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ABOUT STATE FOREST MANAGEMENT

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The article is devoted to the history of the development of forestry in Russia since the pre-Peter the great time and up to the present, the formation of the State of forest management.

Key words: State-owned forests; the Admiralty Board; Department of Forest; Forest; forest code; structure of forest management.

HISTORY OF FOREST MANAGEMENT IN UDMURTIYA

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The article deals with the issues of forest management in the Udmurt Republic in the historical aspect. The modern structure of the management of the forests of the Republic is presented.

Key words: structure of forest management; forest management; annual allowable cut (AAC); forestry code; forestry and forest parks; sustainable forest management.

ANALYSIS OF THE ALLOWABLE CUT BIRCH ECONOMIC SECTION OF THE UDMURT REPUBLIC

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The article considers the question about the meaning of birch stands growing on the territory of the Udmurt Republic. The analysis of use of annual allowable cut birch economic sections for the period from 2002 to 2011 is presented.

Key words: Birch; allowable.

THE HISTORY OF THE DEVELOPMENT OF PROTECTIVE AFFORESTATION IN RUSSIA

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The study of soil erosion and the development of measures to combat many years. The USSR, as an agrarian country, has paid particular attention to this issue. The government constantly taken of the resolution, indicating the need for protective forestation, but the «plan of nature transformation» was not executed.

Key words: soil erosion; protective afforestation; protective forest plantations.

ADVANCED FEATURES OF DESIGN STANDS TO THE OUTCOME OF SOIL SURVEY IN THE REPUBLIC UDMURT CONIFEROUS-DECIDUOUS FORESTS OF THE EUROPEAN PART OF THE RUSSIAN FEDERATION

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The features of the design space of perspective taking into account the results of the soil survey in the area of mixed coniferous-deciduous forests in the European part of the Russian Federation on the example of the Udmurt Republic.

Key words: soil; sustainability; test plots; tree stands; ecosystem; phytocoenosis.

FACTORS AFFECTING THE SANITARY STATE OF THE FOREST STANDS IN THE UDMURT REPUBLIC

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The article identifies main factors, which cause the weakening and destruction of forests in the Udmurt Republic.

Key words: spruce; adverse factors; sanitary state; forest stand.

IMPACT OF THE ROOT ANAEROBIOSIS ON THE GROWTH AND DEVELOPMENT OF THE SEEDINGS OF SCOTCH PINE (PINUS SILVESTRIS L.)

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These studies detected the influence of the root hypoxia on the content of carbohydrates and free amino acids at the early stages of a root anaerobiosis in the area of the Scotch pine germ roots during controlled vegetative experiment.

Key words: root anaerobiosis; scotch pine.

THE REACTION OF THE POTATO VARIETIES ON THE TUBERS PREPLANT PROCESSING BY INSECTOFUNGICIDES

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Preplant tubers processing by the Prestige drug significantly (by 1,7-2,8 t/ha) increase yield of all varieties of the potato compared with yields in control groups. The greatest yield increase (3.5 t/ha) the average for all the varieties relatively to the yield after the water processing of the tubers, were provided by the preplant tubers processing by the Prestige drug in combination with microelements.

Key words: potato; potatoes; insectofungicide; the Colorado potato beetle; the click beetle.

TECHNIQUE OF STUDYING OF USE OF A SETTLEMENT CUTTING AREA ON CABINS RIPE AND OVERMATURE FOREST PLANTINGS FOR THE DESIGN PERIOD IN THE UVINSKY FOREST AREA

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The detailed analysis of research is provided in article settlement cutting areas on cabins of ripe and perestoyny forest plantings over the last 10 years. On this basis actions for improvement of its use and increase of profitability of cabins of the ripe and perestoyny woods are offered.

Key words: forest fund; the cabin of ripe and perestoyny forest plantings; settlement cutting area; use of the settlement cutting area; not taken out (thrown) wood.

ANALYSIS OF THE STATE FOREST FORESTRY UDMURT REPUBLIC LOCATED IN THE TAIGA FOREST VEGETATION ZONE IN THE SOUTH - TAIGA REGION OF THE EUROPEAN PART OF THE RUSSIAN FEDERATION AND THE DEVELOPMENT OF RECOMMENDATIONS FOR THEIR USE

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The forest fund in the Udmurt Republic under forest legislation related to two areas of forest growth. Therefore, actual analysis of forest to forest areas by forest vegetation located in the same area and the area.

