

## **Lesson 14: Sampling in a Fair Way**

## **Cool Down: Sampling Spinach**

A public health expert is worried that a recent outbreak of a disease may be related to a batch of spinach from a certain farm. She wants to test the plants at the farm, but it will ruin the crop if she tests all of them.

1. If the farm has 5,000 spinach plants, describe a method that would produce a random sample of 10 plants.

2. Why would a random sample be useful in this situation?