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COLLECTIVE FARMS HISTORY OF MICHURIN'S NAME OF THE VAVOZHISKY AREA UDMURT REPUBLIC

V.E. Kalinin – honourable citizen of the Udmurt Republic, honourable professor
Izhevsk State Agricultural Academy

The 42-year know-how of the head of collective farm is analysed. As a result of realization of innovations intensity of agricultural production increased in plant growing and animal husbandry by 1,4 – 3,0 times.

Key words: soils; productivity; plant growing; animal husbandry; intensity; profit; balance of nitrogen; adaptive technologies.

EFFICIENCY KINDRED SELECTION IN BREEDING BLACK AND WHITE CATTLE BREEDING PLANTS UDMURT REPUBLIC

A. I. Lubimov – Doctor of Agricultural Sciences, Rector
V. M. Yudin – Post-graduate Student, Animal Husbandry
Izhevsk State Agricultural Academy

Provides information on the effect of inbreeding on productive qualities of black and white cattle breeding plants of the Udmurt Republic.

Key words: inbreeding; outbreeding; breeding selection; black and white cattle.

SEASONAL DYNAMICS OF BULL'S BLOOD BIOCHEMICAL PARAMETERS

A.I. Lyubimov – Doctor of Agricultural Sciences, Rector
R.I. Riabov – Post-graduate Student
Izhevsk State Agricultural Academy

The dynamics of biochemical indicators of bulls are reviewed in this article.

Key words: bulls; blood; biochemical indicators; dynamics; seasons.

THE EFFECT OF AGE ON MILK PRODUCTION AND THE NUMBER OF SOMATIC CELLS IN THE MILK OF COWS BLACK AND WHITE BREED

E.N. Martinova – Doctor of Agricultural Sciences, Professor
V.A. Bichkova – Candidate of Agricultural Sciences, Assistant Professor
E.V. Achkasova – Candidate of Agricultural Sciences, Assistant Professor
Izhevsk State Agricultural Academy

The paper analyzes the performance of milk productivity and the number of somatic cells in the milk of cows of black-motley breed of different ages.

Key words: milk; somatic cells; cow; age; milk production; fat; protein.

EVALUATION OF MICROCLIMATE LIVESTOCK BUILDINGS, DEPENDING ON THE SEASONS AND THE IDENTIFICATION OF CRITICAL POINTS

E.N. Martynova – Doctor of Agricultural Sciences, Professor

E.A. Yastrebova – Post-graduate Student, Assistant

Izhevsk State Agricultural Academy

The loose-housing barns studied some-rye climate indicators, marked deviation of the micro-climate of the best.

Key words: climate; seasons; critical points; cows.

CORRELATION OF THE MINERAL COMPOSITION OF FORAGES AND THE BLOOD OF HORSES

S.P. Bass – Candidate of Agricultural Sciences, Assistant Professor

N.P. Kazantseva – Candidate of Agricultural Sciences, Professor

Izhevsk State Agricultural Academy

In the process of feeding agricultural animals a great role belongs to the mineral substances which participate in all processes of metabolism in the organism. There have been obtained a great number of facts dealing with studying the problem of microelements in agriculture. Peculiarities of their content in soils and plants have been found, as well as participation of mineral substances in physiological processes, influencing the growth, development and breeding functions of agricultural animals.

Key words: process of feeding agricultural animals; the mineral substances; mineral composition of the blood of horses.

EFFECT OF FEEDING ON REPRODUCTION IN COWS

T.S. Pasinkova – Candidate of Veterinary Science, Associate Professor

Izhevsk State Agricultural Academy

This article analyzes the feeding and blood chemistry of cows. The letter explains the possible consequences of the influence of feeding on the reproductive function of cows.

Key words: cow; feeding; reproduction; diet.

CHEMICAL COMPOSITION AND ENERGY VALUE OF BEEF WITH THE USE OF ANTIOXIDANTS IN THE FEEDING RATIONS OF BULLS BLACK AND MOTTLED BREED

S.D. Batanov – Doctor of Agricultural Sciences, Professor
O.A. Krasnova – Candidate of Agricultural Sciences, Assistant Professor
E.V. Hardina – Post-graduated Student
Izhevsk State Agricultural Academy

The influence of antioxidants on the ratio of basic organic and inorganic components of muscle tissues and on the energy value of raw meat was studied. Presented results of the investigations allow to state that the use of biologically active substances in the feeding of black and mottled breed bulls conduces the biostimulation of metabolic processes in body, better realization of feed nutrients into the biological structure of animal body that in many ways determines usefulness and good nutritional value of raw meat.

