

Project Title : Determination of Diseases and Destructive Insects of Sweet Bay (*Laurus Nobilis* L.) in West Anatolian Region

Start /End Date : 2003-2007

Supporting Body : GDAR

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Summary : The species composition of the pathogenic fungi in *Laurus nobilis* and the sources for infection had been investigated for the first time at four sites in the Western Anatolia region of Turkey. Isolation was carried out from the leaves, current-year twigs and branches. Some species were isolated at all four sites but with variable frequency; the most consistent members of this group were *Phomopsis* sp. B, *Botryosphaeria sarmentorum*, *Phomopsis* sp. C and *Phoma* sp. Other less frequently recovered species were *Seimatosporium lichenicola*, *Colletotrichum gloeosporioides*, *Hendersonula* sp., *Phomopsis* sp. A, *Paraconiothyrium* sp. and *Colletotrichum dematium*. The isolation frequencies of the dominant species, as well as other less frequent species, were significantly dependent on the sampling site. The degree of pathogenic infection and the diversity of fungal species were significantly higher in the spring.