GENERAL INFORMATION

author(s)	Van Miegroet M, Lust N
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English title	Composition, growth and reaction capacity of suppressed ash seedlings
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supervisor	Van Miegroet M
institution	Ghent University, Laboratory of Forestry
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MATERIALS & METHODS

study area	3b
time period	1969–1970
goal	Are suppressed ash seedlings able to regain growth in favourable conditions?
set-up	Aelmoeseneie forest (light) vs. Virelles (shade) - Virelles seedlings (h 40–50 cm, age > 20 yr) vs. nursery seedlings (age = 2 yr) - autumn planting, autumn planting + removal aboveground biomass in spring, autumn planting + removal aboveground biomass in autumn - 6 repetitions
data collection	- Resprouting capacity - Yearly height growth (1969, 1970) - Light transmission, chlorophyll content, respiration, photosynthesis
remarks	

RESULTS

- Gontrode: Virelles seedlings resprouted better (61 %) than nursery seedlings (41 %).
- Virelles: little height growth, transplanting did not affect height growth of Virelles seedlings, height growth of transplanted nursery seedlings was higher than for Virelles seedlings, the low light availability slowed down the growth of the nursery seedlings in the second year.
- Gontrode: growth was much higher in 1970 than in 1969 (transplant crisis), growth is higher for the nursery plants (mainly in 1969), Virelles seedlings show a strong and positive growth reaction on cutting.
- Light transmission similar for Virelles and nursery seedlings, chlorophyll content higher in Virelles (shade), respiration and photosynthesis less intense for the Virelles seedlings, physiological activity more intense in Gontrode.
- Suppressed ash seedlings are able to regain growth.