GENERAL INFORMATION

author(s)	Verhegghen J-F
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MATERIALS & METHODS

study area	??
time period	June 1977-October 1978
goal	Investigation of the establishment of ash and the factors influencing the stem density and natural selection.
set-up	6 sample plots in stands with ash and sycamore: 30 permanent quadrats of 1 m^2
data collection	number of stems counted at regular time intervals
remarks	

RESULTS

The establishment of natural regeneration is affected by two factors: the regeneration potential of the tree species and the environmental conditions. The micro-scale variations in growing conditions result in a large variation in stem density at short distances. The growing conditions determine the amount of decrease in stem density, the initial stem density, and the seedling mortality. Mortality seems to be higher for a low initial stem density. The environmental conditions are more important than the interspecific competition during the first years.

In mixed regenerations of ash and sycamore, the changes in stem density are directed by the presence of sycamore. Ash may even disappear from the mixture, mainly for high initial stem densities of ash.