines qualitative and quantitative differences of helminthofauna in different areas of the Lower Dnieper.

Key words: helminthofauna, ecological features, commercial fish.

Shekk P.V. – Physiological condition of red-finned mullet producers from natural populations in the pre-spawning period in the context of the problem of artificial reproduction

The study examines specific features of the physiological condition of red-finned mullet producers from the Black Sea population in the pre-spawning period. It identifies the most favorable periods for selecting producers for artificial reproduction.

Key words: red-finned mullet, producers, Black Sea population, physiological condition, artificial reproduction.

Vlasiuk O.A., Abramovych O.V. – Differentiated use and protection of the drained lands of the Ukrainian Polessye region

The study considers the necessity of taking measures and provides some proposals as to the efficient use of drained lands.

Key words: drainage, adverse effects, agro-ecological condition, nature-territorial complexes.

Gafiatullina O.G., Lyashenko Y.V. – Ecological advantages of enzyme immobilization in biotechnological processes

The article presents an overview of using synthetic enzymes and natural organisms in various biotechnological processes in agriculture and food industry. It shows the advantages of applying biocatalysts, which significantly increases production safety, improves technological processes, and imparts specific positive qualities to the products.

Key words: biotechnology, enzymes, microorganisms, immobilization, carriers.

Okhrimenko O.V., Gafiatullina O.G. – Assessment of drinking water quality according to chemical indices

The study makes a comparative assessment of the quality of drinking water from different sources according to chemical indices. It shows that artesian water has the best characteristics and is the most suitable for drinking; tap water has the worst quality and is not suitable for consumption as drinking water.

Key words: hydrogen index, total hardness, alkalinity, mineralization.

Andrusenko I.I. – Improvement of a technique for determining water-physical characteristics of irrigated lands

The article makes a critical analysis of the existing techniques for determining water-physical characteristics of soil and their shortcomings in different periods of study on irrigated lands. It examines the top point of measuring water discharge, methods of calculating irrigation rates and total water consumption; it outlines directions of improving the techniques used, and provides proposals as to further development of scientific methods.

Key words: water-physical characteristics, humidity, total water capacity, the lowest water capacity, irrigated lands, irrigation rates, soil density.

Andrusenko I.I., Zadnipyryani K.O. – Water resource saving by using drip irrigation in grape cultivation

The article provides the results of research in the water consumption by grapes at different stages of its development, as well as in the impact of natural and anthropogenic factors on the formation process. The study substantiates the expediency of moistening the most fertile surface soil layer, and determines optimal drip irrigation rates for alluvial weakly eroded soils and the southern black soil.

Key words: grapes, drip irrigation, water consumption, irrigation rates, irrigation mode.

Morozov O.V. – Assessment of the current ecological and ameliorative state of the Ingulets irrigated area

The article describes the current ecological and ameliorative state of the Ingulets irrigated area. It identifies a tendency to a change in the ground water tables, mineraliza-

tion and hydro-chemical composition. The study establishes a distinct correlation between the area of underflooded irrigated lands and the amount of irrigation water supply.

Key words: monitoring, ecological and ameliorative state, ground water table, mineralization and hydro-chemical composition of ground water.

Bardash S.V. - Determining the principles of the practice of internal control of economic subjects

The article describes some approaches to determining the principles of internal control and specifies their essence and content according to the organizational and exercising stages of internal control. It shows the importance of studying the principles of economic control. The study defines more precisely the principles of internal control adhering to which is important for the improvement of the control process at different stages of its exercising; for the improvement of the current systems of internal control; for the development of the deontology of control (the principles of professional ethics of a subject of check).

Key words: principles of internal control, principles of the process approach with the application of information technologies, conceptuality of control, parity of subjects of control, emergency.

Bardash S.V., Osadcha T.S. – Ukraine in the world economic space: tendencies to the modification of public economic control

The article presents the results of studying the impact of world globalization on Ukraine's economy and identifies the main constituents of the modification of the system of public economic control. It also examines the level of integration of the Ukrainian national economy in the world economy.

Key words: globalization, Ukraine's economic system, Ukrainian national economy, economic integration.

Boiko L.I., Pererva K. A. – Improvement of profit tax accounting under the conditions of reformation of the taxation system of Ukraine

The article considers the issue of the perfection of profit tax accounting under the conditions of the reformation of the taxation system in Ukraine. It analyzes the state of the taxation system, positive and negative aspects of the amendments to the Taxation system of Ukraine in particular, and specifies tasks to be solved in the context of identifying the development prospects.

Key words: Taxation system, profit tax, reform, tax administering, Tax Code.

Botvina N.O. – Fiscal policy in the agricultural sector of Ukraine and the development of rural co-operation

The study looks at the theoretical, methodological and practical aspects of co-operation development in the rural areas in the context of the fiscal policy of Ukraine. It monitors the current problems in today's economic science and imbalances of the economic space, and identifies prerequisites and focuses of the fiscal policy in light of co-operation advances in the rural areas of Ukraine.

Key words: fiscal policy, co-operation, rural areas, agro-industrial complex.

Buzhyn O.A. – Poultry farm management: substantiation of economic depreciation of poultry

The study attempts to use biochemical and economic indices of chickens as one of the possible variants of substantiating the expediency of making depreciation deductions for poultry on poultry farms.

Key words: biological assets of livestock farming, depreciation deductions for poultry, integral index, mechanism of expenditures, managerial decisions, poultry.

Bulyuk O.V. – Theoretical and methodological approaches to determining the sources of the current economic systems development

The study considers theoretical and methodological approaches of different schools and directions of the economic theory to determining the sources of the current economic systems development. It shows that regardless of the research methods used the accumulation of capital is thought to be the main source of development.

