ABSTRACTS

AGRONOMY

УДК 635.1/7:635.5:631.559(571.1)

T.A. Kuznetsova, N.A. Kolpakov

YIELD AND QUALITY OF LETTUCE VARIETY SPECIMENS IN OPEN GROUND OF THE SOUTH OF WEST SIBERIA

Comparative evaluation of species and variety specimens of lettuce by yield, length of economic usability and biochemical composition of plants grown in open ground of the South of West Siberia is presented.

УДК 631.4:549

I.T. Trofimov. I.Y. Bakhareva. N.P. Chizhikova

CHEMICAL-MINERALOGICAL CONTENT OF SOILS OF STRIP FORESTS OF THE VALLEYS OF ANCIENT RUN OFF AND OF THEIR TERRACED SLOPES OF THE PRE-ALTAI PROVINCE

The main component of silt material of investigated soils is bitrioctahedral micas. The fraction <0.001 features higher content of quartz and feldspar.

In clay minerals hydromicas prevail (80%), the amount of chlorite is not more than 20%.

УДК 632.954

A.A. Platunov, R.R. Gazizov

EFFECT OF SOME PRE-PLANTING TILLAGE TECHNIQUES AND CHEMICAL METHOD ON WILD OAT AMOUNT REDUCTION IN STANDS AND ON CROP YIELDS IN THE CONDITIONS OF THE KIROV REGION

For a long time the problem of wild oat control has been quite urgent. Some data on the analyses of the degree of contamination by wild oat of grain samples, on competitive effect of crops in rotation during vegetation period is presented. The results of investigation of crop yields depending on pre-planting treatment and on contamination by wild oat are presented.

УДК 632.954

A.V. Ilyin, N.V. Yashutin

EFFECT OF GRAMICIDES ON TECHNOLOGIC PROPERTIES OF WHEAT GRAIN

An important indicator of grain quality is protein content. Protein content determines not only nutritious value of grain and of the products of grain processing, but also its technologic properties. When grain contains 28-30% of crude gluten, which corresponds to 13-14% of protein, and the gluten is of good gas-retaining ability, it is possible to bake bread with good porosity and with good volume outcome. Herbicide application influences not only the yield, but also grain quality.

ABSTRACTS

By gramicides application improvement of all grain quality indicators was revealed; moreover, a trend of quality improvement with gramicides application rate increase was observed.

УДК 633.63:631.53.02

L.Y. Tsaryova

STUDY OF SOME SUGAR BEETS SEED BREEDING TECHNIQUES

The results of an experiment on study foundation sugar beets growing techniques are presented. The effect of ecologic conditions and seed treatment by microbiological preparations on sugar beets productivity is considered.

УДК 633.16:631.527.541

N.I. Aniskov, D.V. Garis

THE PATTERN OF INHERITANCE AND SYSTEM OF GENETIC CONTROL OF PRODUCTIVE TILLING CAPACITY IN DIALLEL CROSSING OF HULLESS AND CHAFFY BARLEY VARIETIES

The pattern of inheritance, combining ability and genetics of the trait "productive tilling capacity" of barley are described. Reliable differences between varieties and hybrids on that trait are demonstrated. The investigation of combining ability and genetic analysis by Hayman revealed predominance additive-dominant genes systems. It was noted that selection for that trait intensification may be started beginning with F2. The varieties Omskiy 88 and Omskiy Golozerniy 1 are recommended as donors for breeding programs.

AGRICULTURAL ECOLOGY

УДК 631.431

I.V. Nikolaveva,

T.N. Pochatkova.

A.S. Manucharov

EFFECT OF NITROGEN FERTILIZERS AND LIMING ON RHEOLOGIC PROPERTIES OF SOD-PODZOL SOILS

Rheologic studies allow revealing internal nature of strength properties of soils and identifying predominant type of structural bonds in soil. Nitrogen fertilizers and lime affect differently on structural condition of sod-podzol soils. For all variants it is typical demonstrating drifting and dilatancy as well as thixotropic recovery of structure and rheopexy. Bond between the particles is of coaqulation nature. Nitrogen application results in increase of coagulation structures. Breakable crystallization bonds appear by soil drying, and they do not recover upon breaking.

УДК 631.4:587(571.15)

S.V. Makarychev, L.V. Ternovaya

FORMATION OF HEAT AND MOISTURE RESOURCES IN LEACHED CHERNOZEMS WITH VEGETABLE CROPS IN THE CONDITIONS OF THE RIGHT BANK AREA OF THE OB RIVER

Formation of heat and moisture regimes in soil profile of chernozems is determined by biologic features of the cultivated vegetable crops.

ANIMAL PRODUCTION

УДК 636.03:636.22/.28

N.V. Samburov

PRODUCTIVE FEATURES OF HOLSTEINIZED BLACK-AND-WHITE CATTLE

Growth and development, milk productivity, reproductive potential of black-and-white and Holsteinized cattle were studied. It is revealed that mixed bred (F₁) heifers at the age of 12, 15, and 18 months exceed by live weight their pure-bred contemporaries and the ones of 3/4 pure blood. Higher milk productivity is revealed in mixed bred F2 cows. Mixed bred animals exceeded purebred black-and-white ones by conception rate and insemination index.

