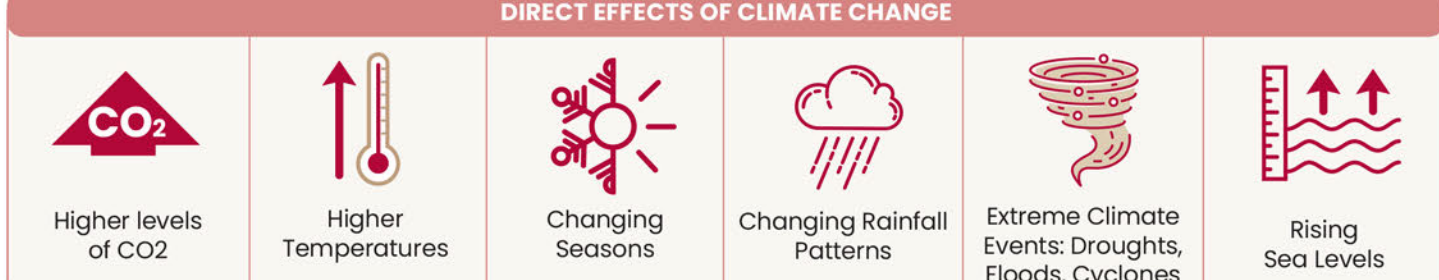


# GAIN Goes Green

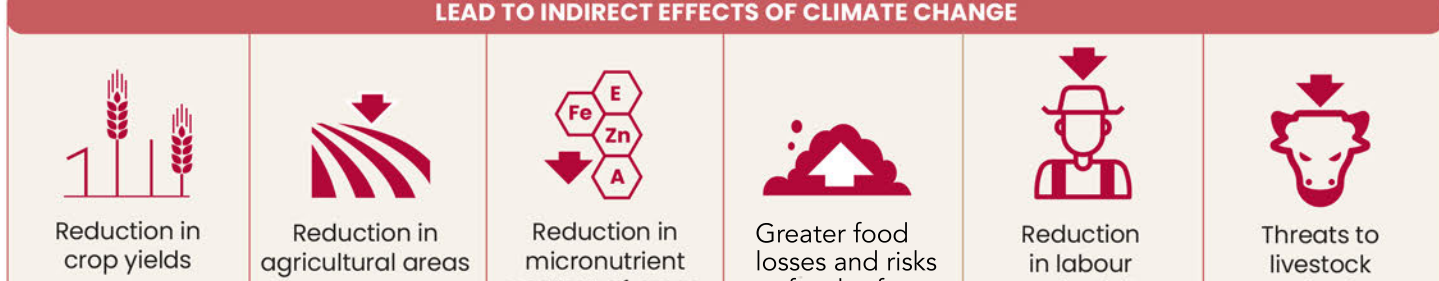


## Climate change: A threat to food and nutrition

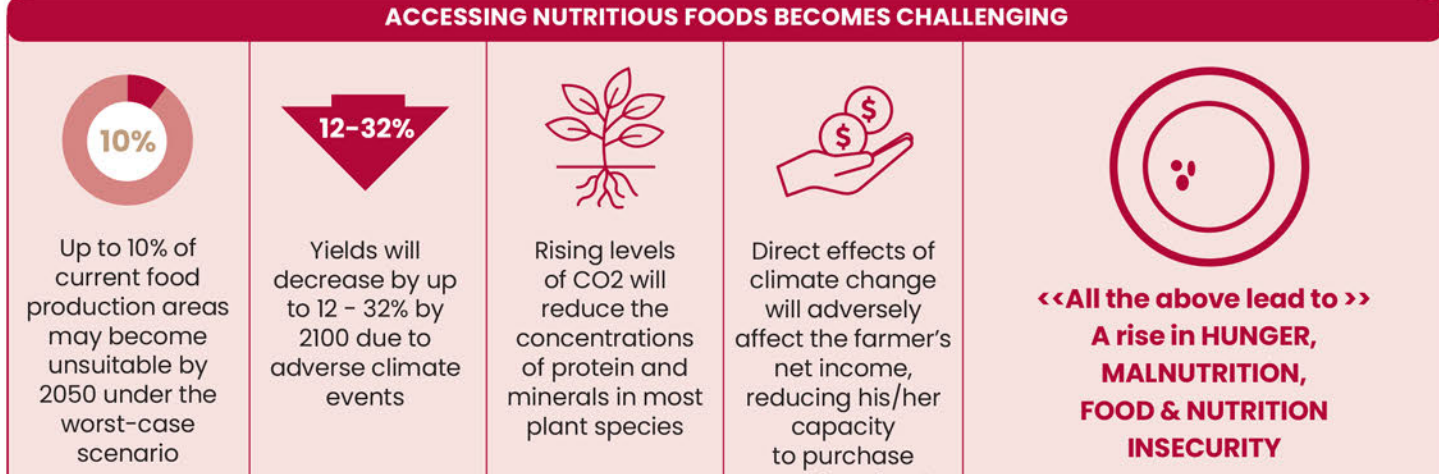
### DIRECT EFFECTS OF CLIMATE CHANGE



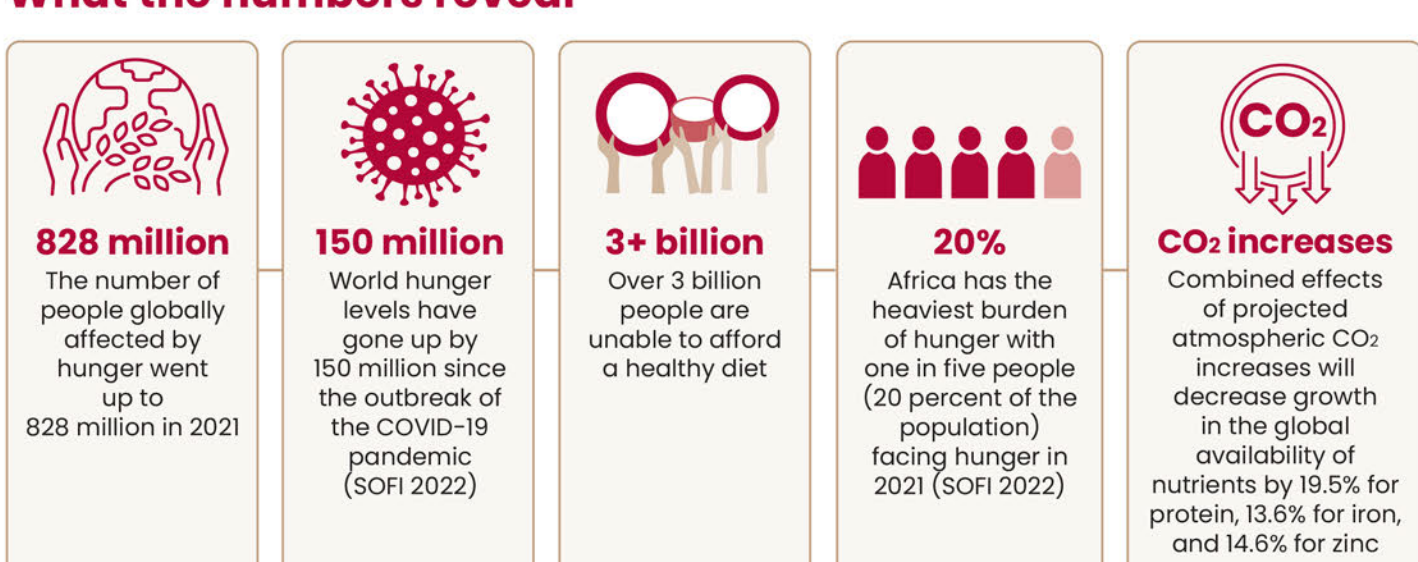
