DISPERSSAL BEHAVIOUR OF TRICHOGROMMA BRASSICAE (HYM.: TRICHOGROMMATIDAE)

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*Trichogramma brassicae* egg parasitoids are released in maize fields against the European Corn Borer in large numbers. This raised concerns because this polyphagous parasitoid might attack non-target hosts outside release fields. We therefore studied the dispersal behaviour at the edge of a maize field to investigate to what degree wasps will stay in the field and whether they might fly back into the field. We further investigated dispersal within a meadow, the most common type of habitat close to maize fields in Switzerland. Results will be reported on influence of several factors on dispersal behaviour as well as on behavioural details of males and females.

OPTIMAL PATCH LEAVING DECISION RULES FOR PARASITOIDS IN PATCHY ENVIRONMENTS. AN INDIVIDUAL BASED MODEL

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The fitness of a parasitoid that forages in a patchy environment depends, among other