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M.M. Chekalin, B.M. Tishchenko. The cultivar of winter wheat Mangelia // News of Poltava State Agrarian Academy. – 2007. – №2. – P.5-9.

The economic – biological characteristic of a cultivar of winter wheat Mangelia created in the breeding laboratory of winter wheat of Poltava State Agrarian Academy. The cultivar is created by a method of stepped intraspecific hybridization under the circuit of the threefold crossings, geographically remote forms in view of scheduled recombination characters – winter hardiness, short-stalked plants and high quality of grain. Selections of plants with long period of vernalization carried out in F₂ in special experiment, then in following hybrid generations the winter hardiness is valued by V.D. Medinets method in view of photoperiodic sensitivity, the period of vernalization and at the use of selection indexes – harvest and attraction. The cultivar Mangelia is characterized high yield, winter hardiness, resistance to lodging, high physical-chemical and flour-grinding properties.

S.M. Kramarev, P.V. Pisarenko. Application of a New Coordination Compound Zinc for the Presowing Incrustation of Corn Seeds // News of Poltava State Agrarian Academy. – 2007. – №2. – P.10-15.

The methods of preparation, chemical composition, and structure of a new coordination compound zinc scribed. It was show that it can be applied as component of the mixture for the presowing incrustation of corn seeds. The efficiency of the compound in corn agrocenoces was studied in field experiments at the Erastovskya Experimental Station of Crop Farming. Agrochemical advantages of zinc di-(3-indolylacetate) and ol over zinc sulfate, a conventional microfertilizer, were revealed.

H.P.Zhemela, A.Y.Sydorenko, M.I.Kulyk. Role of the weather factors in improvement of quality of a grain of a winter wheat // News of Poltava State Agrarian Academy. – 2007. – №2. – P.16-22.

Search for untraditional ways of increasing protein content in grain of winter wheat is studied. It can be done by conditions imitation cause the necessary plant changes and it enables to decrease this characteristic dependence upon weather conditions. Material temperature affect, rainfall in the period of corn seed forming and GTK on period of corn seed forming and GTK protein content and gluten amount are determined.

Yu.H.Krasilovets, Ya.V.Kochurov. Influence of fertilizers and chemical preparation Vitavax 200 FF development root rots of a winter wheat // News of Poltava State Agrarian Academy. – 2007. – №2. – P.23-24.

The influence of fertilizers and chemical preparation Vitavax 200 FF on root rots development has been studied. It has been established that Vitavax 200 FF is most effective at the complex application with fertilizers.

N.Ya.Shevnikov, O.O.Koblay, V.M.Oberemok. Use of a rotary electromagnetic field of variable frequency for dehulling of preparation seed of soya // News of Poltava State Agrarian Academy. – 2007. – №2. – P.25-29.

The influence of a rotating electromagnetic field on laboratory rising of seeds is investigated. The optimum inten-

sity of a field and time of processing is investigated.

M.I.Zhilenko, M.M.Kharytonov. Agroecological basis for stable yields getting in the reclaimed lands of the Western Donbass // News of Poltava State Agrarian Academy. – 2007. – №2. – P.30-31.

Agroecological basis for loamy soil stratum incorporation in the triple variants the of the Western Donbass tailing terraces was made.

R.O.Vusatyj. Resistance to eyespot grades of a winter wheat perspective and recommended for manufacture in western ranges of Ukraine // News of Poltava State Agrarian Academy. – 2007. – №2. – P.32-34.

Results of researches on studying resistance of grades of a winter wheat perspective and recommended for manufacture against eyespot in conditions of western ranges of Ukraine are resulted. Grades with rather high resistance are revealed.

T.M.Melnychuk, T.Yu.Parkhomenro, L.M.Tatarin. Influence of a biopreparation on a basis shtamma Paenibacillus polymyxa Ī on development of vegetable plants // News of Poltava State Agrarian Academy. – 2007. – №2. – P.35-37.

