

Abstract

Don't Eat Flies

The purpose of this experiment was to find out which type of homemade fly traps with different liquid baits in them will catch the most flies. The hypothesis was that if the liquid baits are changed, then the corn syrup bait will capture the most flies.

The experimental procedure consisted of taking Gatorade bottle caps off, cutting off 2 ½ inches off the top, and flipping the tops and putting them in the bottles. Use a measuring cup to fill bottles with forty milliliters of each liquid. Put them in a backyard, and collect data for seven days. The manipulated variable was the four baits used: corn syrup, maple syrup, honey, and the control group; store bought fly trap. The responding variable was how many flies got captured in the traps. To measure the responding variable, the flies that were caught were counted.

The experimental results were that maple syrup caught the highest amount of flies. An error that was made was not all of the traps were put into the same amount of sun which could have made those placed in the sun more attractive. The hypothesis was not supported.

This experiment will benefit society by getting rid of flies in homes, which also carry diseases, and by making a more cost effective fly trap. In the future, the fly traps would all be put in a place where they get the same amount of sun, and sugar water would be made a new bait.