



**SASKATCHEWAN
SCIENCE CENTRE**

Real science. Real fun!



The Saskatchewan Science Centre presents Richardson *Ag-grow-land*, a magnificent new permanent exhibit showcasing Saskatchewan's role in agriculture in the community, the province and the world.

Exhibit highlights:

Agriculture and the World

- Use the interactive touch screen and map to see where food produced in Saskatchewan ends up around the world.

The Barn

- Enter the miniature barn to watch a video of a calf being born.
- Learn about different kinds of livestock in Saskatchewan.
- See cutaway models of cow droppings and learn all about this ubiquitous—and stinky—byproduct.

The Homestead

- Stand in front of the farmhouse and fill your basket full of wheat with spaghetti “roots”, saskatoon berries with saskatoon jam roots, lentils with lentil soup roots, then scan the barcodes for more information about these common Saskatchewan crops.
- Help put together a giant magnetic puzzle that shows how newly sprouted crops grow up into majestic fields of grain.

The Terminal

- Learn about grain storage and movement in this 20-foot climbing structure shaped like a Pioneer inland terminal.
- Sit in the kid-sized combine, turn it on and feel the rumble, then watch through the plasma screen windows as your grain is harvested.
- Drop your grain into the toy-sized grain trucks, then drive the trucks across to the terminal for unloading.

Terminal Office

- Have a look through the microscope at the pests that have been eating your crops.
- Learn about what crops need to grow.
- Hit the button when crop prices are highest to make sure you sell when markets are good.

The Boat

- Climb up onto the boat and decide where you'd like to send your grain, then move it through the tubes to the right compartment.

Innovation in Agriculture

- Have a seat in our classroom and learn about all of the most recent innovations in agriculture.

Sponsored by



Agriculture in Saskatchewan



Agriculture remains the single largest goods-producing sector of the Saskatchewan economy. Saskatchewan, with 44% of Canada's farmland, is a major producer of crop products.

Saskatchewan's agricultural sector accounts for about 50% of Canada's wheat production, 80% of its durum production, 33% of its barley production, and 43% its canola production. Saskatchewan alone accounts for 10% of world trade in wheat, 60% in durum, and 40% in canola. Plus, Saskatchewan accounts for more than 95% of the lentils grown in Canada each year. Crop production accounted for \$5.1 billion in farm income in Saskatchewan in 2007.

Although wheat and oilseed farms are still best known in Saskatchewan, about half as many farms raise beef cattle. In fact, Saskatchewan is the second-largest beef-producing province in Canada, behind Alberta. Livestock and poultry accounted for \$1.7 billion in farm income in Saskatchewan in 2007.

The Project

Planning for Richardson *Ag-grow-land* began approximately five years ago. Richardson International Limited was the catalyst for the project, bringing together other agricultural industry leaders including the Agricultural Council of Saskatchewan, Monsanto Canada Inc., the Province of Saskatchewan, Rabobank, Mosaic Company and Yara Belle Plaine Inc.

The Saskatchewan Science Centre



The Saskatchewan Science Centre is a non-profit, non-governmental educational facility with the mission of igniting scientific curiosity and innovation in Saskatchewan communities through interactive, dynamic and engaging opportunities. Our vision of the future, in fulfilling that mission, is *inspired minds through science and innovation*. The Science Centre is one of Saskatchewan's largest family tourist attractions with close to 4 million visitors since its opening in 1989.

Richardson Ag-grow-land Sponsors

Richardson International Limited

Richardson International Limited, a subsidiary of James Richardson & Sons, Limited, is the largest privately owned Canadian agribusiness. It handles all major grains, oilseeds, and special crops and sells crop inputs and related services through ag business centres throughout Canada.



Richardson International Limited, which has over 1,400 employees, is also actively involved in food processing through its subsidiary Richardson Oilseed Limited.

Saskatchewan Ministry of Agriculture



**Saskatchewan
Ministry of
Agriculture**

The mandate of the Ministry is to foster a commercially viable, self-sufficient and sustainable agriculture sector. Working with individuals, businesses, communities, and governments, the Ministry will assist farmers and ranchers, encourage higher value production and processing and promote sustainable economic development in rural Saskatchewan. The Ministry also has a keen interest in youth and youth initiatives, as young people will play a critical role in the future of the Agriculture industry in Saskatchewan.

Agricultural Council of Saskatchewan



ACS plays a unique role in Saskatchewan. ACS is the secretariat for the Agriculture and Agri-Food Canada funded Advancing Canadian Agriculture and Agri-Food Saskatchewan (ACAAS) program, and its predecessor, the Canadian Adaptation and Rural Development in Saskatchewan (CARDS) program. ACS is also the secretariat for the Biofuels Opportunities for Producers Initiative (BOPI), which is also funded by Agriculture and Agri-Food Canada.



The mission of ACS is to provide leadership and programming to advance the agriculture and agri-food sector, contributing to a healthy Saskatchewan community.

To fulfill this mission, ACS has programs targeted at agriculture and agri-food communities, including the Saskatchewan Agri-Food Value Chains Initiative, the Student Assisted Business and Marketing Plan Program, the Agriculture Mentorship Initiative, the Food Professionals Management Program, and the Centre for Agribusiness Training and Education (CATE).

