

Abstract

A virus isolated from stunted broad-bean (*Vicia faba* L.) plants grown in the Jordan Valley showing severe mosaic and mottle symptoms in 1981 was identified as broad-bean wilt virus (BBWV) based on host range, general properties in crude sap, aphid transmission, and serology. The isolate was readily transmitted by *Aphis gossypii* and produced systemic symptoms on *Chenopodium quinoa* Willd., *Gomphrena globosa* L., *Lathyrus odoratus* L., *Pisum sativum* L., *Spinacia oleracea* L., and *Vigna unguiculata* Savi. In crude sap, the dilution end point was 10^{-3} , the thermal inactivation point was 60 C, and longevity at room temperature was 3–7 days. Serotyping in agar gel double diffusion tests showed that the virus is serologically identical to BBWV serotype 1. This is the first report of BBWV in Jordan and neighboring countries.