

Solutions

2.1 B Distinguish total yield from yield per area and energy input. Sustainable management must consider regeneration rates and impacts beyond the farm boundary. Different stakeholders may rank food security, biodiversity and income differently.

2.2 yield per area= $28/7=4\text{t/ha}$.

2.3 False. A high yield is not proof of long-term soil health. Renewable resources can be depleted when use exceeds regeneration.

2.4 erosion. erosion means Removal and transport of soil or rock.

3.1 Yields 4 and 3 t/ha; second total is larger. Inputs, soil, water, biodiversity and timescale are missing. Yield is only one criterion.