





Agriculture and Agri-Food Canada Agriculture et Agroalimentaire Canada

Otani, J.¹, Jorgensen, A.¹ ¹ Agriculture & Agri-Food Canada (AAFC), Beaverlodge, AB

Acknowledgements Technical support was provided by Kayleigh Loberg, Shelby Dufton, Holly Spence, Sara Stagg, Kaitlin Freeman, Jadin Chahade and Graham Fonseca. Producer Cooperators: Terry Chaibos, Lucien Houle, Norman Lavadiere, Danny Limoge, Marc Rochon. References : (1) J. Otani unpublished data . (2) Ellis & Bjørnson. 1996. Proc. Ent. Soc. Ont. 127:115-124. (3). Hammer. 1937. Jou. Pla. Bre. 42 (2):333-343 (4). https://www.contech-inc.com/(5) Photo courtesy of J-F. Landry.

Red clover casebearer (Coleophora deauratella) monitoring in the Peace River Region

Q: Does RCCB larval abundance and development differ on red compared to alsike flower heads?

Methods:

Mand collected flower heads from fields and ditches near Falher, AB (N=50 buds/species/site*; Table 1). mitored flowers for larval emergence (Fig. 4).





Table 1. Density of *Coleophora* sp. larvae in red and alsike flower heads (N=50) flowers/patch)*sampled from seed stands and adjacent volunteer clover plants on July 23, 2014.

Site	Crop	Location	Patch size(m ²)	Number of larvae per patch	Density (Number of larvae per flower)*
Site 2014- 049	Red	Field	50	40	0.8
	Alsike	Ditch	15	0	0
Site 2014-046	Red	Field	50	5	0.1
	Alsike	Ditch	5	0	0
Site 2014-047	Red	Ditch	10	278	5.56
	Alsike	Field	50	0	0
Site 2014-048	Red	Field	50	15	0.3
	Alsike	Ditch	10	0	0
Total	Red		160	338	0.8±0.14 ^a
	Alsike		80	0	0±0.00 ^a

^a Value represents mean ± standard error of mean.



its case (B), a larva extracted from its case (C), the dissected head capsule (D) and the rear prolegs adapted to grip its case (E). Photos: AAFC-Jorgensen.





