ICP Forests Expert Panel on Crown Condition Assessment Ad hoc Group Biotic Damage

Orléans 7-9 June 2004

List of symptoms



Geometrid moths on Oak



Lymantria dispar on Oak



Leaves Broadleaf Trees

mined



Rhynchaenus fagi on Beech

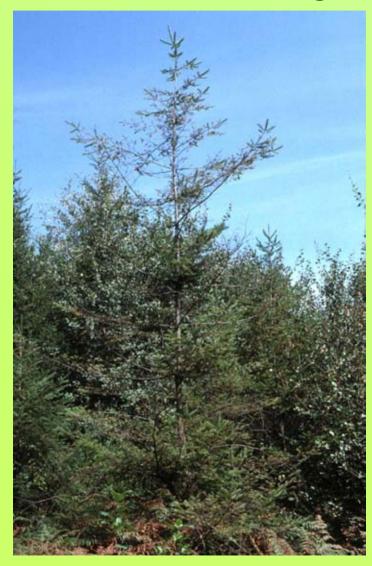


Coleophora laricella on Larch

skeletonised



Agelastica alni on Oak



Phaeocryptopus gaeumannii on Douglas Fir



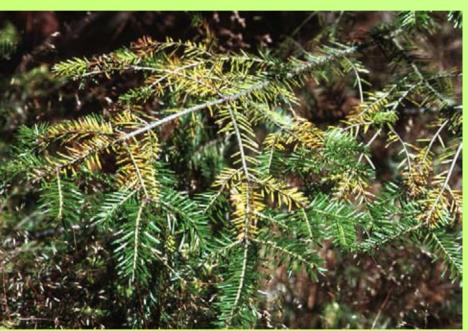
Missing needles on Silver Fir



Magnesium deficiency on Beech



Heat effect on Birch



Magnesium deficiency on Silver Fir



Magnesium deficiency on Spruce



Discula umbrinella on Beech





Frost damage on Reach





Sphareopsis sapinea on Pine







Beech Hornbeam
Ozone injury?

© Buissotti



Microsphaera alphitoides on Oak

eaves/Needles

Small



Small needles

Normal needles

Atlas Cedar

Premature falling



Heat effect on Oak in August 2003

curling

rolling



Heat effect on Beech in July 2003



Tortrix viridana on Oak

Galls



Mikiola fagi on Beech



Adelges laricis on Larch



Dreyfusia nordmannianae on Silver Fir

eaves/needles

Signs of insects



Aphids on Sorbus torminalis

Exuvia and aphids



Euproctis chrysorrhoea on Oak

Egg mass



Pulvinaria on Maple

coccoid shell

Euproctis chrysorrhoea on Oak



Neodiprion sertifer on Pine

larvae



Choristoneura murinana on Silver Fi

pupa

nest

Signs of fungi



Melampsora larici populina on Poplar



Melampsora caryophyllacearum on Silver Fir



Melampsora pinitorqua on Pine



Adelges laricis on Spruce

Young shoots/Twigs

Dieback



Silver Fir decline



Ophiostoma novo-ulmi on Elm



Verticilium dahliae on Maple



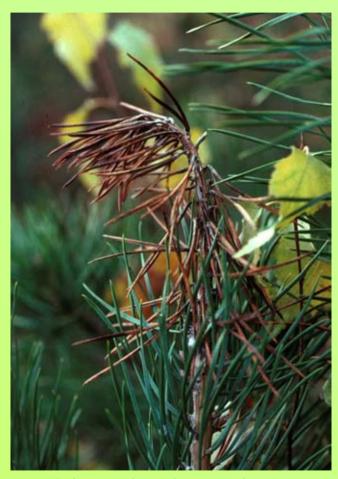
Frost damage on beech



Frost damage on beech



Frost damage on Silver fir



Sphaeropsis sapinea on Pine