

Moths - Welcome to Nebraska

• Adult moths migrate from tropical regions in the Americas where they overwinter

 Travel northward on winds to central and eastern US and Canada

· Feed on plant nectar, mate, and lay eggs

Eggs - First sign of troubles

• Eggs laid in groups of 100-200, covered in scales, giving them a fuzzy appearance

 Multiple egg masses laid on stationary outdoor surfaces

• Remain as eggs for 2-5 days

Caterpillars - Feeding frenzy

- · Stay on soil surface, but are difficult to find
- Feed in high numbers in early morning or late at night
- Identified by Y-shaped mark between eyes
- Feed 3-4 weeks and undergo 6 caterpillar stages, destroying turfgrass quickly

1-shape Pupa - Namage is done

- Mature caterpillars about 1.25" long, move into soil
- Form reddish-brown pupae 1-3" deep
- Remain as pupa 10-20 days, depending on temperature

Why did this occur?

- Outbreaks are irregular due to changing climate and weather patterns
- 2021 provided favorable overwintering conditions, excessive rain, and frequent storms
- There is no indication or way to predictthat 2022 will be a bad year for fall armyworm



Products labeled for caterpillars in turfgrass

Insecticide	Class	Insecticide		Class
Spinosad Bacillius thuringiensis (Bti) Steinernema carpocapsae Bifenthrin	Biorational Parasitic nematode	Carbaryl Chlorantraniliprole Cyantraniliprole Tetraniliprole Clothianidin Dinotefuran Indoxacarb Trichlorfon	Carbamate Diamide	
Cyfluthrin Cypermethrin Lambda-cyhalothrin Permethrin	Pyrethroid		}	Neonicotinoid Oxadiazine Organophosphate



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