Annotation

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Indicators of phytomass components of wood greens Pinus sylvestris L. in conditions of steppe Dnipro region of Ukraine

Indicators of biomass components of wood greens Pinus sylvestris L. in Dnipro region are studied. It is found that variability in the proportion of wood greens in pine biomass was 49.1-75.4%. The lowest indicators of this parameter were marked for trees aged 38, 49 and 84 years, maximum – for 30-31-year trees.

Ratio of conifer needles of wood greens depending on indicators of age, diameter and height has a clear tendency to decrease. Conversely, indicators of absolutely dry matter content in needles have a tendency to increase relatively to the mentioned parameters.

Analysis of absolutely dry matter content showed considerable variability from 0.426 to 0.620 thus specimens of model trees that are fixed at the level of 0.500g are presented in the greatest number.

In general, the trend line shows an overall increase relatively to dry matter with higher rates of taxation parameters. Dependences of changing parameters of wood greens on age, height and diameter of studied specimens show the equation with coefficients of determination from 0.08-0.16 for a fraction of wood greens and 0.16-0.21 for their absolutely dry matter.

Key words*: phytomass of wood greens, Pinus sylvestris, steppe Dnipro region of Ukraine.*