проведено оценку структуры земельного фонда с выявлением особенностей его использования. Очерчены направления повышения экологического равновесия землепользования региона.

Ключевые слова: структура землепользования, земельные ресурсы, агропроизводство, антропогенная нагрузка, экологическая стабильность.

Н.Г. Нестерова, И.А. Григорюк. Особенности водного режима древесных видов растений в экологических условиях г. Киев

Приведены результаты изучения водного режима древесных видов растений в различных экологических условиях г. Киев. Определено общее и фракционное содержание воды, коэффициенты водоудерживающей, водовосстанавливающей способности и засухоустойчивости, водный дефицит листьев растений. Установлено существенное влияние стрессовых факторов окружающей среды на водный режим растений.

Ключевые слова: водный режим, древесные виды растений, засухоустойчивость, свободная и связанная вода, коэффициент водоудержания, коэффициент водовосстановления, коэффициент засухоустойчивости, водный дефицит.

И.В. Шумигай. Особенности использования подземных вод в пределах сельских территорий

Выяснено, что неравномерность распределения запасов подземных вод на территории и во времени, возрастающие объемы их использования к их дефициту во многих регионах и странах. Исследован процесс водопотребления подземных вод населением сельских территорий Украины.

Ключевые слова: подземные воды, водопотребления, водопользования

А.В. Чайкин. Экологическая сертификация производства и эволюция экологических потребностей потребителей

Проанализированы современные тенденции эволюции экологических потребностей потребителей. Исследована роль экологической сертификации в их удовлетворении соответственно концепции стабильного развития.

Ключевые слова: экологическая сертификация, сертификация производства, экологические потребности, эволюция потребностей, потребители.

SUMMARY

O. Furdychko, A. Bobko. The forestry purposes land in an environmental and economic dimensions within the land management

The data analysis of the State Land Cadastre records concerning the land resources distribution in Ukraine by the land owners and users of the «Forests and other wooded areas» accounting category has been performed. In particular, attention has been focused on protective shelterbelts and plantations which are recorded within the accounting category with no relation to the forestry purposes land use. The necessity of improving the accounting system of land use in Ukraine, with subsequent reflection of an environmental stabilizing destination objects square within the relevant lands.

Key words: forest, forest land, forestry purposes land, forest ecosystems, forests and other wooded areas.

G. Kaletnyk, O. Klymchuk. Greening Energy — the basis of the state economic development

The current state of the environmental situation due to the uncontrolled use of traditional energy sources has been discussed in the article. Basic ways and directions are given to overcome the negative environmental impacts, among of which an industrial production and use of biofuels are given with a priority role for Ukraine.

Key words: economy, traditional energy, ecology, sustainable development, management, biofuel.

P. Aleknavičius. Agrarian land use regulation in the republic of Lithuania

This paper presents the Lithuanian agricultural land position including suggestions for agrarian areas management control. Proposals are substantiated by the strategic documents and legal provisions of farmland as an exceptional value of natural resource conservation. Rational land use issues in Lithuania may be properly solved by better legislation when drafting planning documents based on scientific recommendations after the return of abandoned lands for economic activities. It is necessary to increase state support for the development of farms and land-use control efficiency.

Key words: land used for agricultural purposes, agricultural land, abandoned land, land information system.

L. Levkovska, A. Sunduk, T. Dobryanska. Ukraine's agricultural sector water supply peculiarities in the context of food security and energy efficiency

SUMMARY

This paper presents basic characteristics of the water supply in agricultural sector and population of Ukraine, features within the system of food safety and energy efficiency. Strategic and tactical priorities to improve water supply that will enable substantially improve its basic characteristics have been submitted.

Key words: water supply, sustainable development, agrarian sector, population, food safety, energy efficiency, the improvement directions.

V. Krasnov, V. Landin. Methodological basis of forest ecosystems rehabilitation contaminated with radionuclides

This paper justifies the criteria and methodology of forest ecosystems rehabilitation contaminated by the Chernobyl NPP accidental release. It was found that during the 27 years that have passed since the accident, radiological situation in affected areas has changed considerably, the area of forest ecosystems with ^{137}Cs density of contamination over 37 kBq/m^2 has decreased from 1,23 million hectares to 0,833. This is explained by the basic physical decay of biologically significant radionuclides such as ^{134}Cs, ^{137}Cs and ^{90}Sr and reduction of its migration ability in plants. It is necessary to implement measures concerning rehabilitation at these areas, i.e. to recover fully the economic activity and forest products use. The main criteria when planning and rehabilitation of forests are: density of radioactive soil contamination; a radionuclides activity in forest products; the forest workers available annual total radiation dose.

Key words: forest ecosystem, radioactive contamination, rehabilitation, management activities, radiation control.

I. Voronetska. The marketing analysis of the organic products market: world experience

Current trends and ways of functioning organic products market in the specific context of its formation throughout different countries have been analyzed. Specific factors influencing the organic products domestic market have been established on the basis of marketing analysis of the indicated market abroad.

