

Climate change and its impact on Global Food security

1 - Introduction

a - Climate change may threaten 20% global yield by 2050

b - What is climate change and how it impact food security

c - Thesis statement

2 - Impact of Climate change on Global Food security

2.1 - Disrupt global supply chains

2.2 - Loss of agricultural productivity

2.3 - Exacerbate temperature rise.

2.4 - Change weather patterns and yield loss

2.5 - Loss of livelihood and income

2.6 - Increase inflation and rising cost

2.7 - Reduce crop production

2.8 - Increases wastage and pest spread

2.9 - Exacerbate nation insecurity toward shortage of food

2.10 - Intensify competition and migration patterns in food insecure areas

3 - Ways to Make Global Food Security Compatible to Climate change

- 3.1 - Incentivise climate smart agricultural practices.
- 3.2 - Shift to effective water management practices.
- 3.3 - Adoption of hybrid seed for better yield
- 3.4 - Operationalize early warning System.

4 - Conclusion

The World Food Program notes that by 2050 climate^{change} may exacerbate and threaten global yield by 20%, which will exacerbate malnutrition and hunger in developing and low middle income countries (LMICs). This shows ~~the~~^a co-relation phenomena is occurring; whereby, a one percentage increase in climate change manifold global food insecurity. This is because it disrupt global supply chains, increases cost push inflation and lead to loss of livelihood and income. Similarly, rise in temperature leads to loss of agricultural productivity and yield loss. This increases ~~the~~ crop wastage and intensify shortage of food which in turn heighten national insecurity. Moreover, it affect migration patterns and intensify

for scarce resources
Competition among climate vulnerable
communities. This mandate that climate
smart agricultural practices must be adopted
for effective and efficient yield. Similarly,
effective water management and hybrid
seed adoption can ensure resilient yield.
Hence, this essay will articulate on ways
climate change is threatening global
food insecurity and what practices and
governance roles must be implemented to
ensure sustainable food security, for all.