



### ***Phytophthora ramorum* Symptoms in Japanese Larch**

- Wilt and dieback of fresh needle growth
- Dieback extending along branches from growing tip
- Dead needles retained on bud
- Resinous bleeds on branches and main stem which can be in the canopy of mature trees
- May show excessive side shoot growth combined with abnormally high cone production





### ***Phytophthora ramorum* Symptoms in *Rhododendron ponticum***

- Wilt and dieback of fresh growth
- Shoot dieback extending down from growing tip often giving a “crook” effect
- Dieback extending from the stem of leaf down the mid-rib and also on the leaf tip - i.e. wherever water collects
- Watery appearance to dieback. On the underside of the leaf infection tend to follow the cell structure and does not have a clearly defined edge

