

Investigating nutrient release from 'Slow-release' fertilisers

Teacher and technician sheet

Equipment and materials

Each student or pair of students may require some of the following:

- 250 cm³ conical flasks
- Conductivity meter
- Thermostatically controlled water bath
- Pestle and mortar
- Tea bags (empty)
- Visking tubing
- Ammonium sulfate
- Urea
- Sulfur
- Candle wax
- Compost or soil

Note

Students are encouraged to devise their own approach to this open-ended investigation. This may mean that they require equipment and materials in addition to those listed above.

Take care to avoid inhalation of dust/spores from fertilisers, work in a well-ventilated lab.