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PATHOGENECITY TEST BY USING DIFFERENT INOCULATION METHODS ON XANTHOMONAS CAMPESTRIS PV CAMPESTRIS CAUSED OF BLACK ROT OF CABBAGE

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ABSTRACT

Black rot is a major disease of cabbage (*Brassica oleracea* var. *capitata*), caused by *Xanthomonas campestris* pv. *campestris* (*Xcc*). Using six different inoculation techniques, such as (1) Spraying the inoculums by way of hand atomizer (2) Carborundum abrasion method (3) Multi-needle pricking method (4) Injection infiltration method (5) Hydathodes inoculation method and (6) Scissor clipping among these six techniques carborundum abrasion method gave quicker symptom expression as well as lesion progress on leaf, followed by the hydathode inoculation method, spray inoculation after multi-needle pricking and spray inoculation on uninjured surface respectively.

KEYWORDS: Pathogenecity Test, Inoculation Methods and Xanthomonas campestris pv. Campestris