Key words: beef; chemical composition; energy value; antioxidants; dihydroquercetin; ionol; mass fraction of protein; mass fraction of fat; mass fraction of moisture; mass fraction of dry matter; mass fraction of ash.

COMPARATIVE ANALYSIS OF THE NUTRITIONAL VALUE OF FEED, DIET AND SOME BLOOD CHEMISTRY PARAMETERS IN COWS IN THE UBS ACT UR "AATT" ALNASHKY DISTRICT

M.Y. Metlyakova – Candidate of Biological Sciences, Assistant Professor
Izhevsk State Agricultural Academy

The paper analyzes the relationship between indicators of blood serum and feeding sequences of feed, and the composition of diets.

Key words: cattle; diet; blood biochemistry; beriberi.

CHANGE IN MILK PRODUCTION OF COWS DEPENDING ON THE AGE AND ORIGIN

G.V. Azimova – Candidate of Agricultural Sciences, Assistant Professor
Izhevsk State Agricultural Academy

The article assesses the productivity of dairy cows of different branches of the lines V.B.Aydial and R. Sovering depending on the age of "The July Uchkhoz Izhevsk State Agricultural Academy."

Key words: dairy cattle; line; branch; milk yield for 305 days of lactation; the mass fraction of fat mass fraction of protein.

OZONOTHERAPY AT A CHRONIC KIDNEY INSUFFICIENCY AT CATS

V.B. Milaev – Candidate of Veterinary Sciences, Professor
E.V. Shabalina – Candidate of Veterinary Sciences, Assistant Professor
M.B. Sharafi slamova – Assistant
Izhevsk State Agricultural Academy

In article it is spoken about that as therapy is applied ozone at chronic kidney insufficiency at cats.

Key words: ozonotherapy; chronic kidney insufficiency; urea; kreatinine.

THE METHOD OF MOISTURE CONTROL IN THE BROOD NEST

L.M. Kolbina – Doctor of Agricultural Sciences, Professor

C.L. Vorobjeva – Candidate of Agricultural Sciences, Senior Teacher

N.A. Cannikova – Candidate of Agricultural Sciences, Assistant Professor

A.C. Osokina – Post-graduated Student

Izhevsk State Agricultural Academy

The use of mineral zeolite allows to improve internal environment of brood nests due to the absorbing of moisture molecule formed in winter period. It allows increasing the productivity of bee families on 41,1%.

Key words: zeolite; honey productivity; condensate; bee family; microclimate; moisture.

COMPARATIVE ANALYSIS OF ROUTES OF ADMINISTRATION DAPS-25 COWS

I.L. Kuznitsyna – Assistant

Izhevsk State Agricultural Academy

In a comparative study of the route of administration of the drug organoselenium DAPS-25 cows not established adverse effect of enzyme activity and morphological parameters of blood.

Key words: DAPS-25; enzymes; cow.

THE EFFICIENCY OF ANTHELMINTIC DRUGS IN DICROCOELIOSIS AND ITS ASSOCIATIONS WITH OTHER INVAZIONS

E.S. Klimova – Post-graduated Student

M.E. Mkrtchyan – Candidate of Biological Sciences, Assistant Professor

Izhevsk State Agricultural Academy

The results of studies of some modern anti-parasitic drugs have shown that Armacidum and Aversekt-2 have 100% as efficiency at monoinvazy dicrocoeliosis, and at its associations with fasciolosis, neoscaridosis and strongylatosis gastro-intestinal tract of ruminants.

Key words: dicrocoeliosis; mikstinvazy; anthelmintics; efficiency.

STUDYING OF EFFICIENCY OF HYPERIMMUNE SERUM AT THE MIXED INFECTIONS OF CATTLE

Ju. G. Krysenko – Candidate of Veterinary Sciences, Associate Professor
N.A. Kapachinskikh – Post-graduated Student
Izhevsk State Agricultural Academy

Designed and experimental batch of purified hyperimmune serum containing specific antibodies in high titers against the IRT, PG-3, WA, RVI, KVI, colibacillosis, pasteurellosis and klostridioza.

Key words: antigen; antibody; hyperimmune serum; mixed infection.

