

GENERAL INFORMATION

author(s)	Van Miegroet M
year	1970
English title	On the photoreactivity of some hardwood species studied by their leaf characteristics
original title	
reference	Sylva Gandavensis 23
pages	1–27
type	article (a3)
ecosystem service	supporting - photosynthesis/forest dynamics
keywords	morphology - physiology
taxa	<i>Quercus robur</i>
project	Msc thesis Flamée
supervisor	Van Miegroet M
institution	Ghent University, Laboratory of Forestry
document	hardcopy, pdf
data	

MATERIALS & METHODS

study area	
time period	
goal	Study the impact of light intensity on leaves of pedunculate oak.
set-up	oak trees in 3 light conditions (free, free top shoot, overtopped) different parts of the tree crown: top, middle, bottom crown layer
data collection	morphology: length, thickness, fresh and dry mass chlorophyll content
remarks	M Flamée (Msc thesis) also results of other theses?

RESULTS

Leaves get thinner from the free-standing tree to the overtopped tree and from the top crown to the bottom crown (except for the overtopped tree). Chlorophyll content per leaf area is higher in high light conditions.