

Promoting and Enabling the Industry's Transition to Digital Agriculture

AgGateway is working to ensure that crop production is driven by actionable data that is timely, relevant, accurate and complete. The result:

- More transparent and efficient supply chain processes;
- Producers and their partners can better leverage data to increase profitability and sustainability;
- Companies can optimize service to customers and their advisors.

Below are some recent AgGateway initiatives forwarding our mission in the crop protection sector.

Interoperability in field operations: AgGateway's work in field operations data standards sets the stage for better visibility of crop protection product movement, application and use, enabling stewardship programs and market analysis. This year AgGateway released the ADAPT ISO plugin, a major step forward for interoperability in precision agriculture. ADAPT (Agricultural Data Application Programming Toolkit) is an open-source project endorsed by major grower organizations, to help ag retailers, agronomists and growers better manage data and apply it to make improvements in their operations. In addition, a new irrigation standard will help growers evaluate weather, soil and crop data, to make more informed decisions for smarter energy and water use.



"Quick Connect" Session: In June AgGateway facilitated face-to-face meetings between trading partners, so that ag retailers, distributors, manufacturers and their software vendors could lay out concrete next steps to establish electronic connections. The goal is to streamline transactions – including for crop protection products – in price sheets, sales reporting, ordering, delivery, invoicing and inventory management, to boost efficiency, accuracy and productivity. More than half of participants say they're pursuing specific implementations, with major ramifications for their businesses.



Clarity in public warehouse orders: AgGateway's Crop Protection Council this year provided a solution when multiple location codes are used for public warehouses. Public warehouses often serve as a "ship from" or "pick up" location for ag products, and many manufacturers often share space within one warehouse. Now users can track and transfer ownership of products throughout the entire process and save time, reduce cross-reference challenges and solve inconsistency issues.



New Traceability Working Group: AgGateway launched a new traceability group this spring that has identified numerous points within the supply chain to improve electronic connections for traceability. The group has been prioritizing project areas and getting to work, with excellent participation across the AgGateway membership. The group sprang from work of the grain traceability project team, which is focused on ways to eliminate less efficient paper-based systems; to meet traceability goals of the Food Safety Modernization Act (FSMA); and more. Last October the team held a successful proof-of-concept demonstration on a Midwest grain farm.



A Focal Point for Implementation: AgGateway works closely with other organizations to adopt or adapt the best existing standards and guidelines, to foster digital agriculture. This year AgGateway and the U.S. Department of Agriculture (USDA) forged a groundbreaking agreement with the mission “to work as a team on data projects to benefit American farmers in the transition to digital agriculture.”



Deciphering Images from Satellites, Planes and Drones: Images from satellites, airplanes and drones can be used to detect drought, pest damage and other field characteristics. AgGateway’s new PICS standard (Post-Image-Collection Specification for Agricultural Remote Sensing) helps growers bring the images into their farm management information systems and convert them into actionable information, regardless of the system manufacturer.



ResponsibleAg Fertilizer Facility Certification: This spring AgGateway and ResponsibleAg launched a new look-up functionality that allows fertilizer manufacturers, distributors and retailers to quickly and automatically confirm that fertilizer locations they are doing business with are certified for safe fertilizer storage and handling.



AgGateway is a non-profit organization with the mission to promote and enable the industry’s transition to digital agriculture, and expand the use of information to maximize efficiency and productivity.

For more information:

- Contact us at Member.Services@AgGateway.org.
- Attend **AgGateway’s Mid-Year Meeting and Annual Conference**.
- Check out our 2-page **Case Studies** under “About Us” at www.AgGateway.org.

