

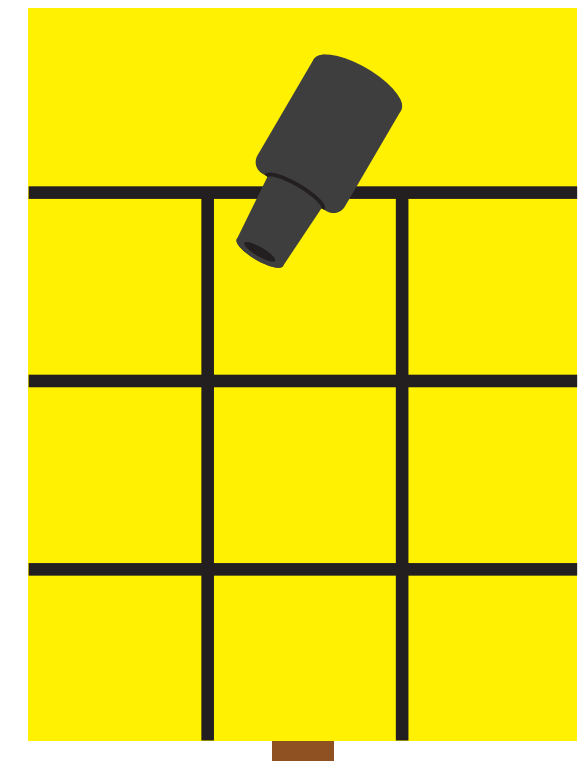
Cycle of pepper weevil (*Anthonomus eugenii*) infestations and their control in U.S. North Central region

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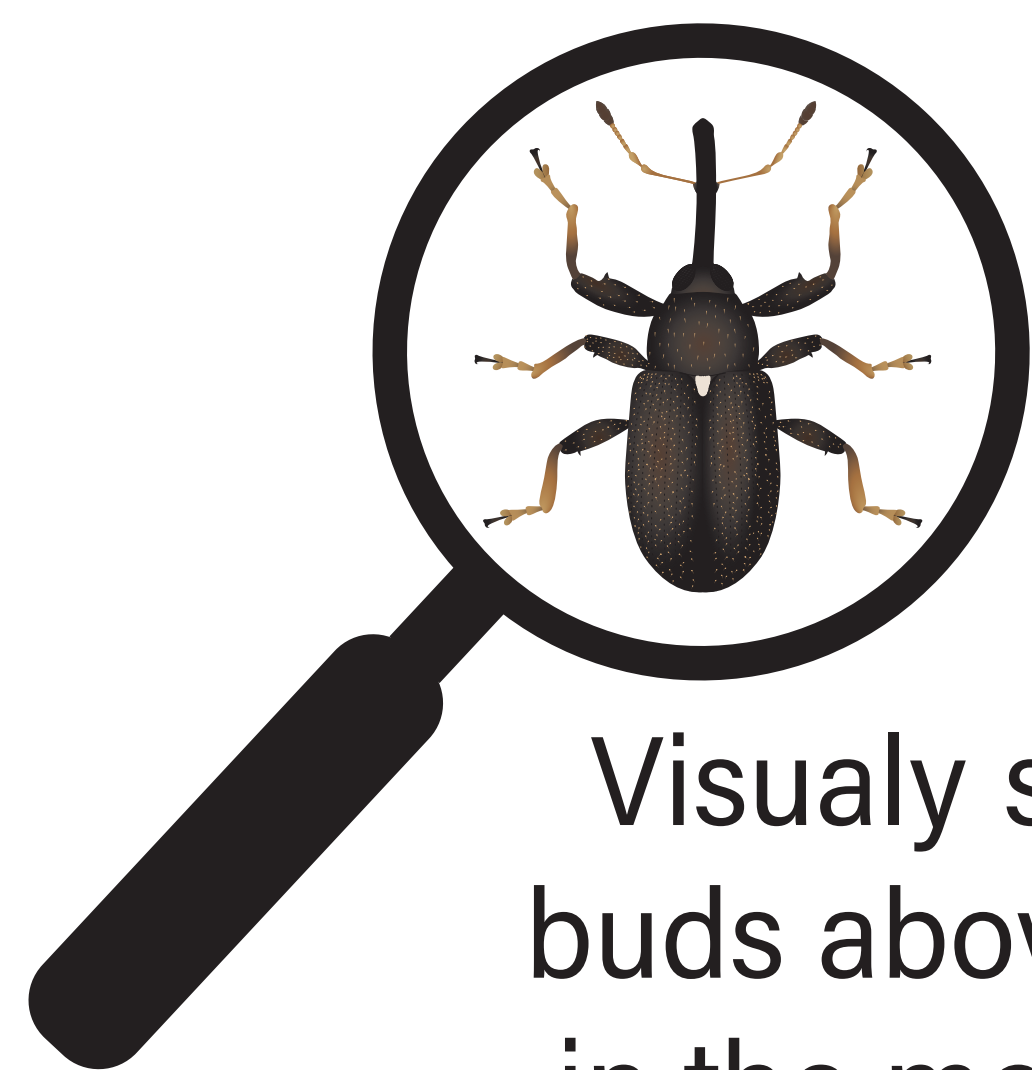
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² PURDUE
AGRICULTURE