The positive influence of a biopreparation biopolizid , developed on a basis shtamma nisobakterium Paenibacillus polymyxa Ī is established, that owns a complex of useful properties, on development of vegetable plants. He can exist on a surface seed during preservation and is positive influence his(its) quality. Inoculation of seeds raises productivity of cabbage on 13 % and provides the greater output(exit) of early production a tomato on 15 %. The preparation biopdizid can be recommended for processing seed at his(its) preservation and directly ahead of grown at cultivation of vegetable cultures.

V.M.Voloshyn, T.V.Nevmyvako, N.S.Shokalo, T.V.Bosenko. Dependence of productivity of barley arden from agrometeorological of condition in a southwest part of the Poltava area // News of Poltava State Agrarian Academy. – 2007. – №2. – P.38-42.

The dependence of a crop of barley from stocks of a productive moisture in different layers of ground and temperature of air in the period "crop - similar" is investigated.

A.I.Tsilurik. Method of soil tillage under spring barley in Steppe // News of Poltava State Agrarian Academy. – 2007. – №2. – P.43-45.

The features of growth and productivity of a spring barley are certain depending on tillage of soil, fertilizers, and also stubbly residue of predecessor.

M.P.Yavdoshchenko, M.M.Solodushko, M.I.Pykhtin. Formation of productivity of a winter wheat depending on fertilizers and development of illnesses of leaves // News of Poltava State Agrarian Academy. – 2007. – №2. – P.46-50.

The researches were directed on study of influence of terms and dozes of entering of nitric fertilizers on productivity and development of illnesses leaves of a winter wheat.

S.O. Semenov. Soybean in Ukraine and Russia –

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historical aspects and perspectives // News of Poltava State Agrarian Academy. – 2007. – №2. – P.51-55.

Historical stages and modern trends of development of production and use of soybean grain in Ukraine and Russia are presented. Problems of "soybean complex" development in Ukraine have been raised in order to fulfill the tasks of food provision.

L.G.Beljavskaja, Ju.V.Belyavsky. New early maturing variety about Diamond // News of Poltava State Agrarian Academy. – 2007. – №2. – P.56-57.

Search is lead and sources of adaptability of a soya to adverse factors of an environment are revealed. The new grade about Diamond is deduced, the data of economic valuable attributes and seed productivity cited.

O.O.Pavlyuk, V.M.Totsky. Feature of formation of a crop of peas depending on a level of intensity of technologies in conditions leftbank of Ukraine // News of Poltava State Agrarian Academy. – 2007. – №2. – P.58-60.

The results of researches have enabled to find out of the least power-intensive variants of technologies of cultivation of peas. For facilities(economy) with a different level of energie the technological models are offered which provide complex application of the factors, in particular of entering of mineral fertilizers in dozes (NPK) 25, (NPK) 45 and chemical protection of crops.

M.I.Polishchuk, V.O.Azurkin. Agrobiological characteristic of the best simple hybrids of corn. // News of Poltava State Agrarian Academy. – 2007. – №2. – P.61-63.

Is induced the characteristic of simple hybrids of corn behind a complex of the period, height of plants, collective of a grain and crop.

O.A.Antonets. Influence of different doses and methods of insertion of nitroammophoska on productivity of sorghum // News of Poltava State Agrarian Academy. – 2007. – №2. – P.64-65.

Advantages of the modern growing of sorghum are examined as a valuable fodder crop. The analysis of productivity of sorghum is given on two years depending on different doses and methods of insertion of complex fertilizer. Thus at the same time an effect is studied from action of vitamin. Researches were conducted in the farmer economy of Onufriev district of Kirovograd region. The local method of insertion of nitroammophoska considerably influenced on the increase of productivity of sorghum. This method gives the higher coefficient of the use of fertilizers due to possibility of rapid envelop by the root system of plants of nutritives from the insert combinations.

V.D.Palamarchuk. Interrelation of a diameter and length third between knot of a stalk with stability to thenecumbenting at selection samples of corn // News of Poltava State Agrarian Academy. – 2007. – №2. – P.66-68.

