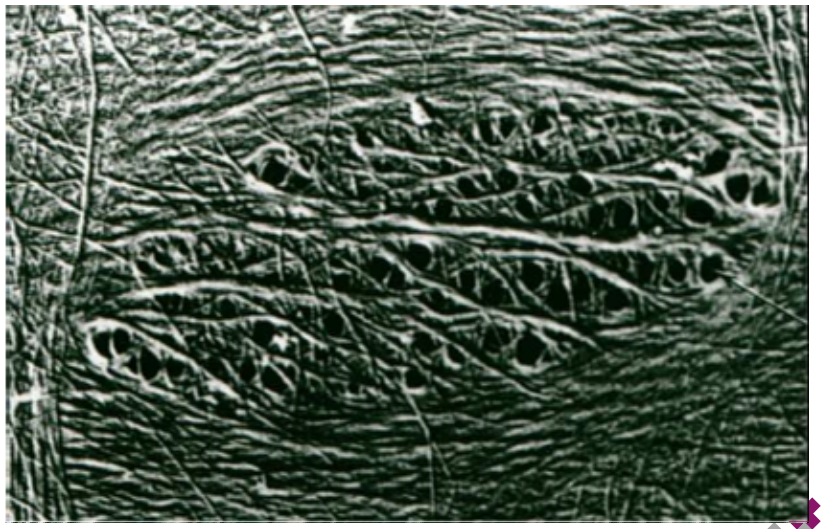
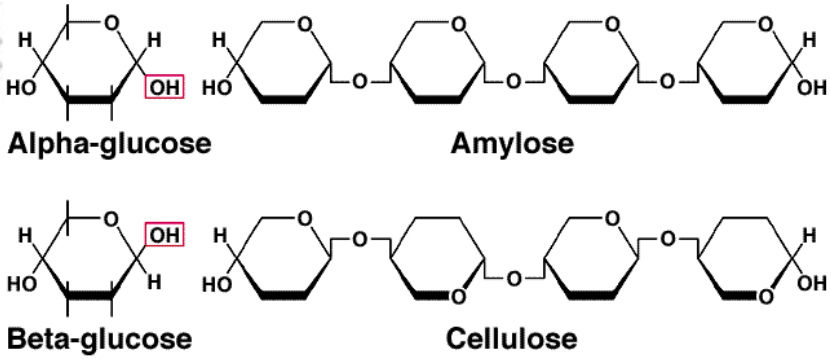
UNIVERSITY OF AMSTERDAM

Communicatie in planten

Peter van Tienderen

Alexandra Duvekot





JMOL applet

Sterkte en rekbaarheid

	collenchym	sklerenchym	smeedijzer	staaldraad	aramide
maximale trekkracht per mm^2 binnen de elasticiteitsgrens	1,5 - 2 kg	18 - 20 kg	18,5 kg	25 kg	28 kg
elastische rekbaar-heid bij bovenge-noemde belasting	klein	1 - 15%	0,07%	0,12%	3,5%
maximale belasting per mm^2 alvorens breuk optreedt	10 - 12 kg	iets > 8 - 20 kg	34 kg	36 kg	28 kg