### LEAD TO INDIRECT EFFECTS OF CLIMATE CHANGE



### ACCESSING NUTRITIOUS FOODS BECOMES CHALLENGING



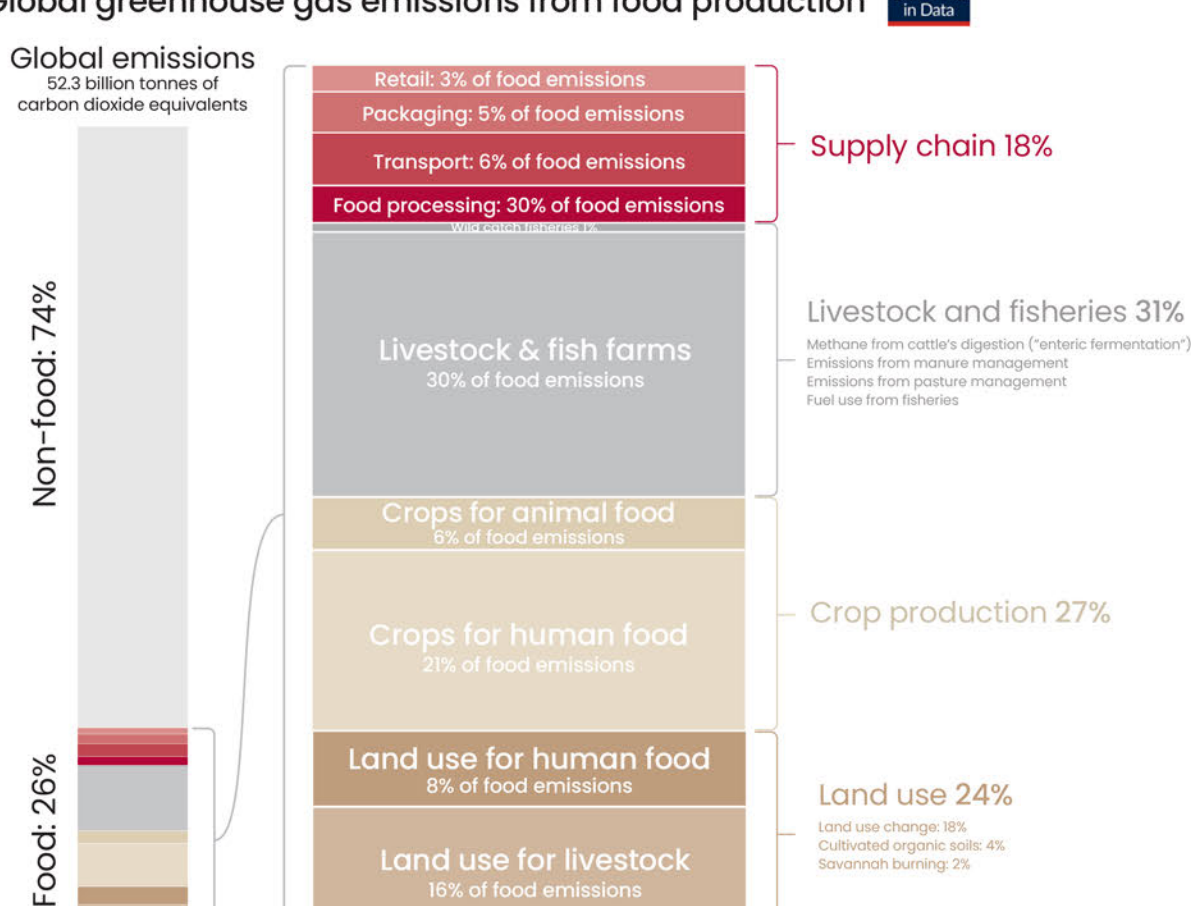
## What the numbers reveal



## Food systems impact climate change

**Did you Know:** Food Systems contribute approximately one third (21-37%) of anthropogenic Greenhouse Gas Emissions (GHGs)

### Global greenhouse gas emissions from food production



Land used for grazing and feed production for livestock accounts for **50%** of the total land used for agriculture