The characteristic sumself of lines of corn on stability to thenecumbenting is given depending on length and diameter third betweenknot. Are selected of a line of corn, steady to line with the optimum characteristics of length and diameter third between knot.

V.S.Tokan'. Influence of culturing of ground, norms of

entering of fertilizers and meteorological conditions on formation of a sheet surface at plants of a potato // News of Poltava State Agrarian Academy. – 2007. – №2. – P.69-71.

The results of influence on size of the area leafs of plants of a potato of the various external factors are stated.

L.A.Radchenko. Manifestation of quantitative signs in F₁ hybrids of parthenocarpic cucumber of spring – summer culture // News of Poltava State Agrarian Academy. – 2007. – №2. – P.72-74.

There is studied manifestation of economically-valuable signs in hybrids of the first generation of different combinations of the parthenocarpic cucumber. Results of qualitative signs variability of these combinations are adduced.

O.V.Serhienko. Evaluation of economically – valuable signs of watermelon perspective variety samples adapted to the north zone of melon growing // News of Poltava State Agrarian Academy. – 2007. – №2. – P.75-77.

There is given evaluation of economically – valuable signs – yield and marketability of watermelon perspective and best adapted varieties and hybrids. The best variety samples are selected, which effectively realize their potential abilities during the study.

V.V.Zamorskyi. Marketable properties of apples depending on rootstock type, planting density and pruning terms // News of Poltava State Agrarian Academy. – 2007. – №2. – P.78-79.

The results of studying the marketability of apples harvested from the trees, which were grown on various rootstocks and inter-stems with winter and summer pruning applied, are presented in this paper.

N.M.Osokina. Suitability of the frozen fruits of a black currant for processing // News of Poltava State Agrarian Academy. – 2007. – №2. – P.80-83.

The necessity of frozen fruits of the black currants for making caned product is determined, the preservation of ascorbic acid in them being dependent on the type of canned products and raw material content.

Borovskaya I.Yu. Correlation between the resistance to phomopsis agent and some economic traits in sunflower hybrids and their parental forms // News of Poltava State Agrarian Academy. – 2007. – №2. – P.84-87.

There have been presented the investigation results on the dependence between the resistance to phomopsis agent and some economic traits in sunflower hybrids and their parental forms.

L.G. Peretyatko, N.A. Garska. Productive and biological peculiarities of Poltava meaty breed sire boars depending on their line belongings // News of Poltava State Agrarian Academy. – 2007. – №2. – P.88-91.

The results of investigations in morphological and biochemical blood composition of Poltava meaty breed sire boars in the context of their genealogical structure are presented. It has been ascertained that morphobiochemical blood indices as well as development and productivity of sire boars of different lines change depending on their line belonging including new lines which are being created.

S.L.Voytenko, O.I.Metlitska, K.F.Pochernyaev,

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L.V.Vyshnevsky, S.N.Petrenko. Using DNA-technologies of selectional process optimization in pig populaions small in number // News of Poltava State Agrarian Academy. – 2007. – №2. – P.92-95.

The results of research on possibility of using up-to-date DNA-technologies for evaluation of Myrgorod pigs, for detecting origin of pigs and genetic-populational characteristics in particular are presented. Comparative study of genetic and zootechnical plant herd animal identity detection methods has been conducted. Systematic pig origin control in populations small in number and use of method of programmed parent pair selection were determined to be expedient.

S.V.Merzlov, V.G.Gerassimenko. Comperative reseach on the influence of heightened doses of stabilized phytase on indexes of phosphorus metabolism in white mice's organism // News of Poltava State Agrarian Academy. – 2007. – №2. – P.96-97.

The results of reseaches on the innocence of stabilized phytase on white mice. It was established that using of ferment causes increasing activity of alkaline phosphatase and increasing of concentration inorganic phosphorus into mice's blood.

M.I.Gill. The efficiency of using the informational-statistical method in evaluation of dairy cattle in different conditions of breeding and types of selection // News of Poltava State Agrarian Academy. – 2007. – №2. – P.98-102.

