

DECEMBER  
2023

# Goshen County Weed & Pest NEWSLETTER

Goshen  
County  
Weed  
& Pest



**Goshen County  
Weed & Pest will be  
requesting proof of  
private applicator  
license upon  
purchase of bait  
and herbicides.**

## PRIVATE APPLICATOR RECERTIFICATION

FEBRUARY 6TH  
8AM - NOON

FEBRUARY 28TH  
1PM - 5PM

PLATTE VALLEY BANK  
TORRINGTON BRANCH

FREE OF CHARGE  
WITH QUESTIONS CALL AMY @  
307-532-2436

**Landowners who  
need to purchase  
Restricted Use  
Pesticides (prairie  
dog bait, gopher  
bait, fumigants and  
other RUP  
herbicides) will  
NEED their private  
or commercial  
applicator license.**

## OVERWINTERING GRASSHOPPERS

Most grasshoppers overwinter as eggs in a pod laid in the top few inches of the soil. Pods may contain from eight to 30 eggs, and females may produce up to 100 eggs during the season. The older instars and adult grasshoppers that are present with the April and May temperatures shouldn't bother you.

The species listed below hatched in the fall and overwintered as nymphs. Their lifecycle should end before economical thresholds are met. Grasshopper species can hatch from mid to late May, while other species can hatch from one to three weeks later. Hatching will continue well into June. Nymphs start feeding immediately and have the same host range as adults. Nymphs will mature into winged adults in five to six weeks. Adults can start dispersing from nymphal feeding areas by late June and early July.

### Things to consider when dealing with grasshoppers in the Spring

Arphia Conserpa  
Speckled Winged



Eritettix Simplex  
Velvetstriped



Psoloessa Delicatula  
Brownspotted



### Critical to treat before reaching the fourth instar

- An instar is the insect between molts
- Grasshoppers have five molts (five instars)
- Must treat within an "instar" stage

### Using insect growth regulators as a control method

grasshoppers must feed on the growth regulator and then molt to see affects

### Pest species

The grasshoppers (pest species) of concern will be hatching mid May.

### Rule of thumb

"If the lilac bushes are blooming then the pest species are hatching."  
"A first instar pest species is the size of a uncooked grain of rice."

### STAY IN THE KNOW

- Dec. 14- GCWP Board Meeting
- Dec. 25- Jan. 1- Christmas (office closed)

**Office Christmas Closure  
December 22nd- January 1st**

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