

# WHITE GRUBS

(Scarabaeidae family)

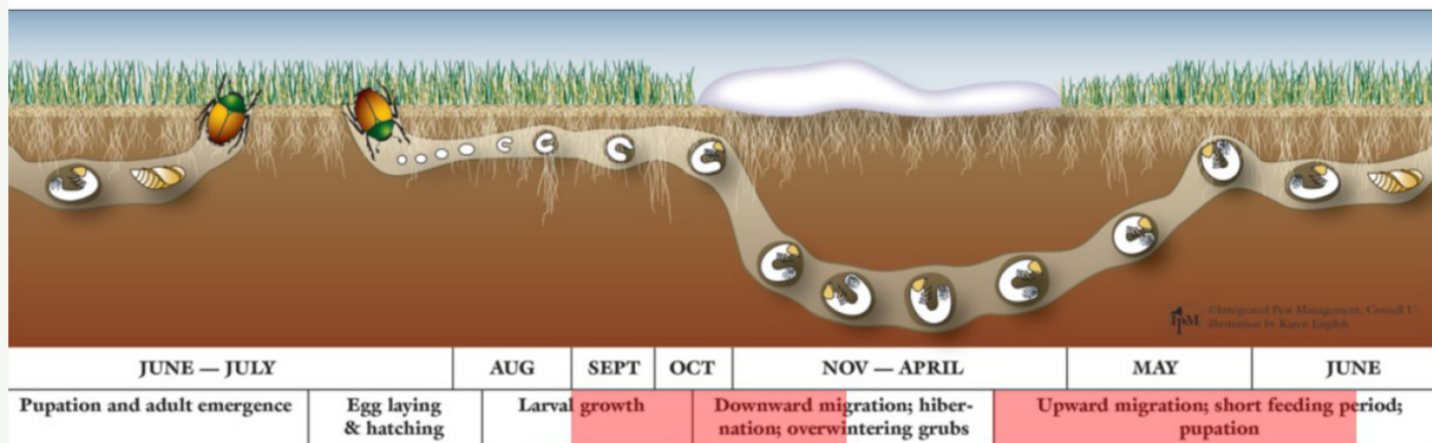
## TURFGRASS PEST IDENTIFICATION

SCOUT | IDENTIFY | TAKE ACTION

**TurfTechAdvisor**

KNOW MORE. GROW FURTHER.

### LIFE CYCLE / SOIL-PROFILE CHART



Supplied chart artwork retained, including the lower-right attribution. Month labels are an approximate annual model only.

### WHEN IS INSECTICIDE TREATMENT BEST?

#### PREVENTION: BEFORE HATCH / YOUNG LARVAE

For documented annual-grub risk, use a labeled preventive before egg hatch or while larvae are small. In the MSU product-timing example, chlorantraniliprole is applied earlier than typical summer neonicotinoid preventives.

Species, region, weather, soil, product and label change timing. This is not a universal systemic window; follow the current label and local extension guidance.

#### CURATIVE: SMALL, ACTIVELY FEEDING LARVAE

When live larvae and root injury are confirmed, curative treatment is often most effective while larvae are small - commonly late summer to early fall in the annual northern model. Large spring larvae are harder to control.

#### WHITE GRUBS IN SOIL



Part soil and inspect roots; confirm live larvae.

#### CLOSE-UP



C-shaped body, brown head and three leg pairs.

#### TURF DAMAGE



Injury prompts scouting; it does not diagnose grubs.

#### CONFIRM GRUBS

- Lift sod at several damaged margins
- Inspect roots and count live grubs in measured areas
- Consider species, turf vigor and root injury
- No universal five-grub treatment threshold

#### ANNUAL MODEL / SPECIES VARY

- Common annual grubs overwinter as larvae
- Spring may reveal large overwintered larvae
- Late summer/fall may reveal young new-season larvae
- May/June beetles can have multi-year cycles

#### ANIMAL DIGGING

- Wildlife may search for many soil organisms
- Digging is a reason to inspect, not proof
- Treatment may not stop wildlife activity

### CUSTOMER EXPLANATION

"We will confirm live grubs, roots and turf condition. If control is justified, timing will match the life stage and product - not a generic month-by-month band."

#### [1] University of Maryland Extension — Pest identification and biology

<https://extension.umd.edu/resource/white-grubs-lawn-and-garden-soil>

#### [2] Michigan State University Extension — Grub control timing

[https://www.canr.msu.edu/news/how\\_to\\_choose\\_and\\_when\\_to\\_apply\\_grub\\_control\\_products\\_for\\_your\\_lawn](https://www.canr.msu.edu/news/how_to_choose_and_when_to_apply_grub_control_products_for_your_lawn)

Original imagery retained; text and labels corrected. Confirm live pest features.

Educational reference: follow local extension guidance and current product labels.