

**Kramarev S.M., Pisarenko P.V., Krasnenkov S.V., Andrienko A.L., Isaenkov V.V.** Use of water of hybrids of corn and their paternal forms depending on the terms of sowing, density of plants and mineral fertilizers in the conditions of north Steppe of Ukraine // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.6-15.

On the basis of long-term data of study of influencing of mineral fertilizers on use of water hybrids of corn of different groups of ripeness action on this index of two factors is set: hybrid and terms of moistening. At the offensive of drought in the first ten-day period June more developed plants of precocious hybrids more intensive use soil moisture on evaporation, than plants of other groups of ripeness. And if the deficit of precipitations shows up at the end of June, then at more late ripe hybrids, passing of basic phases of development takes place at considerably less humidity of air, than at middle ripe biotips. Under influencing of the borne fertilizers the hybrids of all groups of ripeness bring a coefficient down of use of damp.

**Kramarev S.M., Pisarenko P.V., Shevchenko M.S., Lerinets F.A., Bondar V.P., Andrienko A.L., Isaenkov V.V.** Efficiency of herbicides in agrotsenoz corns Report 1 // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.16-24.

On the basis of generalization of several years investigation (1978-2004) have been conducted in permanent temporary and industrial field experiments effective methods of weed control in crops of maize with chemical means usage and land treatment are shown. Practical recommendation on the effective utilization of herbicides in crops of maize have been given.

**Yatsun T.P., Pisarenko P.V., Opara N.N., Gordiga A.G., Bohan Z.M., Kavalir L.V., Horolets N.I., Yatsun Yu.V.** Influence of the V.V. Dokuchaeva researches on becoming and development of agronomics of Poltava // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.25-28.

Influence of results of leadthrough of scientific researches of V.V. Dokuchaeva is analysed on becoming and development of agricultural experimental business and practical agronomics on Poltava.

Functioning of agroindustrial complex on market bases and further perfection of process of his reformation on the modern stage require to take into account not only foreign but also the historical experience.

**Shevnikov N.Ya., Koblay O.O., Phesenko M.M.** Influence of ultrasonic radiation on parameters laboratory young growth of seed bean // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.29-33.

Studied influence of ultrasonic radiation on parameters laboratory young growth of seed bean. The optimum duration of an irradiation is established. The duration of a positive effect after an irradiation is investigated.

**Shemavnev V., Geller A., Pashova V.** Bichophyte native mineral influence on the alfalfa productivity, quality and productivn nitrogenix // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.34-38.

The nitrogen and byshophyte long-term positive impact reflected on alfalfa prooluctivity, hay guality, in the phosphorus - potassium background. The crude protein content increased on 2,0 - 3,7%, nitrates number was not over 1000 ung/kg. Effective soil fertility has been fixed.

**Pishchalenko M.A., Pisarenko S.V.** Development of general principles of research of entomofauns agrotsenoz on Poltava at the end of XIX - at the beginning of XX century // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.39-42.

History materials at becoming are resulted and development of entomological researches on Poltava; work of the first entomological bureau of the Poltava province zemstvo; specific composition of the most widespread wreckers of spring wheat of the agrotsenoz Poltava province of end winter and XIX - began XX century.

**Gangur V.V., Pavlyuk A.A., Marenych M.M.** Effectiveness of intensification factors in the technology of winter wheat cultivation // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.43-46.

According to the results of researches it has been established that one of the most efficient factors that influence on the yield level of winter wheat is providing plants with nutrition. Positive influence of this fact was observed independently of the weather conditions existing during growing process. The factors of plant protection did not have significant influence separately, but the complex effect was considerable.

**Filonenko S.V.** Productivity and technological qualities of root crops of sugar beet depending on the extraroot additional fertilizing by micro ferlization // *News of Poltava State Agrarian Academy*. – 2008. – №2. – P.47-52.

The results of researches of influencing of the extraroot additional fertilizing are expounded by different doses of complex mikro fertilization of a new generation «Reakom-R-buryakove» on productivity of sugar beet of hybrid Shevchenko and technological qualities of his root crops in the conditions of one of sugar-beet economies of region.

