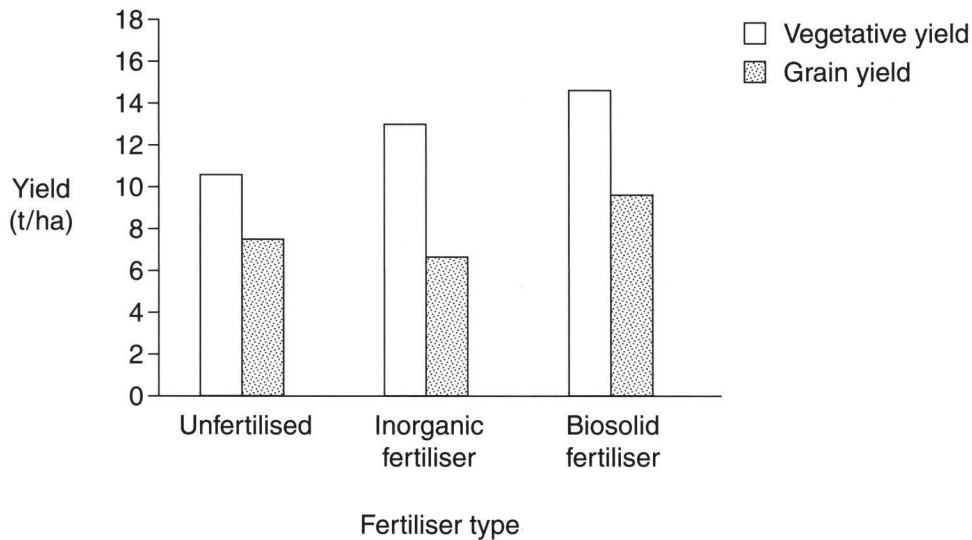


Question 25 (7 marks)

Digested 'biosolid' (the solid residue produced from effluent) is being applied as a fertiliser as an alternative to inorganic fertilisers.

A study was carried out to investigate the effects of biosolid fertiliser on the growth and grain yield of maize. The level of vegetative yield (t/ha) and grain yield (t/ha) are shown.



- (a) Explain why the grain yield from the application of inorganic fertiliser differed from that of the control. 3

The inorganic fertiliser grain yield was lower than that of the control. This can indicate that the inorganic fertiliser does not work well with the grain yield, causing less production.

Question 25 continues on page 18

Question 25 (continued)

- (b) Explain why a maize producer may decide NOT to use biosolid fertiliser.

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The biosolid fertiliser may not ~~be~~ have as much a benefit on his crop compared to ~~the~~ ^{the} price of the fertiliser. An evaluation of the product may find that the benefits are not worth it.

End of Question 25