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Inventory Larval Ectoparasites of Tomato Leafminer in National High School of Agriculture, Algeria

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Abstract : Among the natural enemies that reduce populations of the tomato leaf miner studied in experimental plots of National High school of agriculture (ENSA, Algeria, 36° 40’ à 36° 43’ N.; 3° 08’ à 3° 12’ E.), larval ectoparasites. Three larval ectoparasites are reported in this study namely Necrinmus Sp. and two species of indeterminate Chalcidae (Chalcidae Sp. 1 and 2). These species have significantly reduced the effectives of Tuta absoluta. The results for the parasitism of eggs, larval instars and pupae of Tuta absoluta on the open field tomato in the experimental plots of ENSA show high levels of parasite eggs with 25%. With 94.7%, the first larval instar (L1) is the most parasites. The second instar (L2) undergoes the action of parasitoids least 60%. Instars L3 and L4 and pupae remain unharmed.

Keywords : tuta absoluta, larval ectoparasites, tomato, ensa, Algeria
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