AUGUST
2020

Goshen County Weed & Pest NEWSLETTER

Goshen County Weed & Pest

GRASSHOPPERS ARE DEFEATABLE

Grasshoppers can create a serious problem in Wyoming. Through direct consumption or clipping, grasshoppers can damage up to 25% of available forage in the western US annually. Thankfully, of the over 70 species of grasshoppers in Wyoming, Goshen county has about six species which may cause economic damage.

Why do we care about RAATs?

- **R**educed **A**gent and **A**rea **T**reatment was developed at the University of Wyoming!
- The goal is to reduce populations below damaging levels
- Insecticide cost is reduced by alternating swaths of treated and non-treated areas
- Preserves beneficial predators and parasites

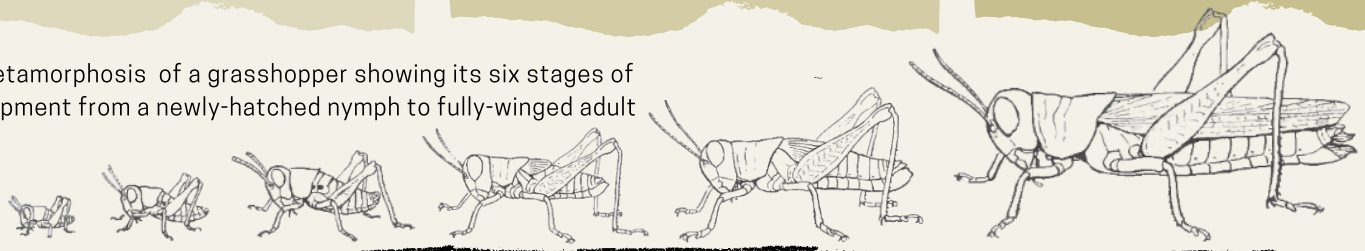
Why is growth stage important?

- Development cycle from egg to nymph (includes 5 stages of "instar" development) to adult takes 30-50 days
- Certain insecticides (growth regulators such as Dimilin) only work on the first 3 instar stages
- Adults can be controlled with other products, yet are typically more expensive and less effective

What does the future hold?

- Most damaging species overwinter as eggs; adults found in April/May overwinter as adults
- Plan to treat before they become adults - instar growth heavily dependent on air temperature
- Contact us for product recommendations, species identification, and *potential* funding assistance

The metamorphosis of a grasshopper showing its six stages of development from a newly-hatched nymph to fully-winged adult



PROOF IN THE PICTURES

Proper application timing and a little patience are vital to success in weed control.

Plants may not appear to die quickly, yet a year-to-year comparison shows the benefit of management.

Thistle rosettes treated in spring (below right) don't have a chance to become several feet tall by mid-summer.

STAY IN THE KNOW

- Mosquito foggers are available for rent
- Visit with us during Fair (Aug 6 and 7)!
- Calibration guides available on our website

307.532.3713 GOSHENWEEDANDPEST.COM GOCOWEEDS@GMAIL.COM
P.O. BOX 757 TORRINGTON, WY 82240