Key words: marketing, analysis, market, organic products, global experience.

S. Denysenko. A cluster approach to the ecosafety crop production manufacturing

This paper proves a regional cluster of ecosafety crop production, consisting closely related blocks of the agricultural profile organizations. Conditions of ecosafety cluster formation in Zaporizhzhya region have been identified.

Key words: cluster, environmental safety products, crop production, production, region.

A. Bykin, M. Kostyuchenko. The fertilizers effect on the dynamics of trace elements content in soil when growing a table beet

The research results on the fertilizers influence on the macroelements content in a dark gray podzolic soil have been provided. It is shown that the highest content of nitrogen, phosphorus and potassium application has been provided with the Yara Cropcare (11-11-21) application in $N_{100}P_{100}K_{140}$ the norm with EPSO Microtop compatible Foliar application in dose of 5 kg/ha.

Key words: macroelements, soil, nitrogen, phosphorus, potassium, fertilizer, foliar feeding.

T. Yehorova. Features of the economic evaluation of the shelter belts planted forests ecological-geochemical state

This paper considers an ecological-geochemical evaluation relevance of the forest shelter belts and shows the ecological-geochemical investigation methodology peculiarities of those territories. The system of the economic losses evaluation against contaminated plantations, based on numerical calculations of the hazardous heavy metals mass in soils and watercourses bottom sediments has been proposed.

Key words: forest belts, ecological-geochemical evaluation, chemical contamination, economic losses.

O. Tohachynska. The cultivation technologies influence on nickel absorption by a wheat winter

This paper shows the research results of the winter wheat growing technology impact on the mobile nickel forms contents in the soil as well as vegetative and generative plant organs. Biological absorption coefficients have been determined, as well as a correlation between nickel content in the vegetative and generative wheat organs and its number in the soil has been selected.

Key words: a wheat winter, the biological absorption coefficient, nickel, soil, vegetative and generative organs

H. Khaurdinova, V. Moroz. The Scots pine plantation aboveground phytomass formation on the Kiev Polissia fallow lands.

This paper defines the aboveground phytomass and the pine stands deposited carbon components parameters established on the Kiev Polissia fallow lands.

Key words: Scots pine, modeling, inventory indicators, phytomass, carbon.

A. Krysak. Nature of corporatization and public-private partnership within developing land relations

This article substantiates the corporatization content and features within the development of land relations, the feasibility of public-private partnerships in companies supporting that use land resources, has been determined.

Key words: the legal form, corporate sector, the concentration of capital, land resources, partnership.

O. Kovaliv. The development of rural areas through the operation of balanced agricultural land ownership and land use

This paper considers certain aspects of the current challenges in concerning formation of research-based agricultural land ownerships and land use as a fundamental principle implementation of state regulatory policy on development of rural areas. The overviewof the author's several scientific views regarding the further development course of the land ownership and land use has been performed on the ecological and economic basis. It has been determined that the main one is a comprehensive state land performance during the completion of land reform. It is believed that above all it is necessary to form an efficient farm and family peasant households, which would become as an integral organism of the living environment and the basic mechanism of the cultivation and natural products catering, especially for the needs of all Ukraine citizens.

Attention is focused on the need for legislative and regulatory framework of the free management conditions and economic initiative as well as self-realization, cheap long-term loans and guarantees for sales of products under stable prices only in accordance with the existing land use and land ownerships as the main participants in the proposed implementation of regulatory policy.

Key words: rural areas, land ownership, land use, Agriculture, policy.

O. Butrym. The structure of the land resources in Kyiv region and the optimization of ways for their using

The land resources structure over the past decade with identifying features of its use have been considered based of the level of anthropogenic load and environmental stability for Kyiv region. Outlined ways of increasing the ecological balance of the region's land use.

Key words: land-use structure, land resourses, factory-farm enterprise, antropogenic load, environmental stability.

N. Nesterova, I. Grygoryuk. The water regime peculiarities of the woody plant species within the Kyiv City ecological conditions

This paper shows the results of studying on the water regime of woody plant species within different Kyiv City ecological conditions. The total and fractional water content, water-holding coefficients, water regenerative capacity and drought resistance as well as plant leaves water shortage have been identified. The environment stress factors significant influence on the plant water regime has been found.

Key words: water regime, woody plant species, drought resistance, free and related water, the water retention coefficient, the water recovery coefficient, drought resistance coefficient, water deficit.

I. Shumygay. Features of use of groundwater within the rural areas

It was found that disparity in the groundwater distribution on the area and in time, the increasing use objects have led to shortage of resources in many countries. The process of the rural areas ground water consumption in Ukraine has been investigated.

Key words: ground water, water consumption, water use

O. Chaikin. Ecological production certification and the consumer ecological wants evolution

Article deals with the problem of modern tendency of the consumers ecological wants evolution development. The place of ecological certification in consumer evolutionary ecological want satisfaction under sustainable development condition bounds have been researched.

Key words: ecological certification, production certification, ecological wants, wants evolution, consumers.