



International grain markets driven by severe supply chain interruptions

Stehen wir vor einer Lebensmittelkrise?

Christian Joerg

15.06.2022

Stehen wir vor einer Lebensmittelkrise?



Contents



International grain markets driven by severe supply chain interruptions

01

Introduction

02

Ukraine, the breadbasket for the poorest and the world

03

Global markets in grains and oilseeds, supply chains under stress

04

Market outlook

05

Q & A

Introduction



Christian Joerg

Born on 04-12-66 and raised on a small farm in the Canton of Schwyz

Married, three children between 18 and 27

Senior executive with strong international business experience in agricultural, trade and trade finance

Funding and setting up food security programs for Angola, Ethiopia and Saudi Arabia

Lived and worked in the Netherlands, England, Australia, Switzerland, Portugal, Belgium, USA, Peru and Saudi Arabia





**Ukraine, the
breadbasket for
the poorest**



Ukraine, the breadbasket for the poorest and the world



The invasion of Ukraine on 24 February 2022 is having deep human, as well as social and economic impact, across all countries and sectors in the food supply chain



The global food system on fertilizers' inputs, on grain production, on export logistics and on trade is severely disrupted by the war in Ukraine



Ukraine still has 20 m MT to export from last year. With the current pace of exports, it will take 2 years...

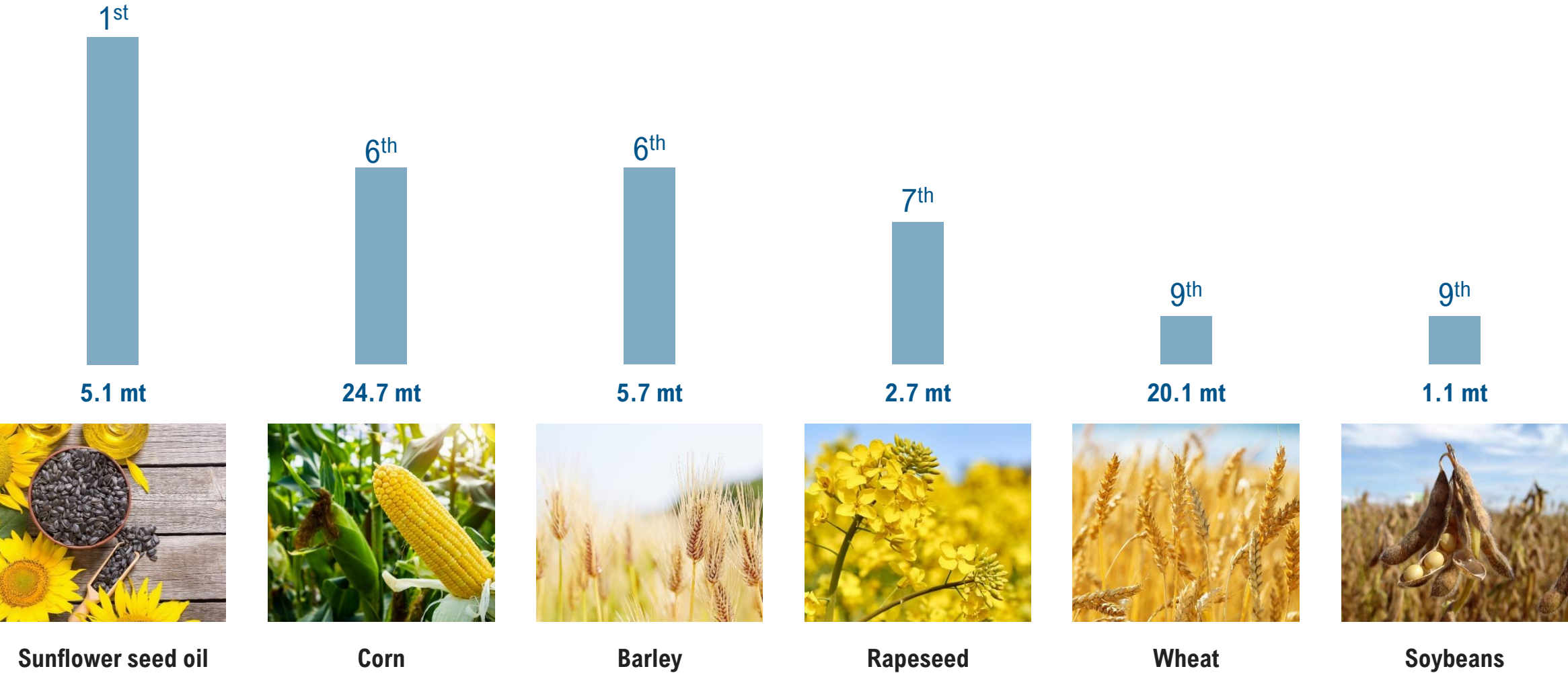
The real problem starts in July....



