

Fiona Miller
Is Green Really Green, or Is It Brown?

The purpose of my science project is to test how effectively chemical herbicides work compared to home- method herbicides. I bought ten weeds from a floral and watered them for a few days, then sprayed them with the herbicides for exactly eight days (they just sat around for one extra day because I ran out of time to conduct project). The data I collected showed that Roundup #1 had an average height of 4.25 inches, Roundup #2 had an average of 5.09", Bleach #1 had an average of 4.12", Bleach #2 had an average of 4.25", Vinegar #1 had an average of 4.06", Vinegar #2 had an average of 3.81", Salt Water #1 had an average of 4.31", Salt Water #2 had an average of 4.43", Control #1 had an average of 3.93", and Control #2 had an average of 4". According to the data of the number of leaves marked by the herbicides, bleach was the most effective chemical herbicide, since it had an overall average of 81.91% of its leaves being marked. This is 53.41% more than the overall average of the control plants, which was 28.5%. Vinegar was the most effective home- material herbicide, with an overall average of 37.9%, which is 9.4% more than the control plants. The second most effective herbicide was the Roundup, with an overall average of 41.55% (13.05 more than the control), and in last was the salt water, which had an overall average of 30.65%, only 2.15% more than the control.