



# Guru Nanak Sikh Academy

## Brunel University of London

# How does pH level in the soil affect the growth and yield in strawberries?

### Why have we asked this question?

As the climate changes, the growth and yield of some fruit plants such as strawberries are affected and these changes can impact the type of strawberries available and the times in the year when they grow. Although strawberries prefer slightly acidic soil (5.3 to 6.5), other environmental factors such as temperature, moisture and light can play a crucial part in its growth and taste.



### What's next?

Honeoye (*Fragaria ananassa*) strawberries will be grown in identical soil compositions, temperature and light conditions inside a polytunnel. Conditions will be maintained by a microcontroller (Arduino). The only variable to be manipulated is the pH level of the soil. We will try to find the optimum pH level for strawberries and its impact on the taste.