

House Fly Result Demonstration 2019



Background: House flies are nuisance non-biting filth flies found on all continents except Antarctica. They are the most abundant insect associated with livestock, poultry, and companion animals. Adult house flies are gray and black in color and 6-9 mm long. House flies can occur on virtually all substrates, feed, feces, and vegetation. Facilities that congregate livestock such as barns, dairies, or feedlots will also congregate house flies. When this occurs, house flies become a nuisance and will aggravate livestock. House flies are also potential vectors of enteric pathogens. A variety of house fly baits and traps are available on the market. The goal of this result demonstration is to help determine which baits work best in Polk County.

Study Area: A beef cow/calf operation located on Jack Pate Rd. in the northern part of Polk County was utilized for the result demonstration. A barn utilized by the cattle for shade was used to test the effectiveness of the different baits. Four different granular baits were used along with a Captivator fly trap.

Trial: Granular bait was placed in plastic tupperware while the Captivator trap was hung from a rafter. Each bait was placed in a different tupperware. Once a month dead house flies inside the tupperware or inside the Captivator trap were counted. Old bait was removed and replaced with new bait.

Results:

	June	July	August	September	October	Total	Average
QuickBayt	24	19	42	28	45	113	22.6
Golden Malrin	8	69	5	42	4	128	25.6
QuikStrike	43	21	25	8	6	103	20.6
Cyanorox	46	51	34	35	25	191	38.2
Captivator	156	177	79	18	15	445	89

Captivator had the highest average, however numbers dropped off steeply after August. QuikStrike numbers also dropped off after August. Cyanorox had the highest average of the granular baits. Golden Malrin numbers varied from month to month and showed no correlation for time of year. QuickBayt and Cyanorox appears effective across all months and numbers remained relatively the same from month to month when compared to other baits.