The research of expediency and exactness of entropy-informational analysis in quantitive indications of different types of breeding in dairy cattle were provided. The given results allows to recommend this method for inculcation in the selectional process in conditions of different selectional service.

O.O.Titarenko. Dynamics of contents makroelement in fabrics placentary a pig depending on a physiological condition // News of Poltava State Agrarian Academy. – 2007. – №2. – P.103-105.

Presented are the results of the experimental study on the dynamics of the macroelements contents in the placentary and interplacentary zones of endometrium and myometrium dependent on the development stage and biology quality of the fetal.

V.P.Savran, A.P. Paliy. Technological features of end machine milkings on the automated installations // News of Poltava State Agrarian Academy. – 2007. – №2. – P.106-108.

In article data about a degree of influence of time of a delay this the apparatus from a udder of cows in the end of a mechanical milking on parameters milk breeding and a condition of a udder of animals are presented at milking on the automated installations of type "Parallel" of firm "Bou-Matic" (USA).

S.N.Kulinich. Study of the factors of destruction legs of a horn at mould of mushrooms allocated from patmaterial. // News of Poltava State Agrarian Academy. – 2007. – №2. – P.109-115.

The Method HPLC is revealed factors, providing microscopic mushroom, chosen from deep defeats of the horny capsule,

ability to destroy the ungulate horn. The Proved keratolytic characteristic mushroom *Aspergillus flavus* stating the test on perforation of the hair.

O.M.Yakubchak, V.Z.Dorphman, L.O.Olenich. Study of contamination by the vermin of milk // News of Poltava State Agrarian Academy. – 2007. – №2. – P.116-117.

Investigation of row collected milk from farms and subsidiary small – holdings in the aspect of eggs and larvae of different helminths are conducted. The level of muddiness is ever-higher.

I.V.Koval, Zh.O.Peredera, T.I.Photina, O.S.Peredera. Monitoring after hammerin of diagnostics animal, patients by illnesses, which have acted(arrived) on Poltava ameat kombinat in the period from 2004 on 2006. // News of Poltava State Agrarian Academy. – 2007. – №2. – P.118-122.

The given data on results of veterinary-sanitary examination of products hammer of animals on KP " Poltava meatkombinat".

V.O.Yevstafyeva. Application of new method of diagnostics of parazytosis of pigs. // News of Poltava State Agrarian Academy. – 2007. – №2. – P.123-124.

The new koproovoskopycal method of flotation, which provides the increase of spectrum of discovery of vermin in one organism and increase of efficiency of diagnostics of invasions diseases at pigs, is offered.

B.P.Kirichko. The definition of antioxidant activity of some derifative of 1,2,4-triazol // News of Poltava State Agrarian Academy. – 2007. – №2. – P.125-126.

The antioxidant activity of preparations series VPK and rumosol has been staty. The etalon of comparisons (tiotriazolin) exceed combination VPK-81, 108 and rumosol has been established.

N.A.Mezhenska, A.O.Mezhenskiy. Heopatik therapy of the cows, patients of the hypofuhction.// News of Poltava State Agrarian Academy. – 2007. – №2. – P.127-128.

Summary. In the article are presented results of efficiency of homeopathic preparation "Ovariovit" ("Helvet", Russia) when treating ovarium hypofunction. It was discovered that three time application of "Ovariovit" with dosage of 5 ml provides recovery of sexual cycle and inpregnation of 83,3% affected cows.

S.V.Taranenko. Efficiency of use boxes of mixes herbicides and mineral fertilizers on crops of a winter wheat. The messages 2. Influence on weeds // News of Poltava State Agrarian Academy. – 2007. – №2. – P.129-134.

At the given stage pesticides have turned to the powerful, constantly operating factor of stable development agroecosystem, danger of environmental contamination therefore increases.

For today, considering an ecological situation, we study ecology-safe application tank mixtures of herbicides with mineral fertilizers, having received thus an effective control above a contamination of crops of a winter wheat, formation by plants of a high crop with the least pesticidal loading on an environment, economy of means for a unit of production.