Ukraine's place in the world food production markets

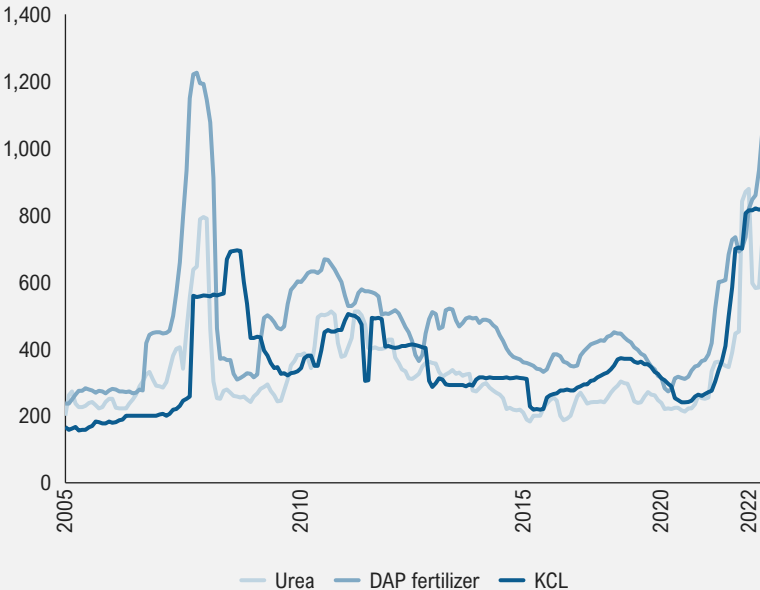
Ukraine is ranked ...

30 % of production at stake in current combat areas...



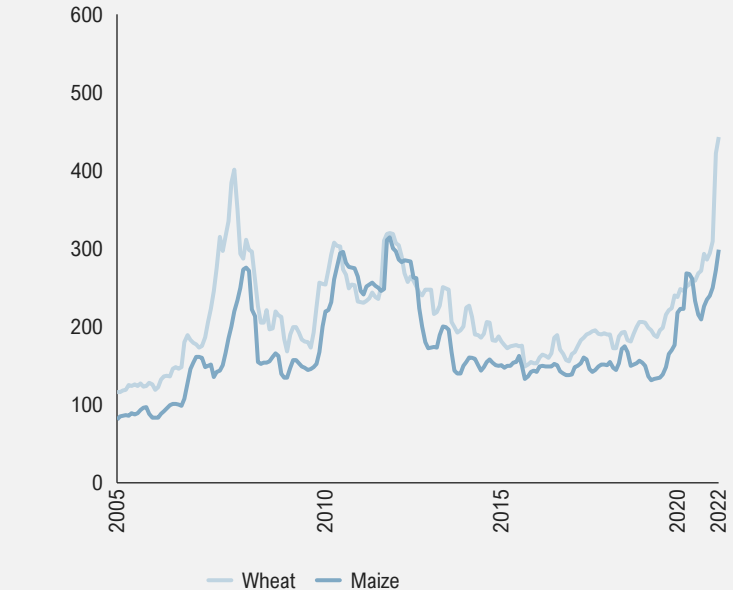
The war in Ukraine impacts food value chains end to end

