

Fast Plant Simulation Programs

Web Addresses

All Simulations can be reached using:

<http://www.fastplants.org/genetics>

Standard simulator used for constructivist lab

Two Trait Plant Genetics: You can perform genetic crosses of Fast Plants using two traits. There is no depiction of chromosomes or genotypes, so students have to develop this concept for themselves. This simulation allows students to test genetic models created in the classroom.

<http://www.fastplants.org/genetics/garden2/garden.html>

Simulator with chromosomes and traits illustrated - tutorial for post lab review

You can perform genetic crosses of Fast Plants using four traits. This simulation displays chromosomes and genotypes on the introductory page. Java console can then be used by students or teachers to examine the genotypes of each plant.

<http://www.fastplants.org/genetics/garden3/garden.html>

Plant Growth Simulator - not used in this project

You can change the amount of nutrition given to the plant and observe its growth.

<http://www.fastplants.org/genetics/grow/grow.html>