

GENERAL INFORMATION

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MATERIALS & METHODS

study area	2h
time period	winter 1986–1987
goal	determination of growth and production for different poplar clones
set-up	poplar plantations with different poplar clones ('populeta'): Gaver, Gibecq, Primo, Ghoy, Gaver, Ogy, Isières (Unal clones), Robusta, I 214 7 poplar plantations: Grimminge (1969), Hainin (1969), Lommel (1969), Overboelare (1971), Gontrode (1971), Lemberge (1971), Overboelare (1972)
data collection	circumference for all trees 2 model trees per clone with mean basal area: volume + height growth soil characterisation in each plantation
remarks	clones in Gontrode: Primo, Ghoy, Gaver, Gibecq, Ogy, Isières (Unal clones) and I 214, Robusta green (older commercial clones) 2-year old plants planted in 1971 1.5 kg of N, P, Mg, K fertilizer per planted tree

RESULTS (GONTRODE)

Soil

Sandy loam: uLep and Efp.

Through the stand runs a strip of ashes, cinder, and stony debris (might be a road constructed by the Germans during WWI).

Poplar: 18-year old

Clone 'Ghoy' largest circumference and basal area (ca. 155 cm circumference); clones 'Gaver', 'Robusta green', and 'Gibecq' also show a similar performance in Gontrode, Overboelare, and Lemberge. 'Primo', 'Oghy', 'Isières', and 'I 214' show better growth on better soil conditions. The Unal clones show an overall better growth than the other two.

'Primo', 'Ghoy', and 'Ogy' are most resistant towards leaf diseases and grew into a dominant position, which ensured their larger increment in circumference, volume, and height. Data from populeta cannot be used to construct yield tables for poplar clones.