01 Inputs



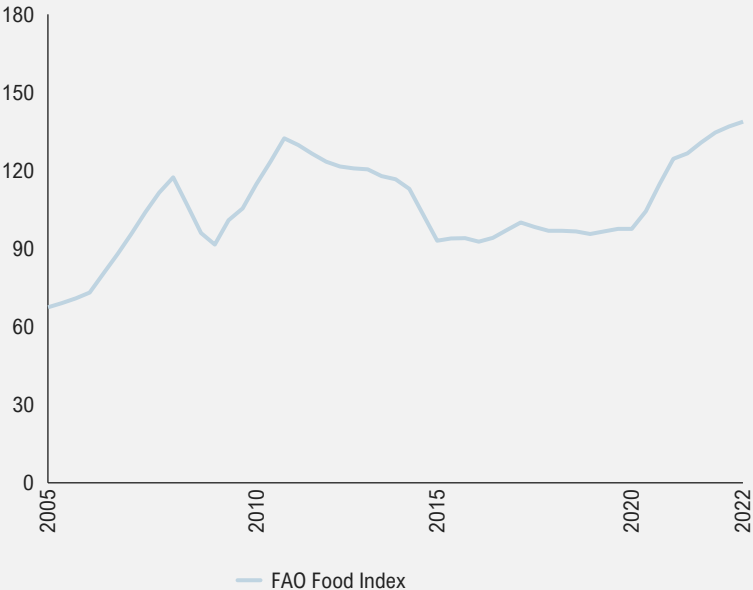
Fertilizers price²,
USD per tonne

02 Crops



Commodity crops price¹,
USD per tonne

03 Food & Feed

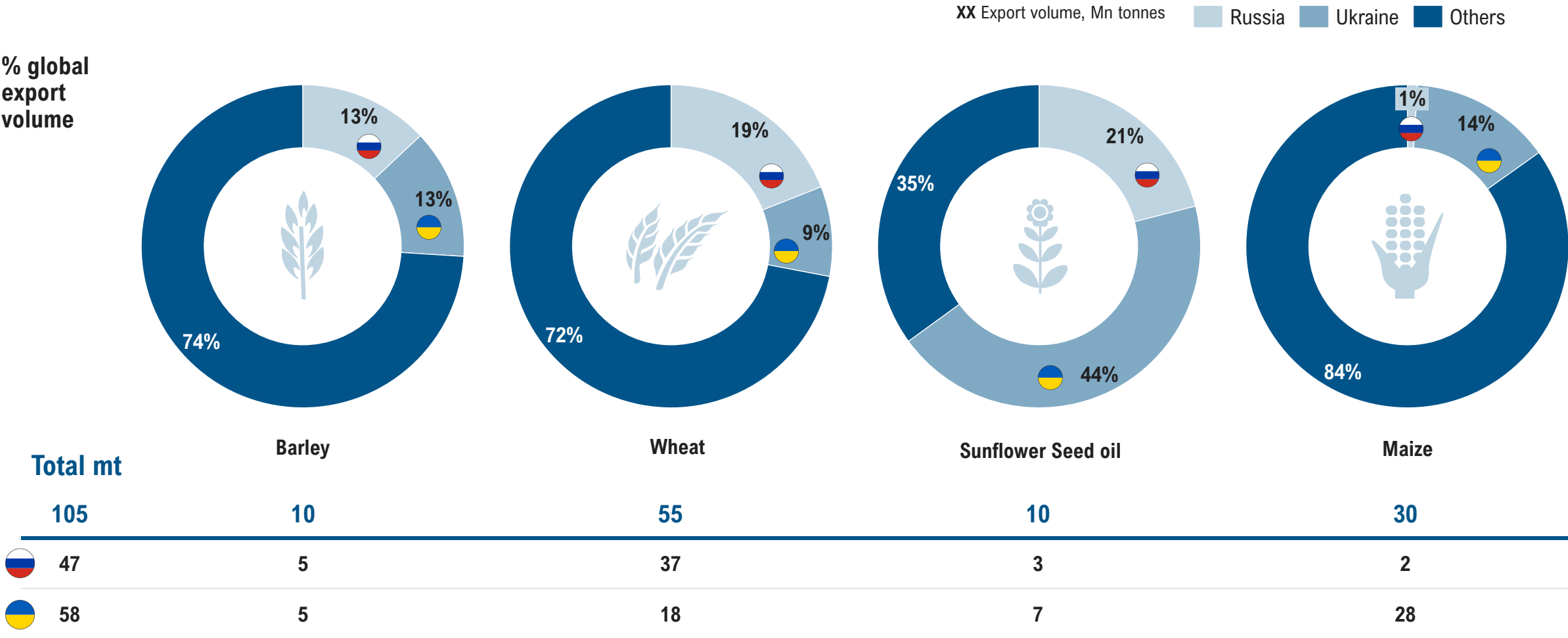


Food price (EU),
Index with 2005 as 100

1. Barley-NCDEX Barley Futures, CBOT Chicago SRW Wheat Futures,
2. Fertecon, Mosaic website, Urea Black Sea/Baltic FOB, Vancouver KCL 2005-16; Brazil 17-current



