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619:611.018:636.52/58

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**U. Kushkina**

FSEI HPT «Buryat State Academy of Agriculture named after V. Philippov», Ulan-Ude

**STRUCTURO-FUNCTIONALIS CHARACTERIOTIC OF ISTHMUS OF OVIDACT  
OF THE HENS**

*In work were recalled and studied regularities structured-functional changes to isthmus of the oviduct of hen. Methods modern histochemistr is installed distribution in tissues said organ carbohydrate component (the glycogen, neutral, tart sulfated and syaloglicoprotein, tart sulfated proteoglicans, hyaluronats) and RNA.*

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**D. N. Petruiev, M. G. Shtybova, N. V. Bahlina**  
Research-and-production republican veterinary laboratory, Ulan-Ude  
**V. T. Tsydyrov, Y. Z. Budaev**  
FSEI HPT «Buryat State Academy of Agriculture named after V. Philippov», Ulan-Ude

### **MONITORING ROLE ON PATHOGENIC MICROORGANISMS OF WILD BIRDS OF LAKE BAIKAL**

*Let's carry out bacteriological monitoring among wild birds-migrants. From tests of bodies 21 kinds of wild birds. 21 kinds of wild birds have been deduced from tests of bodies of 54 cultures of microbes. 18 kinds of birds have been defined by carriers of pathogenic and is conditional-pathogenic microflora. Within three years 2545 wild waterfowls from whom in 66 cases antibodies to a virus of an avian flu with gemagglutinines H<sub>3</sub>N<sub>2</sub> have been revealed have been investigated in whey of blood.*

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***LARUS CACHINNANS MONGOLICUS***

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*(Larus cachinnans mongolicus).*

**A. S. Fomina<sup>1</sup>, S. V. Pronina<sup>2</sup>**

<sup>1</sup> Institute of general and experimental biology of the Siberian Branch of the Russian Academy of sciences, Ulan-Ude

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

**MICROMORPHOLOGICAL STRUCTURE OF THE THYMUS IN  
HERRING GULL (*LARUS CACHINNANS MONGOLICUS*)**

*The microanatomy and the cellular structure of the functional zones of the thymus in herring gull *Larus argentatus* have been studied.*





631.445.24

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E. N. Volkova, N. A. Kirillov

### USE CHEMICAL ELEMENTS FOR INCREASE OF FERTILITY OF TURF-PODSOLIC SOILS

*Optimization of entering of nitric fertilizers and limings turf-podsolic grounds allows to improve essentially their fertility and to receive stably high grain yield of cultures, not breaking thus an ecological condition of the given system.*

631.43

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*d2-3* , *d3-5* , 76  
3-5 , 2-3

T. Zybikova, N. Syhanova

### MECHANICAL RESISTANCE OF AGGREGATES TO PRESSING IN UNEVEN-AGE FALLOWS OF ORDINARY CHERNOZEM

*It is shown, speed of restoration of aggregates after regular ploughing higher in aggregate fraction with d 2-3 mm, than d 3-5 mm. Hardening process for 76 years not unidirectional, and includes some stages among which is destruction of aggregates. Humus leads to hardening of aggregates with d 3-5 mm. mechanical resistance of aggregates of 2-3 mm to pressing decreases with increase of the sum of the exchange bases in soil.*

631.4: 551.4 (571.54)

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Pinus silvestris L., - -  
Pinus silvestris L. -

**V. I. Ubugunova<sup>1,2</sup>, M. N. Andreeva<sup>3</sup>, V. L. Ubugunov<sup>4</sup>**

<sup>1</sup>Institut of general and experimental biologi of the Siberian Branch of the Russian Academy of sciences, Ulan-Ude

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<sup>3</sup>Center of Forest Protection of Buryatia Republic, Ulan-Ude

<sup>4</sup>Baikal Institute of Nature Management, Siberian Branch of Russian Academy of Sciences, Ulan-Ude

## **PINE FOREST SOILS OF WESTERN TRANSBAIKALIA**

*Ecological conditions of Pinus sylvestris vegetation are considered. Basic patterns of spatial allocation of pine forest soils are revealed. It is established they grow mainly in subboreal zone type in the forest-steppe, steppe and dry steppe subclasses. In the paper soil systematic list of pine forest soils is resulted and their classification position is given.*

635.21: 631.531.02

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**R. R. Galeev**

FSEI HPT «Novosibirsk State University of Agriculture», Novosibirsk

### **IMPROVEMENT OF MERISTEMATIC SEED POTATO PRODUCTION IN SIBERIA**

*Different ways of the accelerated meristematic potato propagation were studied. It was found out that the cutting propagation of hydroponic meristematic cultures which were later on planted under the nonwoven fabric in the open field was effective.*

