

# The effects of sucrose on C. elegans population

## Purpose

to study the effect of sucrose on the rate of population growth in C. elegans.

## Results

- control: typical rate of population growth
- 0.1%: moderately increased rate of population growth
- 0.5%: extremely increased rate of population growth

## Procedures

- pour control, 0.1%, and 0.5% sucrose plates
- chunk 1 cm N2 wild type C. elegans onto each plate
- observe and compare the results

## Analysis

- the addition of sucrose results in a noticeable increase in population growth
- swarms of C. elegans were observed around areas where sucrose was present