It is set, that applying «Reakom-R-buryakove» is expedient in the phase of closing of leafs in spaces between rows. The dose of a 6 l/ga proper preparation is optimum. The extraroot bringing of the proper dose of «Reakom-R-buryakove micro ferlization » has a stabilization influence on density of plants of culture, provides intensive growth of their assimilation surface, prevents dying off of old leafs, by what is instrumental in the improvement of photosintetic activity of plants, optimizes activity of ferments complex in them, improves comprehensibility of macroelemnts.

Optimization of different biochemical processes in the plants of sugar beet after the extra root additional fertilizing by «Reakom-R-buryakove micro ferlization » positiv tells on productivity of culture and improvement of technological qualities of its root crops, in particular sugar, that in an eventual result is instrumental in the increase of yield of sugar per a hectare.

**Glushenko L.D., Sidorenko A.V., Khomenko L.V., Kalinichenko S.M., Bilanovich O.L.** Sideration - one of many backlogs of improvement of fertility of soil and increase of productivity of agricultural cultures // News of Poltava State Agrarian Academy. – 2008. – №2. – P.53-55.

It is proved, that sideral pairs on Poltava are instrumental not only stabil in the high performance of winter wheat but also its quality is improved. One of the simplest and effective methods of increase of fertility of soil, improvements of his fito being, there is the use of green fertilizer, or in other words, siderata. That authors bring economic task over is actual, which enable to find a sideral culture, in this case - buckwheat most advantageous for growing in the area of inconstant.

**Borovskaya I.Yu., Petrenkova V.P., Baranova V.V.** Level of the affection to phomopsis agent sunflower hybrids relation between for the meteorological conditions of the North-Eastern Forest – Steppe of Ukraine // News of Poltava State Agrarian Academy. – 2008. – №2. – P.56-59.

There have been presented in the results of 4-year research of sunflower hybrids relation between the affection of to phomopsis agent and for the meteorological conditions of the North-Eastern Forest – Steppe of Ukraine.

**Pishchalenko M.A.** Analogo-statistical method of prognosis of appearance on territory of the Poltava region of cereal flies: gessenskoj (Mayetiola destructor Say.) and the oat Swedish fly (Oscinella frit L.) // News of Poltava State Agrarian Academy. – 2008. – №2. – P.60-62.

Resulted history materials about mass reproductions of gessenskoj and oat Swedish cereal flies on territory of the Poltava region. Conformities to the law of mass reproductions of the indicated wreckers are shown and the regional long-term prognosis of beginning of their next populyatsions cycles is developed.

**Kiryay V.M., Kiryay M.V.** Value of samples of collection of winter common wheat for selection on productivity in the conditions of forest-steppe area of Ukraine // News of Poltava State Agrarian Academy. – 2008. – №2. – P.63-69.

Results of six-year studying of collection samples winter common wheat are given, the sources of economic-valuable attributes deserving further use in selection are selected. Varieties combining high productivity with high parameters of elements of productivity are specified. Positive correlation between harvest and elements of productivity is established. Dependence of a level of exhibiting of attributes on conditions of cultivation and a geographical parentage of samples is determined.

**Patyka T.I., Ermolova V.P., Kandybin, N.V. Patyka V.F.** Formation population of resistance at insects to entomopathogenic bacteria *Bacillus thuringiensis* // News of Poltava State Agrarian Academy. – 2008. – №2. – P.70-75.

Data of the comparative analysis of a susceptibility of contact populations *Musca domestica* L2 (10 generation) to entomopathogenic *Bacillus thuringiensis* (BtH1 - var.

*thuringiensis*, BtH10 - var. darmstadiensis). Absence of resistance in populations of insects to Bt-preparations and them entomotoxins is revealed.

**Gordienko I.N.** Standardization of technological processes for production of vegetables and seeds of vegetables plants // News of Poltava State Agrarian Academy. – 2008. – №2. – P.76-77.

There are elucidated problems of standardization of technological processes in the vegetable growing field. Technological operations to which there determined requirements in standards on the technology of vegetables, melon crops and seeds growing are listed.

**Dikhtiarenko A.V.** Propagation by green cuttings and growings of own-rooted plantings of Chinese Magnolia Vine in the Right-Bank Lisosteppe // News of Poltava State Agrarian Academy. – 2008. – №2. – P.78-82.

