

ранах хлоропластов растений конского каштана обыкновенного, конского каштана обыкновенного, формы Баумани и конского каштана красного или павия, который не поражается каштановой минирующей молью. Жидкокристаллическое состояние полярных дипидов мембран хлоропластов рекомендовано использовать в качестве молекулярно-биологической тест-системы для оценки степени поражения и устойчивости видов и форм растений рода *Aesculus L.* к каштановой минирующей моли.

**Ключевые слова:** конский каштан обыкновенный, структура полярных липидов, мембраны хлоропластов, ненасыщенные жирные кислоты, каштановая минирующая моль.

## SUMMARY

**N. Shershun.** Directions reforming organizational-economic structure of management forestry

Sound scientific approach to the formation of a system of forest management, which in contrast to the existing account based on resource and production potential and allow the responsibilities of the management of forest lands and forestry production. A scheme for reforming the governance structure of forestry production by dividing the economic, managerial and supervisory and control functions, which provides for the gradual corporatization of the state of the forest and makes it possible to gain a competitive advantage through the synergistic effect.

**Key words:** forestry, structure, management, reforming, corporatization, effect, function.

**L. Levkovskaya, A. Sunduk, T. Dobryanskaya.** Features of agricultural sector and population of Ukraine in context to the food safety and energy efficiency

In the article investigational basic descriptions of water guaranteing of agrarian sector and population of Ukraine. Their features are studied in the system of food safety and energy efficiency. Strategic and tactical priorities of improvement water guaranteing of agrarian sector and population are offered, which will give possibility with authority to improve him base descriptions.

**Key words:** water guaranteing, sustainable development, agrarian sector, population, food safety, energy efficiency, directions of improvement.

**M. Kocherga.** Methodological support environmental audit in the agricultural sector

Grounded methodological foundations of environmental audit objects in the agricultural sector. Systematized main objectives and principles of environmental auditing in the agricultural domain. The

**В.А. Чудовская.** Организационно-экономический механизм развития производства органической продукции

Усовершенствован организационно-экономический механизм развития производства органической сельскохозяйственной продукции путем применения экономических методов и рычагов при взаимодействии нормативно-правового и информационного элементов на основе государственной поддержки.

**Ключевые слова:** организационно-экономический механизм, органическое производство, экологическая маркировка, государственная поддержка, сертификация.

proposed system of methods and procedures for environmental audits in the agricultural sector.

**Key words:** environmental audits, facility, the agricultural sector, methodology, methods, and principles.

**V. Kiporenko.** Improvement directions of organizational economic mechanism development of organic farming

The current state of organic farming in the Ukraine was considered. Organizational and economic mechanism for the development of organic farming was proposed.

**Key words:** organic farming, organizational-economic mechanism, the development, destinations.

**V. Tereshchenko.** Environmental audit and increase the investment attractiveness enterprises in agrosfera

It is grounded the influence of ecological audits to investment attractiveness of agricultural enterprises that caused necessity to improve environmental management system.

**Key words:** environmental audit, investment, agricultural enterprise, system, management.

**M. Tymofeev, I. Zarudnyak, O. Belyts'ka, T. Golubeva.** Information technologies as mean of activation biogenic agents in agrosphere

Transition to the technologies of continuons resumption of soil fertility and formation of stable agrobiogeocenoses in conditions of mulchelayers in biogenic system of agriculture is associated with the development of information and communication system and program control of optimization functioning of the varions levers of the organization of communities of living organisms.

**Key words:** information technologies, biogenic system of agriculture, mulchelayer, biogenic agents, stable agrobiogeocenoses, shrubs crops, briquette.

**O. Kravchuk.** World experience of formation and development trends of market biofuels

We determined the current trends of the world market for biofuels. Substantiated the main factors underlying the formation of the biofuels market and the possible prospects of its development. Perspective directions of development of the biofuel industry in the world.

**Key words:** biofuels, the development of the market, energy resources, raw materials base, global experience.

**V. Moroz.** Environmental role of oak shelterbelts and their impact on carbon balance in atmosphere

Ecological role of oak and their impacts on global climate changes were studied in this article. The amounts of anthropogenic emissions of carbon dioxide and carbon sequestrative functions of shelterbelts were by the example of Kyiv and Cherkasy region.

**Key words:** oak, belts, phytomass, carbon.

**K Pogorila.** Formation and development of international quota trade for greenhouse gas emissions in the context of agriculture management improvement

The process and reasons for the establishment and development of international greenhouse gas emissions trading has been analyzed. A current state of greenhouse gases emission reduction in Ukraine have been considered.

**Key words:** international trade, quotas, greenhouse gases, greenhouse effect, joint implementation projects.

**A. Isachenko.** The necessity of a high-grade set on land planning operations, modern soil surveys, inventory of long-term unused agricultural lands

The agricultural land management context in the Russian Federation was given. A feasibility to fund a large-scale re-soil survey by the state, inventory of a long-term unused agricultural land and land management have been disclosed. In order to objectively and professionally deal with the long-term unused plots of land and facilitate the return of millions of hectares in the turn.

