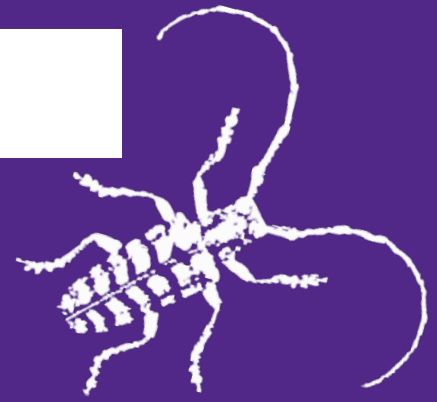


Kansas State University Extension Entomology Newsletter

For Agribusinesses, Applicators, Consultants, Extension Personnel & Homeowners

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News Corner

- Corn Rootworm Field Trial

Learning Corner

- Fluttering into Fall

NEWS CORNER

Corn Rootworm Field Trial

Corn producers, especially sweet corn producers, are often concerned about adult corn rootworms feeding on silks. However, it is usually not as impactful to field corn as it can be to sweet corn, which is more vulnerable to even a small amount of damage or unfilled ears because they are mostly sold due to eye appeal. In other words, undamaged, completely filled ears are much more aesthetically pleasing to the consumer. Therefore, a small insecticide efficacy trial was conducted for adult corn rootworms in a sweet corn patch. There were 3 insecticide treatments plus an untreated check. Plots were sprayed at 1st silk and monitored until silks turned brown (2 weeks post-treatment, see Figure 1).



Figure 2. Corn rootworm adults (note the gravid female at the top).

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Figure 1. 2024 Adult Corn Rootworm Insecticide Efficacy Trial.

Sample (Total of 10 plants), days after treatment (DAT)

2024 Adult Corn Rootworm Insecticide Efficacy Trial							
Treatment	Rate	Sample Data (Days after treatment DAT)					
		3 Aug (3 DAT)				14 Aug (14 DAT)	
		SCRW	WCR	SCRW	WCR	SCRW	WCR
Untreated		29	32	4	50	0	5
Indolex	11 fl oz/a	8	24	0	26	0	0
Steward	12 fl oz/a	9	15	3	18	0	0
Chlorpyrifos	1 pt/a	14	21	0	23	0	1

Generally, a foliar corn rootworm insecticide application is recommended when 6 or more adults (see Figure 2) are feeding on the silks just as silking is initiated. Thus, untreated plants reach that threshold level but all insecticides tested reduced infestation levels well below the treatment threshold.

See all efficacy trials here: <https://entomology.k-state.edu/extension/crop-protection/efficacy-trials/>

Jeff Whitworth – Field Crop Entomology
Amie Norton – Nanotechnology Entomology

HOME

LEARNING CORNER

Fluttering into Fall

Fall is here, and so are the monarch butterflies! You may have noticed them as they embark on their incredible migration. These winged wonders travel thousands of miles to their wintering grounds. Monarch butterflies were officially listed as endangered by the International Union for Conservation of Nature (IUCN) on July 21, 2022. The IUCN added the migratory monarch butterfly to its Red List of Threatened Species due to the rapid decline in their population, primarily driven by habitat loss, climate change, and pesticide use. The species had experienced a significant population drop over the previous decades, prompting the urgent conservation effort. Learn how to establish a monarch butterfly and pollinator habitat in this free publication: https://bookstore.ksre.ksu.edu/download/small-scale-monarch-butterfly-and-pollinator-habitat-development-in-kansas_MF3290



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HOME

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[Need an insect identified? Visit the Insect Diagnostics Program Website](#)

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Visit entomology.ksu.edu/extension to explore our extension resources.

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Department of Entomology

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