The prospects of using true-rooted propagation of Chinese Magnolia Vine are discussed. The author has characterized the factors influencing the efficiency of the adventitious root formation of stem cuttings of perspective and new varieties and forms of Chinese Magnolia Vine for the conditions of the Right-Bank Lisosteppe – a variety genotype, terms of grafting, metamerism of cutting material, a shoot type, the effect of growth regulating substances of auxin nature etc. On the basis of the analysis of the economic efficiency of true-rooted planting trees cultivation, it is stated that those trees have low production cost and high efficiency.

**Bochevar O.V.** Quality indexes formation of the spring barley grain under meteorological conditions in the southern-western steppe zone of Ukraine // News of Poltava State Agrarian Academy. – 2008. – №2. – P.83-86.

It was shown the peculiarities of the weather-climate conditions of southern-western steppe zone of Ukraine influence on quality indexes formation of the spring barley varieties grain under planting density and nitrogen-phosphorus fertilizers incorporation.

It was established the pre-requisites for barley grain getting which is available for bear preparation in the field conditions.

**Moroz P.I.** A questions of ecologization of methods of fight is against colorado beetle // News of Poltava State Agrarian Academy. – 2008. – №2. – P.87-89.

For many thousand Ukrainians a potato is major after bread food stuff, 90% it reared on the small and summer residence holdings. But without permanent defence from the Colorado beetle to get it harvests it is practically impossible. In that time the protracted and surplus fascination by the chemical methods of fight against this wrecker and underestimation of another ways resulted in worsening quality of the reared products and surplus contamination of natural environment.

**Dukhin E.O.** Yield and quality of turnip celery depending on mineral fertilizers ratio // News of Poltava State Agrarian Academy. – 2008. – №2. – P.90-91.

There is determined the yield increase of selery root on typical black soil of the Left Bank Forest-Steppe of Ukraine when applying mineral fertilizers  $N_{60}P_{60}K_{90-120}$ . This ensures the yield of root about 33.4-39.6 t/ha with-

out worsening of chemical indices.

**Kotchenko M.V.** Yield of corn parental forms in dependence on technology of growing // News of Poltava State Agrarian Academy. – 2008. – №2. – P.92-94.

The results of research of growth, development and productivity forming are presented in the article. The treatments were based on yield measures of varieties middle-early Slavutich 271 MV and middle-ripening Dni-provs'kyj 309 MV in correlation with plants stand density and level of fertilisation.

**Grechka G.M.** Some features swarming of the ukrainian steppe bees // News of Poltava State Agrarian Academy. – 2008. – №2. – P.95-96.

The parameters describing change of a physiological condition of melliferous bees, dynamics of their cultivation and productivities are adduced.

**Berezovskiy A.V., Shevchenko A.N., Pozhivil A.I., Ischenko A.V.** Efficiency of Brovermektin-gel and Brovadazol-gel at parasitocenosis of helminthosis-gastrofilosis in horse // News of Poltava State Agrarian Academy. – 2008. – №2. – P.97-99.

High anthelmintic and insecticide efficiency of Brovermektin-gel and Brovadazol-gel (research and production firm «Brovafarma») is certain in the recommended doses at parasitocenosis in horses (parascariosis, gastroenteric strongylatosis, oxyurosis, gastrofilosis).

**Birta G.A.** Analysis of growth of separate muscles of pigs of different breeds depending on the type of feeding // News of Poltava State Agrarian Academy. – 2008. – №2. – P.100-103.

Growth of separate muscles of pigs of different breeds depending on the type of feeding is analysed. From placing of muscles and functions which they execute, quality of meat depends. Muscles which intensively worked in the time of life animals (muscles of neck, breast, stomach and front extremities) contain more of connecting fabric, therefore more hard, their food value is unhigh. Muscles fabric of old animals is more hard, and the color of her is darker, than at young animals.

**Girya V.M., Usatchova V.Y.** Feeding meat qualities of Big white breed's pigs of selective herds // News of Poltava State Agrarian Academy. – 2008. – №2. – P.104-107.

The results of studying feeding and meat qualities of Big white breed's pigs of different selective herds in conditions of feeding – experimental station are given.

It is set, the best fatten qualities are owned by genotypes from SGK «Shabolat» the Odessa area: on 11,3% before 100 kg arrive at living mass at more high on 10,1% average daily increases and less on 8,8% charges forages on unit of products.

