The house fly - the most common of all insects - is the toughest to repel and is known to be a vector of 65 different diseases. They breed prolifically in manure and other organic material. If a house fly lands on a manure pile, it will imbibe the pathogens present. It is significant for poultry farmers because S.e. is among the leading bacterial causes of food-borne illness in the United States and shell eggs are a primary source of human S.e. infections.

This guide was developed to help poultry operators control house flies. Below are population monitoring methods and on the reverse, control resources that when used in combination will help establish a control program that can benefit the entire operation.

**MONITORING**

**SPECK CARD METHOD**

Speck cards – 3-inch by 5-inch white index cards affixed to fly resting surfaces.

Attach cards to areas soiled with large amounts of fly fecal and regurgitation specks. Place card at a minimum of five locations per house, one card per 1,000 sq. ft. Collect the number of flies made by flies. Derive a speck card index by calculating an average number of specks per card. Satisfactory fly control yields an index of 50 specks or fewer per card.

**STARBAR SOLUTIONS**

Always read and follow label directions. Fly Terminator, Fly Stik, Lure-Fly, and the red to yellow gradation are trademarks of Farnam Companies, Inc. QuikStrike, Golden Malrin, Starbar, and Starbar with design are registered trademarks of Wellmark International. ©2017 Wellmark International. FR17-006

**FIXED METHOD**

Monitor using sticky traps in fixed locations throughout a poultry operation. Hang fly ribbons or fly sticks above the cages in the front, center, and rear of the poultry house. After 7 days, remove the sticky traps and count the number of flies trapped. A weekly count of 50 or fewer flies per trap is likely to indicate satisfactory fly control.

**MOVING METHOD**

Monitor using sticky traps, while moving throughout a poultry operation. To monitor with fly ribbon, unroll and extend ribbon to its full length. Group the top of the ribbon by the string loop and suspend the ribbon so that the bottom cardboard cylinder is about 2 – 5 cm. from the floor. To monitor with fly sticks, grasp the bottom of the stick and suspend it downward towards the floor. Proceed with the sticky trap, walking at a normal pace on an inside walkway between the cages. Suggested walking distance should cover 1,000 feet, 5 minutes or two rows. The goal is to cover a representative sample of the operation to gauge fly population. Count and record the number of flies adhered to the sticky trap. A count of 75 flies per tape is likely to indicate satisfactory fly control.

The front and back side of a typical speck card that can be used for monitoring fly populations.

"Starbar" products have been a trusted name in insect control for over 40 years. To learn more about the products featured in this guide or additional products offered, visit starbarproducts.com, call your local distributor or call 800.347.8272.
Control Guide for House Flies

CHEMICAL BAITS & SPRAYS

FLY TERMINATOR PRO
A trap capable of trapping up to 35,000 flies.

LURE-FLY™
Super sticky and disposable fly ribbons.

QUIKSTRIKE® FLY BAITS
The active ingredient, Dinotefuran, has no known resistance and provides for quick knockdown of house flies.

GOLDEN MALRIN® FLY BAITS
The active ingredient, Methomyl, is highly effective in rotation with QuikStrike® Fly Bait.

QUIKSTRIKE® FLY ABATEMENT STRIP
Flies are instinctively drawn to feed on this curved design by a triple-action attractant.

CHEMICAL BAITS attract and control adult house fly populations by luring flies away from poultry and their feed.

SCATTER BAITS*
Apply granules directly from a container in locations where house flies are a problem. Scatter granules evenly on walkway surfaces or in containers as shown in image below. Apply at a rate of ¼ lb. per 500 sq. ft. on the ground or in a bait station at a rate of 1-ounce per station for Golden Malrin® Fly Bait and 2-ounces per station for QuikStrike® Fly Bait.

FLY ABATEMENT TRIPS*
For reduced applications of 4 ft. or less per poultry house with a 5-gallon bucket at floor level to collect flies as they die and to measure effectiveness. Coverage area should be approximately 300 sq. ft. per strip for indoor applications. Replace strips as effectiveness diminishes.

FLY BAIT SPRAY
Apply QuikStrike® Fly Bait Spray to walls, window sills, posts and roost in poultry broiler and caged layer operations (including runs and pits). A mix of 2 oz. of dry product with 16 oz. of water covers 250 sq. ft.

FLY BAIT SPRAY
Apply Golden Malrin® Fly Bait Spray to walls, window sills, posts and roost in poultry broiler and caged layer operations (including runs and pits). A mix of 2 oz. of dry product with 16 oz. of water covers 250 sq. ft.

FLY ABATEMENT TRIPS*
Place fly-baited strips 4 ft. or lower in poultry houses with a 5-gallon bucket at floor level to collect flies as they die and to measure effectiveness. Coverage area should be approximately 300 sq. ft. per strip for indoor applications. Replace strips as effectiveness diminishes.

TRAPS

CHEMICAL BAITS provide an accurate, high-impact gauge for progress in nuisance fly management. They are inexpensive and readily available. Fly traps deliver an effective complement to chemical control methods.

STICKY TRAPS
Hanging ribbons and sticks designed to help monitor and lure flies, and control them with adhesive. Easy-to-use and aquatic, sticky traps can be used as part of a monitoring system to help control fly populations and monitor control processes. Sticky traps can be hung in clusters to cover large areas or on the adhesive surfaces. Once full, simply take the sticky trap down and dispose. Sticky traps are safe to hang anywhere flies are a problem in a poultry operation.

JUG TRAPS
Large containers with specially designed lids to draw flies in while preventing them from escaping. Flies are drawn in by attractants inside the trap. The entry area to the trap is designed to prevent flies from seeing an escape route. Trapped flies will exhaust themselves, fall into the water below and decompose. This process aids in attracting more flies to the trap. Jug traps are ideal for use in and around all areas of poultry operations.

FOR POULTRY OPERATORS

FLY TERMINATION SPRAY
A spray and pre-mixing on the market in 1-gallon bottles.

FLY STIK™
An insecticide-free kit with a special insecticidal lure and a 20-ounce tube of stick with adhesive to help control house flies in key areas.

FLY STIK™ STICKY FLY TRAPS
12” stick 24” stick.