

The necessity of, and resistance to climate adaptation in agriculture.

Outline

1. Introduction

Thesis statement: Agriculture sector is an important area for every country. The recent climate changes has increased the need of climate adaptation in agricultural sector. However, resistance towards adaptation has been observed globally and in Pakistan too.

2. Climate adaptation in agriculture.

3. Need of climate adaptation in agriculture sector.

3.1 - Adaptation is required to minimize crops damage in the future.

→ NDMA report → 2.4 m hectares of Pakistan crops have been destroyed in 2025 floods.

→ India suffered 371,000 acres of crops (Hindustan times)

3.2 Adaptation is required to decrease future food shortage.

2025 floods caused food threats to rice

cotton and sugar cane (NDMA)

3.3 Adaptation is required to improve soil water adaptation to avoid future floods.

A study by Basri et al., "Flood and their problems." (2022)

3.4 adaptation required to protect country's economy

\$1bn loss to Pakistan in 2025 due to floods in agriculture. (NDMA)

4) Resistance towards climate adaptation.

4.1 weak policy implementation.

National adaptation Plan, Green Initiative not implemented fully successfully.

4.2 Economic constraints of developing countries

4.3 Cultural and traditional resistance.

Status quo bias, cognitive inertia.

4.4 Technology gap between developed and developing countries.

Drip irrigation, IoT sensors to optimize water

5) way forward.

5.1 Improve implementation.

5.2 Capacity and awareness building

5.3 Taking funds from developed countries

6) conclusion.