The best qualities were mark posterity from Slavutich 37 from DPG Sumskogo APV, which on 4,6% little long half-carass, on 9,6% thinner shpik above a level by 6-7 pectoral vertebrae and on 16,1% greater area of «muscles bee-entrance».

**Titarenko O.A.** The gradient of the macrominerals spatial distribution in the pigs uterine horns as the manifestation of the local between-tissue differentiation of the

physiological process in the uterine tissue // News of Poltava State Agrarian Academy. – 2008. – №2. – P.108-112.

Presented are the results of the experiments and the theoretical ground of the gradient of the macrominerals spatial distribution in the pigs uterine horns endometrium and miometrium in the connection with the local between-tissue differentiation of the physiological process.

**Merzlov S.V.** Optimization of ligands concentrations during making of cobalt-containing compounds // News of Poltava State Agrarian Academy. – 2008. – №2. – P.113-114.

In the research institute of ecology and biotechnology in the stock-raising of Bila Tserkva national agrarian university the preparations of cobalt, in which metal is in composition of organically-mineral complex were synthesized. An optimal correlation between the concentrations of metal and ligand while making of complex cobalt compounds was defined.

Determination of biometal maintenance in chelate structure was conducted with the use of atomic absorptive spectrophotometries.

**Sosnovskaya O.O., Golub N.D., Salogub A.M.** From experience of revival of the pig breeding // News of Poltava State Agrarian Academy. – 2008. – №2. – P.115-117.

Experience of development of industry of the pig breeding in LTD, is explored „agrofirma „Rodyuchist" Sumskogo district. Basic factors which will determine efficiency of industry in the nearest prospect are marked.

**Rublenco M.V., Andriets V.G.** Platelet aggregation of dogs and pigs at physiologic norm // News of Poltava State Agrarian Academy. – 2008. – №2. – P.118-120.

Platelet aggregation of clinically healthy dogs and pigs was investigated. The characteristic of aggregation is submitted in following parameters: a total index platelet aggregation, speed of aggregation and an index of disaggregation. There were showed parameters of aggregation at its provocation by different inductors – ADP, collagen and Ristocetinum. The main parameters of aggregation and limits at physiologic norm were established. Certain different of platelet able aggregation between dog and pigs was showed.

**Borisevich V.B., Borisevich B.V., Petreko O.F., Zhuk A.A.** The particularities of dog's casual wounds // News of Poltava State Agrarian Academy. – 2008. – №2. – P.121-124.

Casual wounds in dogs may be cut, bite, hurt, torn. They mainly infected by staphylococci, streptococci, as well as by microorganism associations. Wound's microorganisms is the most sensitive to zephalosporins and macrolides. In natural reluctance of the microbial aggression take the active participation the myeloperoxidase, phagocytosis and lisocym.

**Kulinich S.M.** Ground of complex therapy with the use of sanobits, sulfate of copper preparations made on the basis of 2-merkaptbenziazol // News of Poltava State Agrarian Academy. – 2008. – №2. – P.125-128.

It is set as a result of the conducted researches, that a 5% sulfate of copper, the opposition of ill mean of sanobit and preparations made on the basis of 2-merkaptbenziazda oppress growth of most pathogenic bacteria and mushrooms, and can be used for medical treatment of many processes in area of area of finger at the cows caused by action of microscopic mushrooms.

**Melnik O.P., Moroz V.F.** Mechanisms of functioning of extremities of fourlegs animals during ground statolokomots aparats // News of Poltava State Agrarian Academy. – 2008. – №2. – P.129-133.

The work gives data of electrophysiologic and biomechanic studies of the function of musculoskeletal system during terrestrial stato-locomotion.

The results of the study showed that it is necessary to include in stato-locomotor apparatus apart from extremities also muscles of the body, neck and head.

During movement these groups of muscles are closely integrated with muscles of extremities and perform the principal function on the body transfer.

**Ksyonz I.M., Tsivenko T.M., Derzhgovska E.O.** Dynamics of the infection process growth at the experimentally induced chlamydiosis on the pcr testing results // News of Poltava State Agrarian Academy. – 2008. – №2. – P.134-137.

Conducted is the PCR-method study of the biological material samples taken from gnotobiotic piglets used for the laboratory studying the experimental Chlamydiosis reproduction on the 11-th, 22-nd and 35-th day after infecting. Observed is the infection process growth already on the 11-th day after infecting as well as its dynamics according to the positive results in the “contact” animals.

