OAK SOLUTIONS GROUP *university*

Workshop, *Maio de 2006*

Química dos alternativos de carvalho:
A mais recente tecnologia para fazer melhores vinhos

Dr. James Swan,

Investigador do Grupo *World Cooperage*

drjimswan@btconnect.com

VDS Enologia, Lda
PARQUE INDUSTRIAL DO LAMEIRÃO, LOTE 12 - 5130-301 SÃO JOÃO DA PESQUEIRA
Tel.: + 351 254 488 070 / +351 937 202 662
Fax: + 351 254 488 072
E-mail: diogotovar@vds.pt

OAK SOLUTIONS GROUP

Quercus robur

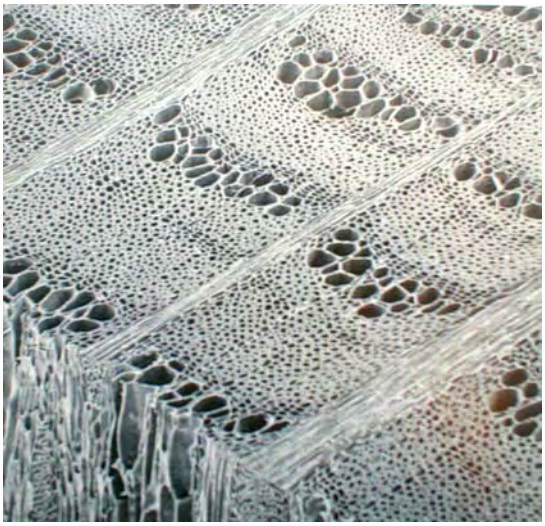
Quercus petraea

the 'sessile' oak
mainly for wine

Oak

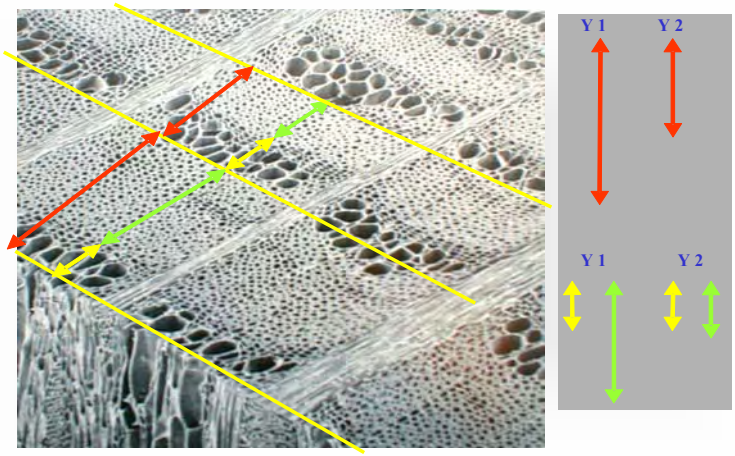
hardwood
broad-leaved
ring porous

OAK SOLUTIONS GROUP



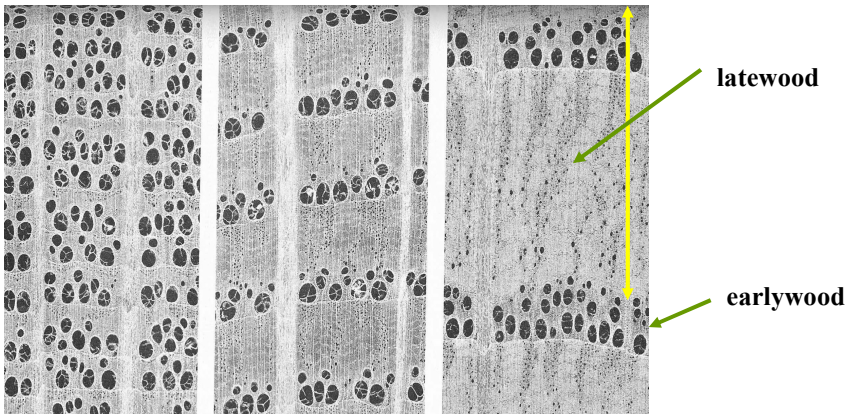
Let's take a closer look

OAK SOLUTIONS GROUP

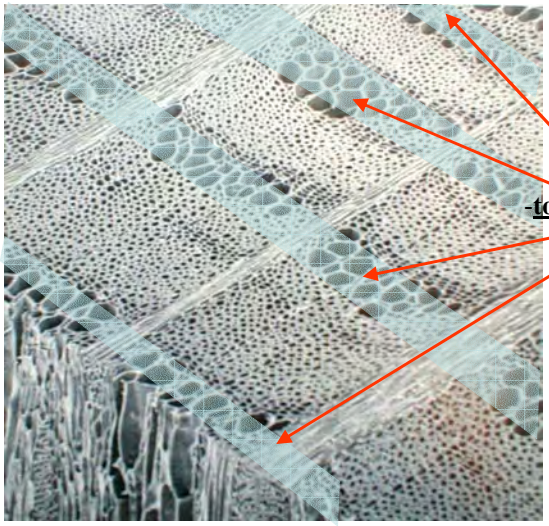


The annual rings – 2 (different) ones each year

OAK SOLUTIONS GROUP



OAK SOLUTIONS GROUP



the 'Earlywood' growth
-the major source of vanillin,
-toasty flavours, and some tannin