Key words: forest resources; analysis of forest resources; sustainable management of forests.

THINNING AS ONE OF THE MAIN MEASURES TO PRESERVE AND INCREASE THE FORESTS PRODUCTIVITY IN VAVOZHISKY FORESTRY

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The results of the analysis of thinning in Vavozhskoe forestry Udmurt Republic for last 3 years are presented in this article. The analysis of carrying thinning is presented on basis mathematical-statistic data processing of research is resulted. The is recommendation for carring of thinning.

Key words: wood fund; thinning, thinning efficiency; thinning; continuous cutting.

TARGET ESTIMATED FIGURES FOR THE PLANNED FOREST DEVELOPMENT IN THE YARSKY FORESTRY

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The research issue is to study forest fund condition, to evaluate and develop measures for the most efficient forest use of the Yar forestry. In work results of the analysis of dynamics of lands of wood fund of forest areas of the Yar forest area for the purpose of identification of positive and negative sides under the authority of forestry and to use of lands of wood fund for 2008-2012, shows the development of actions for the steadiest management of the woods are stated. Critical evaluation of data is given.

Key words: wood fund; dynamics of wood fund; Wood plan; steady management of the woods; Yar forestry.

ANALYSIS OF THE SPREAD OF ROOT SPONGE IN PINE PLANTATIONS IN THE SYUMSINSKY FORESTRY

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Based on a survey of plots in pine plantations revealed defeat their heterobasidion. It is revealed that the ripening plantations enjoyed strong defeat heterobasidion. To prevent the spread of the disease on the territory of the forest proposed implementation of selective sanitary cuttings.

Key words: pine plantations; the root sponge; the degree of the damage; felling; selective sanitary cuttings.

STUDY OF PHYTOSANITARY CONDITION OF SPRUCE WOOD ON THE EXAMPLE OF ZAVUALOVSKY FORESTRY OF THE UDMURT REPUBLIC

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Held phytosanitary estimation of spruce forests in Zavualovskom forestry, on the basis of which developed a draft of the measures to increase sustainability of forests and their protection against forest pests and diseases.

Key words: phytosanitary condition; forest management; plot; fir sponge; bark beetles; fir ordinary Sawfly; quarter; a mass lesion.

ANALYSIS OF THE IMPACT OF GRAY PINE BARBEL ON PINE ORDINARY IN KARAKULINSKY FORESTRY

K.S. Bolkiseva – Student

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Grey barbel (*Acanthocinus aedilis* L.) is the most common inhabitant of the pine forests. Surveys sample areas, the number of population of the trees was 27–57% of the total number of trees. Recommendations for the protection of forest plantations from pests.

Key words: plot; grey barbel; pine; stem pests.

COMPLEX ASSESSMENT OF THE RECREATIONAL POTENTIAL OF THE FOREST PARK ECOSYSTEMS OF URBAN FOREST IN IZHEVSK

V.I. Kuznetsov – Student

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The state of the urban forests, the city of Izhevsk and ecological approaches to the study of the structure and stability of forest ecosystems.

Key words: recreation; sustainability; test plots; tree stands; ecosystem; phytocoenosis.

STUDYING OF REFORESTATION ON THE EARTH'S BROKEN AT OIL EXTRACTING IN THE IGRINSKY FOREST AREA OF THE UDMURT REPUBLIC

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The intensive oil extracting results to increase in scales of the technogenic pollution of the earths. Oilfield waters – one of the basic pollutants at oil extracting. Pollution of soils by such waters is accompanied accumulation of salts, increase in density and water penetration decrease. Besides, the condition of ecosystems sharply changes. Today there are some ways of restoration of the broken earths one of which is wood recultivation.

Key words: wood recultivation; wood cultures; oil extracting; hydrocarbons; oilfield waters

STANDS OF BIRCH UDMURT REPUBLIC, GROWING IN THE ZONE OF CONIFEROUS BROAD-LEAVED FOREST AREA IN THE CONIFEROUS-DECIDUOUS FORESTS OF THE EUROPEAN PART OF THE RUSSIAN FEDERATION

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The article analyses the distribution of birch trees in the forest areas of the Udmurt Republic is located in the zone of coniferous-broad-leaved forests of the district coniferous-deciduous forests of the European part of the Russian Federation.