**Kirichko E.B., Kirichko B.P.** The species peculiarity in systems peroxidant oxidation of lipids and antioxidant protection // News of Poltava State Agrarian Academy. – 2008. – №2. – P.138-140.

The article state some index peroxidant oxidation of lipids and antioxidant protection maintenance of blood clinical healthy cattls, sheeps, pigs and dogs.

**Skrypka M.V.** The pathological-anatomic changes by Chlamydia wich are ill on Chlamidiosis // News of Poltava State Agrarian Academy. – 2008. – №2. – P.141-142.

Sows with Chlamidiosis infection are characterized by changes of sex system in form of proliferative-necrotic affection mucos and muscular membranes of womb, sclerosis of ovaries. All ill animals have purulent-necrotic and ploliferative pneumonias with different levels of complexity. There are also some changes in blood-making organs, especially inflammation processes in lymph nodes of pelvic region and also dystrophic changes in parenchymatous organs.

**Lokes P.I., Starchinova E.V.** Medical treatment of pathological bites at high-pedigree dogs // News of Poltava State Agrarian Academy. – 2008. – №2. – P.143-145.

To analyse different methods of deformed bites’ correction in consequence of disposition of separate groups of teeth. To define optimum terms of orthodontic instruments using.

**Yevstafyeva V.A.** Dynamics of morphological indexes of blood at the associative parasitosis of pigs // News of Poltava State Agrarian Academy. – 2008. – №2. – P.146-149.

The results of researches, conducted with the purpose of determination of influence of different associations of parasitosis of pigs are expounded, namely: associations of nematodes, association of the simplest and association of nematodes, simplest and scabby pliers on the hematological indexes of animals.

**Titarenko E.V.** Influence of Poltava bishofit solution on immunity level of pigs have been vaccinated against salmonellosis // News of Poltava State Agrarian Academy. – 2008. – №2. – P.150-151.

The article is dedicated to the study of increasing efficiency of pigs salmonellosis.

The necessity of application of means of correction immunity status of pigs have been vaccinated against the salmonellosis with addition of the Poltava bishofit solution in the ration.

There have been developed a method of increasing the efficiency of prophylaxis of pigs salmonellosis with addition in the ration of pigs have been vaccinated against the salmonellosis.

**Peredera S.B., Teslenko P.V., Zaika O.V., Peredera O.S.** Epizootology, diagnostics and recovery from Leucosis of cattle // News of Poltava State Agrarian Academy. – 2008. – №2. – P.152-153.

The analysis of existent methods of making healthy of herd of cattle is conducted from a Leucosis in obedience to operating instruction and recommendations of professor L.I. Nagaevoy making healthy complex methods with the using of liquid adsorbable of inactivated vaccine against the Leucosis of cattle and use of RID-negative calves, got from leucomic cows for the recreation of herd. The method of making healthy of herd from a Leucosis in Australia with the use of ELISA test at research of milk and whey of blood is resulted .

**Kirichko B.P.** The effective corration peroxidant oxidation of lipids processes and antioxidant protection local forms purulent-inflammations processes treatment of cattle // News of Poltava State Agrarian Academy. – 2008. – №2. – P.154-157.

The article state the modern polifactors preparatons local and sistem influens of clinical state and prooxidant-antioxidant homeostasis local purulent-inflammations processes treatment of cattle, has been his prognosial importance.

**Grubich P.U., Milanko A.A., Bilobrow V.V., Kazachkova V.V.** Comparative estimation of use different adjuvants for reception immunal serums to ehv1,4 // News of Poltava State Agrarian Academy. – 2008. – №2. – P.158-160.

In clause the basic are shined stages receptions hiperimmunal serums of rabbits to a EHV1,4 with different adjuvants and the level of antibodies in reaction of microneutralization is investigated.

**Polkovenko O.V., Nedosekov V.V., Nesterenko T.G., Martynjuk A.G., Dudnik N.V.** The immunoprofylactic

of the rabbit haemorrhagic disease and myxomatosis // News of Poltava State Agrarian Academy. – 2008. – №2. – P.161-163.

