



One Step Ahead with Sustainable Agriculture

Kaszewy Farm – Poland



Bayer
Forward 
Farming



At Bayer ForwardFarms, farmers and Bayer experts demonstrate innovative solutions for sustainable agriculture that comprise three components:

// **Tailored Solutions** – Innovative products and services tailored to customer needs, including high quality seeds and traits, biological and chemical crop protection products, and digital solutions. 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.

Sustainable Agriculture in Practice

The Kaszewy Farm is located in the heart of Poland – just 10km from the very center of the country. Krzysztof Nykiel and his son Maciej manage the 90-hectare farm, where they grow sugar beets, wheat, and corn. A farm of this size is considered “medium-sized” in Poland. The farm is located on light soils; therefore, soil health management is a constant challenge. For Krzysztof, sustainable agriculture can be summarized quite simply: “If you practice sustainable agriculture, it will be visible in the humus content of the soil in your fields”.



Introducing Kaszewy Farm

Owned by Krzysztof Nykiel and his son Maciej



Location:

Krzyżanów village near Kutno, łódzkie district.



History:

The origins of the farm date back to the nineteenth century. Krzysztof's son Maciej is the sixth generation of the family to manage the farm.



Farming Land:

Sandy loam soils.



Crops:

Sugar beet, winter wheat, corn.

Kaszewy Farm

Farm Profile



- Tailored Solutions
- Proactive Stewardship
- Partnerships

Key Elements

- 1 Yield starts with the seed**
Sowing varieties adapted to local conditions ensures high yield. Modern varieties have traits enabling resistance to diseases, frost, or drought.
- 2 Soil care**
Crop rotation, regular assessment of macro- and microelement content, as well as organic fertilization, build and protect soil fertility.
- 3 Smart crop protection**
Digital disease models and careful observation of plant health help optimize crop protection. Agronomic measures are combined with chemical products and biologics.
- 4 Precision farming**
The Climate FieldView® digital tool helps the farmer to be more efficient and make smart decisions. It accurately indicates areas of the field where disease, or poor water supply, can occur.
- 5 Integrated weed management**
Rotation of crops and herbicide modes of action prevent weeds from developing resistance.
- 6 Biodiversity conservation and enhancement**
Numerous agro-ecological solutions promote biodiversity: flowering strips and stone-hill heaps for beneficial insects, and skylark plots and poles for birds of prey.
- 7 Safety first**
Storing crop protection products in an adapted, locked warehouse and the use of protective equipment ensures safety for the farmer and the environment.
- 8 Empty Container Management in PSOR system**
The emptied packaging of crop protection products is rinsed three times. Those marked with special pictograms are sent to the PSOR packaging collection point to ensure safe recycling.
- 9 Best practice applications**
Equipment calibration and adjustments, as well as the use of anti-drift nozzles and wind-speed checks.
- 10 Water protection (Phytobac)**
Phytobac®: Sustainable management of wastewater by cleaning spraying equipment in a closed system that biologically breaks down crop protection product residues.
- 11 Partnership**
Bayer ForwardFarming unites the skills and expertise of different partners for continuous improvement.



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