FEATURES OF ANIMAL ANATOMY TEACHING

N. V. Isupova – Candidate of Veterinary Science, Assistant Professor
N. N. Novykh – Doctor of Veterinary Science, Professor
Izhevsk State Agricultural Academy

The tendency to train high-qualified veterinarians makes the teachers to improve teaching methodology of subject and to search new and substandard approaches to teaching.

Key words: methodology; anatomy; teaching.

ABOUT CORRELATION OF SOME CONSTITUTION INDICATORS AT A THREE-YEAR CARP FROM A FISH-BREEDING ECONOMY «PIKHTOVKA» OF THE UDMURT REPUBLIC

L.B. Zabelin – Candidate of Biological Sciences, Associate Professor
Izhevsk State Agricultural Academy

Factors of pair correlation between a number constitution indicators, and also between indicators of a constitution and relative length of intestines a three-year carp in live weight from 1050 to 2800 g, grown up in fish-breeding economy «Pikhtovka » from the Udmurt Republic and arrived in January - February 2012 - 2013 in a trading network of Izhevsk paid off. Authentic negative communication between the sizes of a body (length and weight) and relative length of a head of a carp that allows to use named constitution an index as an efficiency indicator is revealed. Statistically significant return correlation between fatness factors a three-year carp and their indexes of height of a body is noted also. Factors of pair correlation between the relative sizes of a digestive path and constitution signs of a commodity carp do not reach the first threshold of probability.

Key words: a carp; constitution indexes; length of intestines; correlation; efficiency.

COMPARATIVE EFFICACY OF AVERMECTIN SERIES AT HELMINTHS OF THE GASTROINTESTINAL TRACT OF PIGS

A.S. Vostruhina – Post-graduated Student
M.E. Mkrtychyan – Candidate of Biological Sciences, Assistant Professor
Izhevsk State Agricultural Academy

Researches on efficiency of preparations of an avermektin series – Ivertin, Panmectin, Dectomax and Aversekt-2 are conducted with helminths a gastrointestinal path of pigs. The greatest therapeutic action the aversekt-2, the shown 100% efficiency possesses with ascariasis, strongylatosis and trichocephalosis pigs.

Key words: pigs; anthelmintics; efficiency.

MODULATION OF REGENERATIVE RESPONSE IN INTERACTION SCLERA WITH NANODISPERSIBLE HUMAN PLACENTA IN THE EXPERIMENTAL CONDITIONS

Ju.G. Vasiliev – Doctor of Medical Sciences

P.A. Perevozchikov – Candidate of Medical Sciences, Doctoral Candidate

V.S. Samartsev – Clinical Intern

O.V. Karban – Doctor of Physico-mathematical Sciences

Izhevsk State Agricultural Academy

In rats studied sclera regenerative responses when administered microinjection nanodispersible placenta conjunctiva depending on the dose administered. With increasing doses administered slurry nanodispersible placenta, are proportionally increasing the biological effects of the interaction with the surrounding tissues of the recipient.

Key words: regeneration; angiogenesis; kollagenogene; nanodispersible placenta.

PREVENTION OF IODINE DEFICIENCY IN GROWING CALVES

R.O. Vasilev – Post-graduated Student

Izhevsk State Agricultural Academy

The use of an aqueous solution of "Monklavit - 1" has a positive effect on the health of calves in the first days of life, economically viable, easy to use, efficient profilaktiruet iodine deficiency in growing calves, provides live weight gain of 14% more than in the control group.

Key words: «Monklavit-1»; enzymes; calves; iodophores.

THE CHARACTERISTIC OF VITAMIN PREPARATIONS IN THE SCHEME OF PREVENTIVE MAINTENANCE OF POSTNATAL COMPLICATIONS IN BREEDING FACILITIES CATTLE IN THE UDMURT REPUBLIC

R.O. Vasiliev – Junior Research Associate, Post-graduated Student

M.V. Kolotkina – Post-graduated Student

L.F. Khamitova – Candidate of Veterinary Sciences

Izhevsk State Agricultural Academy

Results of industrial experiments on application of the various preparations containing fat-soluble vitamins.

Key words: karolin; kartoc; tetramag; vitamin preparations.

THE ROLE OF METABOLISM DISTORTION ON THE INCIDENCE OF PATHOLOGY OF DISTAL LIMB OF THE CATTLE

L.A. Perevozchikov – State Inspection Agency for Veterinary

E.A. Mikheeva – Candidate of Veterinary Sciences, Assistant Professor

Izhevsk State Agricultural Academy

High milking cattle with good metabolism are vulnerable to the offense of animal welfare feeding conditions. They react with metabolic disease. This leads to distal limb diseases, reduction of metabolism. Strained metabolism and stomach diseases provoke macro- and microelementosis that leads to distortion of skin structure and ungual. In these animals are transferred to the dirty and moist barn, necrobacillosis is appearing.