The manuscript is dedicated to rabbit haemorrhagic disease and myxomatosis studying. We showed, that the immunisation is the most effective prophylactic item against rabbit haemorrhagic disease and myxomatosis. We made the analysis of vaccines against the most virulent infection diseases in the world. We demonstrate data about the new vaccines: "Haemorrhagivak A", "Bivak A" and "Myxovak A".

**Rudenko A.F., Rudenko P.A., Rudenko A.A., Klimenko S.S.** Theoretical and experimental motivation inaktiv Escherichia coli subletalini concentration of the formaldehyde and hydrogen peroxide // News of Poltava State Agrarian Academy. – 2008. – №2. – P.164-168.

Theoretically and experimental is motivated multifunction use subletal concentration hydrogen peroxide (0,3%) and formaldehyde (0,1%) for snactivation Escherichia coli for 12,8 hours at the temperature 37 °C. The Designed modes snactivation escherichias which will allow to raise in 3,0–5,2 times immunogenis antigenic preparation than under separate using phormalins and hydrogen peroxide.

**Luk'janova G.A.** Features of lymfocytes status of blood of horse with a stronglyyata // News of Poltava State Agrarian Academy. – 2008. – №2. – P.169-171.

Information and their analysis is resulted concerning the changes of lymfocytes type of blood at the horse with an intestinal stronglyyata with the expressed clinical and subclinical display of disease on different stages of parasite process.

**Smerdov A.A., Volkov S.I., Landar A.A.** Influence of UHF irradiation on seeds metabolism // News of Poltava State Agrarian Academy. – 2008. – №2. – P.172-174.

It is known that UHF irradiation of seed before sowing have an influence on behavior of seed such as germinating and growth power. But this process also can have the negative effects. There is attempt to relevance analysis of significant UHF factors in this work. These factors have to control during irradiation.

**Arendarenko V.N., Kharak R.N.** Classification of devices for collecting and elimination of insects-wreckers // News of Poltava State Agrarian Academy. – 2008. – №2. – P.175-177.

Methods are considered of pest control on a potato and classification of devices for collection and elimination of insects-wreckers is developed. Chemical, biological and mechanical methods are selected. It is set, that the existent devices for collection and elimination of insects-wreckers have the same structure.

**Kalinichenko V.N.** Ways of abbreviation of energy consumption in agricultural production // News of Poltava State Agrarian Academy. – 2008. – №2. – P.178-182.

The ways of decline of energy consumption at production of agricultural goods due to application of alternative energy sources and modern approaches promoting quality of adjusting by power objects are considered. Their techno-economic estimation and comparative analysis is

produced. The article is called to help the leaders of agricultural-association to estimate the prospect of power reorganization of economy and define the order of introduction of subprojects.

**Laslo O.O.** Methodological aspects of evaluation of level of ecological consciousness of students of institutes of higher of agrarian direction of the Poltava region // News of Poltava State Agrarian Academy. – 2008. – №2. – P.183-187.

Ecological education and education must be oriented on co-operation of man and nature. They must be instrumental in working out complex ecological problems, that is costed before humanity. In same queue educational establishments must educate for students sense of responsibility for saving and increase of natural resources, protect of environment, that is basis of deserving life, cultural and spiritual necessities.

Society of the future must be oriented on noosferns thought and new method of life, in which understanding of the world is based on ecological ethics, and spiritual necessities prevail above material.

**Levchuk V.I.** Formin of adaptation descriptions of fuel-given diesels after the maximum legitimate values of optical closeness of exhaust gases // News of Poltava State Agrarian Academy. – 2008. – №2. – P.188-192.

It is developed system of automatic control of autotractor diesel engines on optical density of the exhausted gases with the electromechanical corrector of fuel supply. The self-contained system of automatic control with full how smoke opacimeter provides a feedback on optical density of the exhausted gases and supervises exhaust opacity, according to ecological requirements.

**Bublyk O.A.** Comparative studying of influence on growth of mycoplasmas of an extract of yeast of different manufacturers. The message 2. The cultural characteristic of environments with extracts of yeast // News of Poltava State Agrarian Academy. – 2008. – №2. – P.193-196.

The results of studying of influence on intensity of growth of mycoplasmas of tests of extracts of yeast of different manufacturers in dynamics of their concentration in an interval 1-8 % from volume of the selective liquid environmentare have been lead.

