



One Step Ahead with Sustainable Agriculture

**Agrícola Testa –
Argentina**



Bayer
Forward 
Farming

Sustainable Agriculture in Practice

Agrícola Testa lies near Pergamino (Buenos Aires) in one of the most important farming regions of Argentina. Managed by the Testa brothers, soybean, corn and wheat are grown on a 1.130 ha farm. The brothers feel that agriculture is their reason for life. Using innovative technologies, respecting safety and the environment and sharing their agricultural practices is important to them. Agrícola Testa and Bayer partner in demonstrating the benefits of modern, sustainable agriculture.



Introducing Agrícola Testa

**Managed by
Marcelo and Carlos Testa**



Location:

Pergamino, 230 km northwest of Buenos Aires.



History:

Since 1916, the farming activities have been managed by three generations of the Testa family. In addition to farming their land, the Testa brothers offer high quality agricultural contractual services to other farmers in the region.



Farming Land:

Deep and fertile clay loam soils.



Crops:

Soybean, corn and wheat.



Partners:

AAPRESID, Universidad Nacional de Rosario, Unimap Pessl, among others.

Agrícola Testa

Farm Profile



- Tailored Solutions
- Proactive Stewardship
- Partnerships

Key Elements

- Quality seeds**
Selection of high-quality seeds adapted to the geographic and climatic conditions of the region enables quality yields.
- Soil fertility**
Crop rotation and regular soil analysis allow for optimizing the level of organic matter and soil nutrients, thereby preserving soil fertility for optimal productivity.
- Weather monitoring**
Real-time weather monitoring and forecasts allow task optimization at the farm, while also contributing to the correct application of crop protection products.
- Weed, disease and insect pest monitoring**
Regular scouting activities to monitor weed, disease and insect pests support a comprehensive crop care and control program.
- Precision farming**
Modern machinery and information from digital farming equipment allow for improved resource management and on-farm decision making.
- Integrated crop protection solutions**
Integrating agronomic techniques, such as crop rotation, with the application of chemical and biological protection products, enables the sustainable production of healthy grains.
- Operator safety**
Providing personal protective equipment and training maximizes user safety in all crop protection tasks.
- Water protection**
Wastewater from spraying equipment is collected and broken down naturally by micro-organisms via the Phytobac® system, to prevent runoff into the environment.
- Bee hotels and biodiversity**
The installation of bee hotels and planting of flower strips improves habitats for feeding and the proliferation of pollinators and other beneficial insects.
- Training**
“I Apply Responsibly” is a training program that focuses on the importance of correct and responsible application of crop protection products.
- Partnerships**
Bayer brings together the skills and expertise of different partners to demonstrate sustainable and modern farming.



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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