BAYER CROPSCIENCE AND SUSTAINABLE AGRICULTURE

Over 300 years ago, Hans Carl von Carlowitz, a farsighted mining inspector in Germany, recognized the importance of sustainable reforestation for ensuring a lasting supply of wood for the mining industry.

The challenge facing us now and in the future is global food security, with the world’s population increasing rapidly and limited arable land available. In other words, the most pressing global challenge is to intensify agricultural productivity in a sustainable way.

Bayer CropScience approaches this challenge holistically by connecting economic success in agriculture with environmental and social responsibility for all of the partners involved. In this way, Bayer CropScience is playing its part in enhancing global food security.

BAYER CROPSCIENCE

INTRODUCING HOF TEN BOSCH

OWNED BY JAN AND JOSSE PEETERS

LOCATION

Huldenberg, near Brussels, Belgium

HISTORY

Farmed by the Peeters family since 1890, owned by Jan and Josse Peeters since 1980

CROPS

Potatoes, wheat, sugar beet, corn, pears

SOIL

Hilly area with a good drained and fertile sandy loam soil

PARTNERS

Working with different partners from the public and private sector

The farms involved in Bayer ForwardFarming – the Bayer ForwardFarms – make use of three basic components:

• **Integrated Crop Solutions** with high-quality seeds and crop protection products (chemicals and biologicals) to protect the yield and quality of agricultural commodities. These solutions are backed by tailored services ranging from agronomic support, field demonstrations, diagnostics, and prediction tools to documentation.

• **Proactive Stewardship** to ensure product integrity (for seeds and crop protection products), protect human health, and preserve the environment. We offer training to raise standards of handling and usage, as well as to minimize any possible risks to human health and the environment.

• **Partnerships** to enhance the quality of life for farmers, communities, and society. Mutually beneficial partnerships that include all players in the value chain and help to leverage the potential for collaboration in modern agriculture.

In cooperation with farmers, Bayer CropScience demonstrates innovative solutions for sustainable agriculture in Bayer ForwardFarming, the knowledge platform for sustainable agriculture practices.

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SUSTAINABLE AGRICULTURE IN PRACTICE

BAYER FORWARD FARMING

HOF TEN BOSCH
BELGIUM

1. SEEDS
For good yields you need high-quality certified seeds, which also ensure product integrity.

2. CROP PROTECTION
Chemical and biological crop protection products, as well as mechanical measures, are combined for sustainable production of healthy food.

3. BAYER SEEDGROWTH™
The fully integrated and comprehensive system for on-seed applications helps seeds to thrive and boost yields.

4. PRECISION FARMING
Sustainable and efficient use of crop protection products with precise application using GPS and other new technologies.

5. DECISION SUPPORT TOOLS
Information regarding weather and soil conditions, as well as pest and disease warnings are used to optimize the timing of crop protection products.

6. SOIL EROSION
Buffer strips and micro dams in potatoes prevent soil erosion and washing off of fertilizer and crop protection products to the surface water.

7. FUNCTIONAL BIODIVERSITY
Biodiversity is stimulated with field margins and the creation of nesting places for wild bees and birds, which enhances pollination and natural pest control.

8. EASYFLOW
Thanks to the development of the closed filling system easyFlow the exposure of users and the environment is limited to an absolute minimum.

9. PHYTOBAC®
An adapted farmyard infrastructure with a special filling and rinsing place and a Phytobac® prevents run-off into the environment.

10. PERSONAL PROTECTION EQUIPMENT
Operator safety can be ensured by using correct personal protective clothing (dresscode.bayer.com).

11. BEE HOTEL
Supporting bee health through pest and varroa control, pollen and nectar offerings as well as the correct use of crop protection products.

12. PARTNERSHIPS
Bayer ForwardFarming brings together the competencies of mutually beneficial partnerships into a single holistic system.