

ABSTRACTS

AGRONOMY

УДК 633.353:631.527

O.A. Pirogov,
Y.R. Shukis

COMPARATIVE STUDY OF FABA BEAN VARIETIES UNDER CONDITIONS OF THE OB' FOREST-STEPPE OF THE ALTAI REGION

Substantiation of expediency of faba bean use in the Altai Region is presented. Results of testing native and foreign varieties are presented. The conclusion is drawn that the genetic potential of faba beans in the Region can be realized through the variety Sibirskiye.

УДК 631.527:633.11

I.V. Kurkova,
M.V. Teryokhin

EVALUATION OF ECOLOGIC PLASTICITY OF SPRING SOFT WHEAT VARIETIES OF THE FAR EAST SELECTION

The crop yield data for three years, including yields upon various forecrops in 2006 (fallow and soybeans), is presented. Intensity factor calculations on each variety and different ecologic groups are presented. According to intensity factor the variety Amurskaya 75 (of the Amur Region selection) by forecrops and years belongs to extensive type group; the variety Khabarovchanka (Khabarovsk Region selection) belongs to intensive type. The varieties Amurskaya 1495, Dalnevostoch-naya 10 and Lira 98, and three varieties of the Primorye Region selection steadily belong to semi-intensive type.

УДК 631.445.4:631.417.2

Y.M. Sovrikova,
A.B. Sovrikov

EFFECT OF EXPOSURE AND PARTS OF SLOPES ON ACTIVE NUTRIENTS' CONTENT IN THE CONDITIONS OF FORESTED STEPPE OF THE ALTAI REGION

Active nutrients' content varies on various exposures and parts of slopes. Their dependence was defined by means of information-logical analysis. Close connection was revealed between slope exposures and the content of ammonium, nitrate nitrogen and phosphorus. Nutrients content in the year of investigation by high soil moistening in the arable horizon on NE, S, SW slopes was of medium and low availability levels.

FORESTRY

УДК 630.232:630.524.84 (571.15)

A.A. Malenko,
M.Y. Ananyev

GROWTH AND PRODUCTIVITY OF PINE STANDS OF VARIOUS DENSITY IN THE BELT FORESTS OF THE ALTAI REGION

Effect of density and forest growth conditions on growth and productivity of pine stands established by sowing and planting in the conditions of the southern part of the belt forests of the Altai Region is considered.

УДК 630.231

M.A. Terekhov,
Y.G. Paramonov,
V.K. Bashegurov

REGENERATION OF CUTOVER STANDS OF DARK CONIFEROUS SPECIES IN THE NORTH-EAST OF THE ALTAI REGION

By the example of low-hill and medium-hill conditions the role of natural regeneration, particularly growth of dark coniferous species of subsequent generations, in regeneration of cutover stands is considered.

УДК 630.1.630.116.64

A.P. Simonenko,
M.V. Klyuchnikov,
Y.G. Paramonov

LARCH IN PROTECTIVE FOREST BELTS IN THE STEPPE ZONE

Establishment of protective forest belts is the most efficient means for stabilization of desertification processes in the steppe zones; as this takes place, one of the major trees should be larch distinguished by its longevity and modesty to soil-climatic conditions.

AGRICULTURAL ECOLOGY

УДК 631.6:631.67 (571.15)

T.I. Pushkaryova,
M.A. Kulagin,
V.I. Zanosova

NATURAL FEATURES AND CONDITION OF IRRIGATED LANDS IN THE REPUBLIC OF ALTAI

Natural features of high-mountain steppes and current condition of irrigated lands in the Republic are described. The demand for further development of hydrotechnical melioration to increase pastures' and hayfields' productivity in the hard soil-climatic conditions of mountainous regions is substantiated.

УДК 502.5

S.G. Platonova**GEO-ECOLOGIC RESTRICTIONS OF REGIONAL WILDLIFE MANAGEMENT IN WEST SIBERIA**

Geo-ecologic restrictions of regional wildlife management for West Siberia are considered through displays of danger and risk of development of natural processes in view of features of landscape structure of territory and developed systems of moving.

УДК 579.8631.461:631.45

A.I. Fokina**BIOLOGIC ACTIVITY OF SOD-PODZOL ARABLE SOIL POLLUTED BY LEAD ACETATE**

Increase of lead content in soil results in reducing algal flora and contributes increasingly to total micromycete biomass, particularly to that of melanin-containing forms. Catalase activity grows, but clear regularity in changing urease and invertase activity is absent. The reactions of some species of microbiota to lead can be used for bioindication of soil condition.

УДК 63:502.62/.23(571.15)

L.A. Markova**EVALUATION OF CURRENT CONDITION OF SUITABILITY OF PIEDMONT LANDSCAPES OF THE ALTAI REGION FOR AGRICULTURAL USE**

Analysis of suitability of present-day landscapes of the piedmont areas of the Altai Region was carried out. The analysis was based on evaluation of landscape contours and their soil features by the degree of disturbance and resistance to anthropogenic impacts.

ECOLOGY

УДК 595.772 (574.25)

**Z.M. Isimbekov,
A.B. Nurlina****DISTRIBUTION AND LANDSCAPE INHABITATION OF TABANI (DIPTERA, TABANIDAE) IN THE PAVLODAR IRTYSH RIVER REGION**

Data on distribution and landscape inhabitation of tabani of various fauna groups of Bore-Eurasian, Afro-Eurasian and Mediterranean types is presented. Quantitative ratio of tabani in various landscape-climatic conditions of the Pavlodar Irtys River Region is revealed.

