

Climate Change and Agricultural Impact

Abstract:

This paper examines the effects of climate change on agricultural productivity. Our research shows that rising temperatures significantly impact crop yields.

Main Conclusion:

Climate change poses serious threats to global food security. Immediate adaptation measures are required to maintain agricultural productivity. Temperature increases of 1°C result in 5-15% yield reductions for major crops.

Key Findings:

1. Rising temperatures reduce crop yields
2. Changing precipitation patterns affect growing seasons
3. Extreme weather events damage agricultural infrastructure
4. Adaptation strategies can mitigate some impacts

Recommendations:

- Develop drought-resistant crop varieties
- Implement water conservation techniques
- Establish early warning systems for extreme weather
- Promote sustainable agricultural practices