Elchaninova N.N., Vasin A.V., Zasypkin M.E. Comparative Efficiency of Legumis at Different Levels of Mineral Food.

Legumis, efficiency of leguminous cultures, fodder units, solid, protein.

The article is concerned with the efficiency, fodder value of legumis at different levels of mineral food.


Soil processing, crop rotation, tillage, minimal processing, resource-saving technologies, productivity.

Possibility and expendency of soil processing combined system application in field crop rotations of Volga forest-steppe providing essential of minimal processing under grain crops and annual grasses are proved.

Vasin V.G., Vasina A.A. Crops Seeding Methods and Soya Seeding Norms in the Conditions of Average Volga Region Forest-steppe.

Grades, crops seeding methods, norm of seeding, density of standing, dynamics of linear growth, grain yield, gathering of fodder units.

By researches of 2007-2009 it is revealed that the grade «Soer 4» for wide 45 sm row seeding was the most yield (2,33 t/h) and 600 thousand norm of seeding for 1 hectare and (2,27 t/hectares) for usual ordinary row seeding and 700 thousand norm of seeding.

Rabochev G.I., Borodakova N.N. Growth Regulators and Biological Preparations Application Efficiency for the Potato Yield in the Conditions of Volga Forest-steppe.

Growth regulators, biological products, photosynthesis, plants biological protection, potato, plant, starch, leaves.

The results of growth regulators and biological products for potato morphological structure formation are presented. The purpose is to study efficiency of growth regulators influence and protection frames of plants for potato growth, development and productivity.


The mixed crops, pure crops, mixes of grasses, fodder units, dry substance, protein, exchange energy.

In this clause the efficiency and fodder value of the green forage and hay polyspecies crops is considered.

Menshova E.A. Comparative Researches of Barley’s Seeds Presowing Irradiation by Electromagnet Waves EHF Ranges Regimes.

Presowing cultivation, electromagnet irradiation, parameters of growth, barley, seeds, sowing quality, elements of yield’s structure.

In this article the results of barley’s seeds electromagnet irradiation and biological preparation AGAT-25K influence researches are stated with the purpose of plants growth and development basic parameters improvement, and also the raising of resistance to some diseases.


Weeds, annual, long-term, herbicides, mixes, growth factors, productivity.

The most effective in struggle against annual and long-term two-submultiple weeds is mixer of Oktapon Extra 0,3 l/hectares + Terramet plus 10 g/hectares, and Terramet Duet 0,5 l/hectares.


Preseeding influencing, magnetic fields, spring wheat, seeds, productivity.

The results of researches showed that presowing influence of spring wheat seeds by impulse magnetic fields are the optimal of the most studied indexes and efficiency is the same as the using of biological preparations.

In article the efficiency of herbicides various mixes application influence for the grain yield of spring wheat Tulajkovsky 10 and summer barley Prairie is considered.


The mixed crops, mixes of grasses, dry substance, fodder units, protein, exchange energy.

In 2008-2009 were carried out researches of fodder mixed crops studying. It has been established that growing of cereals crops (barley, oats) with bean (peas, lupin) is more expedient because the forages have balanced fodder qualities.

Vasin A.V., Kokotov M.G. Efficiency and Fodder Advantages of Polyspecies Crops Yield for Forage.

The mixed crops, mixes of grasses, dry substance, fodder units, protein, exchange energy.

In this article the researches of fodder mixed crops studying are considered. By results of two-year experimental material it is shown that the mix of barley and oats fodder qualities was the most fruitful than three and four component mixes.


Spring wheat, SWF, IMF, activators of illnesses, root decay, black germ, productivity.

In this article the results of spring wheat seeds preseeding processing influence methods researches with the purpose of improvement the basic parameters of growth and development of plants, and also its yields increasing.


Beef cattle breeding, forage reserve, requirement for forages, green and raw conveyor, natural and crops pastures, fodder wedge, crops areas.

The requirement of forages and forage crops areas for reserve, having 1000 planning heads of livestock in the first year with the subsequent increasing for 5 years in 2,7 times is defined.


Soya, seeds proceeding processing, risotorphin, biostimulators, fodder units, protein.

In this article the results of Soya fodder value efficiency researches are resulted by risotorshin and other growth factors in seeds proceeding processing use.

Nesmeyanova N.I., Kalashnik G.I. The Efficiency of Barley Growing Fertilizers Long-term Systematic Application in the Forest-steppe of Samara Region.

Barley, the ratio of nutrients in fertilizer, crop rotation, yield, grain quality, soil fertility.

The results of fertilizers prolonged use (1978-2008 years) effect studies for the yield of barley It is found that the most favorable ratio is N, P2O5, K2O 1:1:0,5, with long-term systematic application of this relation can be 1:0,5:0,5.


Photosynthesis, the area of leaves, photosynthetic potential, cleanliness, efficiency of photosynthesis, organic weight, biological product.

In the steppe zone conditions the sheet surface actively works to grain phase. Application of biostimulators raises the size of leaves area and photosynthetic potential and doesn’t influence to net productivity indicator photosynthesis.

Saveleva E.N. Microwave Range Electromagnetic Radiation Effect for Potato Beetle Body Weight and Stability to Insecticides.

The potato beetle, plant protection, electromagnetic radiation, microwave range, body mass, stability to insecticides.

For the first time in Volga region conditions electromagnetic radiation is offered for struggle against the potato beetle. Parametres of this radiation, processing time which influences on body mass and stability to insecticides of the potato beetle are spotted.

Flax olive, weeds, control measures, herbicides, tank mixes, working composition, toxicity, synergism, competitive ability, species composition, spectrum of activity, productivity.

