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Authors: Anna Pollier, Lucille Guillomo, Yann Tricault, Manuel Plantegenest, Armin Bischoff



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Effects of spontaneous field margin vegetation on the regulation of herbivores in two winter crops

Anna Pollier ^{a,*}, Lucille Guillomo ^a, Yann Tricault ^a, Manuel Plantegenest ^b, Armin Bischoff ^c

^a UMR 1349 Institute of Genetics, Environment and Plant Protection (IGEPP), Agrocampus Ouest, 2 Rue André le Nôtre, 49045 Angers, France

^b UMR 1349 Institute of Genetics, Environment and Plant Protection (IGEPP), Agrocampus Ouest, 65 Rue de Saint-Brieuc, 35042 Rennes, France

^c University of Avignon, Mediterranean Institute of Biodiversity and Ecology (IMBE, Aix-Marseille University, CNRS, IRD, University of Avignon), IUT Agroparc, BP 61207, 84911 Avignon, France

*Anna Pollier. Tel.: +33 (0)6 26 55 65 83 ; fax : +33 (0)2 41 22 55 99.

E-mail adress: anna.pollier@gmail.com.

Abstract

Non-crop vegetation of field margins provides resources for natural enemies of crop herbivores. However, it is still not well known whether this resource provisioning effect is strong enough to improve herbivore regulation within crop fields and which plant species and functional groups favour this ecosystem service. A better understanding of the interactions between field margin vegetation and herbivore regulation is crucial to evaluate management strategies and to design suppressive plant mixtures. We surveyed 64 wheat and oilseed rape fields of Western

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