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619:617:636.1

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**V. Vasiljev, V. Leontjeva**

**TREATMENT OF THE SURGICAL DISEASES OF SPORT HORSES ON THE STATE  
STABLE "BURYAT"**

*In the article the results of treating the surgical sick sport horses are given. the diseases of horses had traumatic etiology in essence. the application of new imported medicines made it possible to considerably reduce the periods of the healing of sick horses.*

619:616.995.1

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*DIPHYLLOBOTHRIMUM DENDRITICUM*

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*Diphyllobothrium, dendriticum.*

S. Pronina, O. Mazur, N. Pronin, E. Komarova, E. Kachina

**PATHOMORPHOLOGY BODIES OF DIGESTIVE SYSTEM DEFINITIVE HOST AT  
INVASION OF GULL-TAPEWORM *DIPHYLLOBOTHRIMUM DENDRITICUM*  
IN EXPERIMENT**

*The comparative analysis the morphofunctional changes associated with an infection by Diphyllobothrium dendriticum (Cestoda) in the digestive tract and the liver of the obligate (Mongolian seagull) and the casual (hamster and cat) hosts has been carried out.*

612.115:636.2.082.454.5

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L. L.Fomina, Y. L.Oshurkova  
FSEI HPT «Vologda State Dairy Farm Academy named after N.V. Vereschagin»,  
Vologda

**PHYSIOLOGICAL SUBSTANTIATION OF THE USING ANTIAGGREGATORY  
THERAPIES AT BARRENESS OF COWS**

*At fruitless cows increasing aggregatory activity platelets is established. In this connection combined use antiaggregatory and hormonal preparations more effectively at treatment of barrenness of cows.*



631.445.25:631.43 (571.53)

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**T. Amakova**

**THE INFLUENCE OF PARTS OF A SOUTH – EAST SLOP ON AGROPHYSICAL  
PROPERTY OF DARK – GREY FOREST SOIL**

*In this research work presents some materials of influence of a south – east slop on  
agrophysical property of dark – grey forest soil (in conditions of Irkutsk region).*

632.931.1:631.51(470.630)

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**O. Vlasov , V. Perederieva, A. Ivashenko**

**WAY OF PROCESSING OF SOIL AS THE FACTOR OF REGULATION OF A  
POTENTIAL AND REAL CONTAMINATION WHEAT ON IT IS LIGHT CHESTNUT  
SOILS**

*It is essential to use under the winter wheat as the principal tillage the unfailing technology,  
furtherity to optimization the phytosanitary state of soil and crops, narrowing the species of weeds  
and providing the high level of profitableness when cultivated crop in dry regions of the Stavropol  
territory.*

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**N. Dolgoplova, S. Balabanov, V. Timonov**

FSEI HPT «Kursk State Academy of Agriculture named after I. Ivanov», Kursk

## **INFLUENCE OF BIOLOGY RECEPTIONS ON SOIL CONDITIONS OF CULTIVATION OF AGRICULTURAL CROPS**

**The Keywords:** biologisation of land use, tillage, mineral fertilizers, crop rotation, siderates, sunflower, moisture, thickness, biological, activity, yield, capacity, productivity.

*Now question biologisation of agriculture in conditions of economic and ecological instability as a whole and in an agriculture in particular rises with the special acuteness.*

*The purpose of the present work was the development of elements of system of agriculture and technologies of cultivation of agricultural cultures in a part crop rotation, ensuring reproduction of fertility and growth of productivity of agricultural cultures, it is essential. Or mineral fertilizers, completely excluding application, and chemical means of protection of plants and basing on sources of a mineral feed of a vegetative origin and measures of protection of plants.*

633.11 «324»:631.5(571.13)

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V. Ershov, M. Klapotovsky

**PERFECTION TECHNOLOGIES OF CULTIVATION OF A WINTER WHEAT IN  
FOREST-STEPPE OF WESTERN SIBERIA**

*The Abstract. In work are presented given about interaction of the different systems of the processing of ground and facilities to chemistries on elements of the fertility and productivity of the winter wheat on clean vapour(pair) in West Siberia.*

E- mail: allak2008@mail.ru

A. A. Kozlova, A. P. Makarova

**AGROCHEMICAL AND MICROBIOLOGICAL CHARACTER CULTURAL AND  
NATURAL FOREST SOD SOILS PIT AND MOUND LANDSCAPES OF UPPER  
PREANGARIA**

**Keywords:** forest sod soils, pit and mound microrelief, mottling of soil cover, soil microbiota, soil degradation, soil fertility.