Flax olive in the beginning of vegetation has low competitive ability against weeds, and therefore the application of herbicides in its crops is obligatory. The application of herbicides Bazargan M, akkurat, agrokson and sekator turbo does not include the whole spectrum of weeds, that is eliminated by application of two herbicides mixtures with various active substances with half norms of the consumption for each.

Postovalov A.A. Seeds Preseeding Disinfection by Preparation as Factor of Pea Stability to Disease Increasing.

Pea, root rot, ascocytta, chemical and biological preparations, productivity.

The most wide-spread pea disease is found. Using seeds preseeding processing by preparation reduces pea root rot and ascocytta affect.


Mixed crops, seeding rate, fodder unit, productivity, oats, vetch, rape, drained lands.

The article discusses crops seeding rates for mineral nutrition background and presents the optimal seed rates for mixed crops on drained lands.

Naumov V.D., Rikalin F.N. Soil Microflora Activity under Different Soil Content Systems in the Irrigated Gardens.

Paro-siderative and cespitose humus system, soil microflora, actinomycete, anaerobic nitrogen fixers, microscopical fungi, cellulose decomposing capacity microorganisms.

Some data, depending on the quantity of various soil microorganism groups, are analyzed according to soil content system in the irrigated garden of Middle Volga region. Positive influence of paro-siderative and cespitose humus system on the increase of useful soil microorganisms such as saprophytic bacteria, actinomycete, ammonicators and cellulose decomposing capacity microorganisms in 1,5-4 times, anaerobic nitrogen fixers stimulating soil mineralization processes and creating favorable dietary apple tree pattern in scores of times is discovered here.

Yarkova N.N., Yeliseev S.L. Summer Grain Crops Seeds Productivity and Sowing Qualities in Pre-Urals Area.

Wheat, barley, oats, grades, background of fertilizers, productivity, sowing qualities of seeds.

Summer grain crops seeds productivity and sowing qualities data in Pre-Urals Area are generalized. It is established, that productivity and sowing qualities of grain crops seeds in greater degree differ on crops, and in smaller from grade and background of fertilizers.

Rikalin F.N. The Dependence of Apple Tree Productivity on Irrigating Modes in Case of Different Soil Content Systems in the Garden.

The sum of effective temperatures, hydrothermal coefficient, clean cultivation, cespitose humus system, black steam, the smallest water absorbing ability of soil, irrigating norms, increment in vegetation shoots, productivity, gardens' productivity.

The article deals with the influence of different irrigating modes on the vegetative growth of shoots, productivity, the quality of apples and the productivity of the best release kinds of apple trees in case of keeping the soil in the garden in terms of different soil content systems. The highest results on all types of apples were achieved under the conditions of the appropriate soil humidity on the level of 85% in the period of the vegetation period.

Dulov M.I., Volkova A.V., Makushin A.N. Millet Different Varieties Grain Quality and Yield Formation Depending on the Level of Mineral Nutrition and Application of Biological Preparations Alba in Average Volga Forest-steppe.

Millet, sort, level of the mineral feeding, unstress preparation Alibit, productivity, structure of the harvest, productive shruberry, protein, cellulose, ash, fat, lizin, metionin, cistin.

Mineral fertilizers accounting doses influence studies results in combination with sowing using the unstress biological preparation “Alibit” for harvest structure elements, productivity and millet grain sort Saratovskoe-6, Krestiyanka and is Zaryana food value is concerned.

Kanareikina S.G. Using Mare Milk for Acidophilus Preparation.

Milk of mare, cow milk, acidophilus milk, ferment, functional product.

The results of processing mare milk in mix with cow milk for acidophilus manufacture new direction research are resulted. Parametres of mare milk and cow milk mixing processing technological modes to functional product – acidophilus milk are proved.

Dulov M.I., Krutyaeva E.V. Using Iodine Containing Raw Material in Mixture Rye and Wheat Flour Bread Production.
Iodine, containing iodine join, bread, quality of bread, iodkazein, sea kale, containing iodine salt, ioddar, chemical factors quality.

Using iodine containing raw material influence studies results for mixture rye and wheat flour bread quality are brought and degree of the iodine destruction in its production and keeping process. It is noted that maximum losses of the iodine exist after pilot models baking.

Kanareikina S.G. Prospects of Mare Milk Using for Yoghurt.

Mare milk, aminoaciding structure, chemical compound, yoghurt.

The condition of various farm animals milk use during sour-milk products production is analysed. The new data of dynamics qualitative and quantity indicators of fibers in mare milk of koumissing complex «Ufa horse-breeding centre №119» is obtained. For the first time the parameters of mare milk for yoghurt processing technological modes are proved.

Khakimov I.N., Khakimova M.I., Mudarisov R.M. Chemical and amino acids structure of Angus and Limuseen breeds calves beef.

Breed, beef, chemical compound, the maintenance of fiber, amino acid, biological value.

The researches have shown, that Angus and Limuseen breeds calves beef differs by chemical compound, the maintenance of amino acids and biological value

Dulov M.I., Kazakova E.S. Dough for Bread Production Preparing Methods Optimization from Spring Wheat Ruptured Chinch Grain Flour.

Bread, cereals, damaged bug-turtl, the quality of bread, baking score products, dough, dough preparation methods.

The researches results of dough making methods influence for general baking estimation and finished articles output from flour of grain summer soft wheat of Kinelskaja-59 and Tulajkovskaja-5, the Average Volga Region forest-steppe in various years weather conditions and damage rate by bug-turtl are resulted.