



# *One Step Ahead with Regenerative Agriculture*

**Selterhof – Germany**



**Forward** ▶▶  
Farming

# Advancing Regenerative Agriculture in the Field

Conscious and careful use of agricultural and environmental resources is the foundation for the Bohnsack family in their farm management. Their conventionally managed farm looks back on five years of organic farming. Respectively, the family has continued harrowing for very specific goals. On the other hand, they also rely on cutting-edge technologies to be prepared for the future.



## Introducing Selterhof

**Owned by Petra and Wilhelm Bohnsack**



### **Location:**

Einbeck-Erzhausen, Lower Saxony.



### **History:**

The farm's history dates back to the Erzhausen monastery, which was first documented in 1547. The Bohnsack family has been farming in Erzhausen for seven generations. The current location, a former manor, was acquired in 1933.



### **Farming Land:**

250 ha farming land; Luvisol with a loess layer of approximately 90 cm; weathered soils (rendzinas) ranging from clayey loam to loam; average of 70 points on the quality index for agricultural land (28–85 points).



### **Crops:**

Winter wheat, sugar beet, winter oilseed rape, and barley.



### **Partners:**

The expertise of a whole range of players is combined to tackle the challenges of sustainable agriculture together.



Selterhof

# Farm Profile



- Tailored Solutions
- Proactive Stewardship
- Partnerships

## Key Elements

- 1 Seeds**  
High-quality, certified seed forms the foundation for optimal yield.
- 2 Bayer SeedGrowth®**  
Protecting seeds from diseases and improving stress tolerance.
- 3 Integrated weed control**  
The combined use of herbicides and harrowing is in-line with the basic principle of integrated crop production.
- 4 Integrated crop protection**  
Targeted crop protection based on the economic threshold principle protects crops from pests and diseases.
- 5 Digital solutions**  
Assisting the farmer in making the right decisions to optimize cultivation methods and protect resources.
- 6 Soil health and erosion prevention**  
For years, the farm has been using cover crops and tillage methods to minimize soil erosion and maximize water protection.
- 7 Flower strips and flower meadows**  
Flower strips are planted in favorable locations and boost native flora and fauna, especially as a source of food and habitat for insects and birds.
- 8 Bee houses, beetle banks and earth piles**  
These measures offer vital breeding grounds for wild bees in particular, but also for other pollinators and insects.
- 9 Skylark plots and nesting boxes**  
Strategically placed open plots in crop fields provide skylarks and other birds, such as partridges, safe places to land and nest. It also benefits hares.
- 10 Water protection**  
Areas covered with grass all year round along the course of the river protect against undesirable runoff of crop protection products.
- 11 Safe storage and safe use of crop protection products**  
Crop protection products are stored safely in a suitable storage facility. The correct personal protective equipment and closed transfer system easyFlow M provide protection for both the user and the environment.
- 12 Partnerships**  
Working with local dealers and consultants helps overcome challenges. Close cooperation exists with the Lower Saxony Chamber of Agriculture.



Bayer ForwardFarming provides an up-close experience at how farmers are practicing regenerative agriculture around the world. Unique in its global reach the Bayer ForwardFarming network serves as a platform for knowledge sharing and dialogue. ForwardFarmers aim for **innovative** technologies and best practices to improve **productivity** and **soil health**, reduce agriculture-related greenhouse gas emissions, decrease the environmental impact of crop protection, promote biodiversity and conserve natural resources and water.

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

**Bayer ForwardFarmers are frontrunners in demonstrating innovative sustainable agronomic crop systems across the following three components:**

// **Care for Crops** – Every farm is different, and every field within a successful farming operation is unique. An entire system of **Tailored Solutions** is needed to meet the needs of the farmers' individual agronomic crop system – 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, precision and overall economic success.

// **Care for the Planet and People** – Bayer ForwardFarming promotes and demonstrates **Proactive Stewardship** to protect human health and preserve the environment as well as **farmers' and farm workers' well-being**. 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 and beyond.

// **Caring Together** – Bayer ForwardFarming fosters **Partnerships** with the farmer at the center, as well as value chain actors, research centers, universities, and other institutions to strengthen sustainable and regenerative farming development.



For further information, visit our website:

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