

CURRENT SITUATION AND THE WAYS OF INTENSIFICATION OF POPLAR FOREST PLANTATION PRODUCTION IN VOLYN REGION OF UKRAINE

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The aim of our research was to summarize an experience, to identify and assess the main trends of modern establishment of forest plantation production in the region and suggest ways of improvement due to the current requirements and challenges.

Materials and methods of the research. Set out in Article principles are based on the analysis and synthesis of the reporting materials of Volyn Regional Forestry and Hunting enterprise according to the volume, technology and work quality indicators of poplar plantation production, survey of the most salient objects in nature.

Due to Volyn region is rich on productive industrial forest, flat landscape, large number of low-value and not productive land, which is unsuitable from agricultural point of view, favorable climate, etc., the region can be considered very promising in terms of intensive development of forest plantation production.

Since nowadays in the state, and the region in particular, we observe an extensive development of close to nature forestry, or so-called adaptation forestry, it is necessary to create a transformational approach which will replace the natural processes into the technological and it will help to reduce the pressure on the rest of the forest.

In the region, there is already some experience of creation of forest plantation. Nowadays in Volyn region, we can observe the increasing of areas covered by poplar. However, special attention should be given to the experimental and experiential-crop production and testing of various methods of cultivation.

Furthermore, the way that will optimize forest plantation production in the region may be testing different cultivars of poplar, creation technology, types of fertilizers, spots placing, seals, etc., which are differ from current practice.