

AgExpert Field: Sharing insights

About the technology: AgExpert Field is farm management software built specifically for Canadian agriculture. With customers in every province, and all sectors in Canadian agriculture and food production, AgExpert helps with recordkeeping at every stage to save time, stay organized and manage farm data with confidence.

Innovation Farms' Objectives

- Demonstrate the interoperability between John Deere Operations Centre and AgExpert Field.
- Use data from over 10 years of historical farming practices to optimize sustainable farm practices.



What this technology could unlock

Being able to track field performance crop-to-crop, field-to-field and year-to-year, from seeding through harvest will allow farmers to optimize decision-making for increased productivity, sustainability, and profitability.

Our approach

- Imported over 10 years of farm management data from John Deere Operation Centre into AgExpert Field.
- Analyzed data and shared insights gained from AgExpert Field data with collaborators to drive sustainability and productivity.
- Beta tested new features of AgExpert that track sustainability metrics.

Project collaborators: E M I L I AgExpert 

At Innovation Farms powered by AgExpert, EMILI provides innovators across industry and academia with access to leading-edge equipment, technology, and production practices to increase productivity, sustainability, and profitability across the agriculture and agri-food sector.

Innovation Farms project summary last updated: November 20, 2024

What we learned

- Interoperability with AgExpert and different data management platforms provides flexibility with using data coming from external sources. This creates a broader view of what is happening on-farm over time, allows the farm team to make informed decisions with their data, and enhances knowledge transfer with partnering organizations that wish to have access to farm data.
- AgExpert Field provides efficiency in data management by automatically populating field activities and events in its platform.
- Innovation Farms was provided the opportunity to beta test new updates using real on-farm data and share feedback. This included the sharing of farm data (fuel records, historical yields, and crop rotations) that supported the development of sustainability models.
- There is potential for future integrations with other Innovation Farms collaborators.



Innovation spotlight

AgExpert partners with smart farms across Canada, including EMILI's Innovation Farms powered by AgExpert. Some of the exciting work being done at smart farms includes applied research and the use of sensors, drones, and a variety of equipment to better understand their benefit in agriculture. This work helps provide confidence to producers for on-farm decisions and in the adoption of new technology.

Learn more about FCC AgExpert

AgExpert's integrated platform empowers farmers across the country to better manage their operations with a growing suite of digitized tools at their fingertips. Partnering with precision farming tools such as Holos, John Deere Operations Center, FieldView, GrainFox and others makes it easier to analyze data and identify cost-saving opportunities.



“It's incredibly interesting to learn about all the new technologies being developed to help producers continue to do what they love, more efficiently. The agriculture industry is constantly evolving in order to meet the many challenges farmers face which makes it exciting and dynamic.”

Chelsea Gray, Manager, FCC Smart Farm Network