It is shown, that the best growth characteristic has the extract from the Poltava's beer yeast. It is necessary for considering in the further development of a method of preparation of a dry extract of yeast.

**Abdyrat Nishat Kreem.** Intercommunications of signs of productivity and quality of corn at a winter wheat // News of Poltava State Agrarian Academy. – 2008. – №2. – P.197-199.

Mass 1000 corns enough rarely correlated with the indexes of quality. At some standards negative correlation with quality of gluten ( $r = -0,43, -0,42$ ) was marked, with maintenance of gluten and albumen ( $r = -0,44, -0,38$ ). Appeared such the chinese sort XIAOUAH 107, Yugoslavian Nevesinijka, sort Levada. The high of stem has substantial correlation communication not only with the quantitative indexes of quality, as foreexample, maintenance of albumen or glutens, and to a great extent has

## ANNOTATION

influence on technological properties of corn. Receipt of undersized, and it is possible midget forms possessing highquality signs, it is laboured.

**Terekhina L.A.** Features of efficiency of plants of carrots at use of growth stimulators // News of Poltava State Agrarian Academy. – 2008. – №2. – P.200-201.

There are given result of investigation of the influence of carrot seed presowing treatment by growth stimulators of the energy of germination, laboratory and field germination rate of seed, yield of carrot roots.

**Saenko A.M., Mangura L.P.** DNK-diagnostics of stress-syndrome in the groups of pigs of different genotypes // News of Poltava State Agrarian Academy. – 2008. – №2. – P.202-205.

The results of DNK-diagnostics of stress-syndrome are expounded at the pigs of large white and red white-lines breeds and their cross-breeds in the economy of the PSP "Bulah" Kozelshchinskogo district of the Poltava region.

A red white-lines breed was ratified as a new selection achievement in the stock-raising on May, 14, 2007. Information about frequency of meeting of the alleley gene RYR1 for the animals of this breed is not enough. Therefore conducting of genotips animals of a new breed on RYR1-lokus for expansion of information on the RYRn distribution in pedigree and commodity herds is actual.

DNK of animals was analysed in the presence of onenukleotids replacement in position 1843 of n. gene of receptor by the rianodin method PLR-PDRF. It is set as a result of the conducted research, that all analysed animals of the indicated breeds are free of mutation in RYR1-gene.

**Lavrinenko I.V., Slyusar G.V.** Changes in some blood indices at external parasitic otitis of dogs // News of Poltava State Agrarian Academy. – 2008. – №2. – P.206-208.

The results of research concerning determination of pathogenic influence of ticks upon dogs' organisms are shown. It is found that together with changes in morphological and biochemical blood structure changes in cellular factors of immunity are observed as well. Changes in

some blood inflammatory processes in the ear skin and negative influence of agents' vitae activity product are found.

**Kit A.A.** The dynamic of the microbe landscape of the skin of white mice after the application of the solution of the Poltava bishofit // News of Poltava State Agrarian Academy. – 2008. – №2. – P.209-211.

The quantitative changes of the skin bacteria of white mice after the seven-days skin application of the solution of the Poltava bishofit are adduced in the article.

**Dorogan L.O., Vovk O.F.** Financial stability as basic factor of stable activity of managing subjects // News of Poltava State Agrarian Academy. – 2008. – №2. – P.212-216.

Theoretic-methodical bases and grounds of directions of providing of financial are explored stability agricultural enterprises.

**Patyka N.V.** Influence of various fertilizers and the contamination on biological indicators of flax // News of Poltava State Agrarian Academy. – 2008. – №2. – P.217-222.

The state scientific institution the All-Russia scientific research institute of agricultural microbiology of Russian Academy of Agrarian Sciences.

Data of the comparative analysis of influence of linen crop rotations are cited at various systems of fertilizers on biological indicators of flax. It is revealed, that use in linen crop rotations of grain and bean cultures in a combination to organic and mineral fertilizers promotes improvement of quality of flax and its efficiency.

**Martinenko N.A.** Factors of increase of level of implantation of the transplanted embryos (Review) // News of Poltava State Agrarian Academy. – 2008. – №2. – P.223-230.

The present-day status of the embryo transfer results in accordance with implantation level, the endogenic and exogenic factors of the influence on this process, and the possible means of the pregnancy level increasing by recipients give an account.

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