Key words: socio-economic development, economic growth, economic resources, production factors.

Burova O.M. – Trade policy establishment and implementation in the system of agro-marketing of milk processing enterprises

The study examines theoretical and practical foundations of the adoption of an effective trade policy of milk processing enterprises, and provides an algorithm of the development and improvement of the selection constituent.

Key words: agro-marketing, marketing activity, trade policy, product line, selection, range analysis, marginal profit.

Vermiyenko T.G – Investment in the innovative activity in Ukraine: state and prospects

The study considers development trends in the current state of the innovative activity in Ukraine and provides proposals as to the intensification of innovative activity and methods of financial support.

Key words: investment, innovative activity, budget financing.

Yeropkin V.A. – Improvement of the government regulation of the economic relations in the Ukrainian rice market

The article presents a system of measures related to the government regulation of the economic relations in the rice production sector of Ukraine, and formulates major lines of the government support for a stable increase in rice production and the sector's effective functioning. The study elaborates a strategy for the development of the home rice market taking into consideration the economic efficiency of rice growing, and rice competitiveness.

Key words: rice, sector, government regulation, economic efficiency, development strategy.

Kucher S.F. – Methodological aspects of the system of economic regionalization under the conditions of globalization

The paper looks at the innovative proposals as to the development of the territory of a seaside city. It presents new approaches to the distribution of spheres of corporate management in the realization of programs on the development of seaside territories.

Key words: economic system, globalization, seaside territory.

Lemish K.M. – Management of a regional economic system

The article considers the content of the category 'regional economic system', and identifies factors that determine the system stability of a regional economic system.

Key words: regional economic system, socio-economic development, regional management.

Mokhnenko A.S. – Place and role of farming enterprises in the agricultural sector of economy

The study explores the place and role of farming enterprises in the system of agro-industrial production, and classifies such enterprises according to different indices that have a significant impact on the farming activity.

Key words: farmer, farming enterprises, agriculture, agricultural economics.

Pokotilov I.P. – Introduction of modern information technologies of transportation project management of transport companies

The article presents proposals as to choosing a corporate information system and provides an algorithm of introducing CRM-technologies. It also puts forward a conception of the information system of management and planning within the structure of the standard ERP-system.

Key words: CRM-technologies, ERP-systems, OLAP technology, corporate information systems, modules.

Rokochyns'kyi A.M., Frolenkova N.A., Stashuk A.V. – Ecological and economic modeling in managerial decision-making on water distribution and ameliorative projects

The article presents the main principles of building simulation models for determining and predicting ecological and economic parameters of water distribution and ameliorative projects taking into account the impact of the changing natural and climatic conditions and design structures of ameliorative systems.

Ключові слова: ecological and economic system, modeling, weather and climatic conditions, system approach.

Rusnak A.V. – Methodological aspects of working out a strategy of the stable development of rural territories

The article highlights the methodological aspects and characterizes the formation stages of the stable development of rural territories. It substantiates the expediency of outlining the priority directions of rural territories development aimed at pursuing a strategy of the stable development of the region with the application of the SWOT analysis method.

Key words: rural territories, strategy, stable development, standard of life, rural population, socio-economic development.

Sakun A.Zh., Petrova O.O. – The role of investment activity in the control of enterprises development

The article features the results of studying the nature of innovations, analyzes the innovation process as a means of reaching the economic stability of enterprises, and determines the impact of innovative activity on the management of their development.

Key words: innovations, innovative activity, management process, economic activity.

Sevryukova S.M. – Development of innovative activity in Ukraine

The article addresses theoretical aspects and elaborates the essence of innovative activity, and substantiates the necessity of introducing innovative and structural mechanisms of the modernization of the national economy.

Key words: innovations, innovative strategy, competitiveness of an economy, innovative activity.

Stovba T.A. – Methodological aspects of the operational and economic analysis of a ship's performance during the run

The study presents some indices for making operational and economic analysis of a sea-going carrying vessel. It develops a technique for factorial analysis of balance profit, profitability and transport capacity of a ship during the run.

Key words: marine transport, analysis of balance profit, analysis of a ship's profitability during the run, analysis of a ship's transport capacity during the run.

Tanklevs'ka N.S. – Prospects for the development of credit provision to agricultural enterprises

The article identifies current trends in credit provision to Ukrainian agricultural enterprises. It determines the prospects for the development of credit relations in Ukraine's agriculture. It also shows the necessity of introducing by the National Bank of Ukraine a mechanism of commercial banks refinancing in order to credit agricultural enterprises within a special credit treatment program.

Key words: credit, crediting, agricultural enterprises, special credit treatment.

Chernyavs'ka T.A. – Fiscal policy of the development of the transport system in Ukraine and adapting it to the standards of the European Union

The article analyzes the causes and substantiates the necessity of transport policy reformation. It accentuates the need for a stronger competition in the transport sphere, in the railway and air transport in particular. The implementation of an efficient financial policy aimed at the development of Ukraine's transport system can attract and protect home and foreign investment, contribute to a favorable investment climate, strengthen the co-operation with international financial institutions, and stimulate the participation of private businesses in the development of the transport and road complex.

Key words: fiscal policy, transport development financing, Ukraine's transport system, transport and road complex, transport infrastructure.

Sharapa I.V., Makarenko S.M., Oliynyk N.M. – Life quality of people as an indicator of the socio-economic development of a region

The article substantiates the necessity of establishing proper living conditions and providing adequate payment for work to satisfy material and spiritual demands of people and ensure the country's economic development. It analyzes the living standard of the population on the Kherson region, and substantiates the necessity of developing and introducing an optimal strategy of the regional development and raising the living standards of people.

Key words: life quality of people, differentiation of the living standards, responsibility sharing, stable economic development, bodies of executive power and local government.
