

Section V: Potato pests

CONTROLLING LYGUS IN POTATOES

D. Ira Thompson and S.I. Rondon

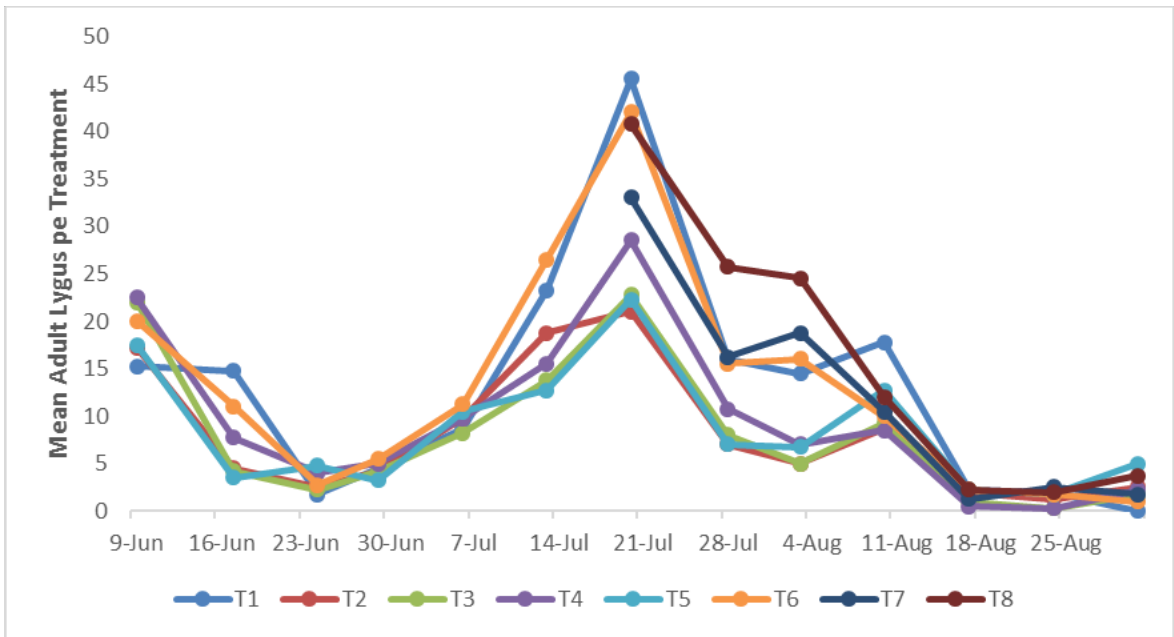
Oregon State University, Hermiston Agricultural Research and Extension Center
2121 South First Street, Hermiston, OR 97838

silvia.rondon@oregonstate.edu

Lygus bugs are pests of increasing importance to potato growers in the Columbia basin. Growers currently have a limited toolkit to deal with this pest. The large host range and hardy nature of Lygus bugs also adds complications when developing a control strategy.

In this trial, registered pesticides commonly used in potatoes were selected for Lygus bugs control. The trial was set up in a randomized complete block and followed standard agronomic practices. No insecticides were used at planting. Lygus were sampled starting at emergence using an inverted leaf blower; samples were brought to the laboratory and left for at least 48h at 4°C. After insects were dead, they were sorted and counted. Sampling continued throughout the season. The varying treatments showed mixed results depending on the life stage of the insects and chemistry.

Treatments	Trade name	a.i	Group	REI (hrs)
T1	UTC	-	-	-
T2	Vydate	Oxamyl	1A	48
T3	Permethrin	permethrin	3	12
T4	Beleaf	flonicamid	9c	12
T5	Asana	esfenvalerate	3	12
T6	Sevin	carbaryl	1A	12



*T7 and T8 are not registered in potatoes and no information is provided in this report.

