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 Guide to identifying deciduous broadleaved trees in winter (code 258)

Tree Name Trail fold-out chart (code OP51)

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More information about identifying trees  
 This guide looks at 22 of some of the most common trees in Britain. If you are unable to find a match, you may want to use a different guide.

The OPAL Tree Health Survey

# Tree Guide

## BOX 1. Conifers and broadleaved trees

Trees can be divided into two main groups: conifers and broadleaved trees. Conifers have leaves which are either scale-like or long and needle-like.

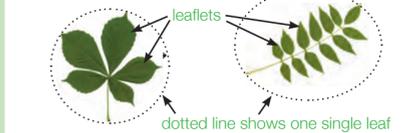


## BOX 2. Simple leaves and compound leaves

A simple leaf is a single leaf attached to a stalk.

A compound leaf is made up of several leaflets.

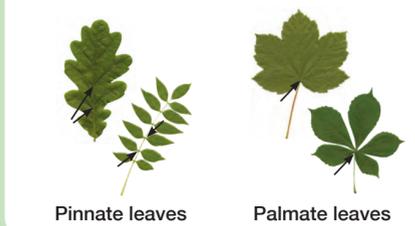
There is no bud at the base of individual leaflets, only at the base of the stalk of the whole leaf.



## BOX 3. Pinnate leaves and palmate leaves

In a pinnate leaf, the veins spread from several places along the leaf stalk.

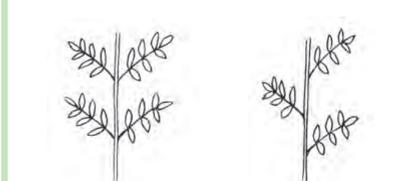
In a palmate leaf, the veins spread from a single point at the top of the leaf stalk.



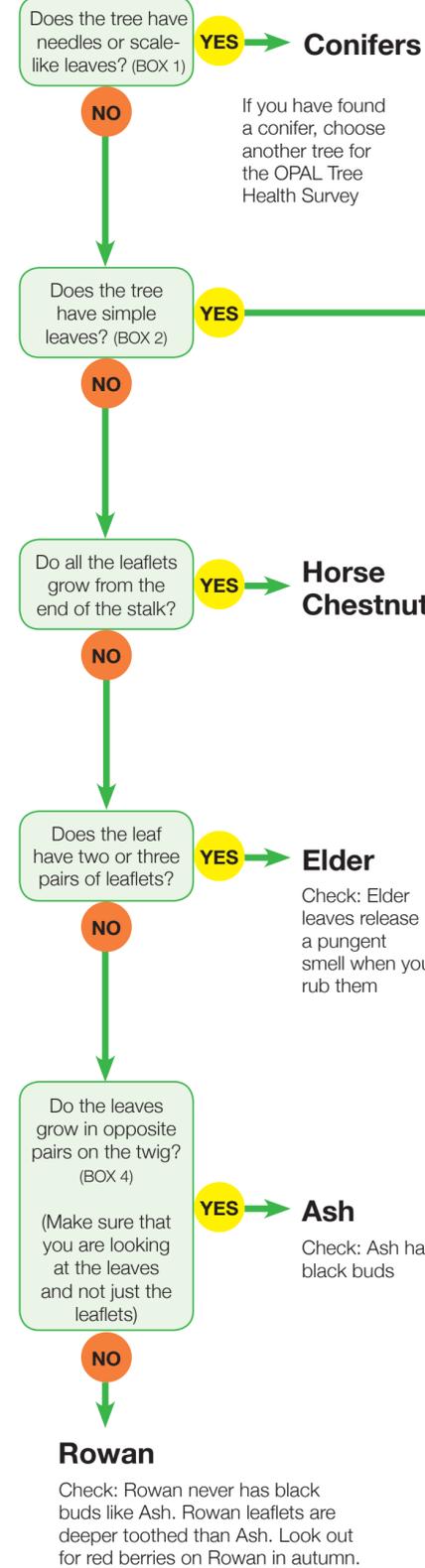
## BOX 4. Opposite pairs and alternate pairs

If the leaves are in opposite pairs, each pair of leaves grows from a single place on the stem.

If the leaves are in alternate pairs, each leaf grows from a different place on the stem.



