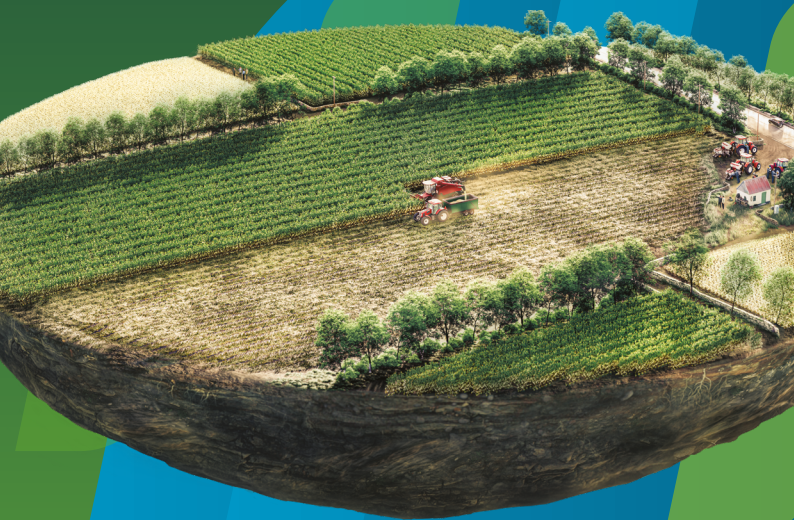


Empowering farmers
for a **resilient future.**

**Lishu Hongwang Agricultural
Machinery Farmers Professional
Cooperative –
China**



Forward ▶▶
Farming



Advancing Regenerative Agriculture in the Field

The Hongwang Agricultural Machinery Farmers' Professional Cooperative, located in Quanyan Gou Village, Lishu Town, Lishu County, was established in November 2007 with a registered capital of 10.1 million yuan. It covers an area of 10,000 m² and owns 80 sets of large agricultural machinery. The office occupies an area of 25,000 m², and the cooperative manages a total agricultural land area of 800 hectares.

Over the years, the cooperative has been recognized as a National Model Farmers' Cooperative, a New Type Agricultural Operating Entity for Full Mechanization in Jilin Province, and a Five-Star Agricultural Machinery Cooperative in Jilin Province, highlighting its outstanding achievements in agricultural mechanization and cooperative development.

Introducing

Lishu Hongwang Agricultural Machinery Farmers Professional Cooperative

Owned by:

Wendi ZHANG (Supervisor)



Location

The Third Community of Quanyangou Village, Lishu Town, Lishu County, Siping City, Jilin Province, China



History

The cooperative was established in November 2007 with an established capital of 10.1 million yuan.



Soil

Black soil



Crops

Corn



Partners

Lishu Experimental Station, China Agricultural University, Jilin Academy of Agriculture Science



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 solutions. 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 across multiple crops and 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.

Lishu Hongwang Agricultural Machinery Farmers Professional Cooperative

Farm Profile



- Practices
- Tools
- Inputs

Key Elements

- No tillage**
No-tillage practice with straw mulching and wide-and-narrow row rotation and fallowing to conserve the black soil from soil degradation and environmental challenges.
- Integrated weed management**
Glyphosate application on GM crops integrated with differentiated weed management solution. Early prevention can reduce competition between weeds and corn, creating favorable conditions for corn growth.
- Integrated disease management**
Effectively control major diseases and enhance photosynthesis, allowing corn to grow larger kernels, and increasing yield and quality.
- Water Protection**
Elimination of product residues in wastewater to minimize surface water and soil contamination.
- Product stewardship**
Crop protection products are purchased from a designated or accredited distributor. Use of personal protective equipment, safe storage of input materials, sanitary measures, etc. permit a high level of worker safety.
- Biodiversity**
Preservation of habitats and species through the conservation tillage.
- Partnerships**
Bayer ForwardFarming combines knowledge, experience, skills, and new technologies with partners to promote the growth of agricultural activity successfully and sustainably.
- Precision application**
Utilization of digital tool - drone application and selection of the right nozzles increase application efficiency and minimize environmental impact.
- Seeds**
Use of quality GM corn seeds adapted to local needs as the foundation for best yields.
- Seed growth treatment**
Seed growth treatments protect the seeds and the emerging plant against diseases and establish a healthy corn crop.



For further information, visit our website:

www.forwardfarming.com

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