DECARBONIZATION in Agriculture

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Net Zero Carbon Summit 2023


Agriculture = part of the solution to global climate challenges
Climate smart agronomical practices
Bayer's commitments, globally & locally


FARMERS ARE
RESPONSIBLE
to feed an **increasing population…**
… WITHOUT
STARVING
the world of **natural resources**
Produce vs *Preserve*

ADOPTION

OF CLIMATE-SMART PRACTISES to reduce greenhouse gases and capture carbon in the soil

Cover crops

No-till

Precision nitrogen use

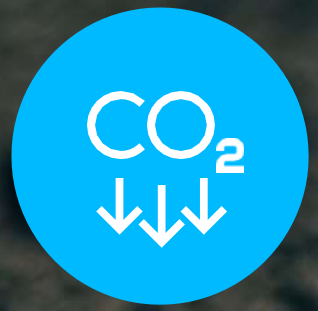
Crop rotation

1/4 ***Agriculture has the potential to remove ¼ of the worlds greenhouse gas emissions from the past 25 years***

Source: http://www.fao.org/soils-portal/soil-management/soil-carbon-sequestration/en/

SOIL SEQUESTRATION

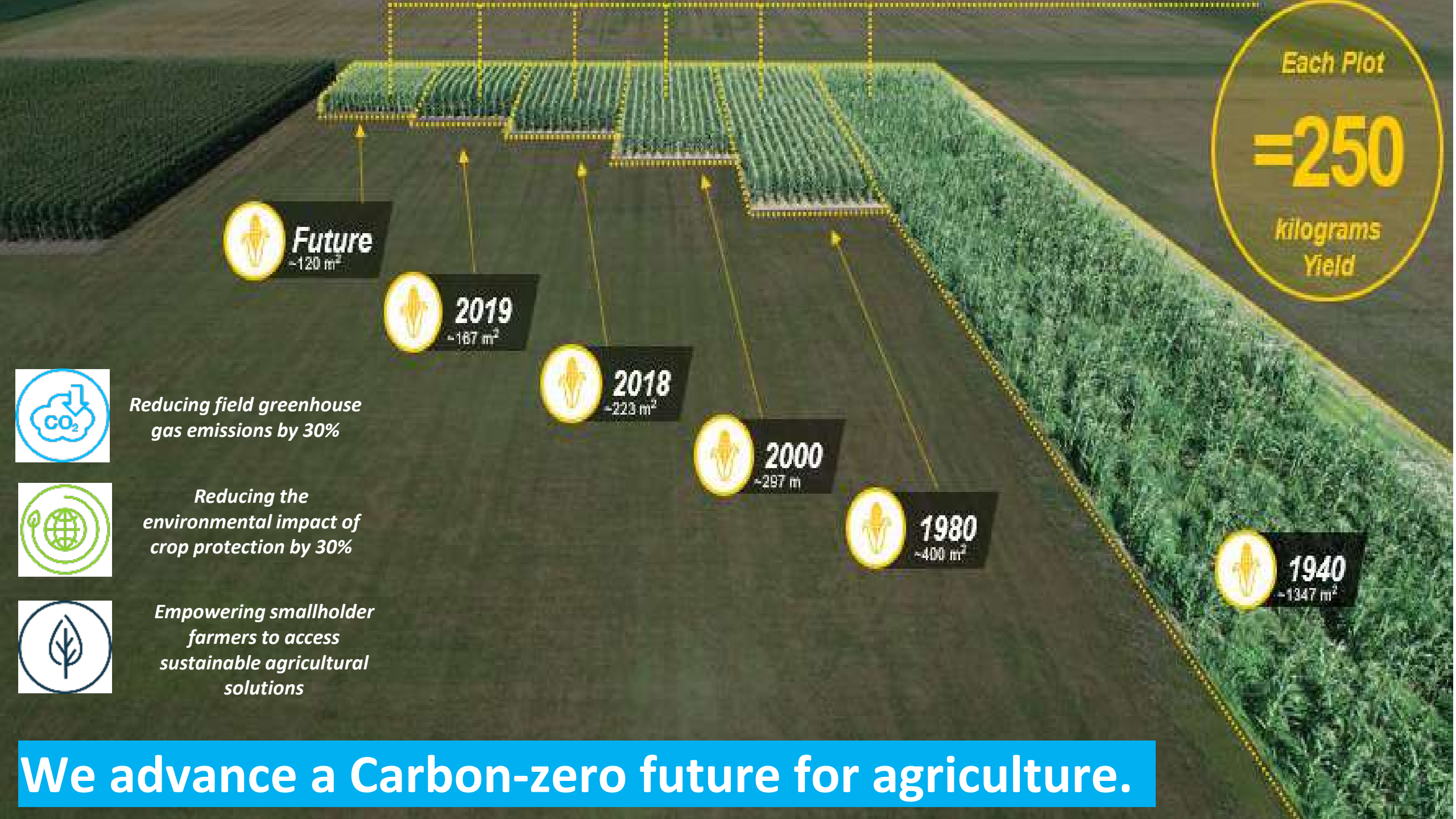
A UNIQUE OPPORTUNITY to turn productive hectares into carbon sinks



Untapped Sequestration Potential

Improved Soil Health

Source: "Is carbon sequestration on farms actually working to fight climate change?" by Gabriel Popkin, Yale Environment 360


Each Plot
=250
kilograms
Yield
Future
~120 m²
2019
~167 m²
2018
~223 m²
2000
~297 m
1980
~400 m²
1940
~1347 m²
Reducing field greenhouse gas emissions by 30%
Reducing the environmental impact of crop protection by 30%
Empowering smallholder farmers to access sustainable agricultural solutions
We advance a Carbon-zero future for agriculture.

WE DELIVER LOCALLY

Sustainable Corn Seed Production

Decarbonization in Sinesti Plant

Partnering with farmers associations on carbon sequestration

Advancing digital technologies and pioneering business models