## START HERE



### BOX 5. Lobed leaves and unlobed leaves

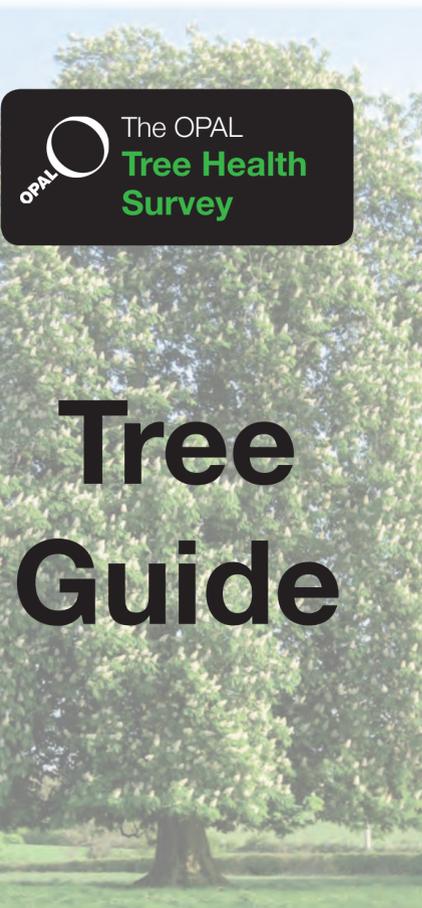
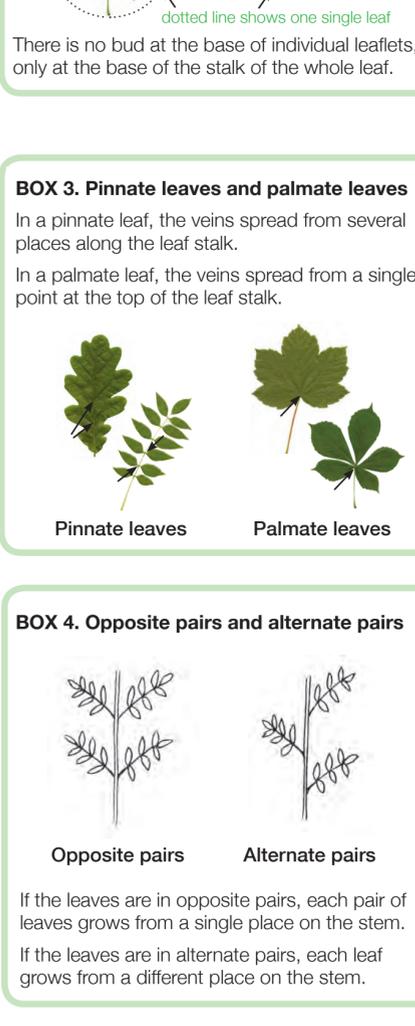
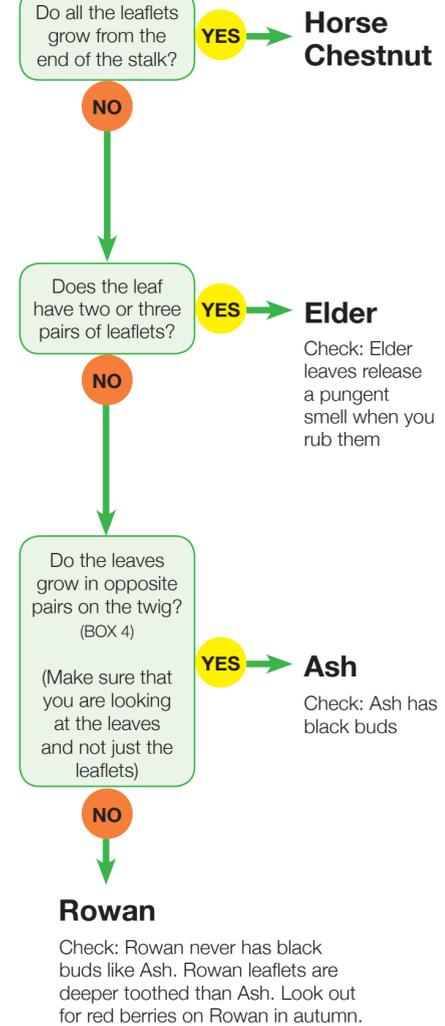
