



INNOVATION YOU CAN APPLY

CSI Service Protocol:

Small Fly Treatment



Identify the fly

Common small flies found in residential and commercial properties:

- Drain flies (moth flies) Family: Psychodidae
- Fruit flies (red-eyed and dark-eyed); Family: Drosophilidae
- Phorid Flies (humpbacked flies): Family: Phoridae
- Fungus Gnats; Family: Sciaridae & Mycetophilidae

Insect light traps (ILTs) can assist with monitoring. Install ILTs according to the manufacturer's direction. Additionally, fruit fly traps can be used to monitor for presence of fruit flies and reduce populations.

Inspection and source identification

Adult fly control alone is not enough to solve a small fly problem. The solution depends on locating the source of the infestation and treating or removing the breeding material the larvae are developing in.



INSPECTION AND SOURCE IDENTIFICATION

INSPECTION AREAS (FOCUS ON MOISTURE AND ORGANIC BUILDUP)		
Drains	Utility sinks	Base of toilets and urinals
Underside of drain covers	Mop sinks/buckets	Floor and bar mats
Soda machines and soda lines	Cracks in floor/grout	Old, rotting vegetables and fruit
Bars (beer taps and pour spouts), trays below taps	Underneath equipment and appliances	Potted plants (fungus gnats)
Backs of appliances (ice machines, dishwashers)	Food storage areas	HVAC, condensation drains
Dark corners where water slosh builds up	Garbage and recycling receptacles	Sewage leaks
Decaying food	Standing water areas, low spots on floor	Grease traps

Inspection Tools:

- Drain brush
- Inspection mirror (mechanics mirror)
- Scraper
- Flashlight or headlamp

Not sure if small flies are coming from a drain? Try the cup trick!
Place double sided sticky tape on the inside of a clear, plastic cup. Invert the plastic cup over any suspicious drains. After several hours, inspect the cups for activity to determine which drains may have issues.

TREATMENT WITH CSI PEST PRODUCTS

Insect Growth regulators
(Target immature stages and breeding sites)

TEKKO® PRO

Active Ingredient(s):
Novaluron (1.3%), Pyriproxyfen (1.3%)

Use rates for small flies:
1 oz./gal for 1,500ft² (can convert to foam)

Application areas:
Fly breeding sites: drains (inside and around catch basin), traps of sinks, bathtubs, in-floor drains, vertical surfaces surrounding breeding sites, garbage rooms, machine rooms, bathrooms, kitchens, washrooms, boiler rooms, mop closets, storage, walls, floors, under and between pallets, areas of machinery and equipment, moist breeding areas such as potted plants, behind cabinets, under shelves and racks.



TREATMENT WITH CSI PEST PRODUCTS

Insect Growth regulators
(Target immature stages and breeding sites)

TEKKO®TRIO CONCENTRATE

Active Ingredient(s):

Novaluron (2.6%), Pyriproxyfen (2.6%), (S)-Hydroprene (9%)

Use rates for small flies:

0.5 oz./gal for 1,500ft² (can convert to foam)

Application areas:

Fly breeding sites: drains (inside and around catch basin), traps of sinks, bathtubs, in-floor drains, vertical surfaces surrounding breeding sites, garbage rooms, machine rooms, bathrooms, kitchens, washrooms, boiler rooms, mop closets, storage, walls, floors, under and between pallets, areas of machinery and equipment, moist breeding areas such as potted plants, behind cabinets, under shelves and racks.



TEKKO®TRIO FOAM

Active Ingredient(s):

Novaluron (0.02%), Pyriproxyfen (0.02%), (S)-Hydroprene (0.36%)

Use rates for small flies:

No designated rate for spot and crack and crevice; 15 ounces per 1,125ft² for surface application

Application areas:

Areas that may harbor pests: walls, floors, shelving, storage areas, kitchens, closets, water pipes, behind and under appliances/equipment, shelving, drains (into and around the downspout and catch basin), shelving, under pallets.



TREATMENT WITH CSI PEST PRODUCTS

Insect Growth regulators
(Target immature stages and breeding sites)

PIVOT® 10

Active Ingredient(s):
Pyriproxyfen (10%)

Use rates for small flies:
4 mL per gallon to treat 1,500ft²

Application areas:

Apply to known and suspected breeding sites: moist areas with decaying organic matter, as well as areas where these insects are known to travel, rest, hide or harbor.



Adulticides
(Provide quick knockdown of flying adults)

STRYKER® CONCENTRATE

Active Ingredient(s):
Pyrethrins (6%), Piperonyl butoxide (60%)

Use rates for small flies:
For space spray: 1 part (1 qt) Stryker to 29 parts water (7.5 gal) up to 1 part concentrate (1 qt.) Stryker with 11 parts water (3 gal.) at a rate of ½ - 1 oz. per 1,000 cubic feet

Application areas:

Direct spray upward into open spaces. May be used in food and non-food areas. In food handling establishments, the facility should not be in operation.



TREATMENT WITH CSI PEST PRODUCTS

Adulticides
(Provide quick knockdown of flying adults)

STRYKER® 54 AEROSOL

Active Ingredient(s):

Pyrethrins (0.5%), Piperonyl butoxide (4%)

Use rates for small flies:

For space spray: 1-3 sec/1,000 cubic feet

Application areas:

Apply upwards directly into open air. Turn off AC, fans, close doors and windows before treating. Do not make space spray applications while facility is in operation.



INSIGHTS ON FLY CONTROL

Explore expert tips and insights for identifying, preventing, and managing fly infestations.



**Fly Season is Here
Are You Ready?**



**A Closer Look
at Small Flies**



**Control Small Flies in
Commercial Kitchens**





CSI-PEST.COM

