**1** They are used to supply the three elements to the soil: nitrogen (N), phosphorus (P) and potassium (K).

**2** a nitrogen

b nitrogen

c potassium

**3** magnesium

**4** formula mass of NH4NO3 = (2 × 14) + (4 × 1) + (3 × 16) = 80

% N = (28/80) × 100 = 35%

**5** The potassium nitrate also supplies potassium to the soil.