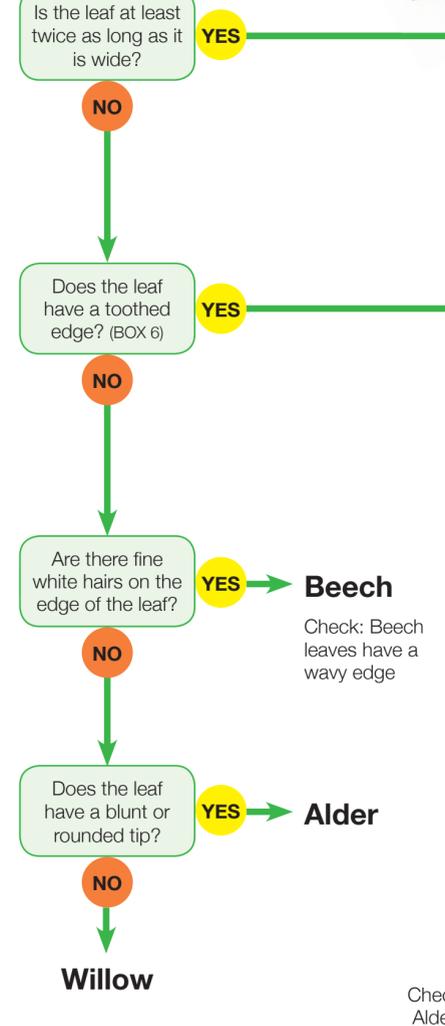
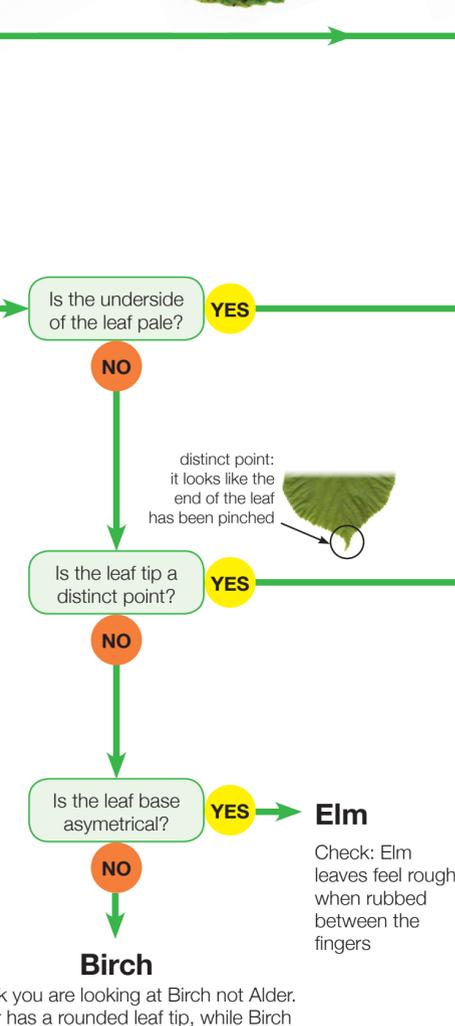
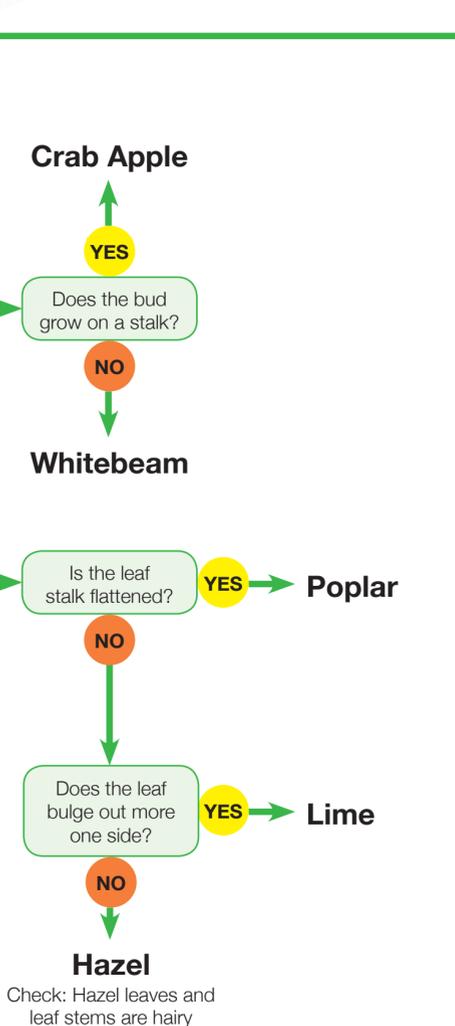
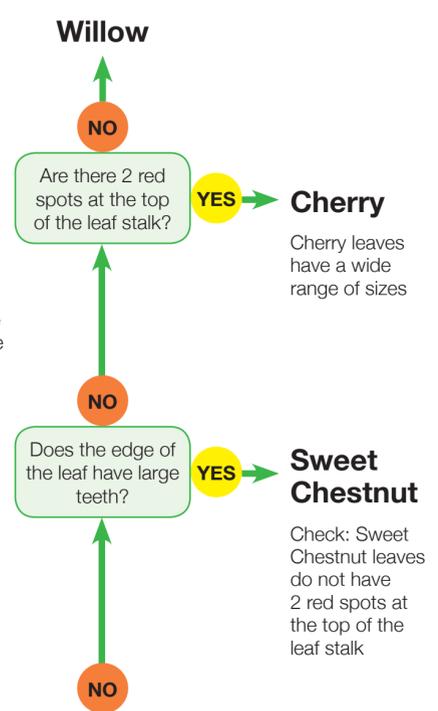
