

Alex Huerta

*To Aerate or Not to Aerate: That Is the Question?*

The purpose of this investigation was to determine if different types of fertilizer (Natural, Scott's, and Fertilixir) made a difference of the permeability on grass. I hypothesized that the Fertilixir fertilizer would be best. This experiment included adding different fertilizers (natural, Scott's, and Fertilixir) to the soil and measuring the permeability. The control was no fertilizer. The permeability was measured by how many seconds it took for the water to come through the container. Based on evidence, it is reasonable to conclude that the commercial fertilizer and the Fertilixir were the best options to create a permeable lawn, because the commercial fertilizer, on average, had an increase in permeability of the soil by 3.01% when compared to the Fertilixir fertilizer, 24.69% when compared to the natural fertilizer, and 42.77% when compared to the control.