MONITOR^B



Pheromone baited sticky traps placed above foliage around perimeter of pepper and cull fields



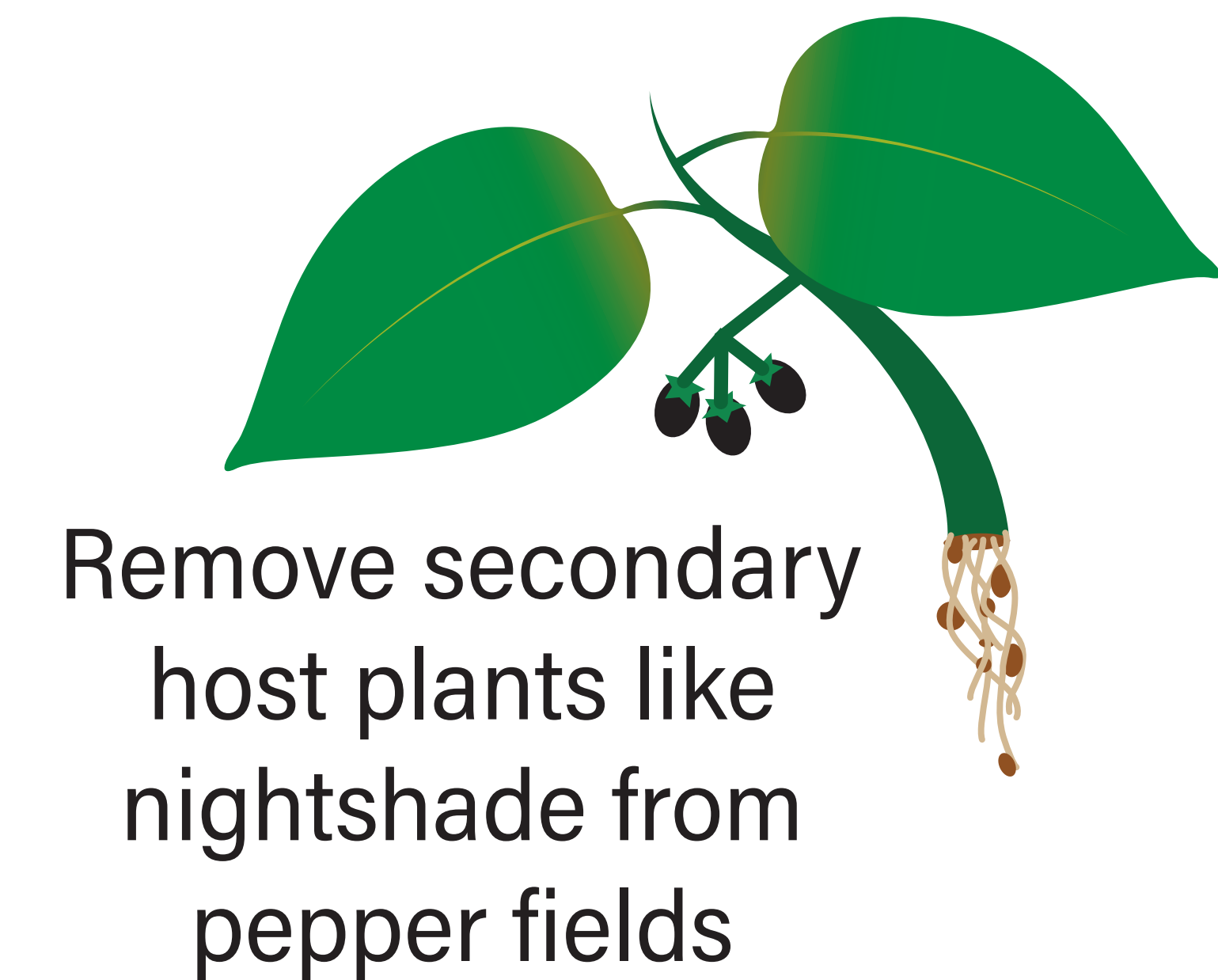
Visually scout buds above line in the morning

