

Our R&D organization strives to be the best at designing, discovering and developing innovations that create value for farmers and deliver consumer benefits in planet-friendly ways.



Key Sources of Differentiation



Germplasm

Developed through 90-plus years of expertise, our germplasm library is unparalleled in its breadth and depth, and is focused squarely on helping farmers improve their performance and profitability.



Targeted Breeding

Targeted breeding tools such as CRISPR enable us to explore the development of improved crops in years instead of decades, both in our labs and by licensing our industry-leading intellectual property to other innovators.



Digital Tools

We combine the latest advances in technologies, artificial intelligence, data analytics and agronomic insights to give farmers timely, actionable data they can use to make more informed decisions and make their operations less complex.



Environmental Impact and Sustainability

With more Green Chemistry Awards than any other company, we're building on our industry leadership in natural and naturally derived products by continuing to research new ways of helping farmers conserve the land that sustains them.



Integrated Solutions

Our industry-leading capabilities across seeds, crop protection and digital tools enable us to provide solutions that together create more value for farmers than any solution could on its own.

QUICK FACTS

Our open and agile agriculture research organization brings together worldwide resources:



5,000
scientists and researchers



2 innovation hubs:
• Johnston, Iowa
• Indianapolis, Indiana



150+ multi-platform R&D facilities in **32** countries



100+ crops

INDUSTRY-LEADING CAPABILITIES

Seed

- Genomics and breeding systems
- Biotech
- Advanced phenotyping

Crop Protection

- Chemistry discovery
- Formulation and process chemistry
- Natural products

Digital Tools

- Data analytics
- Predictive agriculture tools
- Farm management software

CLEAR INNOVATION PRINCIPLES



Market driven



Disciplined and accountable



Built to differentiate



Global yet local



Focused on productivity