
Question 21 (7 marks)

- (a) What is meant by the term *ecologically sustainable food production*? 2

This means a company ~~is~~ using production methods ~~and~~ packaging and waste management solutions that the environment can sustain for long term use. For example ~~is~~ implementing recycling, using biodegradable packaging, pesticide/residue free farming and restricting water/energy use and noise, air and environmental pollution.

- (b) Discuss the use of genetically modified crops in food production. 5

The use of genetically modified crops is enticed to create a product that provides the upmost nutritional ~~and~~ ~~proce~~ value and ~~provides~~ ^{meets} consumer wants to maximise a company or the food industries profits ~~to~~ both internationally ~~and~~ through exports and in Australia. The use of genetically modified crops eg seedless watermelon, is controversial as some believe it is unnatural to use additives or chemical processes, to change food growth in farming as it goes against nature's way whilst many in the industry and benefitting consumers believe it is a positive new technology as it provides this high quality and purposeful ~~product~~ product, for example protein enriched beet crops.