

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

Orléans 7-9 June 2004

List of symptoms

Leaves

Partly or totally devoured/missing

Broadleaf Trees



Geometrid moths on Oak



Lymantria dispar on Oak



Quercus laevis (Bur)

Leaves mined



Rhynchaenus fagi on Beech

Broadleaf Trees

skeletonised



Agelastica alni on Oak



Coleophora laricella on Larch

Needles

Missing or incomplete needles

CONIFERS



Phaeocryptopus gaeumannii on Douglas Fir



Missing needles on Silver Fir

Leaves

Yellow discolourations

Broadleaf Trees



Magnesium deficiency on Beech



Heat effect on Birch

Needles

Light green to yellow discolouration

CONIFERS



Magnesium deficiency on Silver Fir



Magnesium deficiency on Spruce



Discula umbrinella on Beech



Discula umbrinella on Oak



© Samtonge-DSF



Frost damage on Beech



Rhizospheara on Silver fir



Sphareopsis sapinea on Pine



© Samtonge-DSF



© D. Adam



Beech



Hornbeam

Ozone injury?



© D.Adam

Microsphaera alphitoides on Oak



Leaves/Needles

Small



Small needles

Normal needles

Atlas Cedar

Premature falling



Heat effect on Oak in August 2003

Leaves

Deformations

Broadleaf Trees

curling



Heat effect on Beech in July 2003

rolling



Tortrix viridana on Oak

Galls



Mikiola fagi on Beech



Adelges laricis on Larch



Dreyfusia nordmannianae on Silver Fir



Aphids on *Sorbus torminalis*

Exuvia and aphids



Pulvinaria on Maple

coccoid shell



Neodiprion sertifer on Pine

larvae



Euproctis chrysorrhoea on Oak

Egg mass



Euproctis chrysorrhoea on Oak

nest



Choristoneura murinana on Silver Fir

pupa

leaves/needles

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



Oak decline



© G.Landmann

Silver Fir decline

Young shoots/twigs

Wilting

Broadleaf Tree



Ophiostoma novo-ulmi on Elm



Verticillium dahliae on Maple

Young shoots

Necrosis

Broadleaf Trees



Frost damage on beech



Frost damage on beech



Frost damage on Silver fir



Sphaeropsis sapinea on Pine