One Step Ahead with Sustainable Agriculture
The boundaries of our planet are being stretched beyond the resource capacity we have. Soil, water, air and biodiversity are exposed to many threats, including efforts of mankind to nurture a growing population. Farmers worldwide therefore need tools and solutions that will help them to both grow enough food and continue to be stewards of the environment.

Bayer has been a partner in agriculture for nearly 150 years. During that time, we have developed and delivered world class innovation with highest standards in quality and stewardship. Today, we have the responsibility – and opportunity – to use our experience and ingenuity to translate the challenges of climate change, biodiversity loss and limited resources into sustainable processes that protect our global food supply.

This is why we have made three transformational sustainability commitments. By 2030 we will:
- reduce the environmental impact of crop protection by 30%
- reduce greenhouse gas emissions in agricultural fields by 30%
- empower 100 million smallholder farmers with new tools, training and partnerships.

We know that we need strong partners on this journey. New technologies and best practices such as precision digital farming, modern plant breeding tools and integrated crop protection concepts on their own are not enough to reduce agriculture’s ecological footprint. Farmers, value chain partners, academia, scientists, policy makers and civil society need to work together.

Bayer ForwardFarming is the space to experience progress in sustainable agriculture on independent farms around the world. We invite you to explore the collaborations and innovations that will help us to move ahead together.

"From showing the positive effects of technology on farming and sustainability, to providing a place for farmers, experts and the public to connect, ForwardFarming serves as an ideal, tangible setting to foster dialogue and engagement with generations old and young."

-Klaus Kirsch, Global Director, Bayer ForwardFarming
Enabling More with Less

There is no one-size-fits-all solution when it comes to sustainable farming. Together with independent farmers, Bayer ForwardFarming demonstrates the importance of seeds and traits, crop protection, digital tools and related services to increase yield by making the best use of all resources, while preserving the environment.

**Biodiversity:**
Encouraging practices like crop rotation and cover cropping, creating flower strips, refuges, bird nesting aids and insect hotels helps build an agro-environment rich in biodiversity.

**Bee Care and Bee Safety:**
Controlling the Varroa mite, planting flower strips and applying crop protection products in a way that minimizes exposure to bees are just a few measures to protect pollinators.

**Water Preservation:**
Efficient water management, establishment of buffer strips and on-farm wastewater management are good examples to follow.

**Safety First:**
Regular training, applying products with caution and using adequate safety equipment is always the best approach.

**Producing More with Less:**
Smart farming helps farmers maximize their yields through agronomic best practices while reducing the amount of resources needed.

**Seeds and Traits:**
Use of high-quality seeds, traits and seed treatments helps ensure healthy plant growth and maximum yield potential.

**Crop Protection:**
Farmers are able to optimize the use of chemical and biological crop protection products to care for their crops by protecting against weeds, pests and diseases.

**Digital Tools:**
From advanced weather monitoring to satellite remote sensing, technology enables farmers to be at the edge of the field at all times.

“Just as our farm has seen growth thanks to the variety of crops we harvest, the diverse practices we implement on the farm because we are respecting the environment and our community. From digital tools to nature-based water purification, to partnerships with local beekeepers, we are able to demonstrate how these elements can work together.”

- Stephane Peillet, Earl des Bruyeres, France

A Matter of Responsibility

Why is achieving a reliable food supply so important? Solving food security issues is critical to sustainable farming. Together with Bayer ForwardFarming, farmers around the world are using proactive and technology-driven strategies to ensure that food is produced sustainably and efficiently.

The impetus behind taking safety instructions, proactively protecting biodiversity, and preserving soil, water and other resources are topics addressed by Bayer ForwardFarming.

**Essential Tools:**
Use of high-quality seeds, traits and seed treatments helps ensure healthy plant growth and maximum yield potential.

**Crop Protection:**
Farmers are able to optimize the use of chemical and biological crop protection products to care for their crops by protecting against weeds, pests and diseases.

**Digital Tools:**
From advanced weather monitoring to satellite remote sensing, technology enables farmers to be at the edge of the field at all times.

“We understand that sustainability is the future of agriculture; the only way the generations to come will be able to continue to produce quality food for the future.”

- Kaio Fiorese, Nossa Senhora Aparecida, Brazil

Exploring The ForwardFarming Network

24+ Forward Farms – and counting!

12+ countries and 4+ continents in the ForwardFarming Network

33,000+ types of fruits, vegetables and grains cultivated

28+ years of trials, repetitions and grants culminated

24+ countries and 4+ continents in the ForwardFarming Network

12+ Forward Farm visits*

33,000+ types of fruits, vegetables and grains cultivated

28+ years of trials, repetitions and grants culminated

* Visitors from 2011 to 2019

“We believe in working with resources not against them. We do not work against agriculture – we work with it and for it. We want people, especially tomorrow’s farmers, to know that sustainability and agriculture is one thing and not two separate ideals.”

- Stefanie Peters Agro-Farm GmbH Nauen, Germany

“We believe in working with resources not against them. We do not work against agriculture – we work with it and for it. We want people, especially tomorrow’s farmers, to know that sustainability and agriculture is one thing and not two separate ideals.”

- Stefanie Peters Agro-Farm GmbH Nauen, Germany
Bayer ForwardFarming partners with food and value chain participants, research centers and universities, and industry leaders to create space for dialogue and demonstration – connecting farmers with the communities around them.

Just a few examples of partnerships established by ForwardFarms include:

- University of Ghent (Belgium)
- Internet of Food & Farming 2020 (Netherlands)
- Fraunhofer Chile Research (Chile)
- J.P Dantas, Agronomic Consultant – Soil Fertility (Brazil)
- Stiftung Rheinische Kulturlandschaft (Germany)

“I frequently have productive discussions with partners, community members and fellow farmers who visit the farm, and I’m able to implement new ideas that raise my farm’s sustainability to a higher level.”

- Jasper Roubos, Het Groene Hart, Netherlands