

Evolution of soils as affected by the old field white pine--mixed hardwood succession in central New England

Harvard Forest - Review of Measurement Techniques in Site Productivity Studies



Description: -

Hardwoods

White pine

Forests and forestry -- New England

Soils -- New England

Soils -- Analysis evolution of soils as affected by the old field white pine--mixed hardwood succession in central New England

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Variation in diazotrophic community structure in forest soils reflects land use history

Carbon storage and accumulation in United States forest ecosystems.

Soil community changes during secondary succession to naturalized grasslands

Selective and more complete logging in old-growth forests at the Alan Seeger Natural Area in central Pennsylvania in the early 1800s greatly increased even-age cohorts of oak, birch, white pine, red maple, and hemlock.

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Most of the white pine recruitment occurred in two pulses 1830—1850 and 1875—1885 , both of which were associated with peaks in radial growth of the white pine tree-ring chronology. In particular, he used novel chemical instrumentation in lab experiments to determine that atmospheric nitrogen, not just soil N, was an important part of the nitrogen cycling story Boussingault Fig. Allelopathic compounds in the litter of native plants, however, can also inhibit the growth of alien plants.

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Invasion can further interact with other drivers of global change such as deposition, as discussed above.

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All these responses are species specific and lead to varying capacities of adaptation to deposition in the different species.

Eastern White Pine Versatility in the Presettlement Forest

Wind throw and tree replacement in a climax beech-maple forest. On the definition of ecological species groups in tropical rain forests. Mol Biol Cell, 21 7 , 1214-24.

Variation in diazotrophic community structure in forest soils reflects land use history

The physiological traits linked to alien success have also been widely studied, and some underlie the changes in nutrient stoichiometries of the plant community and soil ; ; ; ; . Acta 56 3225—3231 Occurrence Handle10. Fatty acid methyl ester profiles of bat wing surface lipids.

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