

# **Food Security**

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# **Food security**

**all people, at all times, have  
physical, social, and economic access  
to sufficient, safe, and nutritious  
food that meets their food  
preferences and dietary needs for an  
active and healthy life**

# **Food safety**

Food free from hazards as  
pathogenic bacteria viruses,  
parasites, physical and chemical  
hazards

# **food Nutrition**

Food must contain protein,  
fat, carbohydrates,  
vitamines and minerals

A family is food secure  
when its members do not  
live in hunger or fear of  
hunger

Food insecurity is often rooted in poverty and has long-term impacts on the ability of families, communities and countries to develop

Prolonged undernourishment  
stunts growth, slows  
development and increases  
susceptibility to illness

Today, more than 800 million people across the globe go to bed hungry every night, most of them smallholder farmers who depend on agriculture to make a living and feed their families



Growth in the agriculture sector -- **from farm to fork** -- has been shown to be at least twice as effective in reducing poverty as growth in other sectors

protect harvests from pests and disease

Food Security

**Equal**

reducing hunger, malnutrition  
and poverty around the world

**fighting hunger and  
strengthening food security  
by**

strengthen agriculture-led growth

Government agencies and departments, the private sector, civil society, researchers and universities, and partner governments

- Addresses the physical, biological, economic and socio-political - that limit food production and obstruct access to healthy diets

# **to satisfying global food needs:**

- Climate variability, and climate change
- Desertification and flooding
- Natural disasters
- Soil quality and threats to soils,
- food production, access, quality, and consumption.
- Nutrition, food quality and food safety.
- ability to satisfy global food needs:
  - Land, agricultural and food policy
  - International relations and trade
  - Access to food
  - **Wars as in Ukraine**
- Research to improve food security



**Hunger** is an individual-level physiological condition that may result from food insecurity.

helping families and individuals meet their need for a reliable source of quality food and sufficient resources to produce or purchase it. supports global stability. By addressing the root causes of hunger, increasing economic opportunity and growth among communities

# Factors affecting food security

**a changing climate, growing global population, rising food prices, and environmental stressors will have significant yet negative impacts on food security.**

**handling water, land use  
patterns, food trade,  
postharvest food  
processing, food prices  
and safety are urgently  
needed**

**Nutritional  
benefits of meat  
against the  
ecological costs  
of its production**

# **Building Local Capacity, Increasing Productivity, and Improving Markets and Trade**

Training small farmers on plant and animal health systems, risk analysis, and avoiding post harvest loss;

Completing assessments on climate change;

Increasing agricultural productivity

A Government-Wide  
Effort to Combat  
Global Hunger



# **Driving Innovative Research and Technologies**

**The COVID-19:** pandemic prompted social distancing, workplace closures, and restrictions on mobility and trade that had cascading effects on economic activity, food prices, and employment in low- and middle-income countries. **a person infected with COVID-19 is associated with food insecurity, job loss**

**civil war as in Ethiopia**

**Smarter policies for enhanced  
food security and food system  
outcomes**

**Genebanks** : contribute  
to poverty reduction as  
well as food and  
nutritional security

**food for all**

**Women's role for food security**

**Food crises**

**Food security and women's  
well-being**

**State nutrition profile**

Thank you