Lignine

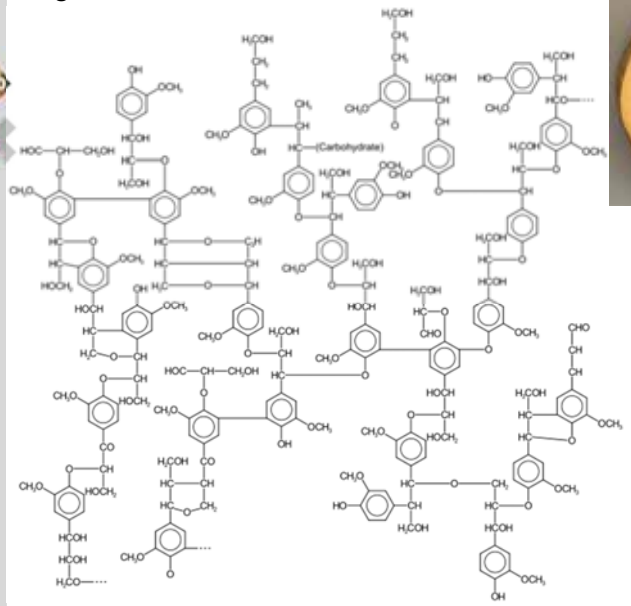
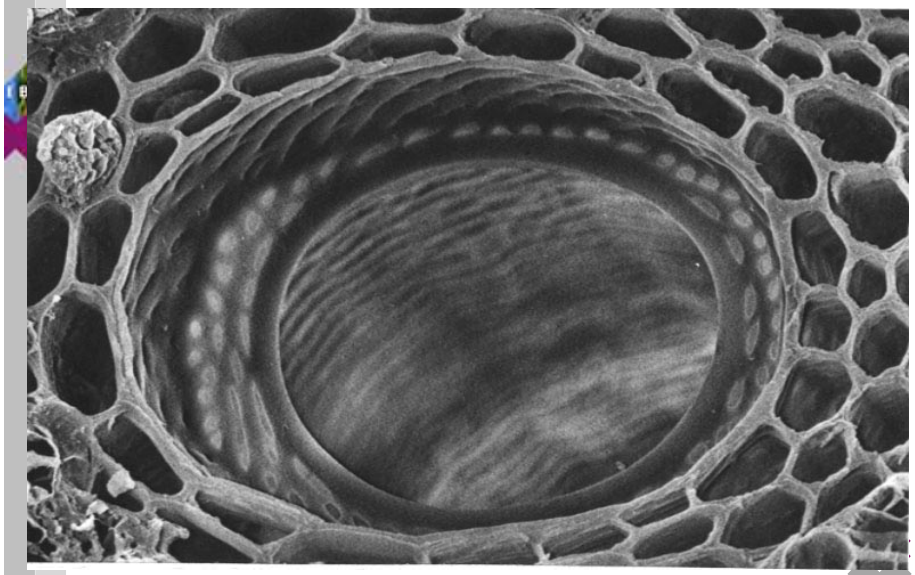


Photo 34.27 Mature vessel elements in *Zea mays*. SEM.



Perforatie plaat houtvat

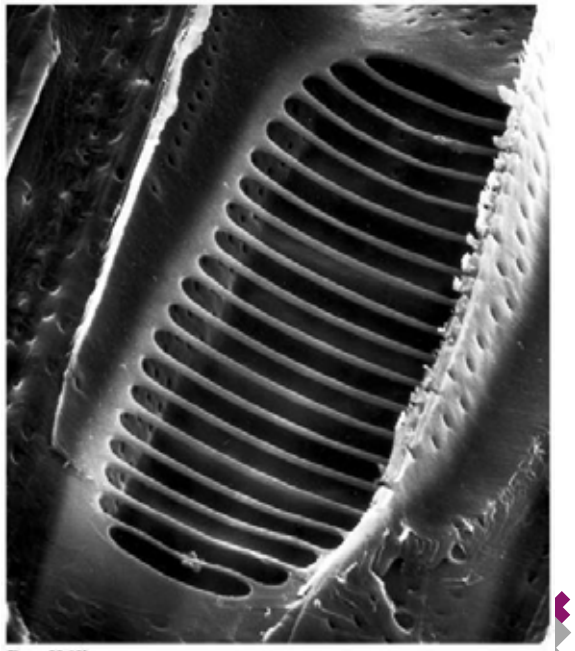


Figure 23-13b
Biology of Plants, Seventh Edition
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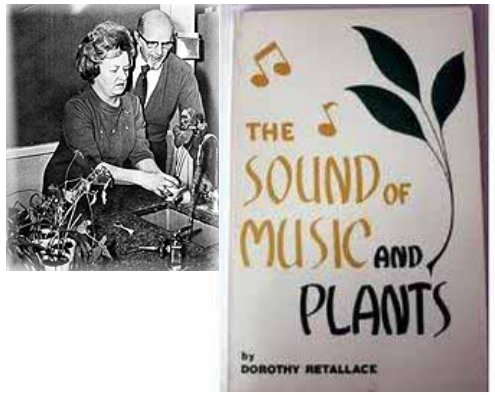
Communicatie: geluid