Start control strategies when threshold is reached:
0.25 - 1% of buds with 1 adult pepper weevil

CONTROL^C



Insecticide applications should target adults when active in morning



Remove secondary host plants like nightshade from pepper fields

IDENTIFY^A



Tooth-like spur on every femur



Patch of white rice-shaped scales

Key ID features

Monitor at bud formation

Line of Scouting
Upper 1/3rd of plant

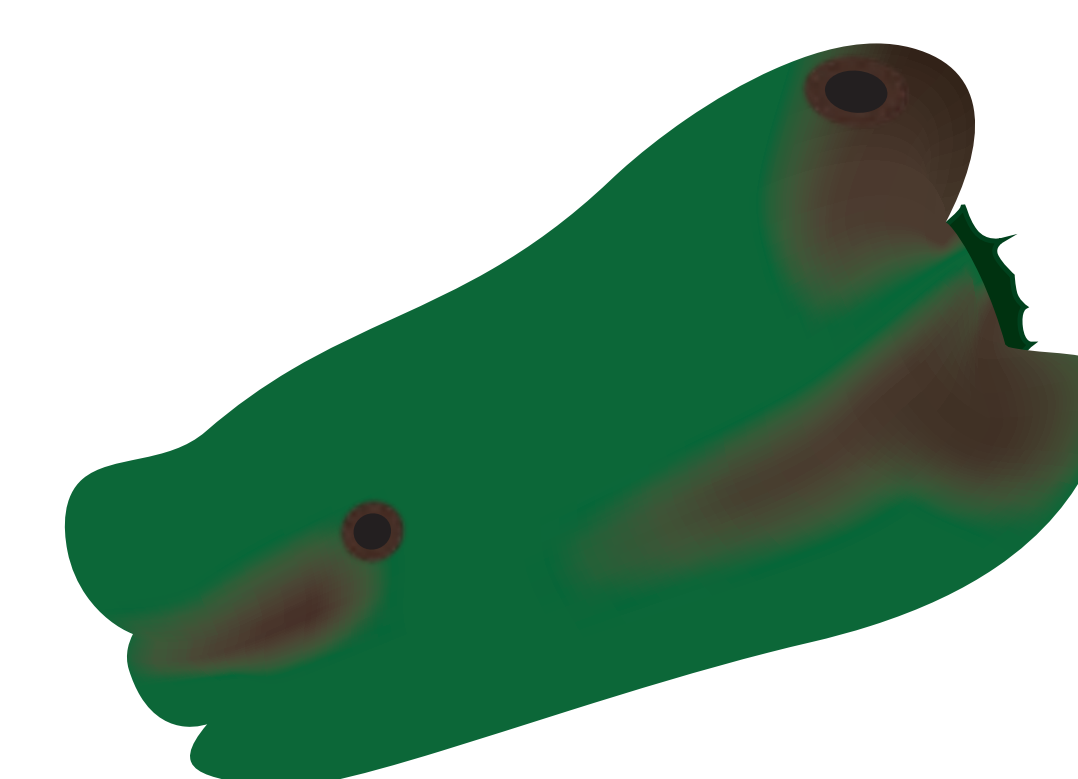
Adults move from damaged fruit in cull fields to healthy plants

