





Euroopa Maaelu Arengu Põllumajandusfond: Euroopa investeeringud maapiirkondadesse

Sustainability @Crop Science/

Shaping Agriculture to Benefit Farmers, Consumers and Our Planet

Klaus Kunz



Shaping Agriculture

to benefit farmers, consumers and our planet

Our Mission as the industry leader

Deliver world-class

innovation

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Set new standards of sustainability

Tailored Solutions

Digital Ag

Seed & Traits

Crop Protection

Tailored solutions are key to sustainably managing resources and improving productivity to feed a growing global population

Achieve sustainable solutions that *find common ground* with those who grow our food and those who consume it

Taking Sustainable Agriculture to the Next Level

Focus on transformational topics related to agriculture where we can really make a difference

Always keep the farmer's perspective in mind while creating value transparently for environment & society

Link sustainability strategy to the core of our business and R&D/technologies

Define KPIs to make all commitments measurable

The Model of Planetary Boundaries Provides Clear Guidance



Source: Fat Lancet Summary Report 2019. Based on studies by the Stockholm Resilience Center

BAYER E R

Sustainability @Crop Science

Challenge:

Biodiversity, climate change and food security are key challenges to humankind, and sustainable agriculture plays a key role to provide solutions¹.

Way Forward:



We will link Sustainability to the core of our business and R&D/technologies



We will create value transparently to balance farmer's needs with societal expectations

BAYER E

Living up to Our Responsibility

through transformational commitments in sustainability

Advancing a carbon-zero future for agriculture



30% Reduction in field greenhouse gases emitted per kg of crops produced

Produce higher-yielding crops with fewer natural resources and inputs



30% Reduction of crop protection impact on the environment

Empowering smallholder farmers to access sustainable agricultural solutions

>100м Smallholders benefit e.g. access to education, tailored solutions & partners

Seed Crop & Traits Protection Tailored Solutions

Digital Ag



Reducing Environmental Impact

With New Tailored Solutions

Growing Citrus in Spain with MOVENTO™

Reduction of Active Ingredient

Volume of A.I./ha

Reduced Environmental Impact

Constant Series of Constant Ser



Advancing a Carbon Zero Future for Agriculture

With Plant Microbiomes

Joyn Bio

Joint venture of Bayer and Ginkgo Bioworks

3% of worldwide global greenhouse gas emissions from industrial nitrogen fertilizers

Nitrogen fixation through plant microbiomes to significantly reduce synthetic fertilizers



More with less

Sustainable Intensification

1940



Where we are,

Where we're going



Aitäh

AAP Aasta Põllumees

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