SOIL SKY-

## **OF AGROECOLOGY VS INDUSTRIAL AGRICULTURE**

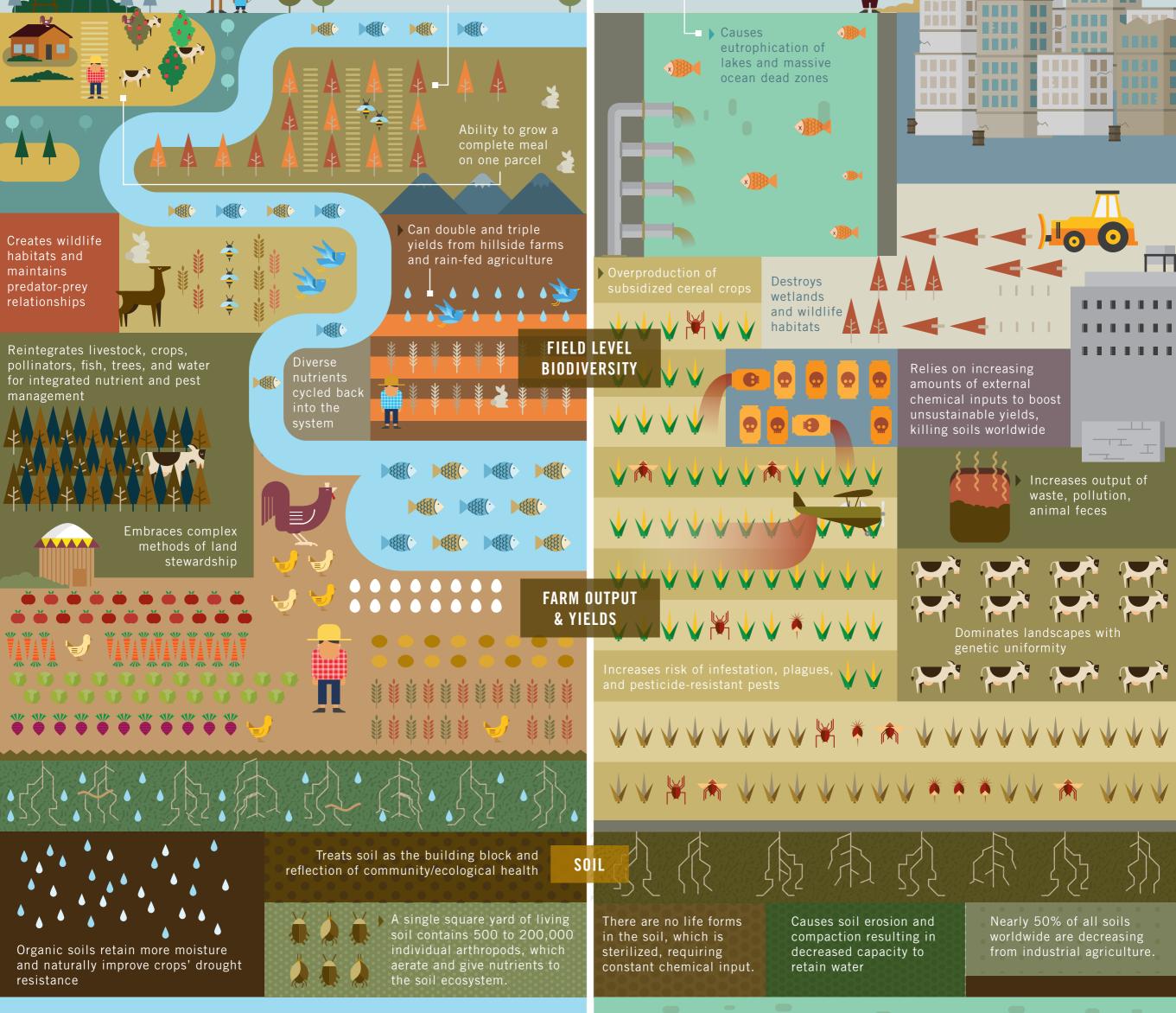


ANOTHER BILLION OVER EAT UNHEALTHY FOODS.

## **ONE-THIRD** OF FOOD PRODUCED IS **WASTED**. THE PRODUCTIVITY OF NEARLY HALF OF ALL SOIL WORLDWIDE IS DECREASING.

In order to feed our world without destroying it, a holistic type of agriculture is needed, and we have a choice. Here we compare the current high-input industrial system with a renewed vision for agriculture: the agroecological system.

## AGROECOLOGY **INDUSTRIAL AGRICULTURE CO2 POLLUTION** CLIMATE STRATEGIES REMEDIATION SOURCES Petrochemical Reduces agriculture's impact on climate by working within natural production and use systems. RISKS Captures and retains **ATMOSPHERIC &** Contributes one-third of global MITIGATION Reduces capacity of land to greenhouse gas emissions CO2 in system **CLIMATE IMPACTS** Creates diverse food systems capture and sequester carbon which are more resilient in the Puts global food system at face of climate change. greater risk to extreme ADAPTATION weather events Improves farmers' ability to Relies on mechanization respond to climate change. Involves local community HUMAN COMMUNITIES and labor-saving policies, in the growing process Leads to massive unemployment, & LIVELIHOODS consolidates land and from seed to mouth rural-urban migration, depressed resources into fewer hands Reduces rural poverty, strengthens rural economies, and gross local economy, and supports gender imbalances women, who make up 43% of the world's agricultural labor force ▶ Causes malnutrition, Does not pollute Biggest user and WATER SYSTEM Increases nutritional heart-disease and obesity waterways polluter of water diversity crucial for in the world women and children Conserves soil and water through terracing, contour farming, intercropping, and agroforestry



## Helps balance aquifer withdrawals and recharge

AGROECOLOGICAL STRATEGIES can better feed the world, fight climate change and poverty, and protect soil and water while maintaining healthy, livable communities and local economies. Depletes water tables, causes salinization and pollution of aquifers and soils

INDUSTRIAL AGRICULTURE contributes to climate change, malnutrition and ecosystem degradation around the planet. It has not delivered on its promise to feed the world.