*As a result of cultivations, pit and mound microrelief is being leveled. Upper horizons of mounds are becoming less fertile, because humus horizons are spreading into the pits. So, soil degradation, loss fertility and yield are observed. Quantity composition soil microbiota shown correlation with pit and mound microrelief. These investigations of soils are formed in conditions of pit and mound microrelief are to show the different properties of pit and mound soils and also to show the necessity of correct agricultural cultivation of these soils, to keep their fertility. Selective applications of organic fertilizers on the mounds and less deep plough of these soils have to promote keeping, restoration and improvement of soil fertility.*

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T. Korsunova, E. Konovalova

### DYNAMIC AGROPHISICAL INDEX LGIN IN OIL-POLLUTED CHES SOILS USE ZEOLITES EFFECTS

*The results of the study of alteration agrophysical index of chestnut soils after petroleum pollution in variety degree of condensed.*

*Dyscover use zeolites effects for recultivation of oil-polluted soils of agrilandscapes.*

631.4:631.459 (571.13)

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I. Reingard, D. Dolgova

### FORMING OF THE STRUCTURE OF SOIL COVER ON THE TERRITORY WITH SUBNORMAL RELIEF IN THE STEPPE AND FOREST STEPPE ZONES OF OMSK REGION UNDER THE CONDITIONS OF EROSION AND DEFLATION PROCESS DEVELOPMENT

*The study of the structure of soil cover on the territory with subnormal relief in the steppe and forest steppe, soil and climatic zones of the southern Western Siberia in accordance with V.M. Phridlands technique under the conditions of erosion and deflation process development was carried out.*

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*Cd* , - , - , . -  
*Cd* (40-80 / ) -

<sup>1</sup>V. Ubugunov, <sup>2</sup>V. Dorzhonova, <sup>2,3</sup>L. Ubugunov

<sup>1</sup>Baikal institute of natural management of Siberian Branch  
of Russian Academy of sciences, Ulan-Ude

<sup>2</sup>FSEI HPT «Burayt State Academy of Agriculture named after V. Philippov», Ulan-Ude

<sup>3</sup>Institute of general and experimental biology of Siberian Branch  
of Russian Academy of sciences, Ulan-Ude

## EVALUATION OF CADMIUM PHYTOTOXICITY IN THE SODDY-FOREST SOIL

**Key words:** phytotoxicity, Cd, soddy-forest soil, wheat.

*Phytotoxicity of Cd in soddy-forest soil depending on terms of composting is studied using parameters of germination and intensity of initial growth of wheat. It is established, that the increase in term composting reduces toxicity of Cd. At low concentrations (40-80 mg/kg) Cd stimulates synchronism and speed of germination, growth and formation of sprouts biomass.*

631.14:631.5 (571.54)

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. Ulanov

### ECONOMIC BENEFIT OF THE COMBINED SYSTEM OF PROCESSING OF GROUND IN GRAINFALLOW CROP ROTATION OF ZABAICAL LAND DRY STEPPE

*In conditions of long stationary experience on studying various systems of processing of ground (year of a bookmark – 1972) is calculated economic benefit of application of the combined system of processing of ground in grainfallow crop rotation (fallow – wheat – oats – oats on green weight) in comparison with annual plowing.*

633.11:631.559

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. Filippov, A. Zaitsev, T. Kuznetsov

### INFLUENCE OF ELEMENTS OF THE RELIEF OF EAST SLOPE ON HYDROTHERMAL CONDITIONS, PRODUCTIVITY AND QUALITY OF GRAIN OF SPRING WHEAT

*In the article there are the results of many-years studies on the effect of topographic elements along the eastern slope on hydrothermal conditions, the formation of yielding capacity and the quality of spring wheat grain.*

633.31:631.52 (571.56)

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: 16, 19, 27, 47

24 – 36%.

**L. Atlasova**

## **SEED EFFICIENCY PERSPECTIVE FOR SELECTION OF SAMPLES OF LUCERNE**

*The following alfalfa samples have been studied in the nursery of original material and revealed as promising for further selection for seed productivity (exceeding the control variety by 24 - 36 %): nn 16, 19, 27, 47, as well as the Syulinskaya variety.*

631.458(571.54)

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**M.V. Boloneva**

### **ECOLOGICAL STATUS OF PRIBAIKAL PASTURES**

*Research Selenga delta area pastures showed that the soils ecological condition are disastrous. The level of productivity and forage value of pasture herbage is low.*

633.174: 631.527: 631.531.02

-mail: Cip-33@yandex.ru

**V. Gusev, V. Larina, A. Hramov, T. Nikitin**

### **SEED-GROWING SUGAR SORGHO – FEATURES TECHNOLOGIES OF CULTIVATION**

*Influence of different techniques - standards of sowing, ways of cropping, and fractional structure of seed grains on yield per unit, cropping qualities and strength of growing of sweet sorgho seeds.*

