

V. D. Medenets View on hardiness of winter crops and some varieties according to winter stressors // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.5-10.

Concepts of winter hardiness of winter crops are grounded. Winter hardiness is considered as hardness to winter stressors, which are defined by conditions of coming into dormancy, conditions of coming out of winter dormancy and genotype. This formula is theoretical base for given strategies of re-seeding of damaged sowings according to time of renewal of spring vegetation, express-method of winter hardiness varieties evaluation and selection methods of hardy genotypes of winter wheat confirmed by practice.

P. V. Pysarenko, A. V. Kalinichenko, O. A. Gorb Forming of environmentally balanced agroecosystems by means of elimination of negative effects in present development of soil processes // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.11-14.

Results of agroecological monitoring of land resources state in Poltava region are given, main problems of forming of environmentally balanced agroecosystems of region and the ways of decision are stressed.

V. P. Leontovych, M. A. Bobro Hydroponic feed and effectiveness of growing // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.15-18.

Beneficial impact of presowing seed biostimulation and pulsed fluorescent lighting of vegetative surface on power consumption of biomass and hydroponic feed yield has been established.

I. P. Brazhenko, V. V. Gangur, I. V. Kramarenko, I. O. Cherkizov, K. P. Udovenko, L. A. Brazhenko Time of renewal of spring vegetation of winter wheat – care and productivity // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.19-25.

Analysis of 42-years results of winter wheat cultivation confirms that ecological effect of time of renewal of spring vegetation is predetermined not by height of the Sun on the sky and temperature conditions under influence of warm and cold atmospheric mass dislocation. Final productivity of winter wheat is formed not by start conditions at the beginning of vegetation (character and quality of solar radiation) but by vegetation duration from renewal till ear formation. The longer this condition is the more complete winter wheat uses elements of root and atmospheric nutrition.

E.S Vasfilova Seed production and seed quality of *Echinacea purpurea* (L.) Moench. in conditions of southern taiga // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.26-29.

The seed production (number of achenes in one head and in one plant) of *Echinacea purpurea* during introducing in conditions of the Middle Ural (southern taiga) corresponds as a whole to the data, received as for other areas of subzone of southern taiga, so and for regions with more favourable natural-climatic conditions. Mass of 1000 seeds and their laboratory germination is a little lower than in areas with softer climate, though energy of germination of seeds is on the high level. All investigated parameters subject to observable fluctuations depending on weather conditions of concrete vegetative seasons; age of plants influences upon these parameters much more weakly. High germination is characteristic of achenes, collected from plants not younger than 3 years. Achenes save initial germination and its energy on length 2-3 years of keeping.

Miroshnichenko I.V. Influence of density of crop on productivity and other quantitative characters of pea varieties with different morphotypes // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.30-36.

Research of influence of various density of crop on productivity, factors pod- and stem-formation and a range of economic-useful characters at modern varieties of peas of a

different leaf morphotype is carried out. The reaction to different seed rate – 120, 100, 80 and 60 seeds on 1 m² all varieties have shown unequivocal law – with reduction of seed rate and, accordingly, to density of seed productivity of plants increased due to increase in the area of leaflets, number of productivity stems on a plant, weights and number of seeds on a plant, number of pods and plant weight. Least on increase in a crop of seeds the weight of 1000 seeds and pod-formation has influenced.

E.Yu Suvorova., O.Yu. Leonov Breeding importance of winter bread wheat lines obtained by wheat-triticale hybridization with triticale // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.37-41.

The results of 38 winter wheat-triticale hybrid lines (bread wheat) trying for winter hardiness, earliness, height of plants, yield components, disease resistance, technological parameters of quality are indicated. The characteristic of the best lines that were passed to NCPGRU is given.

M.M. Kharytonov The top water suitability assessment for the farmstead plots irrigation // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.42-43.

The well-water chiefly is suitable for the soil irrigation of the farmstead plots without any risk for soil alkalization development. Taking into account the technogenic impact risk it is obviously to conduct the monitoring of the top water in the closed with mining districts.

N. Ya. Shevnikov Particularities of soybean water use in the conditions of Left-bank forest-steppe of Ukraine // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.44-48.

It was set forth the research's results of study the Soya's productivity depending on conditions soil's moisture-ensuring in the conditions of Left-bank forest-steppe of Ukraine. It was put, that the moisture's deficiency in the period of Soya's vegetation, influenced on general its productivity by a growth and a morphogenesis, decreasing the sizes of leaf surface, quantity and sizes of branch, accelerating the ageing and dying away of vegetative bodies. Arid conditions further to falling off of buds, flowers and young bean plants decrease the quantity of three seed bean plants, what is the reason of lowering the general Soya's productivity.

V. I. Izdepskiy, S. N. Kulinich, S. G. Glushchenko, V. M. Grabko State of separate biochemical blood and hoof horn indices at pyoinflammatory process in cow toe // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.49-52.

