



CLIMATE CHANGE

ENVIRONMENTAL & SUSTAINABILITY ISSUES

PERSPECTIVE OF THE HORTICULTURE
INDUSTRY IN KENYA



CLIMATE CHANGE



- 1. erratic weather patterns**
- 2. declining water resources**
- 3. Basic farming technologies**
- 4. food miles threats**
- 5. prevalence of pest and diseases**
- 6. Intervention**

Erratic Weather Patterns



1.unreliable production

2.crop failure

3. uncompetitive produce

intervention:

- simple water harvesting techniques
- irrigation with high water utilization efficient
- technology (greenhouse) using local material

Declining Water Resources



1.a pronounced effect of climate change in Kenya

- lake Naivasha 50% decline in area
- yatta canal water available one month

Intervention:

- regulation of water abstracted
- conservation of water catchment

Basic Farming Technologies



1. **technology that can't effectively mitigate effectively climate change**

intervention:

- Seed breed for harsh conditions
- irrigation with high water utilization efficient

Food Miles Threats



1. non tariff trade barrier

- carbon emission – 0.1% (UK) & 0.05 (us)
- natural conditions
- flown out in the hold of passenger flights

intervention:

- Donkey carts
- Shipping by sea
- lobbying



Pest and Diseases



1. reluctance to embrace biotechnology

2. lack of access to information

intervention:

- implementation of the biosafety bill
- accessibility of information smallholder

General Intervention



- 1. conserving the country's five major water catchments in a bid to mitigate the effect of climate change**
- 2. sensitization of communities**



Thank You!

