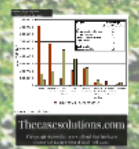
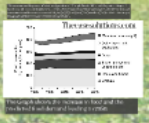


# Sustainable Agribusiness Investment (B): Syngenta's Challenge

## Thecasesolutions.com

**Demand for Agriculture**  
Thecasesolutions.com

The human population is increasing and so is the amount of food we consume, each year food consumption increases to 29 per person. People no longer eat starchy staples, fat but rather have changed their diet to fats, proteins, and sugars. In fact less than half of the global grain we produce is directly consumed by humans, this is because the rest goes to feed farm animals. However, factory farms are using more than they can produce, considering the fact that animals are being fed high of plant products, but only producing less of animal products, this also means other people are getting less food.



**Threat to Agriculture**  
Thecasesolutions.com

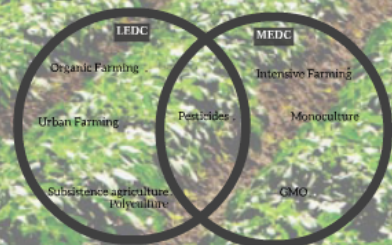
With a few years, problems associated with crop production will be more significant. The amount of food we produce is not enough to feed the growing population. The amount of food we produce is not enough to feed the growing population. The amount of food we produce is not enough to feed the growing population.

**Benefits of Agriculture**  
Thecasesolutions.com

During my interview with farmers and scientist, I found some positive impacts of agriculture. One of the benefits of agriculture is that it provides food for people and animals. It also provides jobs for people. It also provides a source of income for people. It also provides a source of food for people. It also provides a source of food for people.

**MEDC & LEDC**  
Thecasesolutions.com

LEDCE countries use more traditional agricultural methods which are less intensive. However, the productivity per acre is low. MEDC countries use more intensive agricultural methods which are more productive. However, the productivity per acre is high. MEDC countries use more intensive agricultural methods which are more productive. However, the productivity per acre is high.



**Rolltop Farming**  
Thecasesolutions.com

Rolltop Farming is a new agricultural method that uses a rolling mechanism to plant seeds. It is more efficient than traditional methods. It also reduces the amount of water and fertilizer used. It also reduces the amount of labor required. It also reduces the amount of time required to plant seeds.

**SkyGreen**  
Thecasesolutions.com

SkyGreen is a new agricultural method that uses a vertical farming system. It is more efficient than traditional methods. It also reduces the amount of water and fertilizer used. It also reduces the amount of labor required. It also reduces the amount of time required to grow crops.

**Pasona 02**  
Thecasesolutions.com

Pasona 02 is a new agricultural method that uses a precision farming system. It is more efficient than traditional methods. It also reduces the amount of water and fertilizer used. It also reduces the amount of labor required. It also reduces the amount of time required to grow crops.

**Vertical Farming**  
Thecasesolutions.com

Vertical Farming is a new agricultural method that uses a vertical farming system. It is more efficient than traditional methods. It also reduces the amount of water and fertilizer used. It also reduces the amount of labor required. It also reduces the amount of time required to grow crops.



**Thecasesolutions.com**

Identify the environmental impacts and problems caused by modern agricultural practices.

Compare and contrast the agricultural methods used and their impacts in a MEDC & LEDC.

Analyse the effectiveness of new initiatives designed to reduce the environmental impact of farming

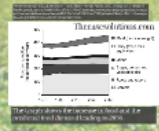


# Sustainable Agribusiness Investment (B): Syngenta's Challenge

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**Demand for Agriculture**  
Thecasesolutions.com

The human population is increasing and so is the amount of food we consume, each year food consumption increases 0.2% per person. People no longer eat staple staples, but instead have changed their diet to fats, proteins, and sugars. In fact less than half of the global grain we produce is directly consumed by humans, this is because the rest goes to feed farm animals. However factory farms are using more than they can produce, considering the fact that animals are being fed akg of plant proteins, but only producing akg of animal proteins, this also means other people are getting less food.



**Through the system**  
Thecasesolutions.com

With the human population increasing, farmers are going to have to use more land. However, whether the practice is organic or intensive, it will require more land. The casesolutions.com website provides a detailed analysis of the environmental impacts of different agricultural practices, including the use of pesticides and fertilizers. It also highlights the need for sustainable farming practices to ensure that we can meet the growing demand for food and feed in a way that is environmentally friendly.

