

# Fungus Gnat Lifecycle + Larval Control

Understanding the Lifecycle to Effectively Target the Source

## 1. Adults

Small, dark, mosquito-like gnats. Do not feed or cause plant damage, but deposit eggs in soil.

 Lives 7-10 days



## 2. Eggs

Laid in moist soil, usually near plant roots. Can lay up to 200 eggs.

 Hatch in 4-6 days



## THE REAL ISSUE

**3. Larvae:** The damaging stage! Feed on organic matter and roots, causing root damage and stunted growth.

 Target with Bti (*Bacillus thuringiensis israelensis*) 

 Active for 2-3 weeks



## 5. Emergence

New adults emerge from the soil to mate and begin the cycle again.

 Ready to reproduce



## 4. Pupae





Resting stage where larvae transform into adults. Found near the soil surface.

 Transforms in 4-6 days



## Effective Larval Control

### How to break the cycle (larval control):

-  Let the top 1-2 inches of soil dry between waterings.
-  Remove decaying leaves + organic debris on the soil surface
-  Use yellow **Sticky Traps** to catch adults and monitor activity 

### Summit Responsible Solutions' Product Integration:



**Apply Mosquito Bits:** Contains Bti to kill fungus gnat larvae quickly and effectively.



**Mix with Water or Soil:** Can be sprinkled on soil or mixed into watering can for easy application.



**Safe for Plants & People:** When used as directed, Bti is safe for use around houseplants, pets, and people.

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