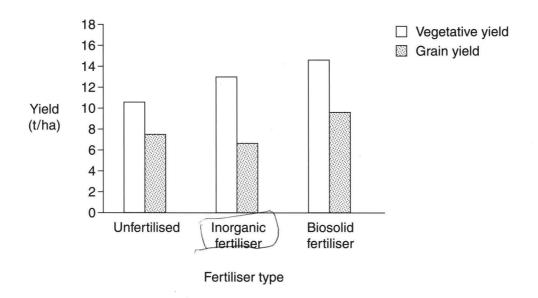
3

## **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.

Inorganic factiliser. Such as recorded 3housed

less Than the unfetilised trial. This

may be due to the readily avoiable nativents which

were depleted quickly during the Expertetive

State of growth of the Plant did deplete these

nutrients during inital growth, the worder't have been

evally noticents avoidable for Reproductive State to remost/looching

Question 25 continues on page 18

## Question 25 (continued)

(b)	Explain why a maize producer may decide NOT to use biosolid fertiliser.	4
	Blosolid factilises may be very expensive	
	\$ 44 faire cannot Justafy using a more	
	expensive fortilises. Also if the maize produce	
	was use a broad-acre farar, it the application	
	method may not be suitable for a	
	large granages Organic fetilier are minels was used	
	for intensive forming & Smeller accepes. If It	
	1) esse of noe sustifyable to ye a horason ino	rganic
	feetlise, due to its easy ability of being spreed, a f	aw
	may fuctor to use this.	
End of Question 25		