**Benefits of Agriculture**  
Thecasesolutions.com

During my interview with farmers and scientists, I found some positive impacts of agriculture. Some of the benefits of agriculture is that it reduces CO2 levels, it provides habitats for wildlife and native plants when managed well. It can also produce plants that are used for medical purposes. The most exciting part is when you directly seed into the soil, this has increased the soil organic matter and carbon sequestration. It also helps the economy and supplies jobs for people. In the US agriculture is a major industry, and there is a lot of research being done to improve it. The casesolutions.com website provides a detailed analysis of the environmental impacts of different agricultural practices, including the use of pesticides and fertilizers. It also highlights the need for sustainable farming practices to ensure that we can meet the growing demand for food and feed in a way that is environmentally friendly.

**Soil Fertilizer**  
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**MEDC & LEDC**  
Thecasesolutions.com

LEDC countries use more traditional agricultural methods which are less harmful to the environment. However, the productivity per unit of land is lower. The MEDC have very high productivity but use more harmful pesticides and fertilizers. The casesolutions.com website provides a detailed analysis of the environmental impacts of different agricultural practices, including the use of pesticides and fertilizers. It also highlights the need for sustainable farming practices to ensure that we can meet the growing demand for food and feed in a way that is environmentally friendly.



**Rooftop Farming**  
Thecasesolutions.com

Rooftop farming is a sustainable agricultural practice that involves growing crops on the roofs of buildings. This practice can help reduce the environmental impact of farming by using less land and water. The casesolutions.com website provides a detailed analysis of the environmental impacts of different agricultural practices, including the use of pesticides and fertilizers. It also highlights the need for sustainable farming practices to ensure that we can meet the growing demand for food and feed in a way that is environmentally friendly.

**SkyGreen**  
Thecasesolutions.com

SkyGreen is a sustainable agricultural practice that involves growing crops in a controlled environment. This practice can help reduce the environmental impact of farming by using less land and water. The casesolutions.com website provides a detailed analysis of the environmental impacts of different agricultural practices, including the use of pesticides and fertilizers. It also highlights the need for sustainable farming practices to ensure that we can meet the growing demand for food and feed in a way that is environmentally friendly.