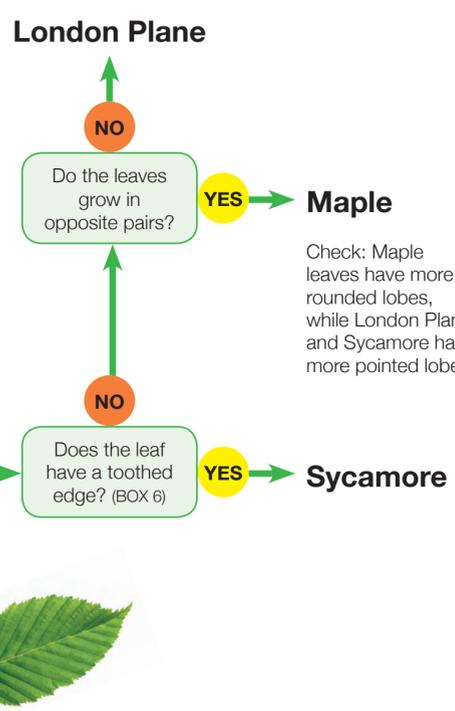
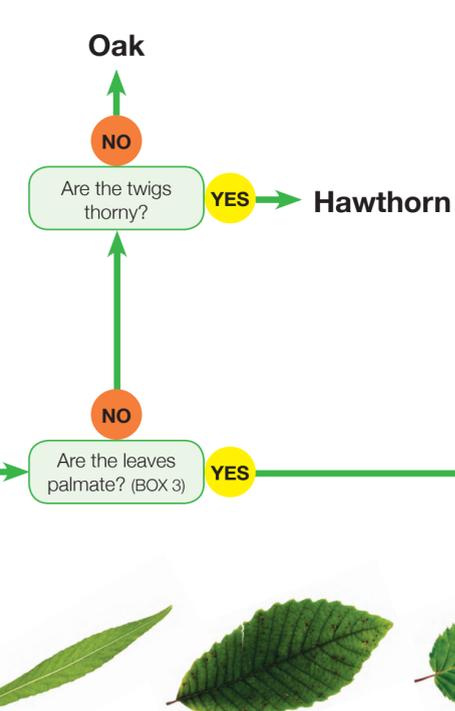
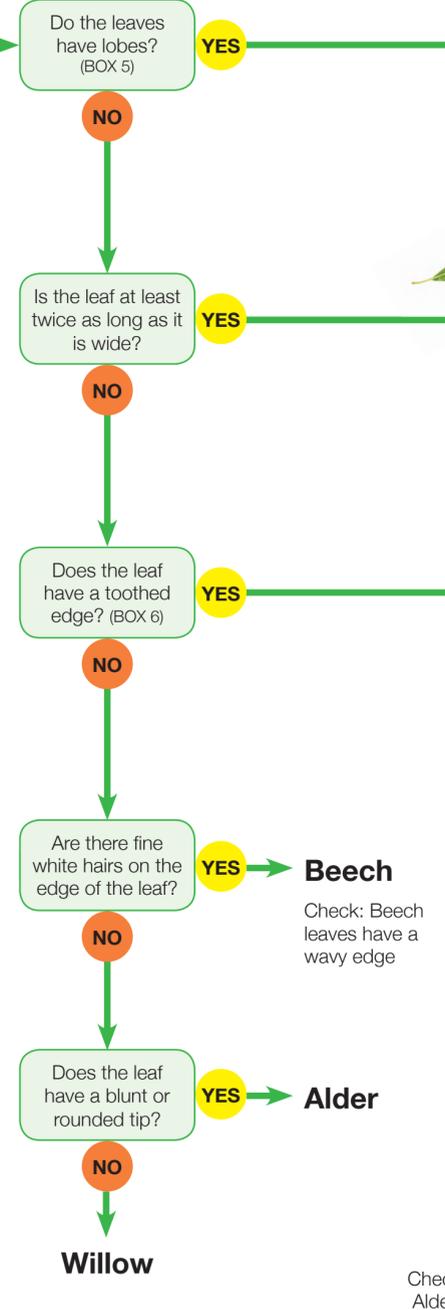
Lobes are large projections at the edge of the leaf.

