

Females shed lots of seed!



If males and females are present in an area, pollination is likely to occur and seed produced if:

- their flowering times overlap
- they are from the same subgenus

Male flowers

Female flowers



Golden Weeping Willow (*Salix x sepulcralis* var. *chrysocoma*)

Female flowers

Male flowers



What is strange about these pictures?

New Zealand hybrid willow (*Salix alba* x *S. matsudana*)

Salix fragilis – crack willow

Distinguishing feature - audible crack!



Salix alba var. *vitellina* – golden willow

Distinguishing feature - yellow stems



Salix matsudana 'Tortuosa' – tortured willow

Distinguishing feature - twisted branches,
short catkins



Salix matsudana x *alba* – NZ hybrid

Distinguishing feature - apical-shaped canopy
Can have male and female on one catkin



Salix babylonica – weeping willow

Distinguishing feature - long, slender, weeping branches, earliest flowering tree



Salix x sepulcralis var. *chrysocoma* – golden weeping willow

Distinguishing features

- both male and female on one catkin,
- weeping with yellow twigs $>1\text{m}$ from ends



Salix nigra – black willow

Distinguishing features

- deeply fissured bark,
- same colouring on both sides of leaf



Salix cinerea – grey sallow willow

Distinguishing feature - shrub, longitudinal ridges beneath bark

