

## Level 2 Certificate in Arboriculture

### PESTS, DISEASES AND DISORDERS OF AMENITY TREES

Listed below are problems which affect trees. The term 'pest' refers to animal or insect related problems. 'Disease' encompasses those that are caused by fungi, bacteria or virus. 'Disorder' refers to non-biological problems.

This list is offered as guidance to centres delivering the Level 2 Certificate in Arboriculture. Whilst the assessment criteria do not require an understanding of all of them it would be considered good practice. The list is not exhaustive and learners are encouraged to familiarise themselves with a broad range of pests and diseases, particularly those of significance in their local area.

<b>PESTS (animals/insects)</b>	
1. <i>Cameraria ohridella</i>	Horse Chestnut Leaf Minor
2. <i>Pulvinaria regalis</i>	Horse Chestnut Scale
3. <i>Thaumetopoea processionea</i>	Oak Processionary Moth
4. <i>Anoplophora glabripennis</i>	Asian Longhorn Beetle
5. <i>Euproctis chrySORrhea</i>	Brown Tail Moth
6. <i>Tortix viridana</i>	Oak Leaf Roller Moth
7. Local abundant species	Galls
8. <i>Eucallipterus tilliae</i>	Lime Aphid
9. Grey Squirrels	
10. Rabbits and Hares	
11. Deer	
12. Voles	

<b>DISEASES</b>	
13. <i>Apiognomonina veneta</i>	AnthracoSose of London Plane
14. Unnamed bacterium	Acute Oak Decline
15. <i>Armillaria species</i>	Honey Fungus
16. <i>Chalara fraxinea</i>	Chalara Dieback of Ash
17. <i>Collybia fusipes</i>	Spindle Shank
18. <i>Cryphonectria parasitica</i>	Chestnut Blight
19. <i>Fistulina hepatica</i>	Beefsteak Fungus
20. <i>Ganoderma australe</i> (syn. <i>G. adspersum</i> )	
21. <i>Ganoderma applanatum</i>	Artists Fungus
22. <i>Guignardia aesculi</i>	Horse Chestnut Leaf Blotch
23. <i>Inonotus hispidus</i>	Ash Polypore
24. <i>Laetiporus sulphureus</i>	Sulphur Polypore
25. <i>Meripilus giganteus</i>	Giant Polypore

26. <i>Phytophthora spp.</i>	
27. <i>Piptoporus betulinus</i>	Birch Polypore
28. <i>Platypus cylindrus</i>	Oak Pin Hole Borer
29. <i>Polyporus squamosus</i>	Dryad's Saddle
30. <i>Pseudomonas syringae pv aesculi</i>	Bacterial Canker of Horse Chestnut
31. <i>Rhytisma acerinum</i>	Tar Spot of Sycamore
32. <i>Splanchnonema platani</i>	Massaria Disease
33. <i>Kretzschmaria deusta</i> (syn. <i>Ustulina deusta</i> )	
34. <i>Xanthomonas populi</i>	Bacterial Canker of Poplar

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## DISORDERS

35. Nutrient deficiency – nitrogen, potassium, phosphorus, iron and manganese
36. De-icing salt / sea salt spray
37. Extremes of pH
38. Compaction
39. Weather (e.g. drought, water logging, frost, scorch, snow and ice, wind, flooding)
40. Lightening
41. Mechanical damage (e.g. strimmers, mowers, brush cutters, trenching / excavations, cars, tractors, tree ties, tree guards, flying objects, incorrect grafting, etc.)
42. Pesticide damage