

*Empowering farmers
for a **resilient future.***

Hon Dat Rice Farm
Vietnam



Forward ➤ Farming 



Advancing Regenerative Agriculture in the Field

In the plains of the Mekong River, rice has been cultivated for centuries as an important staple food for the people of Vietnam and the world.

Phan Thanh Thong, the owner of the "Hon Dat Rice" Farm, cultivates rice on 4 hectares of land and as a progressive farmer, he thrives on further improving his farming practices. He has therefore joined the ForwardFarming initiative established jointly under the partnership of the National Agricultural Extension Center, Ministry of Agriculture and Rural Development, Bayer Vietnam, and rice value chain partners, to improve farmers' productivity in quality and yield, as well as produce in a smarter and sustainable manner. The initiative demonstrates best farming practices, new solutions and technologies, and provides training to improve crop value and farmers' income. Additionally, this partnership will connect with the farmer cooperative to disseminate knowledge and benefit the broader farmer communities.

Introducing *Hon Dat Rice Farm*

Owned by:

Phan Thanh Thong



Location

Hon Dat commune, An Giang province, Vietnam.



History

Mr. Phan Thanh Thong cultivates rice on 4ha of land in the Hon Dat commune, An Giang province. In this mono-cropping rice area, he grows two rice crops per year, with a flooding season in between.



Farming Land

Silty loam soil (lightly acid sulfate soil)



Crop

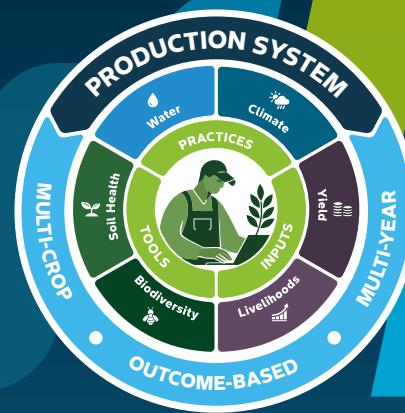
Rice



Partners

Public: National Agricultural Extension Center – NAEC; local An Giang AEC.

Private: Binh Dien Fertilizer Company; Sai Gon Kim Hong Machinery Company; Vinarice Seed Company, Phan Tan Mechanization Company; A-An Food company; Vinacam Ag. Coop.



Bayer ForwardFarming provides an up-close look at how sustainable and especially regenerative agriculture is applied on real farms around the world. As a global platform with farmers at the forefront, it enables knowledge sharing and dialogue while demonstrating how tailored production systems combine the right mix of practices, tools, and inputs to improve productivity and support environmental outcomes. Applied across multiple crops and seasons, these systems show that regenerative farming can be both economically viable and operationally scalable.

Each ForwardFarm is unique. Together with farmers, we test, refine, and demonstrate regenerative farming systems. We are cultivating Outcomes through Regenerative Ecosystems.

// Practices that Regenerate – Farming practices like cover cropping, crop rotation, reduced tillage, and tailored nutrient strategies are at the core of regenerative production. These practices build soil health, reduce erosion, and help create more resilient cropping systems.

// Tools that Guide – Advanced digital technologies, weather-based insights, diagnostics, and advisory tools help farmers make better, more efficient decisions. These support smarter use of inputs and provide data to guide long-term improvements across the production system.

// Inputs that Enable – High-performing seeds and traits, sustainable crop protection solutions, and biological products work together to support productivity and environmental outcomes. Combined with local agronomic knowledge, these inputs form the building blocks of every regenerative system.

Multi-Year. Multi-Crop. On the Farm.

Applied on rice crops and multi-seasons, from a Bayer agronomic approach, these systems evolve with the farm and help deliver real benefits to productivity, soil health, biodiversity, and climate resilience.

Hon Dat Rice Farm

Farm Profile



Key Elements

- 1 Much More Rice & Residue Management**
An integrated and effective crop care program that protects rice crops and increases yield sustainably while ensuring proper residue management for food safety and export quality.
- 2 Climate-smart Farming**
Reducing irrigation water use via direct seed rice and optimizing fertilization helps reduce GHG emissions and conserve water resources.
- 3 Integrated Weed Management**
A weed control scheme adapted to soil preparation management to support intensive rice production and herbicide resistance management.
- 4 Proactive Product Stewardship**
Promoting the use of personal protective equipment, safe storage of crop protection products and farmer training to ensure product stewardship and safety standards.
- 5 Public – Private Partnership**
Bringing together solutions, skills, and expertise to demonstrate productive, sustainable farming practices and share these widely with farmers to improve productivity and livelihoods.
- 6 Digitalization**
Strengthen and incorporate digitalization into knowledge transfer and communication.
- 7 Mechanization from Sowing to Harvest**
Introducing direct seeded rice, harvesting machinery, modern soil preparation, rice/staw collecting tractors and modern sowing equipment to reduce seed rates and save resources.
- 8 Improved Application Technique**
Using modern knapsack equipment and drones for precise product application, improving efficiency and minimizing environmental impact.
- 9 Water Management**
Implementing water management using Alternate Wetting & Drying (AWD) on fields to save water, support healthy rice development and reduce GHG emissions.
- 10 Quality Seeds - Foundation for Best Yields**
Using certified and hybrid seeds combined with seed treatments before sowing/planting.
- 11 SeedGrowth® Treatments**
Protecting emerging plants from diseases to establish healthy rice crops with fewer seeds per hectare.



For further information, visit our website:
www.forwardfarming.com

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