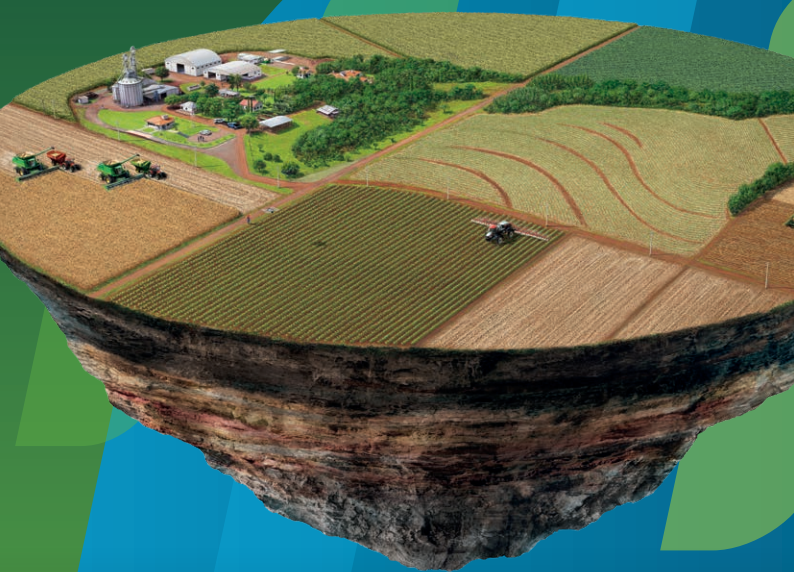


One Step Ahead with **Regenerative Agriculture**

**Fazenda Almeida –
Paraguay**



Forward ▶▶
Farming



Advancing Regenerative Agriculture in the Field

Fazenda Almeida is located in the fertile lands of Los Cedrales, Alto Paraná of Paraguay, also known as the national granary. It is managed by the De Almeida family and its main crops are soybean, corn, and wheat, with canola, oats, and turnip as a cover crop. They farm 1,235 hectares with a high technology and sustainability mindset, focusing on adequate and regenerative soil management, minimizing environmental impact, and caring for the flora and fauna for future generations to benefit. Together with Bayer ForwardFarming they seek to take their ambitions to an even higher technological and sustainability level.

Introducing Fazenda Almeida

Managed by:

Joao De Almeida

Roberson De Almeida



Location:

Los Cedrales 22km south of Ciudad del Este.



History:

In 1974 the first hectares of land were acquired. From there, working with a lot of effort, today they reach the third generation of farming.



Farming Land:

1,235 hectares of red latosol of high fertility and 250 hectares of forest and reforestation.



Crops:

Soybean, corn, wheat, and cover crops.



Partners:

ADM (Archer-Daniels-Midland) for the EPA certification.



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 deploy 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.

