

# Modern Condition of Nursery Forest Soils of the Leningrad Region

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*The article presents a comprehensive analysis of the current state of the soil fields in seven existing district forest areas of the Leningrad region: Lodeynopolskoye, Syas'Stroevskoye, Prigorodnoye, Luzhskoye, Svirskoye, Gonginskoye and Krivkovskoe. All surveyed nurseries were organized with the aim of growing planting material and specializing in the cultivation of pine and spruce seedlings. In the course of the study, soil samples were taken from the entire production area of the nurseries under study.*

*The main aim of the study was to investigate and analyze the agrochemical properties of nurseries soils. To achieve this goal, the following tasks were solved. The granulometric composition of the soils was studied, and such agrochemical parameters as the total nitrogen content, hydrolytic acidity of the soils, the proportion of organic matter, the amount of absorbed bases, pH of the salt extract, as well as the determination of mobile compounds of phosphorus and potassium were also evaluated. In addition, soil contamination of the fields with phytoflora and pests was checked. All of the above analyzes were carried out according to generally accepted methods in the accredited laboratory of the soil chemical department of the branch of «Roslesozashita» – «Center of Forest Protection of Leningrad Region».*

*The conducted studies allowed to give a comparative assessment of the soil of the nursery fields according to the main agrochemical parameters, to characterize the degree of soil contamination by the plant with phytoflora and pest infestations, to give a detailed description of the state of the fields of each nursery studied.*