633.21.4:631.461.5(571.53)

R. V. Zamashchikov, S. K. Husnidinov, A. A. Martemyanova  
FSEI HPT «Irkutsk State Academy of Agriculture», Irkutsk

### ACCUMULATION OF SYMBIOTIC NITROGEN IN AGROBIOGEOCENOSSES OF PERRENIAL LEGUMINOUS PLANTS IN CONDITION PRE-BAIKAL AREA

*In the article are considers the problem development of nitrogen-fixing bacteria on roots of rare-spread perennial leguminous plants - galega orientalis, onobruchis arenaria and medicago sativa traditionally cultivated in the region. Estimation of general and active symbiotic potentials, specific activity of symbiosis in experimental agrobiogeocenoses.*

633.8.633.2

( 90%).

G. Zaharova

### EFFICIENCY HERBAGE MIX FROM GRASSES AT PASTURABLE USE IN THE CONDITIONS OF THE CENTRAL YAKUTIA

*The main source receipt crude forage in the Yakutsk come natural haymaking and pasture, and theirs considerable area intently in Central Yakutsk (to 90%).*

582.998.1:581.522.68( 571.53 )

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### (SILYBUM MARIANUM (L) GAERTN)

5-7 /

L. Kardakova, Sh. Husnidinov, T. Kudryavtseva, E. Dmi rieva  
FSEI HPT «Irkutsk State Academy of Agriculture», Irkutsk

### PLANT INTRODUCTION OF A THISTLE SPOTTY (SILYBUM MARIANUM (L) GAERTN) IN IRKUTSK AREA

*Thistle spotty is the valuable plant used for treatment of illnesses of a liver, the winter-hardy plant providing receptions of 5-7  $\mu$ /hectares of seeds.*

633.15:631.559:631.17

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R. Kravchenko

### REALIZATION OF PRODUCTIVE POTENTIAL OF HYBRIDS OF CORN ON TECHNOLOGIES OF VARIOUS INTENSITY

*The growth, development and productivity of corn hybrids of different groups of ripeness have been estimated while cultivation with technologies of various intensity. The experiment has been run in the field of the Stavropol state agrarian university. The result is, that rational hybrids selection most stable to the decrease of power expenses in technology of their cultivation, allows to lower anthropogenic loading on the arable land and to observe ecological norms and thus to avoid essential reduction in corn harvesting.*

634.731:581.14(571.54)

*VACCINIUM ULIGINOSUM* L.

E. Mashanova, I. Seculich

CHARACTERISTICS OF THE AGE STAGES OF *VACCINIUM ULIGINOSUM* L.

*The age stages of valuable resources plant Vaccinium uliginosum L. has been studied on the Vitim upland.*

633.39 (571.53)

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N. G. Mirzojan, Sh. K. Husnidinov, T. G. Kudryavtseva

MORPHOLOGICAL PECULIARITIES OF AFTERMATH FORMATION OF *BUNIAS ORIENTALIS* L. UNDER CONDITIONS OF BAIKAL AREA

*There are the presented results of studies on the specificity of vegetative regeneration and aftermath growth of Bunias orientalis L after hay-cutting for feeding purposes.*

635.1/.7(571.1)

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«Seminis».

N. Potapov, R. Galeev

### ENERGY EFFICIENCY OF THE WHITE CABBAGE PRODUCTION IN THE AREAS ALONG THE OB RIVER IN THE NOVOSIBIRSK REGION

*The energy productive efficiency of the Dutch Concern Seminis' white cabbage hybrids was studied. It was found out that the planting date and growth regulators helped to use the energy more economically.*

631.58 (571.14)

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L. Romanova, L. Ivanova

### AGRICULTURAL DIVISION INTO DISTRICTS AVERAGE STRIP TAIGA ZONES OF YAKUTIA

*There are committed results of works on agro landscape division into districts, allocation of agroecological groups midtaiga zones of Yakutia and natural conditionality of placing of agricultural crops on district.*



633.39 : 631.524.84

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**A. Usenko, . Stepanov**

**INFLUENCE OF TERM THE CUT OF HERBAGE SILF THE DECIDUOUS IN THE FIRST YEAR OF THE LIFE ON ITS REWINTERING AND EFFICIENCY**

*Data are resulted researches about influence of term of cutting of herbage in year of crop (landing) on overwintering and productivity of Silphium perfoliatum L. in subsequent years, in condition of southern forest-steppe zone Western Siberia.*

*Silphium perfoliatum L., the term of cutting, overwintering, productivity.*

633.2.031 (282.256.65)

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**V. Ustinova**

**RECEPTIONS OF SAVINGS OF RESOURCES OF IMPROVEMENT THE NATURAL OF HERBAGE STEPPE MEADOW IN THE CONDITIONS OF AVERAGE THE RIVER LENA**

*The paper presents the results of study of improvement of the degraded stepped meadow of the middle Lena River floodplain by applying organic manure in aggregate with mineral fertilizers.*

636.3.033 (571.54)

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5,2% 18 - 6,73 5%.