УДК 502

**Y.M. Romanova,
V.N. Namazova****REGIONAL FEATURES OF UNAUTHORIZED LANDFILL SITES FOR SOLID DOMESTIC WASTES IN THE ULYANOVSK REGION**

Study of regional features of unauthorized landfill sites and their environmental impact assessment is presented. The research of heavy metals soil pollution at unauthorized landfill sites and their adjacent territories were carried out. The areas of maximum environmental threat were identified.

ANIMAL PRODUCTION

УДК 636.082.35:591.134 «321/324»:636.082.13

**N.I. Shevchenko,
L.A. Kladova,
S.V. Chufenyova**

INFLUENCE OF THE SEASON OF BIRTH ON GROWTH INTENSITY OF YOUNG ANIMALS OF THE HEREFORD BREED

Analysis of productive qualities of the animals of different seasons of birth by actual diets is presented.

УДК 636.087.7:836.082.35:636.2

**M.M. Mazur,
M.A. Chmyryov,
N.I. Shevchenko**

APPLICATION OF PROTEIN CONCENTRATED DRY FEED BOUILLON IN COW NUTRITION

Effect of protein concentrated dry feed bouillon on the change of average daily yield of milk of cows of the Red Steppe breed throughout lactation with various application doses was studied. Optimal application dose (2 g) of protein concentrated dry feed bouillon was identified.

УДК 636.4.082

**N.G. Sarychev,
V.V. Kravets,
L.L. Chernov**

INCREASE OF REPRODUCTIVE POTENTIAL OF REPLACEMENT SOWS BY MEANS OF VARIOUS METHODS OF THEIR FORMATION AND FEEDING LEVELS

It is supposed to group replacement sows from 6 adjoining pens by live weight at the age of 2 months for fattening from the age of 4-6 months. They should conform to the elite class; feeding from 4 till 6 months of age should be maintained at higher level (2.39 feed units), and from 6 till 9 months at moderate level. At that potential multiple pregnancy increases from 14.3 till 15.0 corpora lutea.

TECHNOLOGIES AND MEANS OF AGRICULTURE MECHANIZATION

УДК 631.331.022

**A.A. Brichagina,
V.K. Yevfeyev**

MOVEMENT OF SEEDS AND GRANULES OF MINERAL FERTILIZERS IN THE BUNKER OF A SEEDER

The opportunity of application of laws of the continuous medium for the description of movement of seeds of grain crops and granules of mineral fertilizers in the bunker of a seeder is shown.

ECONOMICS OF AGRICULTURAL INDUSTRY COMPLEX

УДК 338.436.33:338.5

A.A. Kolobova,
Y.A. Romanova

PRICE FORMATION IN AGRICULTURAL INDUSTRY COMPLEX: PROBLEMS AND SOLUTIONS

The concept of price equivalence is revealed, the problems and reasons of price disparity formation for agricultural and industrial products are investigated, the directions on perfection of price relationship in agricultural industry complex are substantiated.

УДК 338.24:631145

M.P. Gritsenko,
L.V. Tsivilyova

CREATION OF BASIC CONDITIONS FOR NORMALIZATION OF FINANCIAL-ECONOMIC ACTIVITY OF AGRICULTURAL BUSINESSES OF A DISTRICT

The long-term planning as an instrument of an economic affect that permits to reduce the negative influence of the environment to the agricultural business is dealt with. The research is carried out in the light of the realization of the Federal Law No. 131-FL "About General Principles of Organization of Local Self-Government in the Russian Federation".

УДК 332.85 (1-22+470.313)

P.I. Klyuchnikov

HOUSING MARKET DEVELOPMENT IN THE RURAL DISTRICTS OF THE RYAZAN REGION

The issues of housing market formation in the rural districts of the Ryazan region are considered. Rural residents, a group of agricultural businesses managers and a group of students of the Ryazan State Agricultural Academy were questioned; the results of the questionnaire are submitted. The requirement for housing conditions improvement is determined.

УДК 351.84

V.I. Rozhentsov

PENSION COVERAGE IN THE CONDITIONS OF PENSION SCHEME REFORM IN THE RUSSIAN FEDERATION

The reform of pension scheme is considered from 2002 when instead of solidary distribution scheme triplicate formation of work pension formation was introduced, consisting of the basic, insurance and accumulating parts.

As the result of the reform under the new pension scheme the amount of work pension is in direct relation to the sum total of insurance payments received by the Pension Fund of the Russian Federation for the whole period of a worker's labor activity.

MANAGEMENT

УДК 378:06.08

M.L. Akishina

DEVELOPMENT OF STRATEGY OF HUMAN RESOURCES FORMATION IN EDUCATIONAL INSTITUTIONS

Approaches to strategy of human resources formation are presented from the point of view of identification functional, professional, technologic, and qualification groups of the employees. The qualification and position distinctions of teaching staff are described. The characteristic of scientific and pedagogical qualifications is given: scientific degrees and scientific ranks. Some results of the work of scientific laboratory of strategic development are reflected in the field of human resources of the Altai State Agricultural University.

УДК 331.1.005.95

T.Y. Kuznetsova,
T.L. Bezrukova

HUMAN RESOURCES DEVELOPMENT MANAGEMENT BASED ON COACHING TECHNOLOGY BY THE EXAMPLE OF ENTERPRISES OF THE ALTAI REGION

Integrated approach to management of human resources development at various enterprises allows representing the situation of economic condition of many branches of industry, which are focused on achievement competitiveness and stability. It is right to assert, that the used techniques of management human resources development, the means, pedagogic motivation technologies of creative abilities development of the employees (especially trade and agricultural enterprises), proved not only their practical reliability, stability, efficiency, but also their applicability in human resources training.
