

Bionomy and Symptoms of Dothistroma Needle Blight in the Czech Republic

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Abstract – The first symptoms on the needles infected in the current year appear in late summer (end of August, beginning of September) in the form of unspecific yellow spots on needles. Finally the needles get dry from tips and dead tissues are at first of straw – brown colour. In the course of September, at first dark brown and later narrow black strips are formed on dead parts of needles. Acervuli are formed from October and characteristic red strips appear. In acervuli, conidia can be formed till the end of November (depending on climatic conditions).

Under strong infection pressure, needles die already during the year of infection, namely rather early, from August till September. In the same year, acervuli can be formed even with accompanying symptoms as the occurrence of red strips.

Typical manifestations related to needle dying of the lower part of a crown and the abundant occurrence of red strips on dead tissues of needles were noticed in the CR primarily on Austrian pine *Pinus nigra*.

Dothistroma needle blight / symptoms

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