Ukraine and Russia are an integral part of major crops export worth 105 mt of crops per



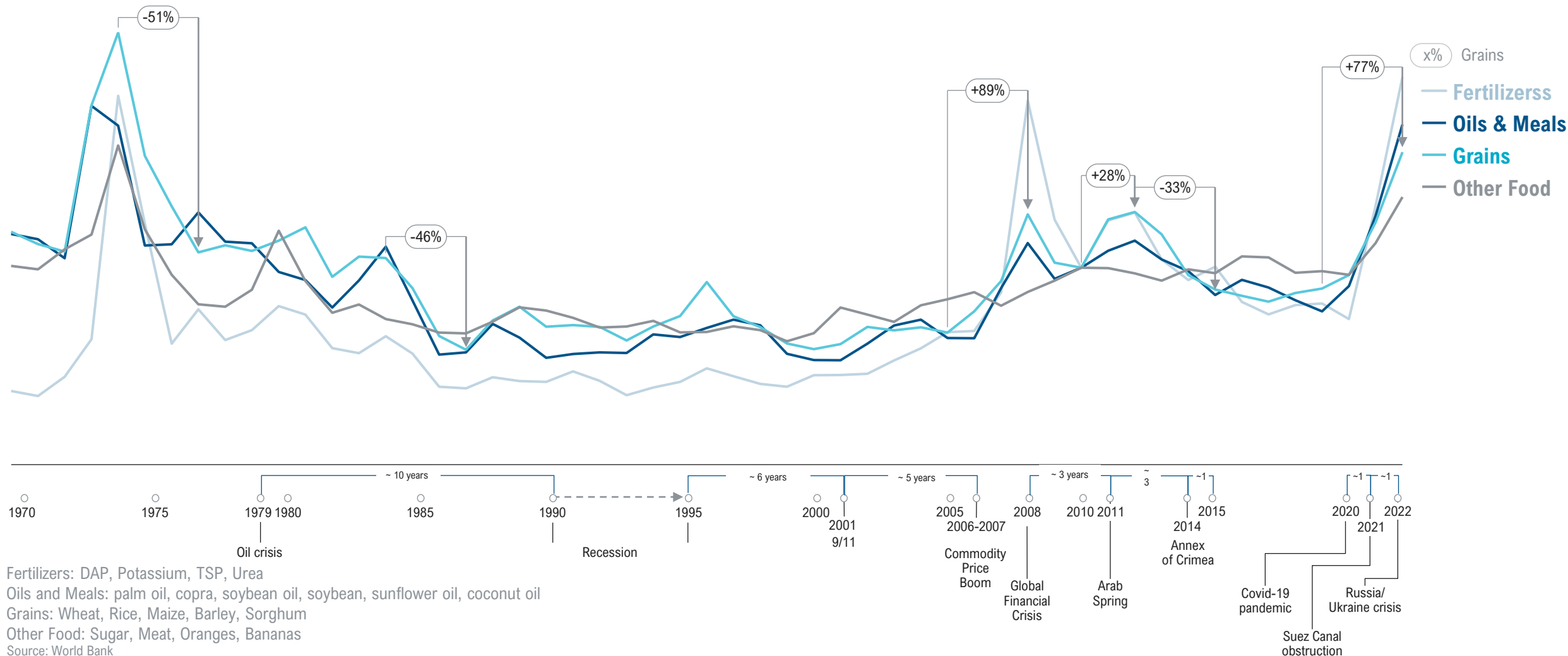


Global markets in grains and oilseeds



The frequency and intensity of disruptive events are expected to increase

Annual indices, 2010=100, real 2010 US dollars



Wheat Markets: 28-02, The start of the war



CBOT Wheat, September



Within days, CBOT wheat futures increased by 52 %.

