

One Step Ahead with Sustainable Agriculture



Ferme de Bulas – France



Bayer
Forward 
Farming

Sustainable Agriculture in Practice

High quality wheat for baking and seed production is the main crop at Ferme de Bulas. Located in the important cereal region of Beauce, the farm has been managed by the Petillon family for three generations. Using innovative technologies, respecting safety and the environment and sharing their agricultural practices is important to them. On Bayer ForwardFarms like Ferme de Bulas, Bayer and farmers join hands to demonstrate sustainable agriculture in practice.



Introducing Ferme de Bulas

**Managed by
Dominique, Jérôme and
Pascale Petillon**



Location:

Houville la Branche (28), near Chartres, France



History:

Ferme de Bulas has been family run for three generations. This legacy continues as Jérôme, the son of Pascale and Dominique, joined the farm in 2016.



Farming Land:

Mostly silty clay



Crops:

Cereals, oil seed rape, sugarbeets, pea protein, potatoes



Partners:

Fédération des chasseurs d'Eure-et-Loir (Eure-et-Loir hunters' federation), beekeepers, Hommes et Territoires (sustainable agriculture association), Laboratoire d'Eco-Entomologie d'Orléans (Orleans Eco-Entomology Laboratory), Axereal (grain cooperative)

Ferme de Bulas

Farm Profile



- Tailored Solutions
- Proactive Stewardship
- Partnerships

Key Elements

- Precision farming**
GPS-guided work tasks (sowing, spraying, fertilizing and harvesting) to optimize fuel and input use.
- Rational crop protection applications**
In cereals, fungicide applications are made with the help of an advisor supported by a decision-making tool called Positive®.
- Innovative application techniques**
Sprayers equipped with drift control and automatic boom section control.
- Fertilization management**
Optimized nitrogen application taking into account evaluations made with the FARMSTAR® decision support tool provided by the Axereal cooperative.
- Integrated weed management**
Adjusted weed management program and extended crop rotation (integration of pea protein) in the areas with resistant black-grass.
- Good sowing practices**
Implementing measures to limit the presence of grain on the soil surface which could be eaten by wild animals when sowing.
- Farming and beekeeping**
The farmer and beekeeper have signed an apiculture and agriculture best practices charter to protect bees on the farm.
- Biodiversity**
Monitoring of biodiversity such as flora, birds, worms, pollinators, beetles etc. Hedges and strips of corn have been integrated into fields to benefit wildlife.
- Safe product storage and handling**
Modernization of the product storage and sprayer filling area to improve working conditions and safety for workers and the environment.
- Phytobac®**
The bioremediation system ensures optimal on-farm wastewater management.
- Partnerships**
Bayer ForwardFarming builds on existing partnerships to leverage expertise and skills.



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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