ACS's member organizations include provincial organizations with an interest in advancing agriculture, agri-food and communities in Saskatchewan. Supporters of ACS are provincial, regional or local organizations, groups or individuals with an interest in advancing agriculture, agri-food and communities in Saskatchewan.

Rabobank



Rabobank is the premier bank to the global food and agriculture industry, providing a full suite of financial services to farmers, ranchers and agribusiness companies worldwide. Its unparalleled agricultural expertise, century of banking experience, and unwavering commitment to agriculture make Rabobank the bank of choice for clients around the globe.



For more than a decade, Rabobank has been serving the financial needs of Canadian agribusiness, and today is a financial partner to leading food and agribusiness companies throughout Canada. Through a co-venture with Richardson International Limited, Rabobank now helps to meet the financial needs of thousands of farmers across Canada.

As a global financial services leader specializing in agriculture, Rabobank understands the interconnected nature of the global agricultural industry and the integral role that Canada plays in it. Rabobank is proud to support the Saskatchewan Science Centre's new Richardson *Ag-grow-land* exhibit, which will offer an interactive environment highlighting the significance and innovation of modern day agriculture, and to be the exclusive sponsor of the "Agriculture and the World" exhibit.

Rabobank: The financial link in the global food chain™.

Monsanto Canada Inc.



Monsanto Company is an agricultural company and a leading global provider of technology-based solutions and agricultural products that improve farm productivity and food quality. Monsanto remains focused on enabling both small-holder and large-scale farmers to produce more from their land while conserving more of our world's natural resources such as water and energy.

Headquartered in Winnipeg, Monsanto Canada offers Canadian farmers a full line of canola, corn and soybean seed and works with industry partners to broadly license biotechnology traits including Genuity™ Roundup Ready® technology for canola, corn and soybeans and YieldGard® insect protection for corn. We also market a range of crop protection products including the Roundup® brand of herbicides that have been instrumental in helping farmers reduce tillage and adopt more sustainable farming practices.

Globally – with its head office based in St. Louis, Missouri - Monsanto Company invests over \$2 million a day to look for and bring to market the innovative technologies our farmer customers tell us make a difference on their farms.

Monsanto is a strong supporter of organizations and programs that share our passion for enhancing agricultural awareness and providing opportunities for students to learn about today's modern and innovative agricultural practices. We are pleased to offer our support to the new Richardson *Ag-grow-land* exhibit at the Saskatchewan Science Centre and believe it will make a positive contribution to educating today's youth about agriculture and the important role agriculture and farmers play in their daily lives.

To learn more about Monsanto's business and our commitments visit www.monsanto.com.

Mosaic Company

The Mosaic Company is one of the world's leading producers and marketers of concentrated potash and phosphate crop nutrients. Mosaic is a single source provider of phosphates and potash fertilizers and feed ingredients for the global agriculture industry. Our operations are vertically integrated from the mining of resources to the production of crop nutrients, feed and industrial products for customers around the globe. Our customer base includes wholesalers, retail dealers and individual growers in more than 40 countries. Mosaic employs approximately 7,400 people in eleven countries. Mosaic operates four mines in Saskatchewan in Belle Plaine, Colonsay and Esterhazy. More information on the company is available at www.mosaicco.com.



Yara Belle Plaine Inc



Yara International ASA (Yara) is a global chemical company that converts energy, natural minerals and nitrogen from the air into essential products for the farming community. Yara currently has over 8,000 employees and operates facilities and offices in over 50 countries around the world. Yara is currently the world's largest producer of mineral fertilizers, representing about 8% of the world's production capacity.

Yara's first foray into Saskatchewan came in October of 2008, when Yara purchased Saskferco Products located in Belle Plaine Saskatchewan. After the Saskferco purchase was finalized, the company was renamed Yara Belle Plaine Inc and is now one of 25 Yara owned plants operating around the world. Although the company has a new name, its commitment to enhancing the community, has remained the same. At Yara Belle Plaine, we are proud to partner with the Saskatchewan Science Centre, as it unveils Richardson *Ag-grow-land* exhibit as the newest educational experience at the Saskatchewan Science Centre.

Enterprise Saskatchewan



Enterprise Saskatchewan is a bold and innovative approach to creating sustainable economic growth in Saskatchewan. It is a special operating agency for co-ordinating the province's growth agenda. Led by a board composed of a comprehensive cross-section of economic development and community stakeholders and leaders, Enterprise Saskatchewan has one ultimate goal: reducing impediments and barriers to growth to ensure the province has a competitive environment that attracts investment from anywhere, at every level. The agency is partly an economic advisory board, focused on pushing the competitive envelope sector by sector to generate more thought-provoking analysis. The agency is also partly an overseer of the province's marketing, regional development and investment attraction efforts across all our key economic sectors. The core competency of Enterprise Saskatchewan is collaboration. Eighteen sector teams comprised of the top business, applied research and industrial leaders serve as strategic advisors to guide the growth of each key sector of the province. In addition, the competitive agenda of Saskatchewan is being driven through issues councils. Separate sets of industry advisors are focused on strategic change and common policy challenges that extend across all economic areas – including regulatory modernization, accelerated growth of a more entrepreneurial culture, enhanced labour force strategy, and more youth engagement in the economy.



www.sasksciencecentre.com