S. Biltuev, A. Mathanova, B. Rintcinov, M. Halmatov

#### MEAT PRODUCTIVITY HALF – WIRY – WOOL AND BLUE – FLEECE OF BURYAT

*Buryat half – wiry – wool breed of sheep surpass the ones of blue – fleece by meat productivity at age of 7 months they have carcass mass 4,57 kg. more, and slaughter yield – 5,2% more, at age of 18 months – accordingly – 6,73 kg and 5% more.*

A. Dambiev, M. Gylykov, V. Gonerger, P. Kalashnikov, V. Kambalin  
FSEI HPT «Irkutskaya State Academy of Agriculture», Irkutsk  
Advice of veterans of hunting facilities Of Buryatia Republic, Ulan-Ude  
State Organization «Buryat nature»  
The Buryat society of hunters and fishers, Ulan-Ude

**THE VALUE OF SO CALLED ZAKAZNIKI (A SPECIAL PROTECTED ZONE)  
BURYATIYA IN CONNECTION WITH THE WOLF PROBLEM**

*In the paper author spent an estimation of a condition of protected territories of republic and the results of their actions. The estimation of nature protection works decreases because of sharply increased number of the wolf. He shows the damage from wolves and offers actions on regulation of number of these predators.*

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S. Lumbunov, B. Eschijamsoev  
The Buriat rural academy by V.R.Philippov

**THE REPRODUCTIVE PROPERTIES OF SIMMENT OF COWS AND  
BIOTECHNOLOGICAL METHOBS OF THEIS FERTILIZATION**

*In this word carried out the results research work of using biological active praeporat PDE from placenta with aim of decreasing involution period of gist era and prophylactics against post parturition diseases of cows.*

551.481.1

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A. S. Syrenzhapova, E. Yu. Abidueva, B. S. Tsyrenov

**THE ENVIRONMENT AND QUANTITY OF ALKALOPHILIC BACTERIA IN  
THE SODA-SALT LAKES OF BARGUZINE REGION (TRANSBAIKALYE)**

*The environment and quantity of alkalophilic bacteria in the soda-salt lakes were studied. The results of physico-chemical and microbial researches of Barguzin's soda-salt lakes present in article.*

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( *GPS* )<sup>1</sup>

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**B. Z. Tsydypov, V. S. Bazhenov**

**TECHNIQUE OF OPERATIVE DEFINITION OF THE AREAS OF THE GROUND  
AREAS ON THE BASIS OF THE AUTOMATED PROCESSING *GPS*  
(ON THE EXAMPLE OF SUZHINSKY MELIORATIVE RANGE)**

*For land use planning operative estimation of ground areas is especially important. In given paper practical utilization of automated processing of navigating geodetic data is considered.*

631.563:633

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. Kaluzhenin, N. Husev

### THE FRESH HARVESTED GRAIN HEAP AS AN OBJECT OF AUTOMATIZATION

*Examining the fresh harvested grain heap as an object of automatization, it is necessary to take into consideration the following parameters general, specific and additional indexes of the qualities of grain at the end storage and speed of changing of the temperature of grain. Also physiological parameters of grain's condition are additionally introduced.*

631.363.21

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I. Shagdirov, M. Baldanov, E. Galsanova, V. Konovalov

### TO KINETIC CRUSHING PROCESS

*For achievement of certain degree of crushing of an initial product it is necessary to define quantity of blows of a hammer of a grinder on grain.  
Article is devoted the theoretical analysis of process of crushing.*

316.343.45

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**O. Barlykova**

### **PROBLEM OF NATIONAL SECURITY (REGIONAL ASPECT)**

*In this article observed regional aspect of national security, its problems and methods.*

947(571-54)

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XIX .

**I. Garbyz**

### **COUNTRYSIDE FISHING AND FOREST ACTIVITY IN TRANSBAIKALIEN**

*The article is devoted to the countryside fishery and hunting in Transbaikalia in the XIX century. However, they have no universal character and were an additional kind of income.*



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