

Birch Wood Productivity in the Predkam'ye Conditions of the Tatarstan Republic

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Research findings featuring birch wood productivity in the Predkam'ye conditions of the Tatarstan Republic. Assessment of birch wood inventory indicators with regard to Tatarstan forest growing conditions and age. The highest birch productivity was found in fresh ramens conditions.

The article assesses the productivity of birch stands in Predkam'ye of the Republic of Tatarstan. It is established that the stock of birch forests in the studied region is 12.68 million cubic meters wood. The main share of the stock is concentrated in the conditions of fresh suramen and ramen. The share of the growing area of birch forests is 18.8% of the total forest area of the Predkam'ye of the Republic of Tatarstan.

The age structure of birch plantations is uneven. The largest area is occupied by birch forests aged 20-60 years. The average age of birch stands is 50.5 years.

The highest class of bonitet is characterized by birch stands growing in conditions of fresh surameni, the smallest – in raw ramen.

Under the conditions of D2, birch stands have the largest average annual increment in stock, growing in the age range of 21-40 years (3.9 m³/ha). The main share of the area of birch stands growing in the studied region belongs to medium-density plantations.

Birch in the conditions of the Predkam'ye region of the Republic of Tatarstan is expedient and promising to grow as birch is easily renewed and forms a high-stands.