

TWO NEW HOSTS OF *PHYLLACTINIA MESPILI* (CAST.) BLUMER, FROM PAKISTAN

Abdus Sadiq and Jehandar Shah*

In October 1986, leaves of *Cydonia oblonga* Mill. and *Pyrus communis* Linn., the members of Rosaceae, showing superficial fungal fruiting bodies were collected by the authors from Jandool area, District Dir, N.W.F.P., Pakistan. The white fungal coating studded with mature black fruiting bodies was mainly present on the lower surface of the leaves, but a few patches were also observed on the upper surface of a very few leaves and fruit.

Literature on the subject shows that no species of *Phyllactinia*, causing powdery mildew, has so far been recorded on these hosts. However, Ahmad (1956 & 1978) reported this pathogen on the leaves of *Cotoneaster bacillaris* from Murree and *Prunus amygdalus* from Quetta.

The illustrations of the hosts infected by the pathogen are as under:

Host 1: *Cydonia oblonga* Mill. (syn: *C. vulgaris* Pers.) Quince (Behi) a native of Western Asia, cultivated in gardens for its delicious fruit. Fig. IA.

Host 2: *Pyrus communis* Linn. Pear (Nashpati) a native of Europe and Western Asia. Cultivated in gardens throughout the area for its fruit. Fig. IB.

Fungus: *Phyllactinia mespili* (Cast.) Blumer; Blumer 396 (1933). Fig. IC, D.

Mycelium well developed, hypophyllous. Perithecia globose, becoming depressed, 138—181 u in diameter. Appendages 8—17, stiff, shollen at the base, 1—2 times as long as the diameter of the fruitbody, asci 8—16, ascospores 23—37 x 14—22 u.

Habitate: leaves of *Cydonia oblonga* and *Pyrus communis*.

Locality: Mayar, Sammar Bagh, Kambut, Gumbeer, Sangi para.

Specimens examined

- No. 181, Mayar 2nd October 86, J. Shah
- No. 182, Samar Bagh 2nd October 86, J. Shah
- No. 183, Kambut 3rd October 86, J. Shah
- No. 184, Gumbeer 3rd October 86, J. Shah
- No. 185, Sangi para 3rd October 86, J. Shah

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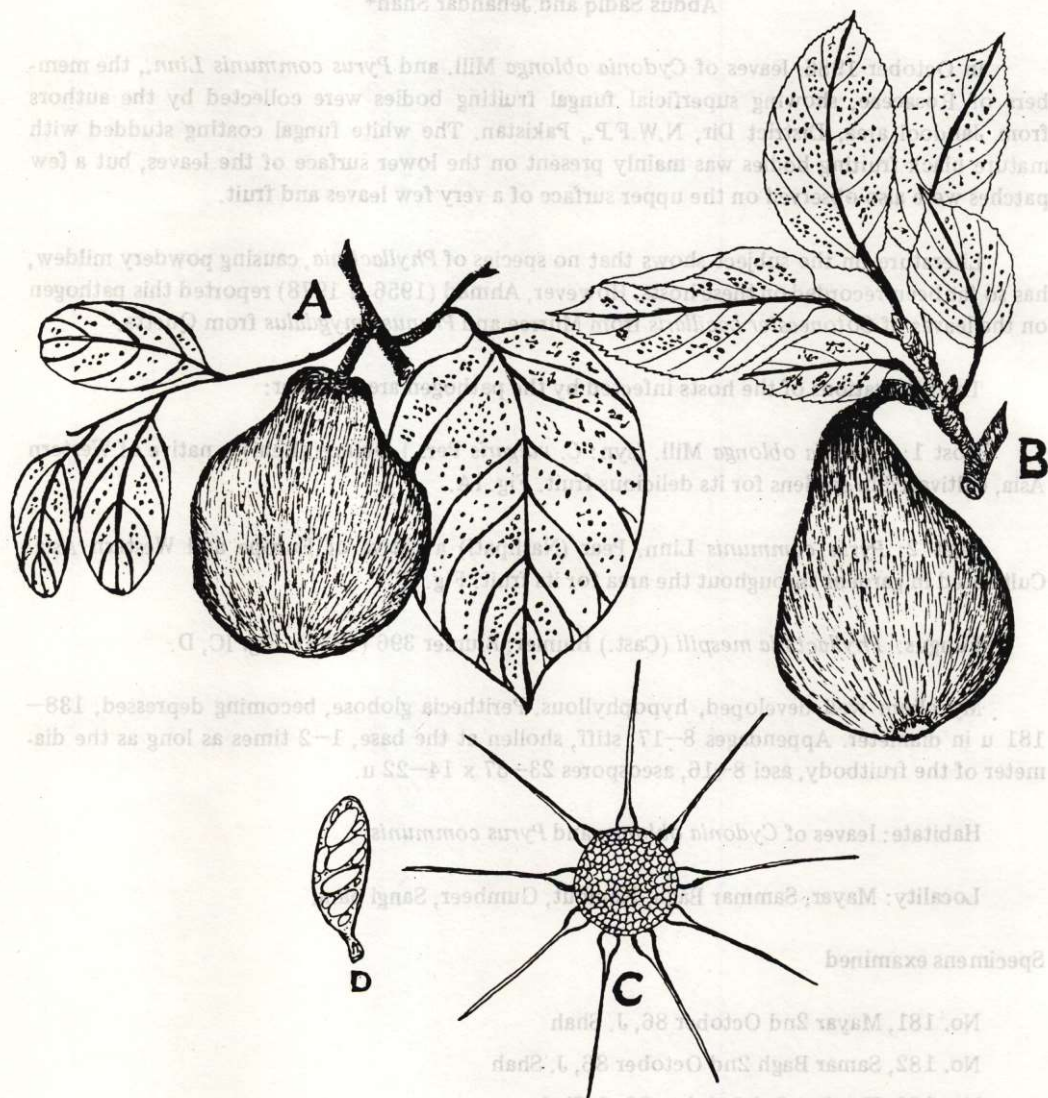


Fig 1

- A. Infected leaves of *Cydonia oblonga*
- B. Infected leaves of *Pyrus communis*
- C. Perithecium & D. Ascus of *Phyllactinia mespili*.

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All the specimens are deposited in the Herbarium of the Department of Botany, Islamia College, University of Peshawar.

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