**Key words:** a land surveying work, an inventory of a long-term unused agricultural land.

**O. Grynyk.** Environmental and economic assessment of the agricultural land management state on the contaminated areas

Ecological and economic assessment of the agricultural land management state in the contaminated areas has been given in the article. Directions for an agricultural production rehabilitation and agricultural land sustainable management in areas con-

taminated owing to Chernobyl accident have been offered.

**Key words:** land, agriculture, environmental and economic assessment, radioactively contaminated territories.

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

This article substantiates the content and features of corporatization in the development of land relations, determined the feasibility of public-private partnerships in support of the companies using land resources.

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

**O. Palenichak.** Economic mechanism to promote of rational agricultural land use

Functioning of economics mechanism of stimulation of rational agricultural land-tenure is reasonable. Basic economic instruments, that must provide the balanced development of agroindustrial production on the basis of the rational use, maintenance and recreation of fertility of soils, are certain.

**Key words:** economics mechanism, agricultural land-tenure, guard of the landed resources, economic incentives, agrochemical evaluation.

**O. Golovina.** Planning for agricultural land use in view natural resource potential

Substantiated scientific and methodological bases of planning of agricultural land use in view natural resources. Offer tools of economic mechanism of ecosystem land use in agriculture.

**Key words:** land use, agriculture, planning, natural resource potential, tools.

**A. Bordyuzha.** Modern state of land information system Ukraine

The article described the role of cadastral information in land management. The land cadastre information system is the basis for the analysis of the modern state of land use. Land information system in Ukraine has been explored and analyzed. The displaying factors that influence the formation of a land information system. It is proposed to improve the information land system for the sustainable development of agricultural land.

**Key words:** land cadastre information, land information systems, land cadastre, land resources, land use.

**T. Demchuk, I. Grigoriuk, O. Serga.** Structure and compartmentation polar lipid of chloroplasts membranes in healthy and diseased plants by chestnut leaf-mining moth of genus *Aesculus* l

The results of research of heterogeneity structure and compartmentation of major groups polar lipids of chloroplast membranes in healthy and dise-

ased by chestnut leaf-mining moth leaves species of plants in the genus *Aesculus* L. Determined the change content of polar lipids and unsaturated fatty acids in the chloroplasts membranes of plants common horse chestnut, common horse chestnut, shape *Baumani*, and horse chestnut red or *pavia*, which is not strucked chestnut leaf-mining moth. The liquid crystalline state of the polar lipid of chloroplast membranes are recommended to use as a molecular biological test systems for assessing degree of destruction and the stability of species and forms in the genus *Aesculus* L. by chestnut leaf-mining moth.

**Key words:** horse chestnut, the structure of the polar lipid of chloroplasts membranes, unsaturated fatty acids, chestnut leaf-mining moth.

**V. Chudovskaya.** Organizational-economic mechanism of development of organic products

Organizational-economic mechanism of production of organic agricultural products through the application of economic methods and tools of the interaction of legal and information items based on government support was improved.

**Key words:** organizational and economic mechanism, organic farming, environmental labeling, government support, certification.

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#### ГРОМАДСЬКА РАДА СХВАЛИЛА СТРАТЕГІЮ РОЗВИТКУ АГРАРНОГО СЕКТОРУ ЕКОНОМІКИ ДО 2020 РОКУ

Держава мотивуватиме формування середнього класу на селі через підтримку сімейних ферм та кооперативів. Це стане одним із ключових напрямків, передбачених Стратегією розвитку аграрного сектору економіки до 2020 року, яку сьогодні розглянула Громадська рада при Міністерстві аграрної політики та продовольства.

Під час обговорення проекту Стратегії Перший заступник Міністра аграрної політики та продовольства Іван Бісюк зауважив, що в Україні найближчими роками закінчується дія Програми розвитку українського села до 2015 року. Тому в Мінагрополітики прийняли рішення розробити Стратегію розвитку аграрного сектору економіки до 2020 року, аби визначити пріоритетні напрямки реалізації аграрної політики.

«Проект цього документу передбачає три основні складові. Перша – соціальна, яку ми реалізуємо через ініціативу «Рідне село», зокрема, розвиток сімейних ферм та кооперації. Друга складова – це економічний блок. Третя складова передбачає екологічні питання. Така модель практикується в країнах Європи та інших розвинутих країнах», – зазначив Іван Бісюк. Документ допоможе забезпечити формування аграрного сектору як соціально спрямованого. Для цього, за словами директора Департаменту економічного розвитку аграрного ринку Віталія Саблука, держава підтримуватиме економічну мотивацію створення сімейних ферм з подальшою їх кооперацією.

У результаті обговорення, Громадська рада рекомендувала Мінагрополітики прийняти за основу проект Стратегії розвитку аграрного сектору економіки до 2020 року у підготовці Державної програми розвитку аграрного сектору.