633.11:[631.559:631.53.02]

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-mail: mar\_p\_go@inbox.ru  
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Y. Larionov, M. Gorbunova, O. Yusova, O. Larionova

### SEEDS AS A BASIS OF REALIZATION OF EFFICIENCY OF A GRADE

*It is revealed, that productivity of crops depends mainly on fruitful properties of high-quality seeds (a degree of development of bodies of sprouts). Fruitful properties of seeds are a basis for a substantiation of ecological seed-growing.*

631.527: 634.74

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N. Nazaryuk

### GRADES OF THE CURRANT BLACK

*At the Lisavenko Research Institute of Horticulture for Siberia dessert-fruit and large-fruit varieties of black currant are created.*

633.2.039.6. (282.256.65)

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70-75%

**O. Nezdiyminoga**

**BOTANICAL AND POPULATION PARAMETERS OF DYNAMICS OF RESTORATION  
OF VEGETATION OF THE BROKEN SITES OF THE VALLEY OF AVERAGE LENA  
THE METHOD OF AGROSTEPPE**

*The agrosteppe method allows reach the increase of general vegetation cover values of the degraded fodder lands up to 70-75% and the improvement of botanical and population parameters, with provided equivalence of botanical composition and ecological conditions of degraded and virgin lands.*

631.524:633.11(571.51)

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: , : lbidum, graecum, ferrugineum, lutescens,  
erithrosperrum, milturum,

2007–2008 .

V. Nikitina, E. Gromova

### THE INFLUENCE OF THE EAR AND GRAIN MORPHOLOGICAL CHARACTERISTICS ON THE WINTER SOFT WHEAT PRODUCTIVITY IN CONDITIONS OF THE KRASNOYARSK FOREST-STEPPE

*The researches results of the winter soft wheat collection in 2007-2008 are presented in the article. The authors have analyzed the influence of the ear and grain morphological characteristics on the winter soft wheat productivity. The ferrugineum species and the Krasnozyorsk wheat samples have been undoubtedly distinguished according to the grain productivity.*

635.21: 631.327

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V. Rychkov, S. Burlov, Yu. Spiridonova, D. Kovalsky, O. Ivanova,  
E. Fileva, E. Tsypan

### THE STUDY OF INT RRELATION BETWEEN THE MOST IMPJRTANT ECONOMICFLLY UY VALUABLE FEFTURES AND POTATO YIELDING CAPACITY

*The article gives studies, on int rrelation be tween essential economic features and potato tubers productivity. A positive correlation ha been found between hybrid yields, insignificant and even negative correlation – with starch content, vitamin C and the taste of boiled potato tubers.*

631.527: 634.72

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(2n=16)  
(2n=24)

V. Salykova

### BREEDING SAMPLES OF REMOTE BLACK CURRANT HYBRIDS OF MODERATELY DRY STEPPE AND STEPPE WITH PLOTS OF VEGETATION OF ALTAI OB REGION

*Estimation of diploid black currant breeding samples (2n=16), with a complex of economy-valuable properties, – descendants of remote black currant american currant and black currant gooseberry sesquidiploid hybrids (2n=24) is given.*

581.143.6:631.527/633.2

### IN VITRO

*in vitro (Medicago varia,)*

N. Stroeva, V. Darkhanova

### LUCERNE MICROREPRODUCTION IN CULTURE IN VITRO IN THE CONDITIONS OF THE CENTRAL YAKUTIA

*The paper presents the results of cultivation in vitro of Medicago varia., of Yakutian origin. The new growth regulator MPN, prepared by mechanochemical methods from fir needles, is recommended for use in Medicago biotechnology.*

581. 4: 633. 262: 581. 52.

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***BROMOPSIS INERMIS LEYS. HOLUB***

*Holub*

*Bromopsis inermis (Leys.)*

A. Fedorova

**VARIABILITY OF MORPHOLOGICAL SIGNS OF KOSTRETSIA *BROMOPSIS INERMIS LEYS HOLUB* IN DIFFERENT CONDITIONS OF GROWTH**

*The morphological variability of Bromopsis inermis (Leys.) Holub has been studied for prediction of productivity and behaviour of plant communities, as well as for their diagnosis and resistance to anthropogenic impact.*

635. 656: 635.658 (571.51)

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A. Khalipsky, D. Stupnitsky, D. Grashenkov

**IMPACT OF THE THICKNESS OF SOWING OF BASIC AND SUPPORTING CROPS ON FORMING OF THE CROP CAPACITY OF PEA AND LENTIL IN KRASNOYARSK FOREST-STEPPE**

