

One Step Ahead with Sustainable Agriculture



Damianshof – Germany



Bayer
Forward 
Farming

Sustainable Agriculture in Practice

“I don’t want to be a successful farmer simply in the here and now; I want to protect resources of my farm for my children and grandchildren.” This is the principle that guides all of farmer Bernd Olligs’ actions. At the Damianshof, which his family has been farming for six generations, he combines productivity with biodiversity. Bayer ForwardFarming supports him in his efforts with measures that focus on the promotion of biodiversity, bee health, and groundwater and user protection.



Introducing Damianshof Owned by Bernd Olligs



Location:
Rommerskirchen.



History:
Founded in 1845, Damianshof has been farmed by six generations of the same family.



Farming Land:
Deep brown earth with 10 to 20 meters of loess topsoil and a soil rating of between 90 and 95.



Crops:
Winter wheat, sugar beets, potatoes, winter oilseed rape and winter barley.



Partners:
FlächenAgentur Rheinland GmbH,
Stiftung Rheinische Kulturlandschaft,
OICOS Konzepte GbR, biologist & bee expert.



Damianshof

Farm Profile



Key Elements

- 1 Seeds**
High-quality, certified seeds are the basis for good yields.
- 2 Bayer SeedGrowth®**
A holistic approach helps farmers make full use of the potential of their seed.
- 3 Integrated crop protection**
Chemical crop protection products guarantee the health of crops and protect them from diseases and pest infestation.
- 4 Weather station**
Continuous monitoring and documentation of weather data, such as temperature, precipitation, and leaf wetness, optimizes targeted crop protection measures.
- 5 Digital solutions**
Digital solutions support the farmer in decision-making. Crop protection applications are optimized, and the environment is preserved.
- 6 Safe storage and safe use of crop protection products**
Safe storage of crop protection products, the proper use of personal protective equipment, as well as an easyFlow M-system protect both the environment and users.
- 7 Soil health and erosion prevention**
New techniques, such as cross-dyke ridging in the cultivation of potatoes, protect the topsoil and reduce the danger of flooding.
- 8 Phytobac® and water protection**
Microorganisms break down crop protection residues in the Phytobac® system, thus protecting water bodies.
- 9 Flower strips and flower meadows**
Annual and perennial flower strips in strategically favorable locations protect the flora and fauna, including birds, beetles and earthworms.
- 10 Bee houses, beetle banks and earth piles**
In addition to providing important nesting opportunities, these nesting aids offer wild bees along with other pollinators and insects protection from predators and bad weather conditions.
- 11 Skylark plots and nesting boxes**
Small un-tilled patches in cereal fields help the endangered skylark to safely land and build nests. Protected nesting aids help cave and cavity breeders like swifts and swallows to raise their young in safety.
- 12 Partnerships**
Uniting competencies from a wide range of stakeholders to jointly meet the challenges of sustainable agriculture.

-  Tailored Solutions
-  Proactive Stewardship
-  Partnerships



Bayer ForwardFarming provides an up-close look at how farmers are practicing sustainable agriculture around the world. Unique in its global reach the Bayer ForwardFarming network serves as platform for knowledge sharing and dialogue. Forward-Farmers deploy technologies and best practices that reduce agriculture-related greenhouse gas emissions, decrease the environmental impact of crop protection, promote biodiversity and conserve natural resources.

On the ForwardFarms, progress towards the Crop Science sustainability commitments truly comes to life.

Bayer ForwardFarming demonstrates solutions that support sustainability in agriculture across the following three components:

// **Care for Crops** – Every farm is different, and every field within a successful farming operation is unique. **Tailored Solutions** are needed to meet the needs of the individual farmer and their specific field – from the right seeds and traits to the correct type and amount of crop protection, to the digital tools and services that allow for good decision making and precision.

// **Care for the Planet and People** – ForwardFarming promotes and demonstrates **Proactive Stewardship** to protect human health and preserve the environment. Examples include addressing the safe and responsible use of crop protection products; soil health, biodiversity, and water conservation; and offering training in all of these areas.

// **Care for Partnerships** – Bayer ForwardFarming fosters **Partnerships** with agricultural value chain actors, research centers, universities, and other institutions to strengthen sustainable farming development.



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