

Solutions

Each answer shows the steps, then the **result**.

2.1

- Drip irrigation

2.2

- Build-up of salts in the soil as irrigation water evaporates

2.3

- Over-watering that saturates the soil

3.1 C

- drip irrigation

3.2

(a)

- The water evaporates and leaves dissolved salts in the soil; repeated over years, salts build up and reduce fertility

(b)

- Drip irrigation — it delivers water to the roots with little evaporation, so less salt is left behind and less water is used

3.3

- Waterlogged soil has no air spaces, so roots cannot get oxygen and the plant suffocates/dies