Key words: distal limb diseases; metabolism distortion.

TECHNOLOGY CONTENT AND WEANING OF CALVES FEEDING PERIOD USING THE AUTOMATED STATION FEEDING CALVES IN THE KOLKHOZ (SHPK) THE NAME OF THE VAVOŽ DISTRICT OF MICHURIN

M.R. Kudrin – Candidate of Agricultural Sciences, Assistant Professor

E.A. Fefilova – Post-graduated Student

I.A. Vorontsov – Student

Izhevsk State Agricultural Academy

Studied technology content and weaning of calves feeding period using the automated station feeding calves in the kolkhoz (SHPK) the name of the Vavož district of Michurin.

Key words: calves; feeding technology; automatic station for feeding calves.

TECHNOLOGY OF MACHINE MILKING OF COWS AND METHODS OF ITS PERFECTION IN «ZYRINSKI AGROKOMPLEKS» IGRINSKI AREA OF THE UDMURT REPUBLIC

N.P. Dementieva – Student

S.N. Izhboldina – Doctor of Agricultural Sciences, Professor

Izhevsk State Agricultural Academy

Influence of technology of machine milking on dairy efficiency of cows is studied. It is established, what not the compliance with rules of machine milking reduces dairy efficiency.

Key words: machine milking of cows; milk; the milkmaid; technological operation.

THE PRINCIPLE OF WORK OF "FEED-NANNY" AND ITS VALUE AT CULTIVATION OF CALF'S DURING THE DAIRY PERIOD IN COLLECTIVE FARM (AGRICULTURAL INDUSTRIAL COOPERATIVE) MICHURIN'S NAME OF THE VAVOZHISKY REGION OF THE UDMURT REPUBLIC

A.I. Vekshina – Student

S.N. Izhboldina – Doctor of Agricultural Science, Professor
Izhevsk State Agricultural Academy

Influence of technology of the contents and feeding of calves at application of " Feed-nanny " is studied, the live mass of repair calves and bull-calves at the age of 6 months is determined.

Key words: calves; feeding; milk; compound feed; contents.

VYATSKAYA HORSE BREED ITS HISTORY AND THE PRESENT

V. Chernyshev – student

S.P. Bass – Candidate of Agricultural Sciences, Associate Professor
Izhevsk State Agricultural Academy

Leading the historic area of breeding horses vyat is the territory of modern Udmurtia and the north-eastern region of Kirov, Perm. Today the population of the breed has a small population. In order to be fully considered the breed, you need to take certain measures in order to maintain, increasing the number and improving the quality of the breed.

Key words: vyatka breed of horse; breeding species; conservation vyat.

THE USE OF MILK WHEY FOR THE CRANBERRY JELLY PRODUCTION

V.A. Bychkova – Candidate of Agricultural Sciences, Assistant Professor

O.S. Utkina – Candidate of Agricultural Sciences, Senior Teacher

S.Yu. Mahneva – Student

Izhevsk State Agricultural Academy

The authors suggest to use milk whey which at present is a practically unused by-product of curd and cheese production for the jelly making. The jelly production from milk whey increases its biological and nutritional value. As part of the study the optimal formula of the product was found out and its production technology was developed. Also the requirements to the product quality were determined and its quality estimation was conducted.

Key words: whey; environment; jelly; cranberry jam; stabilizer; production technology; quality analysis.

APPLICATION OF BIOLOGICALLY ACTIVE SUBSTANCES FOR THE ANIMAL PRODUCTIVITY INCREASE

N. N. Novykh – Doctor of Veterinary Sciences, Professor

N.V. Isupova – Candidate of Veterinary Sciences, Assistant Professor

L.I. Korsakova – Senior Laboratory Assistant

U. S. Bazhenova – Veterinarian

M. S. Korsakova, M. A. Ovchinnikov – Students

Izhevsk State Agricultural Academy

The article deals with the application of biologically active drug to the six months' calves hypodermically in the dose 20 ml. The gain of their live weight increased 13 %.

Key words: activity; sterility; harmlessness; excitors; enzymes; tissue drugs; calves.

