

**CẢI DẠI *Rorippa indica* (L.) Hiern KÝ CHỦ THÍCH HỢP CHO SÂU TƠ
Plutella xylostella (Lepidoptera: Plutellidae) TỒN TẠI TRÊN ĐỒNG RUỘNG**

**Wild Crucifer *Rorippa indica* (L.) Hiern, an Alternative Host Plant for The
Diamondback Moth *Plutella xylostella* (Lepidoptera: Plutellidae) in The Field.**

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Abstract

From February to July 2015, field investigation on diamondback moth (DBM) *Plutella xylostella* was conducted in cabbage farming area in Dangxa, Gialam, Hanoi showing that *P. xylostella* shifted host from cabbage (*Brassica oleracea*) to wild crucifer after crop harvesting (from April to July). The wild crucifer *Rorippa indica* therefore was to serve as a host plant for the DBM for the time absent of cultivated cabbage on field. The life history of DBM reared on wild crucifer *R. indica* and a cabbage *B. oleracea* was evaluated in the laboratory. The results showed that on *R. indica*, the larvae and female adult *P. xylostella* were considerably smaller in size than the ones fed on crop cabbage but male's size. The DBM are able to finished the life cycle in 24.02 days (at 20.8°C, RH 89.8 %) with 1.41 days of pre-oviposition. The female and males had a similar longevity (7.73 and 7.23 days). The oviposition period lasted 6 days in which the oviposition rate was highest on the second day. The total number of eggs laid per female is 81.6.

Keywords: *Plutella xylostella*, wild crucifer, *Rorippa indica*, biology, morphometrics.