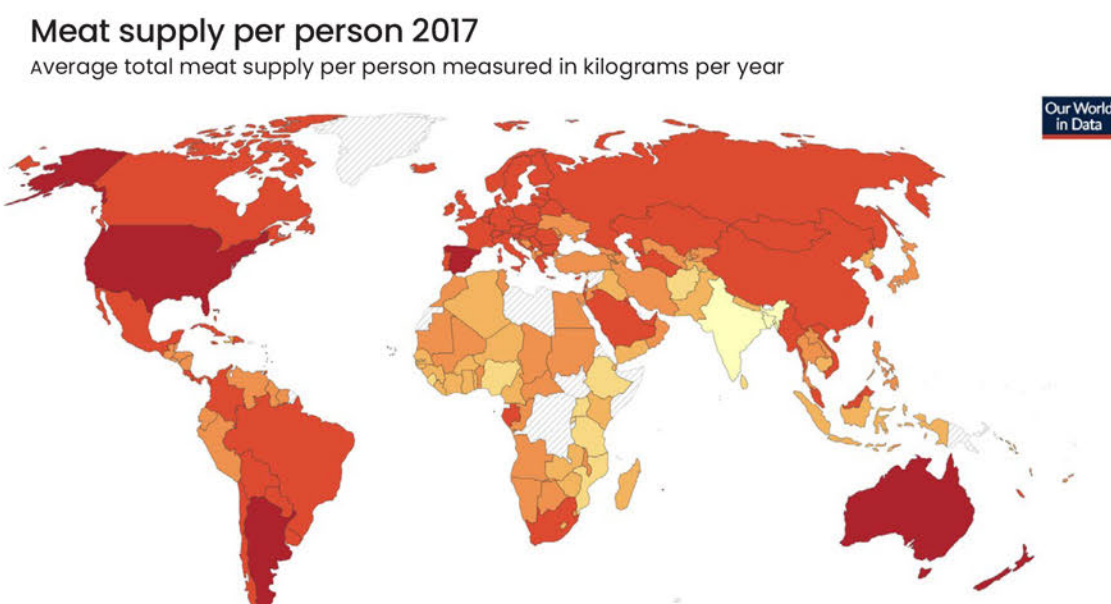


Animal-source foods, have a large environmental impact. Livestock contribute approximately **14-18%** of total greenhouse gas emissions from human activities, but consumption of animal-source foods is unevenly distributed worldwide

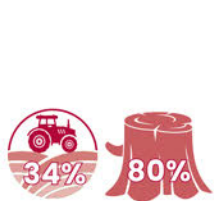


### Meat supply per person 2017

Average total meat supply per person measured in kilograms per year



Agriculture already uses **34%** of all land on the planet and drives an estimated **80%** of new deforestation



Oil and gas used through stages of food production, contribute to greenhouse gas emissions of the food system



**1/3** of all food produced globally is either lost or wasted



## Mitigation and adaptation in food systems



- Reduce greenhouse gas emissions associated with the production, distribution and consumption of food
- Increase food systems resilience to adapt to the effects of climate change

## GAIN x COP27

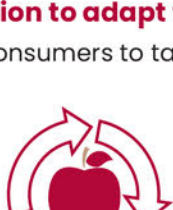
### We must take integrated action for nutrition to adapt to climate change

Call for governments, businesses, NGOs, and consumers to take action to advance both nutrition and climate goals in several key areas including:



**1.**

Ensure access to healthy and sustainable diets for all



**2.**

Reduce food loss and waste



**3.**

Support the diversification of the crops grown and consumed to help adapt to the effects of climate change and provide greater nutrition



**4.**

Ensure access and affordability of nutritious foods with low climate impacts



**5.**

Ensure integration of climate and nutrition goals and policymaking, supported by joined-up research and data



**6.**

Improve data for decision-making through global knowledge leadership and development of tools and resources such as the Food Systems Dashboard