OUTLOOKS OF BOTTOM OOZE USAGE IN AGRICULTURE

N.N. Novykh – Doctor of Veterinary Sciences, Professor

L.I. Korsakova – Senior Laboratory Assistant

N.V. Isupova – Candidate of Veterinary Science, Assistant Professor

M.S. Korsakova, M.A. Ovchinnikov – Students

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The article is devoted to the great stocks of bottom ooze in Udmurtia reaching 1,5 million tons with the layers in thickness from 1 to 4 meters. It gives opportunities to dig for cheap raw materials for its broad usage both in animal husbandry and in field husbandry.

Key words: bottom ooze; complexes; admixture; autodefense; productivity; yield.

COMPARATIVE EVALUATION OF THE CONTENT OF THE DIFFERENT AGE GROUPS OF PIGS

L.A. Shuvalova – Candidate of Agricultural Sciences, Assistant Professor

E.A. Merzlyakova – Candidate of Veterinarian Sciences, Assistant Professor

K.A. Semernina, N.Ju. Vakhrusheva – Students

Izhevsk State Agricultural Academy

The results of the analysis of the content and methods of various age groups of pigs, assessing the quality of forage.

Key words: pigs; system maintenance; climate, food.

USES OF ULTRASONIC-SCANNER AT CARRYING OUT OF GYNECOLOGIC PROPHYLACTIC MEDICAL EXAMINATION IN DAIRY ANIMAL INDUSTRIES

M.V. Lozhkina – Veterinarian

S.V. Shatova – Student

L.F. Khamitova – Candidate of Veterinary Sciences, Assistant Professor

A.A. Metlyakova – Post-graduated Student

Izhevsk State Agricultural Academy

The range of application of ultrasonic-scanners in dairy cattle breeding is considered. Increase of an overall performance of veterinary experts.

Key words: ultrasonic-scanner; gynecologic prophylactic; cattle breeding.

ECG FEATURES OF UNDERSIZED HOOFED MAMMAL

D.S. Berestov – Candidate of Biological Sciences, Assistant Professor

D.I. Safronov – Student

A.A. Gordeeva – 1 st class zootechnician

E.G. Morozova – Supervisor of the Udmurtia's zoo veterinary department

Izhevsk State Agricultural Academy

The peculiar properties of the data electrocardiography ungulates toy breeds in Udmurtia's zoo is considered in this article.

Key words: electrocardiography; toy breeds; hoofed mammal.

ARCHITECTONICS BONE FROM NEWBORN PUPPY DOG BREEDS

D.I. Krasnopyorov – Student

L.F. Khamitova – Candidate of Veterinary Sciences, Assistant Professor

Jr.G. Vasiliev – Doctor of Medical Science

Izhevsk State Agricultural Academy

Studied humerus and femur newborn puppies Moscow watchdog, Rottweiler and German Shepherd. Revealed significant microarchitectonics breed features and anatomy of the bones.

Key words: humerus and femur; microarchitectonics; ontogeny.

VIBRATORY DETECTOR ADMIXTURES FOR HAMMER GRINDERS GRAIN

V.I. Shirobokov – Candidate of Technical Sciences, Assistant Professor

A.M. Grigoriev – Student

Izhevsk State Agricultural Academy

Considered questions of the branch of the admixtures, getting together with grain in grinder and worsening quality reduced concentrated provender animal and vastly reducing resource worker organ most grinders. Admixtures is offered branch before pulverizing grain with use the vibrations. Are they for this purpose determined some constructive and technological parameters of vibratory detector.

Key words: grinder grain; worker organs; amplitude of the fluctuations; admixture.

ON THE PROBLEM OF CLASSIFICATION OF SCIENTIFIC TEXTS

N.N. Klementeva – Senior Teacher

Izhevsk State Agricultural Academy

The article deals with the problem of scientific texts classification. Attention is paid to the different views of scientists on the concept “genre”.

Key words: language genre; classification of scientific genres; scientific texts; primary text; secondary text.

BENEFITS OF MOODLE IN THE PROCESS OF EDUCATION

S.E. Neustroeva – Senior Teacher

N.M. Iteshina – Candidate of Agricultural Sciences, Associate Professor
Izhevsk State Agricultural Academy

The article deals with the using MOODLE in the educational process. The history of creation of the Modular Object-Oriented Dynamic Learning Environment is described in the first part of the article. Types of long-distance learning are given. In conclusion the possibilities of using MOODLE in organizing student's independent work and supervision of received knowledge are written.

Key words: independent work; control; e-learning; educational process; motivation.