

Carefully read the description of the experiment below. Be prepared to answer the questions that follow the design description as a class quiz.

A researcher in Horticulture is studying the effect of soil amendments on the growth of landscape trees. The researcher wants to compare the effect of biostimulants or humates (humate 100g, humate 200g and liquid humate) against other alternatives (a soil control, compost and peat). Six Washington hawthorn bare-root seedlings were randomly assigned to pots containing each of the biostimulants (36 pots in all). The researcher is interested in assessing the effect of the various biostimulants by comparing the mean stem mass after one growing season (May to September). What type of analysis would be best for this experiment?

