

Jennifer Jones

Junior Division Engineering

Catching the Musca domestica: A Study of the Common House Fly and Trapping It with a Biodegradable, Eco-Friendly, and Non-Hazardous Fly Trap

Is it possible to create a trap for the common house fly that will not be ugly or harm the environment? In the summer it is very nasty with all the flies around the farm. We usually use the hanging fly strip and it grosses us out in the kitchen looking at it. Then my cat gets his tail caught on it or anyone standing near it gets their clothes or hair caught! Since I support recycling and taking care of the environment a trap to catch flies that would be environmentally friendly, biodegradable and aesthetically appealing would be great. I will need to hatch fly pupae for the specimens to test, research and test substances to get a sticky substance that can hold onto a fly and not let him go. Next, I will need to find out what a fly is attracted to. Once I have this information I can put together the information to try to create a fly trap. After experimenting I found out that I couldn't create a good glue to hold onto the flies feet because it was not strong enough or it would dry too soon. I did find a green product I was able to order on the internet that worked. I also found out that flies are attracted to different colors. My results proved that my glue disks(fly trap) actually worked better than the fly strips we used at home.