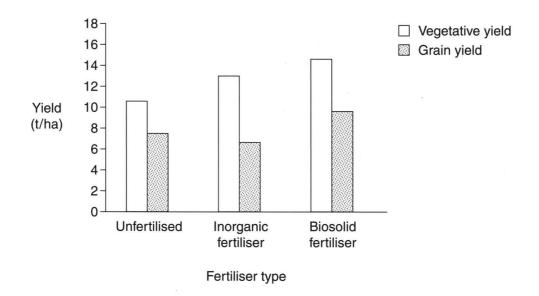
3

## **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.

Re grain yield had differed as the control had no additional fertilisers added to it where as inorganic was added to the other one. Rere may have been additional fertiliser added the the inorganic resulting in a lower yield. Inorganic fertiliser may have been added at different rates disripting the growth of some cresulting in higher yield of the control

Question 25 continues on page 18

## Question 25 (continued)

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

A mate producer may not decide to use hookolid fertiliser as shown in the results to the other experiment alid not benefit the grain yield as mater is fart of the grain fearly.

It may also cost the famer more to add biosolid fertiliser then what he is getting out of the yield. As there is seen to be more vagetative to composed to the actual grain as it benefits he usgetative side of the grain where the famer doesn't won't any of that only the grain.

End of Question 25