



Plum Curculio Management Using Black Pyramid (Tedder) Traps & Plum Essence Lure

This release provides detailed instructions for effectively using Black Pyramid (Tedder) traps in combination with Plum Essence lures to monitor and reduce plum curculio (*Conotrachelus nenuphar*) populations in home orchards.

Black Pyramid (Tedder) Trap

Design:

Simulates a tree trunk; adult plum curculios are naturally drawn to climb the trap, mistaking it for a host tree.

Recommended Use:

Designed for small fruit environments and home orchards to monitor and trap adult plum curculios.

Trap Placement:

- Place traps along the border rows of the orchard.
- Install between full bloom and two weeks after petal fall, before fruit sets.
- This timing captures migrating adults before they reach developing fruit.

Trap Density:

- Home Orchards (<10 acres): Minimum of 2 traps, regardless of size.
- Larger Acreages: Use 1 trap per 10 acres.

Maintenance Guidelines:

- Check traps weekly.
- Remove captured insects and clean or replace traps as needed.
- Use one lure per trap.
- Discard used lures in trash away from the orchard when replacing.

Plum Essence Lure

Function:

Enhances trap attractiveness by mimicking natural host volatiles, drawing in adult plum curculio.

Field Life:

- Effective for 6–8 weeks.
- For best results, replace every 4 weeks.

Storage Instructions:

- Short-term: Store in a cool, dry location (<74°F / 24°C).
- Long-term: Refrigerate or freeze unopened lures.

Lure Placement:

- Attach directly to the pyramid trap, per manufacturer instructions.
- Install during the same critical spring window as traps.

Replacement Schedule:

- Replace every 4–8 weeks; monthly replacement is most effective.

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For further Information on all NIC Products go to www.naturalinsectcontrol.com

Plum Curculio Monitoring & Management Tips

Adult Activity Timing:

- Begin monitoring after petal fall when daytime highs consistently reach ~70°F (21°C).

Trap Monitoring:

- Count and record weekly trap captures.
- Use data to guide treatment decisions—refer to local extension or university guidelines.

Integrated Pest Management (IPM) Reminder:

- Traps are most effective as part of an IPM approach.
- Additional measures (e.g., insecticide sprays) may be needed if trap captures indicate high population pressure.

Signs of Plum Curculio Damage

- Crescent-shaped scars on fruit (egg-laying injury)
- Deformed, knobby fruit at harvest (adult feeding)
- Premature fruit drop due to internal larval damage

PYRAMID TRAP DEPLOYMENT (▲)

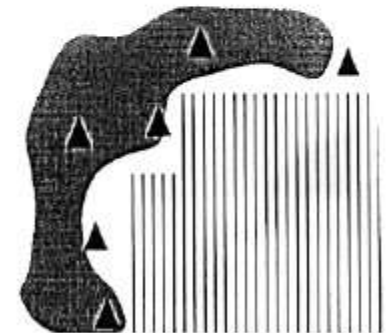
Early Spring

A majority of the pyramid traps should be placed in the woods, especially near PC-damage hot spots. Plastic pyramid traps placed in the woods baited with fruit volatiles capture earlier and capture more PC during early spring.



Early Summer

Pyramid traps should be placed closer to the orchard, but still outside of the drive row. Leave the trap(s) that have been capturing the most PC in the woods. Plastic pyramid traps baited with fruit volatiles capture more plum curculio in the early summer.



Mid Summer through Fall

Most pyramid traps should still be in the border of the orchards, however, a couple should be moved to orchard interior. Traps that are capturing PC should stay put. Move traps to a new location weekly until they catch PC. Consider moving other traps into an area that has sustained catch for more than one week. Plastic pyramids do not need bait during this time.

