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Worms, Worms, Worms

The purpose of this project is to calculate the mortality of earthworms due to different concentrations of fertilizer (miracle gro) in the soil. The researcher hypothesizes that in a high concentration of Miracle Gro (2 tsp. Miracle Gro/1 gallon of water) the worms will die because the excess fertilizer used will create a toxic environment. The researcher took 24 worms and split them into four separate bags and put Miracle Gro into three 1000mL graduated cylinders with two teaspoons to the high, one teaspoon to the medium, and one and one half to the low, then the researcher added 100mL from each graduated cylinder and repeated this step for four weeks. This hypothesis was disproved because all the worms did not die in the high concentration. It was determined that all the worms in the medium concentration died and the low concentration all the worms survived. In the high concentration only one worm died and in the control two died.