

## FORECAST OF PINE STAND BLACK TOP

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### Abstract

In clause questions of dynamics of a dead wood of pine planting since 42 years for 71 year are considered. Interest of a dead wood on quantity of trees varies in dynamics with 3,3 up to 77,7 %. The dead wood with age from minimal diameters passes average in a step. On the basis of size of a mistake it is proved, that the quantity of models of trees of a dead wood should be more, than for growing trees. In sizes of the average sizes of growing trees and a dead wood distinctions that with age smooth out are observed. Use of the plural linear equation has not brought effective result at the forecast of a dead wood. The dot method therefore was applied. As boundary value used the top border of average parameter of general set at probability 0,954 -  $X \pm 2 \cdot m_x$ . Thus were authentically classified as growing 54-81 % of trees, and as a dead wood of 60-77 %. Erroneous identification of plants as growing, has made 19-53 %, and for trees of a dead wood of 23-39 %.

### References

1. ОСТ 56-69-83. Площади пробы лесоустроительные. Методы закладки.- М.: Стандартиздат, 1984.-28 с.
2. Лесной кодекс Российской Федерации.- 3-е изд.- М.: Ось-89, 2003.- 64с.
3. Кузьмичёв В.В. Эколого-ценотические закономерности роста одновозрастных сосновых древостоев // Диссертация на соискание учёной степени доктора биологических наук.- Красноярск.: ИЛИД им.В.Н.Сукачёва, 1980.- 295 с.
4. Усольцев В.В. Формирование банков данных о фитомассе лесов.- Екатеринбург.: УРОРА, 1998.- 540с.