



Small Fly Protocol for Commercial Kitchens



Understanding Small Fly Habits and Life Cycle

There are several species of small flies, including fruit flies, phorid flies, moth flies and drain flies, to name a few. Their life cycles are short and anywhere from 1 to 3 weeks long, on average. They have complete metamorphosis (egg, larva, pupa, adult). They breed in moist organic matter, including slime inside drains, dirty mop buckets and mops, under wet or dirty floor mats and even cracks in tile grout with organic buildup.

Pre-Treatment

- Stress the importance of sanitation to your customers, and encourage them to clean all problem areas thoroughly, remove all food sources and remove all organic materials from potential breeding sites.
- Discourage hot hosing floors as a cleaning practice as this will remove the product more quickly.
- Store wet or dirty rags and mops outside or remove each day for cleaning.
- Use sticky traps or other small fly traps to assess current populations.

Inspection

- Locate all breeding sites.
- Look in wet or dirty cleaning equipment, trash bins, dirty-dish areas and common spill areas, such as a drink mixing area, under rubber mats on the floor or any other area that can accumulate organic matter and moisture.
- Look for old produce, such as onions and potatoes in dry storage areas. If the produce is not rotated properly, the rotting produce may be a breeding site or may become a breeding site in the near future.

Treatment

- Apply NyGuard with a foaming agent to the drains.
- Apply NyGuard alone or with an adulticide to common spillage or food waste areas. The adulticide may be used for quick knockdown of pests visible to the customer, to provide immediate relief and as a visual cue of "dead bugs" that some customers may want to see. Long-term residual control is achieved with NyGuard alone.

Product	Rates	Application Areas
NyGuard	4 to 12 mL per gallon	Any known or suspected breeding areas and any areas the insects are known to hide, travel, rest or harbor
Foaming Agent	Follow label instructions	Drains and other hard-to-reach areas the foam is labeled for
Adulticide	Follow label instructions	All areas the product is labeled for

Post-Treatment

Check trap counts to make sure the population is declining. Control should be gained within about 3 to 4 weeks when NyGuard alone is used and sooner if an adulticide is used. If control is not achieved, re-inspect to make sure all breeding areas have been cleaned and treated. If necessary, expand inspection area to other nearby sources of infestation, including trash bins and plumbing with broken pipes under or inside the building walls and foundation.



The Integrated Small Fly Solution for Superior Results



NyGuard® IGR
Insect Growth Regulator—140 mL

NyGuard® IGR
Insect Growth Regulator—480 mL

- Effectively breaks the reproductive cycle of flies and other listed pests
- Adsorbs to organic and inorganic matter
- Stable compound, even in heat
- Long residual
- Works at low levels
- Reduced risk*
- May be used in food and non-food areas
- Can be applied to drains as directed on the label

*Pyriproxyfen, the active ingredient in NyGuard, has EPA Reduced Risk status in food handling establishments



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