Fruits dropped in cull field

Adult



Manage cull fields



Adults chew their way out of fruit

Pupate inside fruit

Pupa



3rd instar

2nd instar

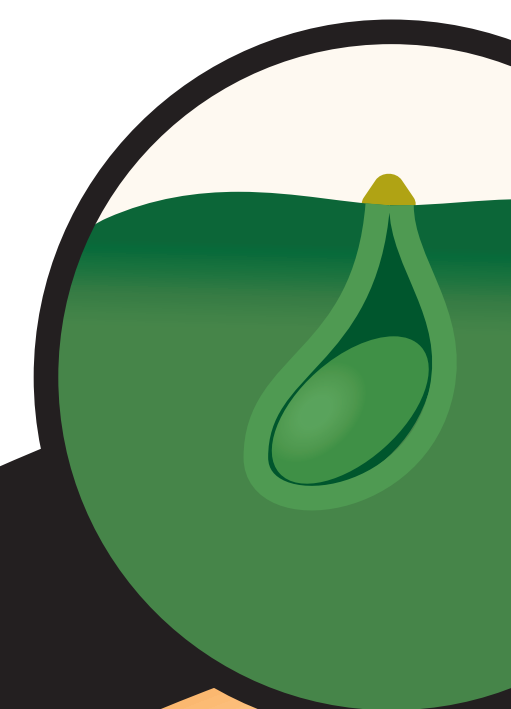
1st instar

3 larval instars feed on pepper and seeds inside the fruit

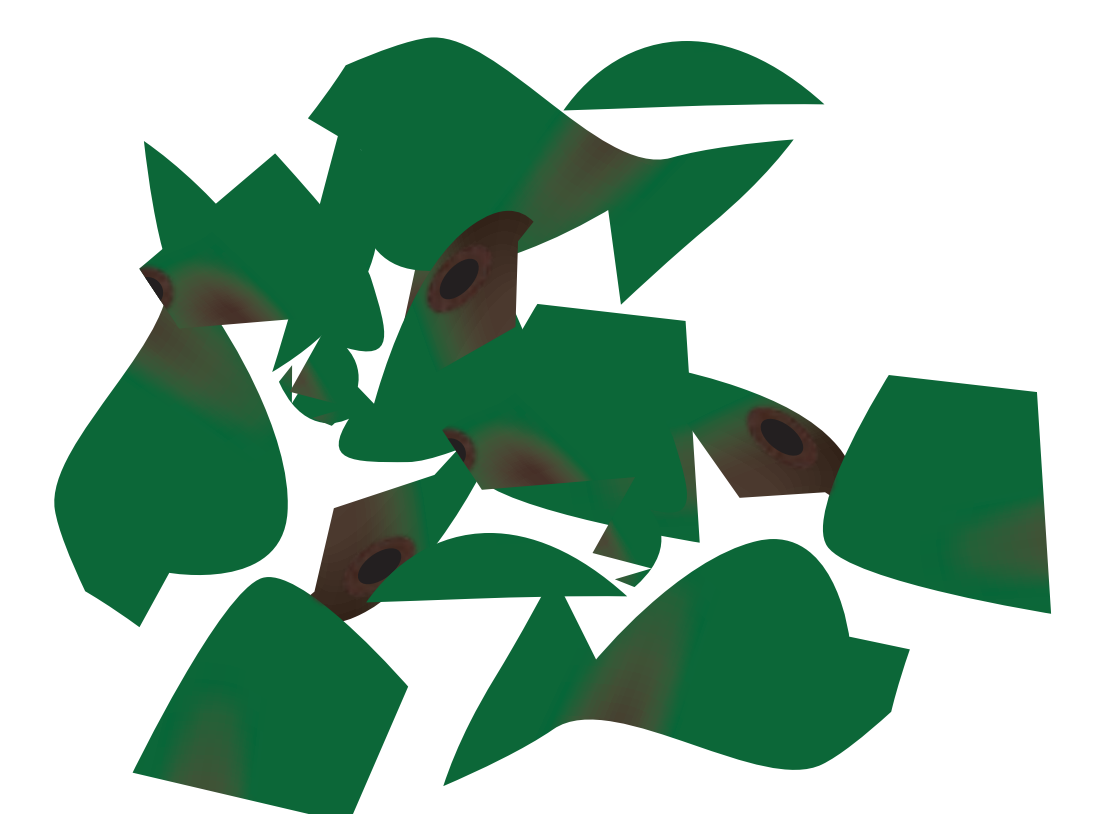
Larvae

Egg

Eggs laid in buds leave oviposition scar



PREVENT^D



Break apart culled peppers using mechanical means once per week (April - Oct.)