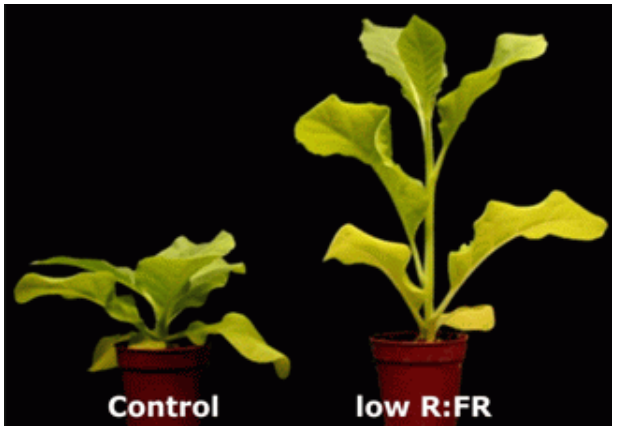


Communicatie: gevoel

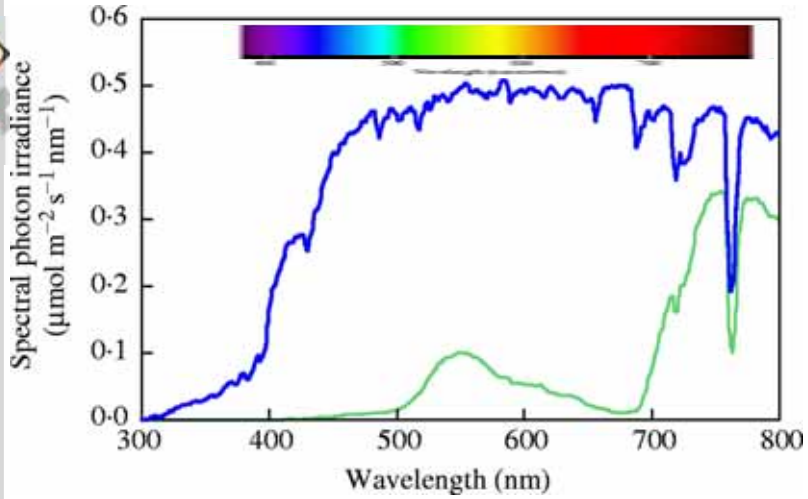
Photo by Dereth Phillips, Rice University

Janet Braam
"Thigmomorfogenese"

Communicatie: Licht



The spectral photon distributions of daylight (blue line) and light reflected from leaves of Fallopia japonica (green line).



FRANKLIN K A , and WHITELAM G C Ann Bot 2005;96:169-175

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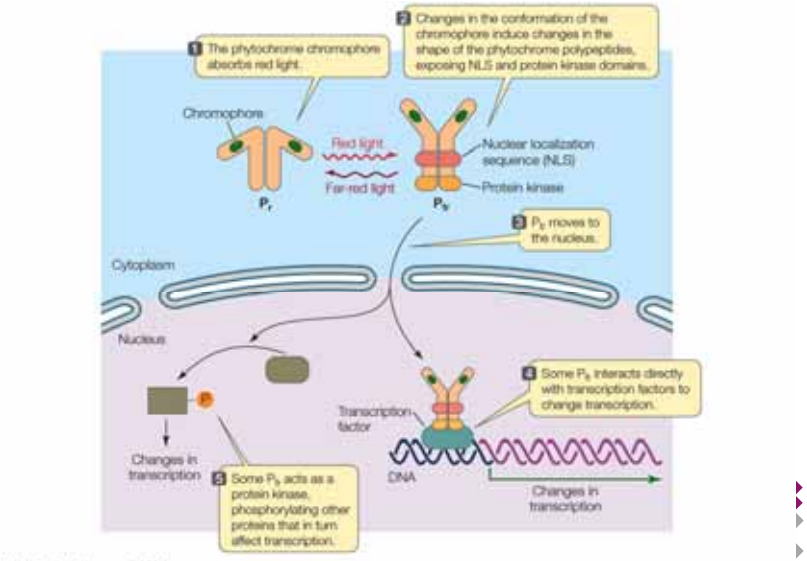
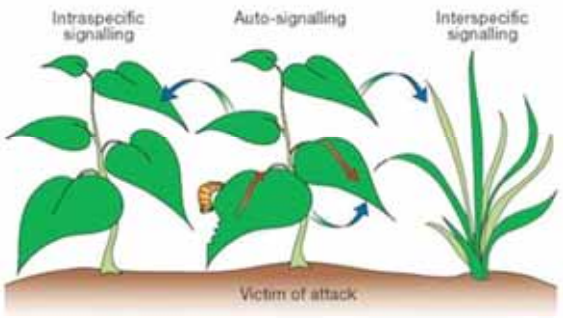
ANNALS OF BOTANY

Communicatie: Licht



LIFE 9e, Figure 37.21

Communicatie: Geur



Four modes of signaling from or within diseased or wounded plants are indicated: signaling to healthy congeners, signaling to members of other species, or auto-signaling either within (arrow in leaf) or outside the plant body. Good evidence exists for plant-to-plant airborne signaling in the laboratory, but field studies are limited. (*from ref. 3 below*)

Communicatie: Geur