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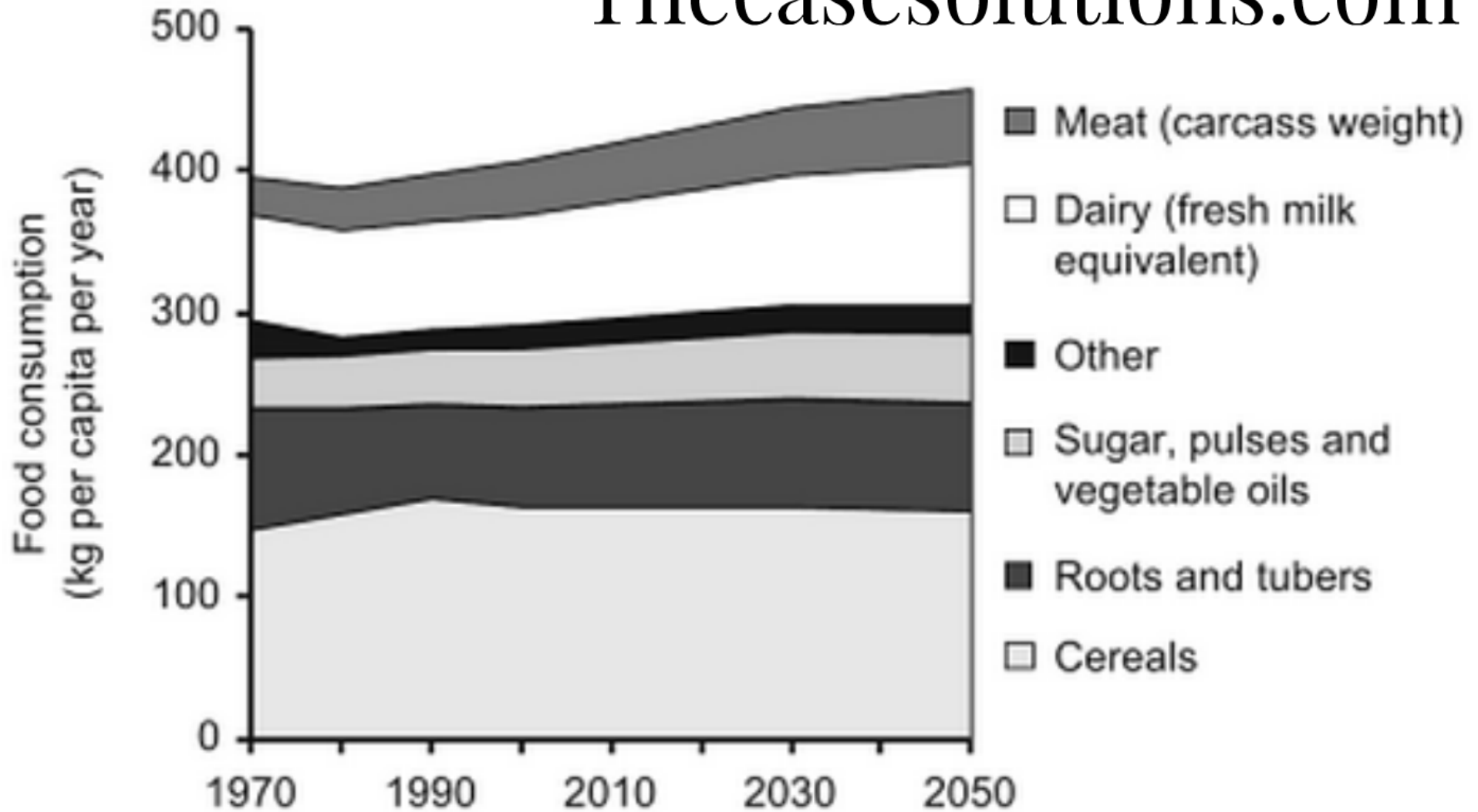


## Demand for Agriculture

[Thecasesolutions.com](http://Thecasesolutions.com)


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# Thecasesolutions.com



The Graph shows the increase in food and the predicted food demand leading to 2050.





supplies jobs for people, in the US agriculture supplied 793,900, and this was in the non-farming part of it. Best of all agriculture creates a pleasant environment, filled with green nature. However my research shows that majority of the impacts are negative.

[Thecasesolutions.com](http://Thecasesolutions.com)

Identify the environmental impacts and problems caused by modern agricultural practices.



## Benefits of Agriculture

Thecasesolutions.com

During my interviews with farmers and scientist, I found some positive impacts of agriculture. Some of the benefits of agriculture is that it reduces Co2 levels, it provides habitats for wildlife and native plants when managed well. It can also produce plants that are used for medical purposes. The new seeding practice where you directly seed into the last crops, has increased the soil organic matter and carbon sequestration. It also helps the economy and supplies jobs for people, in the US agriculture supplied 793,900, and this was in the non-farming part of it. Best of all agriculture creates a pleasant environment, filled with green nature. However my research shows that majority of the impacts are negative.