Key words: forests with a predominance of part of birch.

DYNAMICS OF INDICATORS OF FLOWERING LINDEN TREE STANDS THE UDMURT REPUBLIC IS LOCATED IN THE ZONE OF TAIGA FORESTS IN THE SOUTH-TAIGA AREA OF THE EUROPEAN PART OF THE RUSSIAN FEDERATION

A.V. Churakov – Student

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The article describes the dynamics of indicators of flowering stands of the Linden trees in the forest areas of the Udmurt Republic. Identified variability points flowering.

Key words: are stand of lime trees; the age groups; trial areas; blossoming grade.

THE RESEARCH OF GULLIES AND RAVINES NETWORK ON THE TERRITORY ZAVYALOVSKY FORESTRY OF THE REPUBLIC OF UDMURTIA

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To investigate the ravine network in Zavyalovsky forest was selected ravine, located in quarter 59. For the analysis of the ravine were measured indicators of depth, widths and lengths the ravine, studied living ground cover and natural regeneration, as well as soil conditions.

Key words: soil erosion; gully; erosion gully; runoff; antierosion measures.

WOOD RECULTIVATION ON THE EARTH'S BROKEN AT OIL EXTRACTING IN THE IGRINSKY FOREST AREA

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Oilfield waters – one of the basic pollutants at oil extracting. Pollution of soils by such waters is accompanied accumulation of salts, increase in density and water penetration decrease. Besides, the condition of ecosystems sharply changes. For research of the polluted earths 6 trial areas in territory of the Chutyrsky oilfield and gas have been put. On the basis of the spent researches conclusions are drawn on a qualitative condition of wood cultures, comparison of success of their creation on broken and on not polluted sites is shown.

Key words: wood recultivation; wood cultures; oilfield waters.

DEFEAT OF PINE FOREST STANDS BY PINE FUNGUS IN SYUMSINSKY DISTRICT (UDMURTIA)

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The researches were made in pine forest stands of Sumsi district (Udmurtia). The aim of the research are to study pine forest stands and educe the extend of diseases by pine fungus. Recommendation are made based on the result of researches.

Key words: pine forest stands; pine fungus; flaws in the wood; infestation by insect.

EFFECT OF CYRTOCLYTUSCAPRA ON STATE OF SCOTCH PINE

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The cyrtoclytuscapra it is the most inhabitant of pine forests and is found in large quantities The researches were made in pine forest stands of Karakulino district (Udmurtia). The study was laid four test areas. This pest is met by two test areas. In the first plot the defeat was 5%, in the second plot - 27%.

Key words: shrinking of fir tree forests; cyrtoclytuscapra; control measures.

FACTORS OF DAMAGE OF SPRUCE FOREST STANDS

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The article presents the factors influencing on the shrinking of fir tree forests. The impact of the eight-dentated bark beetle on the fir tree forests and control measures it considered there. The consequences of natural factors and mechanical failure and measures of protection are presented in this article.

Key words: shrinking of fir tree forests; eight-dentated bark beetle; control measures with timber beetle.

NEW VARIETIES OF INDETERMINATE HYBRID TOMATOES FOR GREENHOUSE

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Studied new varieties of indeterminate hybrid tomatoes for greenhouse in winter greenhouses on organomineral soil, the best in terms of yield were considered hybrids F1 Simulator and F1 Bel Canto.

Key words: tomato; hybrid; greenhouse; protected ground; soils.

THE BIOECOLOGICAL CONDITION OF WOOD PLANTINGS IN THE URBANISED ZONE OF THE CITY OF IZHEVSK

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Now the intra domestic plantings, urged to improve and revitalise the urban environment, often need protection. Pollution by the heavy metals, the insufficient lighting, the broken mode of soils and other factors lead to decrease in stability of plants, to infection with wreckers and diseases. Results of the researches which have been carried out in the central part of Izhevsk for 2010-2012 have shown that the majority of the wood and shrubby plants growing in inhabited yards, are in the unsatisfactory condition. The gardening and accomplishment project with partial cutting down and replacement of plants and updating of small architectural forms is developed. Implementation of the project by city utility services is planned.

Key words: Izhevsk; Bioecological state; residential area; urban environment; green spaces; assessment of living conditions; reconstruction territories; residential yard; soil samples were; city beautification; planting of greenery; architectural forms; trees and shrubs.