Ocean freight increased during the same period by 25%, due to high oil prices, sharply increased insurance premiums and blocked capacities in China (Covid).

MATIF Wheat, September



Within days, MATIF wheat futures increased by 70 % .



Market outlook



Current and future production risks

Farming risks



Lack of Financing



Lack of seeds, CP, fuel and other inputs

Supply chain risks



Limited sea trade routes



Ship sanctions

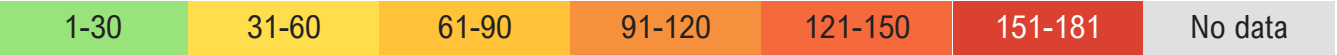


Insurance constraints



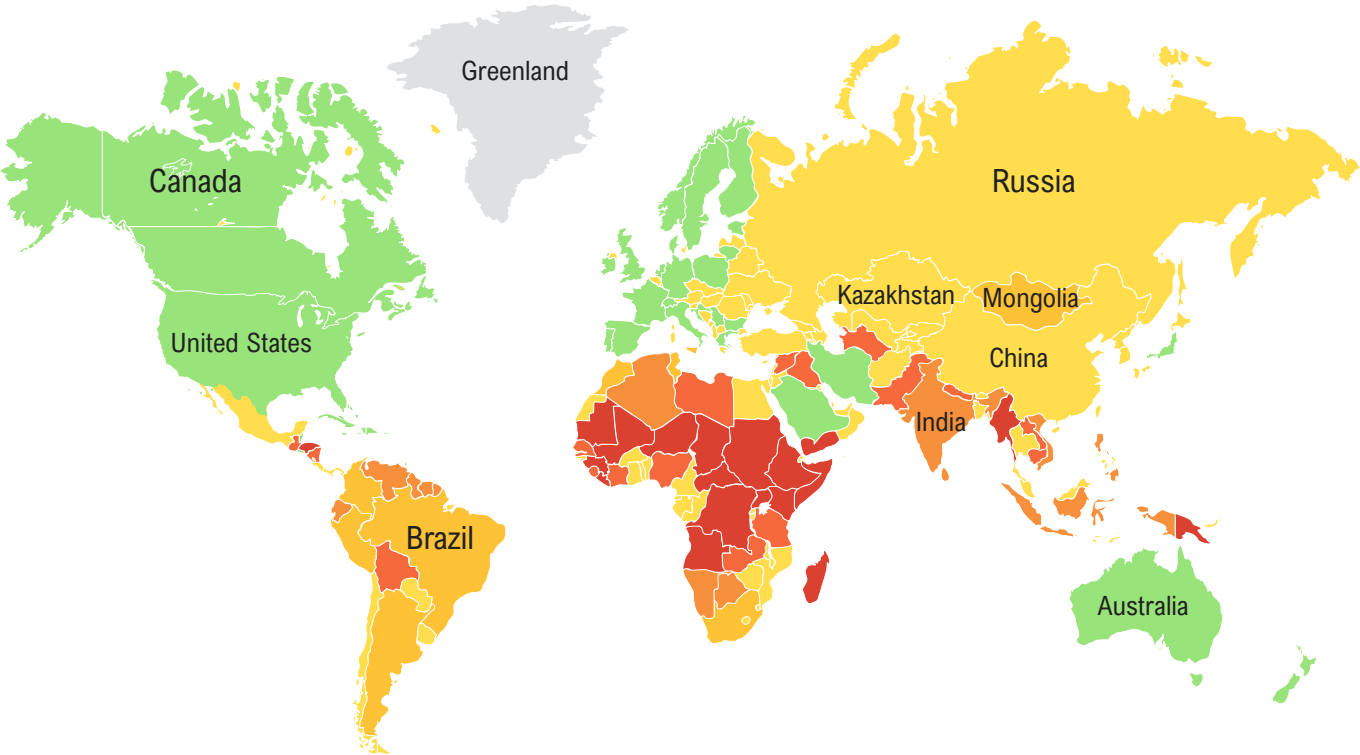
Inland transportation

Climate change risks



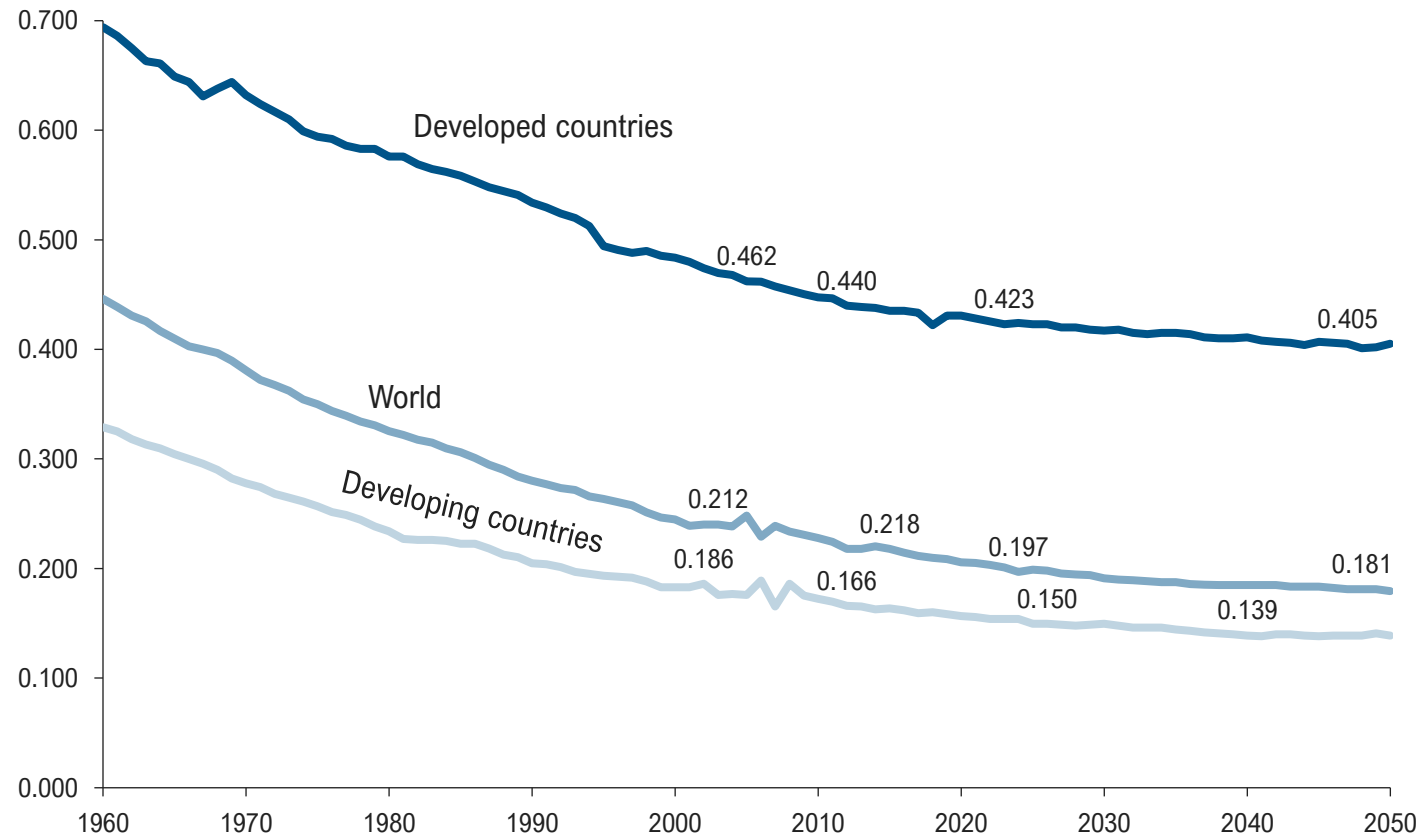
Least at risk

Most at risk



Arable land per capita has been declining

Arable land per capita (ha in use per person)

