

Group 2

Humus Horizon

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Podzolic soils are common in the northern coniferous forest (boreal) zone because of the cold, humid climate, acidic litter from coniferous trees, and intense leaching caused by the high rainfall. These conditions together create the classic podzolic soil profile: a bleached, nutrient-poor upper horizon and a lower horizon rich in organic matter, iron, and aluminum compounds.

We got podzolic from the Alajärvi Pyhävuori (holy mountains). In school we tested podzolic acid level, nitrate level, phosphorus level and potassium level.

The results tell us that

pH is 6,0 Acid

Nitrates results don't match the chart

phosphorus is medium to low

Potassium is medium

Results tell that:

pH is good for the plants

Nitrate didn't tell us anything because it didn't match the chart.

There is not enough phosphorus

Potassium says that there is enough of it.

Sources are ChatGPT and Markus Mäenpää.