CALIFORNIA SCIENCE & ENGINEERING FAIR
2019 PROJECT SUMMARY

Name(s)

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Project Number

S1803

Project Title

Does Gibberellic Acid Affect Pea Plant Growth?

Abstract

Objectives

The objective of this project is to find the most suitable quantity of gibberellic acid to create the most growth in snow pea plants.

Methods

Gibberellic acid (powder form), digital scale, snow pea plant seeds, distilled water, isopropyl alcohol, graduated cylinder, eyedropper, and ruler. Administer incremental drops of gibberellic acid to the assigned plants daily and measure plant growth weekly.

Results

Overall, five drops of gibberellic acid results in the most growth after 3 weeks. This indicates that five drops increases pea plant growth the most.

Conclusions

The results of this experiment indicate that as you increase the amount of gibberellic acid, the growth rate increases. This project aids in the discovery of the most useful amount of gibberellic acid for plant growth.

Summary Statement

We showed how different quantities of gibberellic acid increased snow pea plant growth.

Help Received

We designed and performed the experiment ourselves.