УДК 636.22/28.082.26

Y.Y. Lebedko, L.N. Nikiforova

EFFICIENCY OF USE RED-AND-BLACK HOLSTEINS IN THE CONDITIONS OF THE BRYANSK REGION

Comparative evaluation of milk productivity of cows, daughters of Holstein bulls, is presented. For individual bulls difference in milk yield amounts 307-702 kg, that should be considered in further breeding work on Holsteinized herds.

УДК 639.215.42 (571.15)

S.S. Lee, D.N. Gayer

STATE OF BREAM POPULATION IN THE UPPER OB RIVER AND CHARACTERISTIC OF THE TRADE

The main food fish in the Upper Ob River is bream. On average for the recent 8 years the catch of bream in the river system amounted 74 tons or 63.4% of the total catches. The basis of commercial and spawning schools is made of species aged 4-7 years.

Fishing industry of the Region is in shabby state, there is a trend for redistribution of catch volume in favour of minor companies and amateurish fishing.

УДК 619:636.591

Y.M. Malofeyev, L.Y. Maydorova

MORPHOLOGY OF HOOFS OF MARAL (Cervus elaphus sib.)

Data on anatomic and histological structure of the distant part of extremities of adult marals, the hoofs, is presented. Tissue elements of proper hoof and of corneous capsule are described. References on that topic are provided.

TECHNOLOGIES AND MEANS OF AGRICULTURE MECHANIZATION

УДК 631.3.004 (075)

V.A. Zavora, V.I. Tolokolnikov, M.V. Chibryakov

PECULIARITIES OF TECHNICAL SERVICE OF TRACTORS OF PIEDMONT ZONE OF SOUTH-SIBERIAN REGION

Brief characteristic of the relief of South-Siberian region is presented; influence of the relief on frequency of maintenance works on tractors operating in the piedmont zone is considered.

ECONOMICS OF AGRICULTURAL INDUSTRY COMPLEX

УДК 637.12/14 L.B. Vinnichek, Y.V. Fudina

SOCIAL-ECONOMIC ISSUES OF MILK AND DAIRY PRODUCTS CONSUMPTION

Social-economic issues of milk and dairy products consumption by the population of the Penza Region are substantiated. The role of remuneration of labour in the formation of "consumer goods basket" is proved.

УДК 339.138:664(571.15)

D.A. Neyfeld

COMPETITIVENESS RESERVES FOR THE COMPANIES OF MACARONI INDUSTRY

Characteristic of macaroni products market of Russia and the Altai Region is presented, the factors influencing the market are revealed, the trends of industry development on the whole and of the Altai processing companies are identified. Definitions of competitiveness advantages are given, the reserves of their use are considered.

УДК 332.14 Y.S. Ananchenko

CLUSTER APPROACH FORMATION AT REGIONAL LEVEL

Urgency of cluster approach application to increase competitiveness of the regional economy is considered. Prerequisites of the following three clusters' formation in the Altai Region are analyzed: bio-pharmaceutical, agricultural industry, tourist. Expected results of cluster policy realization are presented.

УДК 338.43:332 A.N. Lukyanov

ECONOMICS OF AGRICULTURAL INDUSTRY COMPLEX OF A RURAL MUNICIPAL DISTRICT AS THE BASIS OF IDENTIFYING THE MANAGEMENT OBJECTIVES AND TASKS

The functions of a rural territory, the structure of its economic entities are described as well as approaches and principles which should be considered by administrative authorities when interacting with economic entities, interaction of the authorities with enterprises of various property forms; criteria of classifying the enterprises of the territory are proposed.

УДК 633.1.004.12:631.15/.16 (571.15)

V.B. Bublikov

INCREASE OF BREAD-GRAIN QUALITY AS THE MAIN FACTOR OF ITS COMPETITIVENESS

Necessity to improve wheat grain quality parameters in agricultural enterprises of the Altai Region is considered with the purpose to increase its competitiveness in the grain market.

ABSTRACTS

FINANCE AND ACCOUNTING

УДК 657.47:338.242 + 338.512

L.G. Glubokova

METHODOLOGY OF MANAGERIAL ANALYSIS OF DISTRIBUTION COSTS OF A TRADING COMPANY

Methodology of managerial analysis of distribution costs of trading companies is presented. The purpose is to define the basic stages of managerial analysis of distribution costs and their characteristics.

УДК 339:657

L.I. Kirkeyeva, N.S. Kozhedub

ADMINISTRATION OF ANALYTICAL CONTROL OF DISTRIBUTION COSTS IN THE COMPANIES OF RETAIL TRADE BY VARIOUS FORMS OF BUSINESS ACCOUNTING AND TAXATION REGIMES

Control of distribution costs is of great importance in the system of business and tax accounting, as their reduction is the major factor of efficiency increase of a trading company activity. The conducted research revealed drawbacks in administration of control of distribution costs in retail trade companies. First of all, it concerns the administration of analytical control of distribution costs.

M.M. Ogorodova УДК 631.162

MANAGERIAL ACCOUNTING IN AGRICULTURAL ENTERPRISES

To increase competitiveness of agricultural products it is necessary to pay special attention to costs control. And to improve costs accounting in the conditions of market economy managerial accounting is of objective necessity.