You are conducting an experiment to find the best herbicide to use for promoting growth of corn. The treatments are three different kinds of herbicide and one control treatment (water), each applied to a field (replicated plot) of corn. The response variable is the yield (weight) of corn.

Is there a significant effect of treatment on the yield of corn? If so, which treatments are significantly different from each other? Make sure to format your answer like this was the results section of your thesis. Include at least one high-quality figure that demonstrates the results.