



# FINISHING SWINE OPERATION ACHIEVES 99% REDUCTION IN HOUSE FLIES WITH CLARIFLY® LARVICIDE

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- CTA PORK OWNER**



After years of battling house and “small” flies on its 2,400-head finishing swine operation with no effective results, CTA Pork agreed to participate in a demonstration trial to evaluate the effectiveness of ClariFly® Larvicide from Central Life Sciences. Within weeks of providing the product to the pigs on the Warsaw, Ohio-based operation, employees at CTA Pork saw a near complete reduction in the fly population.

“I saw results within two weeks, and by week four, the flies were essentially gone,” said the owner of CTA Pork. “ClariFly has by far been the most effective product I’ve used on my operation.”

The trial began after meeting with a Central Life Sciences rep and establishing the guidelines for the study. All animals on the operation were given feed including ClariFly® Larvicide 267, incorporated within the typical ration for the animals with the active ingredient included at a rate of 0.20 mg per kg of body weight per day. Samples were collected and sent to Central Life Sciences twice throughout the study to confirm the proper inclusion level of ClariFly® Larvicide.

The facility is a 2,400-head curtain-sided, tunnel ventilated double wide finisher with two rooms of 1,200 head on each side of the curtain. To monitor the changes in fly populations, CTA Pork employees hung two Starbar® EZ Trap® Fly Traps in each of the four areas of the facility. Traps were placed approximately seven feet above the floor and were not placed directly in front of fans or air vents where air movement could interfere with fly activity. The traps were collected weekly for flies to be counted and replaced with new, unused traps for the next week of the study.

After five weeks of the trial, fly counts from each of the traps were as follows:

HOUSE FLY COUNT				
Date	Room 1A	Room 1B	Room 2A	Room 2B
Week 1 (7/14/2016)	1080	2100	916	636
Week 2 (7/21/2016)	1200	1086	1900	1850
Week 3 (7/28/2016)	972	873	1150	1265
Week 4 (8/4/2016)	56	48	92	71
Week 5 (8/11/2016)	4	10	8	3

Between weeks 2 and 3 of the study, house fly populations had already dropped by an average of 27% across the four rooms. The following week, the average reduction was nearly 95% from the prior count with the fly numbers of each room dropping from an average of 1,065 to just 67.

After five weeks of observing fly populations, each room had experienced a **more than 99% reduction in flies** compared to its highest recorded number in the study with no room totaling more than 10 house flies by week 5.

“I could not have asked for better results than I got with ClariFly,” said the owner of CTA Pork. “The work environment for my staff is much improved, and just overall more pleasant to be in. I intend to use ClariFly long term now in my facility.”



The traps above, collected from Room 1B after each of the study's first four weeks, show the clear reduction in fly populations after implementing ClariFly® Larvicide 267.

ClariFly® Larvicide is a feed supplement featuring an active ingredient that prevents nuisance flies from developing in and emerging from the manure of treated swine. It is easily formulated into swine feeds, and is approved for use in complete feeds, concentrates and premixes. Furthermore, ClariFly® Larvicide is available from many feed manufacturers or micro ingredient suppliers.

Unlike conventional insecticides that attack the nervous system of insects through direct toxicity, ClariFly® Larvicide works by interrupting the fly's life cycle. When mixed into swine feed, it passes through the pig's digestive system and disrupts the normal molting process of fly larvae, preventing the emergence of adult flies. According to the EPA, the active ingredient in ClariFly® Larvicide poses a low risk to human health and the environment, and has low potential for groundwater contamination.

For more information about ClariFly® Larvicide and other livestock fly-control solutions, visit [www.CentralFlyControl.com](http://www.CentralFlyControl.com) or [www.StarbarProducts.com](http://www.StarbarProducts.com).