Detailed analysis of laboratory tests of samples of hoof horn and blood serum are given in dairy cows that have pyoinflammatory process in distant section of extremities during winter barnyard period.

P.N. Gavrilin, M.A. Leshchova Law-governed natures of structure-functional transformation of tissue components lymphatic knots of the cattle in the fetal period of ontogenesis // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.53-56.

Law-governed natures of age dynamics relative area connective and lymphoid tissue of somatic and visceral lymphatic knots of the cattle in the fetal period of ontogenesis were determined. Peculiarities of quantitative and qualitative transformation the functional zones of the lymphoid tissue lymphatic knots the foetus in the maturity species of mammals are established.

A. A. Zamazyi Changes of immune-biological, biochemical and morphological blood indices after vaccination in calves born from agelmint cows treated with brontel // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.57-59.

Brontel of 10% used for in-calf cows during latest period causes in new-born calves after vaccination during the period of

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immunity formation, depression of protein metabolism, haemopoiesis and humoral immunity increasing cellular one.

M.I. Korchan., S.M. Sadoviy., L.M. Korchan Dynamics of some clinical and gematological parameters in calves of Simmental breed at first days of life // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.60-63.

Physiological limits of norms for some clinical and gematological parameters in calves of Simmental breed are studied and offered. Experiments were carried out with the same calves from birth till 2 months during winter-spring.

V. P. Sukhonos Pathogenetic factors of joint dysplasia in dogs // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.64-67.

The common features of ethnology and pathogenesis of different clinical forms of joint dysplasia of extremities in dogs are investigated. The pathogenesis factors of these diseases are specified and systematized.

Zh. O. Peredera, N.S. Shcherbakova, E.S. Peredera Veterinary-sanitary estimate of sea fish affected by anisakiasis advertised for sale in markets of Poltava // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.68-70.

Veterinary-sanitary estimate of sea fish (herring, sprat) affected by larvae of anisakiasis advertised for sale in markets in Poltava in 2004-2005.

N.P. Talavirya Methodological approaches to the realization of state support on agriculture // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.71-74.

The article deals with methodological aspects to the realization of state support on agricultural producers on the base of the world practice.

V.V. Pysarenko., V.I. Levoshko. Foreign and domestic experience of integration communications and wholesales in a fruit-and-vegetable subcomplex // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.75-77.

The modern position and efficiency of integration communications in a fruit-and-vegetable subcomplex is studied. New opportunities of enterprises of a market infrastructure in Ukraine and Poland are investigated on a practical example. It is given attention to expediency of development of wholesales which agrotrading formations of different organizational forms should be engaged.

O. A. Buzhyn Structuring of prime cost in livestock breeding // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.78-80.

The problem of necessity of structure improvement of prime cost in livestock-breeding from the position of operating management through more detailed reflection of expenses articles was raised.

A.A. Galych Inner economic mechanism of agrarian enterprises in the conditions of forming of markets relations // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.81-85.

Main point and features of forming of inner economic mechanism of enterprise is explored. Basic constituents: organizational-and-technical system, market system into an enterprise, planning of activity of subsections, control and estimation of activity of subsections, system of property accountability of subsections, motivational mechanism are defined.

O.V. Dorofyeye., O.A. Orlov Forming of project effective management system as one of the main ways of competitiveness increase of enterprise activity // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.86-90.

Some aspects of the project management using joint stock association “Poltava Poultry Farm” are considered. The importance of forming of project management effective system as one of the main ways of competitiveness increase of enterprise activity

is presented.

E. G. Krasota Peculiarities of management accounting agricultural machines and equipment relations // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.91-93.

Peculiarities of management accounting agricultural machines and equipment are given.

O. N. Krasnikova Social status of Ukrainian peasantry in the period of free business undertakings (the end of the 19th –the beginning of the 20th century) // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.94-97.

Main criteria of concept definition: “poor peasant”, “peasant of average means”, and “well-to-do” have been discovered. These criteria are used by researchers of Economic History for definition of peasantry social structure during that or other stage of the development. It has been established that the level of peasant family welfare was in a direct dependence on that region where petty economy functionated.

Z. M. Levchenko, L. A. Nekrasenko, O. N. Kravets Accounting automation in agriculture // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.98-103.

The question of information processing automation at agricultural enterprises with usage of software product “1C: Configuration for Ukrainian agricultural enterprises”. The problems of accounting procedures organization in automation condition of cost process are covered.

L. V. Rybalko Role of intraeconomic control in the management system at enterprises // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.104-106.

The questions of main point intraeconomic control and the role of this control in the management system are considered.

B. D. Tytarenko Perfection of the attractions of foreign investments methods relations // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.107-112.

The article deals with the basic types and forms of investments and the attractions of foreign investments methods. The main results of real investments are underlined. The analysis of the current state of the investment market of Ukraine was done. The suggestions as for the development of the investment market of Ukraine in future are given.

V. A. Ulyanich Economical main point of circulating assets // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.113-115.