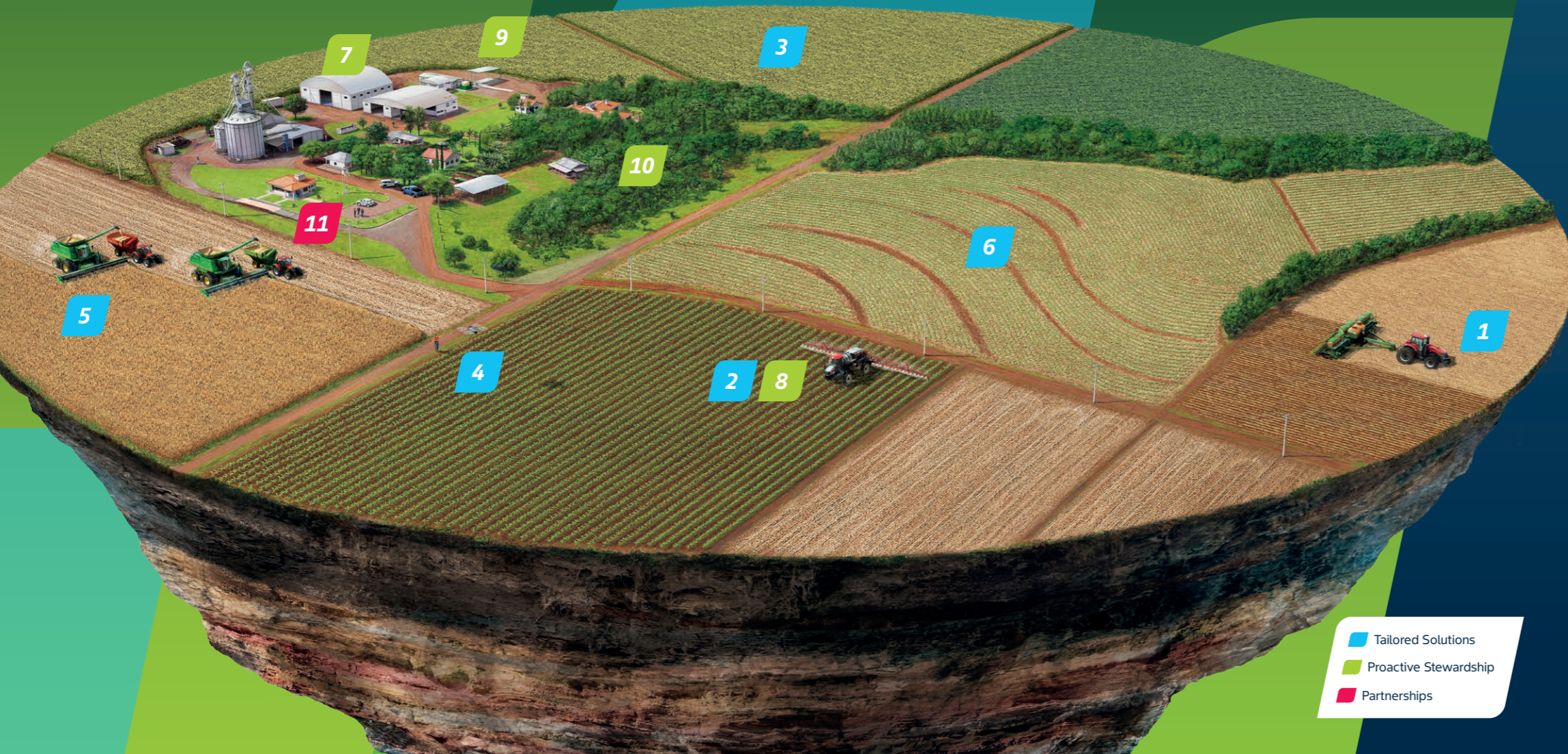
On the ForwardFarms, progress towards the Crop Science sustainability commitments truly comes to life.

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 innovative **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

Fazenda Almeida

Farm Profile



- Tailored Solutions
- Proactive Stewardship
- Partnerships

Key Elements

- 1 Seeds**
Use of quality seeds with a trait profile adapted to local needs and protected by SeedGrowth treatments increases productivity and profitability.
- 2 Integrated weed management**
Careful scouting, drone use, crop rotation, cover crop planting, and the use of multiple herbicide modes of action with crop specific herbicide-tolerant traits suppress weed competition and prevent the development of weed resistance.
- 3 Integrated disease management**
Implementation of disease control programs that integrate monitoring information and variety specific disease resistance.
- 4 Smart pest control management**
Use of modern pest-specific-resistant varieties, regular scouting, and pest-specific application programs promote the production of healthy and profitable crops.
- 5 Digital farming**
A digital platform approach including Climate FieldView™ and other tools for mapping, optimizing fertilization, and collecting harvest information improves operational efficiency, optimizes input consumption, and maximizes production on the farm.
- 6 Soil health**
The fundamentals of regenerative agriculture like crop rotation, cover crops, and careful fertilizer management supported by digital tools increase soil organic matter and microbial activity for healthy soils and reduced greenhouse gas emissions.
- 7 Good agricultural practices**
Seed mix refuge management, occupational health and safety, use of personal protective equipment, safe storage of inputs, and empty container management protect workers and the environment.
- 8 Modern application technology**
Maintenance and calibration of spraying equipment, the use of low-drift nozzles, and frequent training of machinery operators reduces the environmental impact of the operation.
- 9 Water protection**
Wastewater from spraying equipment is collected and crop protection product residues are broken down naturally by microorganism via the Phytobac® system, to prevent runoff into the environment.
- 10 Biodiversity and habitat conservation**
Preservation of habitats and species through the conservation of legal reserves, riparian zones, reforestation efforts as well as installation of beehives ensure the conservation of biodiversity.
- 11 Partnerships**
Bayer ForwardFarming combines knowledge, experience, skills, and new technologies with partners to promote the growth of agricultural activity successfully and sustainably.



For further information, visit our website:

www.forwardfarming.com

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