*Impact of the ratio of components in mixtures "pea+mustard" and "lentil+mustard" on crop capacity of basic crops in Krasnoyarsk Territory has been reviewed.*

635. 655 (571.51)

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A. Khalipskiy, A. Chyurakov

### IMPACT OF SOWING TIME AND SEEDING RATES ON FORMING OF THE CROP CAPACITY OF SOYA IN KRASNOYARSK REGION

*Issues of the impact of various seeding rates and three different sowing times on forming of the crop capacity of soya in the Krasnoyarsk forest-steppe has been reviewed.*

577.11:631.527:633.262 (571.56 – 191.2)

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*Bromopsis*( ),

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- *Bromopsis*.  
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A. Shein, I. Voronov, K. Ksenofontova

### PHYSIOLOGICAL AND BIOCHEMICAL RESEARCHES OF THE SEED MATERIAL OF KIND BROMOPSIS, GROWING IN THE CONDITIONS OF THE CENTRAL YAKUTIA

*The physiology-biochemical features of different sorts of Bromopsis seeds are explored. The leading role of low molecular antioxidants in germ of introductional sorts of the Buryat research institute of agriculture of «Ostaninskiy» and «Beleg» is shown.*

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19,3 / .

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**N. Yakovleva, F. Lukina, P. Okhlopkova**

## **THE INFLUENCE OF APPLICATION OF REGULATORS OF PLANTS GROWTH ON PRODUCTIVITY AND ON BIOCHEMICAL STRUCTURE OF THE POTATO TUBERS**

*One of the modern directions in potato growing Yakutia is the application of biologically active substances. The efficiency of prelanding processing of tubers was studied by the following biological products: ival TAB, Buton P, Agate 25 , Zircon , Immunositofit, Akost 1/3P, Apin-Extra R, in the dozes recommended by establishments - manufacturers. The increasing of the productivity at processing by the given preparations has made 1,2 - 3,0 t/g - in the control 19,3 t/g. On the sum of positive attributes (the raised or average maintenance of starch, dry substance and an ascorbic acid) were allocated variants with processing « Akost 1/3 » and « Buton ».*





631.4: 551.4

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Ts. Tsybikdorzhiev, B. Khubrakova, B. Gonchikov

### **BONITET AND LAND CADASTRE ASSESSMENT IN DZHIDA REGION OF BURYATIA**

*The summary of investigation of bonitet and land cadastre assessment in Dzhida region of Buryatia are presented in this paper. The humus content, value of pH, summe of absorbing bases Ca, Mg, content of rolling-stock phosphorus, metabolism of potassium and soils granulating content are chosen as criteria. As result the scale of soils bonitet which is consist from 6 groups and 10 classes of lands productivities are passed.*

*This scale are evidently imaged the differences in lands productivities of elementary agricultural crops.*

636.4.03

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**F. U. CHERKASOV**

**MEAT PRODUCTIVITY AND PIG MEAT QUALITY BY LIKE  
AND CROSSBREEDING**

*The results of animal control slaughter, physically – chemical indices of meat and salted pig's fat, morphological and amino acid composition of muscular tissue in investigations of specialized lines of Estonian bacon breed (Sury and Nun) by use as a paternal form in combination with large white lines (Laphet and Secret) are presented in this article.*

631.3: 631.8 (571.54)

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**Yu. Badmaev**

**EFFICIENT CONVERSION ORGANIC SEWER  
IN BAYKAL REGION WITH USING ANAEROBIC BIOFILTER**

*At present, special value gain the complex studies on conversion organic sewer in nature to safe zone lake Baikal.*

*Proposed technology is founded on using bio reactor second generation with anaerobic bio filter in camera of the conversion. Studies are conducted For reduction of the energy expenseses of the bio technological warm-up process of the conversion sewer on using solar collector.*



316.55

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I. Galsanova, Y. Serebryakova

**THE ISSUES OF THE MAINTENANCE OF BURYAT LANGUAGE AND SPIRITUAL CULTURE IN RURAL REGIONS OF BURYATIA**

*A native language is one of the main cultural components which characterize the ethnos. It insures communication among members and generations of the ethnos and transfers knowledge of national traditions and habits.*

1 (091)

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**T. Prezhebylskaya**

**PERSONALITY IN THE SYNTHETIC PHILOSOPHY OF BOROVOY A.A.**

*The article is devoted to a philosophical problem of the personality in the works of Borovoy – a famous theorist of anarchism. The philosophical heritage of the thinker contains deep understanding of the main problem of anarchism – personal freedom.*

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17. 3- », 355017, ,12

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