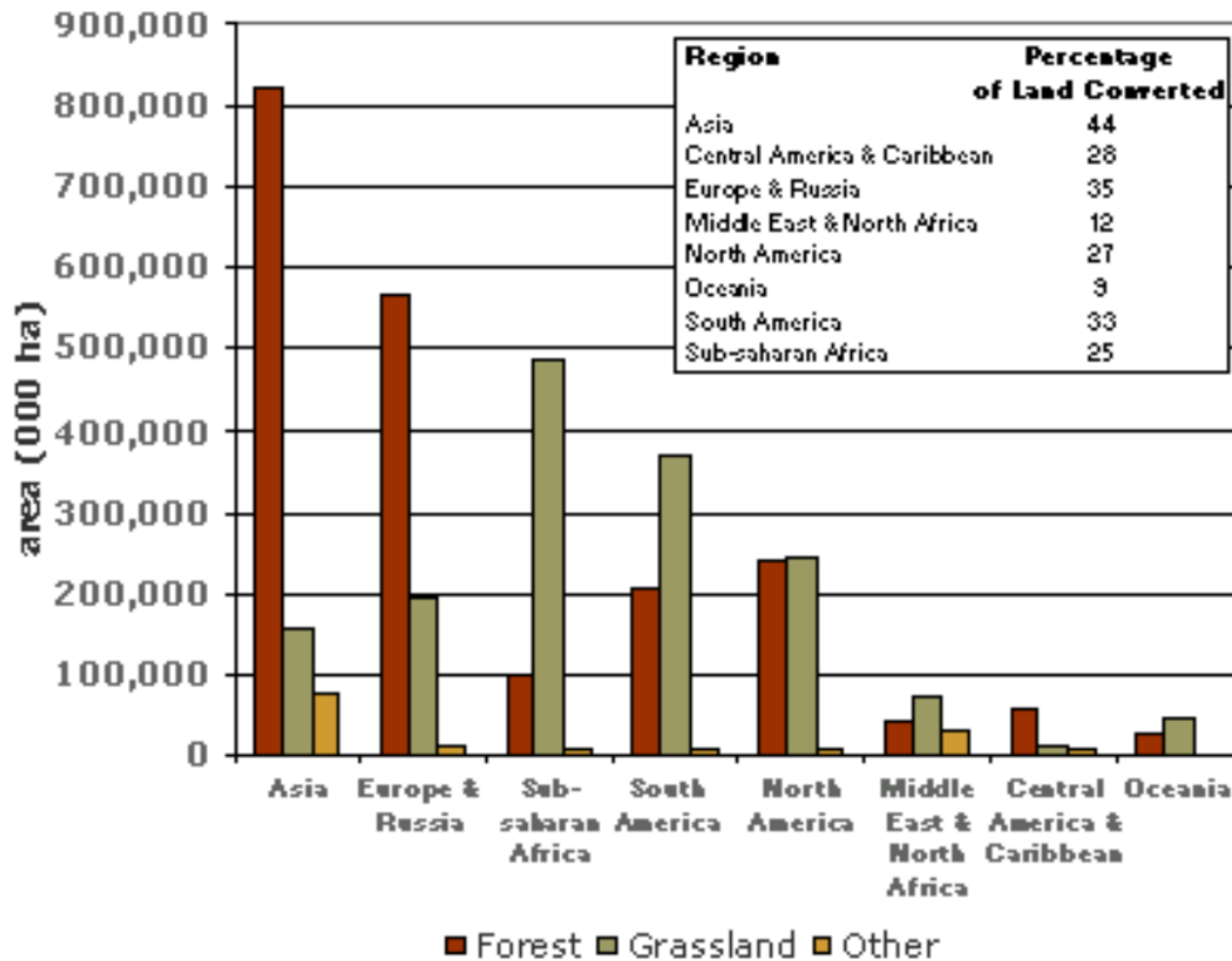


## Threat to Ecosystem

Thecasesolutions.com

With the human population increasing farmers must grow crops to meet the rising food demand. However to increase the amount of crops produced we need more farmland, which can lead to deforestation and animal habitats being cut down or burnt. So far 38% of the world is covered by farmland, and the area is still expanding. Each year 12 million hectares of land is lost to degradation and it is predicted in 2050 more than 120 million hectares of natural habitat in developing countries will be covered in farmland, to meet the food demand. 80% of deforestation is caused by agriculture and from 1967 to 2007 there was an 8% increase in land used for agriculture. By destroying habitats we are threatening the ecosystem and many species, which could become endangered. We are also threatening the biodiversity in the area by using farming methods like monoculture.





Source: WRR calculations.

# Thecasesolutions.com

This graph shows the acres of land that has been converted to agricultural land, till 2000.



## Soil Erosion

Thecasesolutions.com

Every year 24 billion tons of soil is lost to erosion, this is because farmers plow their fields leaving the soil bare and an easy target for elements such as rain and wind. These elements cause the soil to be swept into rivers or lakes, leaving no vegetation left on land. With no soil left to absorb the water and bad drainage systems will than lead to floods. The sediments also has an impact, as it damages the freshwater & Marine habitat. Since the 1960, 1/3 of the world's farmland has been lost by either erosion or degradation, that is 10 hectares of land lost each year.