AGRIS record

Record number	TH2003000685
Titles	**Diversity of Acidovorax avenae subsp. citrulli from cucurbit production areas in Northeast, Thailand**
Original title	ความหลากหลายของเชื้อ Acidovorax avenae subsp. citrulli ในเขตผลิตแตงของภาคตะวันออกเฉียงเหนือ
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English Abstract	Total 474 isolates of Acidovorax avenae subsp. citrulli (Aac), causal agent of bacterial fruit blotch disease, were isolated from infected leaves and fruits of watermelon, melon, white gourd and cucumber grown in Khon Kaen, Audornthani, Kalasin, Nakornratchasrima, Yasothorn provinces and infected cucurbit fruit from fresh markets, in Khon Kaen. Pathogenicity and disease severity on 15 days old watermelon, melon and cucumber seedlings were used to determination the diversity of selected 121 Aac isolates. The result showed that all 121 Aac isolates consisted of 119 pathogenic isolates and 2 nonpathogenic isolates. The statistic analysis of disease severity level on three kind of test plants indicated the occurrence of 10 severity groups. Aac isolates from watermelon were the most diversed in 9 severity groups followed by those isolated from melon which belong to 4 severity groups. Whereas Aac isolated from white gourd and cucumber could not determine their diversity in this moment.
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