Methodological and theoretical aspects of definition of deep economical main point and perfunctory forms of circulating assets display, circulating assets contents represented in accounting and accounts are considered.

S. Yu. Khamynych, E. V. Matus The problems of the enterprises competitiveness on a way to integration of Ukraine into EU // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.116-119.

The problems of the competitiveness of domestic goods under the condition of the integration Ukraine into the European Union have been covered. Special attention was paid to demands towards products quality as a factor of Ukrainian producers’ competitiveness, necessity of the adaptation of technical norms and standards to the foreign consumers’ requirements.

N. V. Kharchenko Foreign experience of definition of dividend size // *News of Poltava State Agrarian Academy.* – 2006. – № 1. – P.120-123.

Some definition such as the residual theory of dividend payments; Lintner model; policy of stable dividends; double taxation; decisions about dividends and company cost are considered.

O. A. Bublyk To the questions of standardization of erythrocytes suspension for serological tests // *News of Poltava State*

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Agrarian Academy. – 2006. – № 1. – P.124-126.

The results of definition of optical density of erythrocytes suspension of four sheep at usage of photoelectrocolorimeters FTR-56G, KFK-2, KFK-3 are compared. It has been showed that to control stereotype one can by means of usage of these devices.

O. S. Klymenko Influence of climatic conditions on mosquito activity that are bridging species of setarias // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.127-128.

The analysis of literary data results and author's investigations on study of climate conditions which influence on mosquito activity that are bridging species of setarias is given.

O.V. Katygrobova The problem of performing the institution transformations of the economy in modern conditions // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.129-133.

The problems of institution reforming of Ukraine economy are given. The peculiarities of performing institution transformations in modern conditions are defined, and the priorities of the Ukraine economy transformation in future are suggested.

E. O. Konchakovskiy Labour motivation and peculiarities in agrarian sphere of agri-industrial complex // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.134-137.

The article is devoted to the research of theoretical bases of labour motivation in agrarian sphere. The essence of labour motivation as the basic compound of industrial resources in agrarian sector of economy is determined.

The main theories of labour motivation and peculiarities of their practical use in agriculture are examined.

O. A. Laslo Ecological education and culture at higher educational establishments agrarian direction of Poltava region // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.138-142.

Social and pedagogic model of ecological education is directed not only to mastering scientific of using natural resources by a man, but to forming some valuable orientation, active life position as well. Ecological education is considered as non-stop processes which involve all age social and professional groups of population. Special attention is paid to ecological education in higher schools which depends on the adapted conception on the basis of interdisciplinary and multidisciplinary models.

O. P. Lytvynenko Peculiarities of usage of separating funnels of different modification which are used for trichinosis diagnostic by method of muscle samples digestion in artificial gastric juice // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.143-144.

Testing of separating pear-shaped and cylindrical funnels for trichinosis diagnostic by method of muscle samples digestion in artificial gastric juice was conducted.

O. V. Myshchenko Agroecological meaning of Echinacea purpurea as a predecessor for crops // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.145-147.

Possibility of usage of Echinacea purpurea as a predecessor under crops has been defined. The reaction of winter wheat, spring barley and millet on this predecessor has been marked.

V. V. Olefir Particularities of the systems provision of pensions in EU // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.148-153.

Particularities of the systems of provision pensions, as well as aspects of activity Non-State pension funds in a part concerning tax politicians and assets of some European countries are considered.

A.O. Onishchenko Linear indices of pure and cross bred young pigs relations // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.154-156.

Comparative characteristic of linear indices of development of young pigs, obtained when carrying out pure and cross breeding, has been conducted. The influence of a genotype on peculiarities of a body structure and on exterior animal properties has been ascertained.

Yu. O. Romanchenko Up-to-date condition and development trend of oil production in Poltava region // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.157-161.

The state of up-to-date condition of sunflower oil production in Ukraine and Poltava region is considered. The main trends of oil production and perspective directions of development at the regional level are determined.

Yu. V. Samoilyk Marketing researches as a constituent of management of a meat-processing enterprise // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.162-164.

The estimation of meat products market of Poltava by the means of marketing research is carried out. Demand for production of meat-packing plants, which presented at Poltava market, and factors which induce the consumer to purchase are analysed.

L. V. Chernenko Ways and methods of management of accounts receivable // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.165-167.

Actuality of management of accounts receivable of enterprise; the essence and particularities of the current restructuring of accounts receivable has been discovered.

Ye. V. Chukhlib Bone tissue firmness in swine of different productivity directions relations // News of Poltava State Agrarian Academy. – 2006. – № 1. – P.168-171.

The results of experimental investigations concerning firmness testing of thigh bones in young pigs of different productivity directions (Large White, Ukrainian steppe White, Large Black, Poltava Meat) are analysed.

Редакційно-видавничий відділ Полтавської державної аграрної академії

Комп'ютерна верстка: *Любов Ярова*.

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