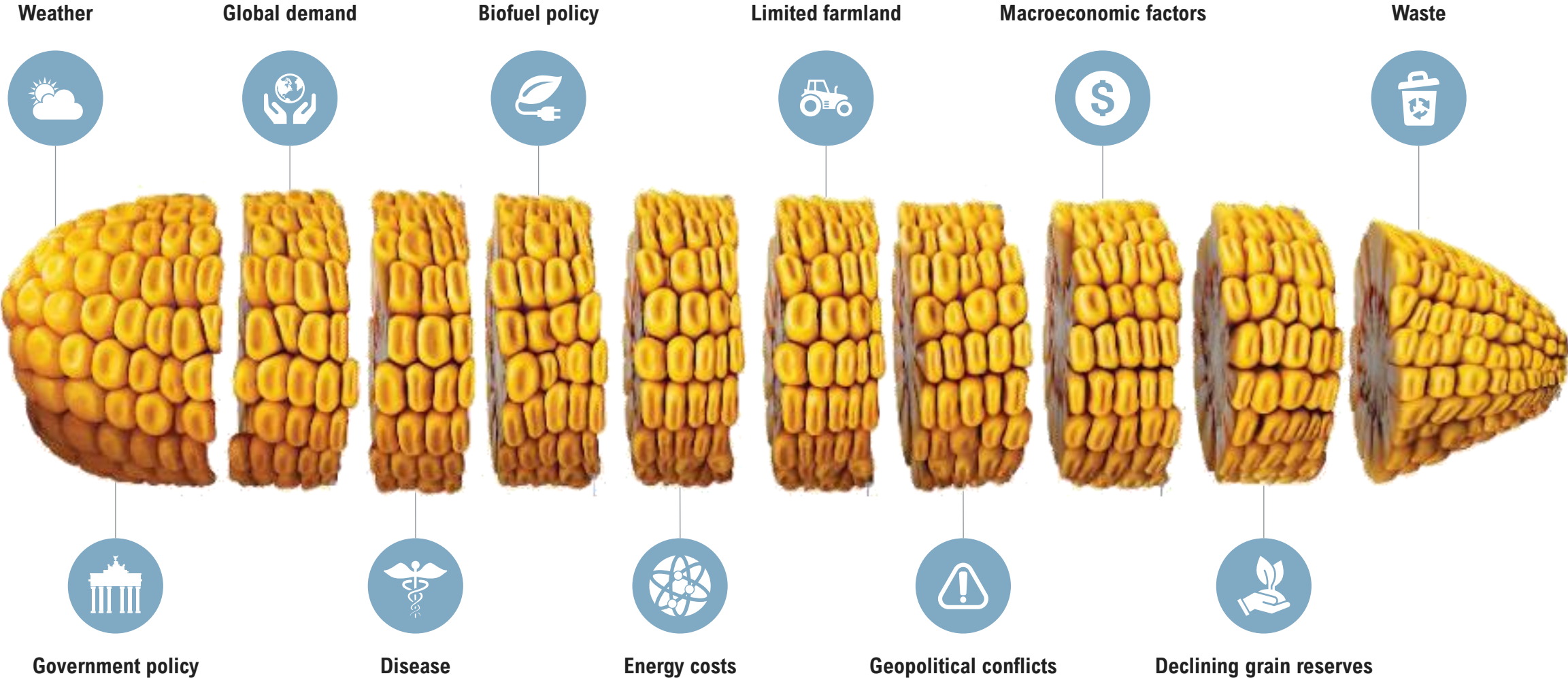


Arable land per person has been declining in most parts of the world

We need to be more productive with less land, increase yields



The facts behind food prices



Source: Cme Group



Q & A

