

Solutions

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

2.1

- Any two: high-yield seeds, synthetic fertilizers, pesticides, irrigation, mechanization

2.2

- It greatly increased food production / reduced famine

2.3

- Growing a single crop over a large area

3.1 B

- destroy the entire crop

3.2

(a)

- Benefit: much more food; cost: any one of soil degradation, water pollution, high water/energy use, loss of diversity

(b)

- Excess fertilizer runs off into water, adding nutrients that cause algal blooms and eutrophication

3.3

- With genetically similar plants over a large area, one pest or disease that can attack it can spread and wipe out the whole crop