E.A.Krishtop. Setting of hybrid seeds during crossability

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of different kinds of spring hard and soft wheat with spring rye // News of Poltava State Agrarian Academy. – 2007. – №2. – P.135-138.

The results of studying crossability of different kinds of spring hard and soft wheat with spring rye are shown. It is shown, that setting of hybrid seeds. during the crossability of different kinds of spring hard and soft wheat with spring rye on the choice of female plant and the crossing.

A.V.Bahan. Technological parameters of quality of a grain of grades of a winter wheat and their interrelation // News of Poltava State Agrarian Academy. – 2007. – №2. – P.139-143.

Such sorts as Bagryana, Garazivka, Lasunya, Zatoka and Skarbnytsya are determined according to technological characteristics of grain quality. Close correlating connection between protein content and gluten is established. Correlating feedback between content and quality of gluten is also established.

S.O.Yurchenko. Reological and baking properties of a flour(torment) of grades soft of wheat as initial material in selection on quality of a grain. // News of Poltava State Agrarian Academy. – 2007. – №2. – P.144-146.

Presents the results on studying the theological and flour breadmaking properties in spring bread wheat. There are identified the variety – samples possessing manifestation level of these traits.

T.V.Gyrka. The seed treatment efficiency by means of corn protection from wireworms during the early stages of crop growing // News of Poltava State Agrarian Academy. – 2007. – №2. – P.147-149.

The problem of harmfulness wireworms on shoots of corn has been examined. The corn seed treatments of mixtures with insecticide, fungicide and growth regulator are proposing for crop protection from pest insect.

Yu.M.Barat. Influence of norms sow seeds on productivity and quality of a grain quality of barley // News of Poltava State Agrarian Academy. – 2007. – №2. – P.150-153.

Sowing norm influence upon crop capacity and qualitative characteristics of barley grain are considered. It is established under what sowing norms great crop capacity is forming and grain quality is improving.

A.D.Gyrka. Carbohydrate circulation and winter resistance of modern winter wheat varieties depending on

hydrothermal conditions of autumn-winter period // News of Poltava State Agrarian Academy. – 2007. – №2. – P.154-157.

In the article experimentally proved, that the highest ability of winter wheat forms when sowing after previous bare fallow. When overwintering occurs plants forms 2,5-4,8 shoots, 2,2-7,0 crown roots, 19,4-24,6 sm height, accumulating from 13,3 to 26,2% carbohydrates in leaves and 20,1-32,9% – in tillering nodes, that allows effectively withstand to unfavourable conditions of winter period.

N.N.Opara. Priorities of the doctrine of the academician A.V.Kvasnitskim in development of maximum nervous activity of pigs // News of Poltava State Agrarian Academy. – 2007. – №2. – P.158-159.

The researches which have been carried out by the academician A.V.Kvasnitskim and his employees, open ample opportunities of management of physiological functions organism of agricultural animals and, in particular, of pigs.

S.S.Chelidze. The natural resestens state organism sheeps with purulent inflammations changes // News of Poltava State Agrarian Academy. – 2007. – №2. – P.160-162.

The natural resestens state of organism clinical healthy sheeps and it dynamics with acute purulent inflammations has been stady.

S.M. Kiryan. The Account of the amortization fund as alternative approach to reproducing the sources of the investment facilities // News of Poltava State Agrarian Academy. – 2007. – №2. – P.163-165.

The Considered consequences of the influence of the inflation processes on size of the depreciation charge, condition and possibility of the practical application of the mechanism of the amortization fund in agricultural enterprise and its reflection in account.

O.M.Kostenko “Okhorona Pratsi” with survey integration up to Union. // News of Poltava State Agrarian Academy. – 2007. – №2. – P.166-168.

The estimation and system approach is considered(examined) at normative laws of the laws-legal certificates(acts) to the European and international legislation at a choice by Ukraine of a strategic rate on integration.

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Переклад англійською: *Валентина Скриль.*