Unlobed leaf      Lobed leaves

### BOX 6. Toothed leaf edges

Teeth are small projections at the edge of the leaf.

double-toothed leaf edge      toothed leaf edge





side veins join the main vein at different points

Look for acorns on the tree and on the ground under the tree.  
The leaves are simple and pinnate: side veins join the main vein at different points.

# Oak

*Quercus species*



The leaves are compound and pinnate: the veins join the leaf stalk at different points.  
Paired leaflets with untoothed edges on a green stalk.  
Large black buds on the twigs.  
Look for bunches of single-winged 'keys' on the tree from late summer.

# Ash

*Fraxinus excelsior*



veins fan out from the top of the leaf stalk

# Horse Chestnut

Fat, often sticky buds paired on twigs.  
Look for conkers in the summer and autumn.  
The leaves are compound and palmate: the veins fan out from a single point at the top of the leaf stalk.

*Aesculus hippocastanum*



The leaves are compound and pinnate: the veins join the leaf stalk at different points.  
Paired leaflets with toothed edges on a red stalk.  
Pale buds on the twigs.  
Look for red berries in the autumn.

# Rowan

*Sorbus aucuparia*



# Sweet Chestnut

*Castanea sativa*



# Elder

*Sambucus nigra*



# Whitebeam

*Sorbus aria*



# Birch

*Betula species*



# Sycamore

*Acer pseudoplatanus*



# Maple

*Acer species*



# Crab Apple

*Malus sylvestris*



# Elm

*Ulmus species*



# London Plane

*Platanus x acerifolia*



# Hawthorn

*Crataegus monogyna*



# Lime

*Tilia species*



# Willow

*Salix species*



# Hornbeam

*Carpinus betulus*



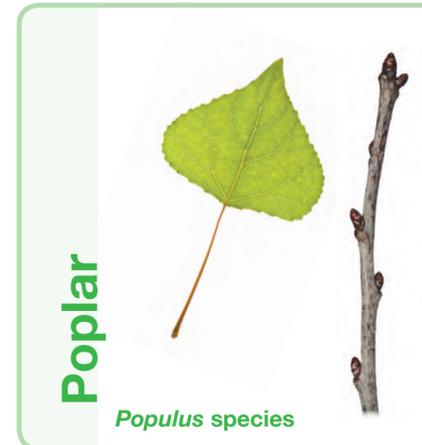
# Beech

*Fagus sylvatica*



# Cherry

*Prunus species*



# Poplar

*Populus species*



# Alder

*Alnus species*



# Hazel

*Corylus avellana*



# Conifers

Conifers can have needles (above) or scale-like leaves (below). If you have found a conifer, choose another tree for the Tree Health Survey.

