

Annotation

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Silvicultural and taxation characteristics of forest stands Robinia pseudoacacia L. in conditions of the northern steppe forest vegetation zone of Ukraine

In the conditions of the northern steppe forest vegetation zone forest stands Robinia pseudoacacia L. occupy an area of 7095.1 hectares. The range of types of forest conditions B1-D3: this species operates in eight edatopes. Age structure and distribution of growing stock of Robinia cannot be assessed as optimal: underwood occupies the lowest part of the area (3.0%), overripe forest stands make up the largest part of the area – 75.0%.

Trend of changes in the rate of wood stock and its dependence on age is described by a logarithmic equation $M = 101.67 \ln(a) - 70.697$. The bulk of the area is occupied by plantings of 1st quality class. A third of forest stands of Robinia pseudoacacia L. having indicators of 1st quality class are formed mainly under halogen variant of dry sudubrava.

Key words: *northern steppe, forest vegetation zone, types of forest growing conditions, modal forest stands, Robinia pseudoacacia L., taxation structure, timber stock, age structure.*