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## Sample Assignment: Unit 15 Applications of Biotechnology

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### ASSIGNMENT BRIEF

<b>Unit Name:</b> Applications of Biotechnology	<b>Unit Number:</b> 15
<b>Assignment Title:</b> Genetically Modified Food	<b>Assignment Number:</b> 15.1
<b>Date Set:</b>	<b>Due Date:</b>
<b>Assessment Objective(s):</b> AO2a	
<b>Brief:</b> <p>There is a large amount of information available on the advantages and disadvantages of using DNA technology in the production of food plants. It is important to appreciate that each source is likely to have a bias. Your brief is to research the topic thoroughly to collect a range of views. You should consider each, analyse the content and draw your own conclusions. The sources should be referenced. The main aim is to establish your own position having considered the evidence and the views of others. The outcome should be a result of informed decisions not merely a biased view.</p>	

**Task:**

**Carry out your research using several different sources and write a report that assesses the impact on society of the production of genetically modified food plants.**

The report should include:

- An outline of the techniques used in the genetic modification of food plants
- A description of how successful recombinant DNA technology is in solving problems associated with food production
- Description of two specific examples
- A list of the benefits gained from using DNA technology
- Conclusions on overall benefits
- Evidence of the evaluation of the two specific examples
- Clearly referenced evidence
- A summary of the main findings
- An outline of the impact of the production of GM food plants on society.

**Max marks possible for this task: 5**

**Resources:**

- Relevant paper and electronic based material.