

Saskatchewan's **BIOSCIENCE** RESOURCE GUIDE



**SASKATCHEWAN
BIOSCIENCES** 





Saskatchewan: Bioscience and an emerging agri-value industry.

This directory serves to showcase the broad range of companies and organizations that contribute to science, innovation and agri-food business in Saskatchewan.

As of the printing of this book, the world is in the middle of a health and economic crisis; the year 2020 will forever be thought of as the year of COVID-19.

The role of science for preserving our society has never been so clear. Scientists around the globe are racing to develop tests, vaccines, anti-virals and other treatments. At Saskatchewan's Vaccine & Infectious Disease Organization-International Vaccine Centre (VIDO-InterVac) researchers are working around the clock to develop a vaccine.

This crisis has also shone a light on the value of the agri-food sector. As an agriculture province with around 40 per cent of Canada's arable land and crop and livestock expertise, Saskatchewan has an important role ahead in helping to keep the food supply stable.

The pandemic has overshadowed worries of climate change or global population growth, but Saskatchewan scientists continue to work on the task of meeting the increased need for food that will come with 30 per cent more people living on the planet. Demand for high-quality protein—both from meat and plants—creates an opportunity for Saskatchewan, as this region is rich in both. Saskatchewan scientists have developed a diversity of crops, from fruits, to grains, oilseeds, and pulse crops.

A thriving research cluster centred at the University of Saskatchewan (USask) campus and Innovation Place technology park in Saskatoon, includes public and private research organizations, such as Agriculture and Agri-Food Canada, the Canadian Light Source, Global Institute for Food Security, Global Institute for Water Security, National Research Council Canada, the Saskatchewan Research Council, the Toxicology Centre, and VIDO-InterVac. Off campus, the Agri-Food Innovation Centre at the Saskatchewan Food Industry Development Centre is a key player in the value-added sector.



USask facilities include greenhouse space, controlled environment chambers, and around 5,000 acres of land next to the campus that is dedicated to plant research. University and government scientists, as well as private companies, have easy access to advanced imaging at the Canadian Light Source (Canada's only synchrotron facility), the Saskatchewan Structural Sciences Centre, and Saskatchewan Centre for Cyclotron Sciences, a world-class facility for nuclear imaging.

Innovation Place is just a short walk from the USask campus. The technology park sits on 80 acres, houses 20 buildings with 1.3 million square feet of space, and is home to 115 tenants employing over 2,700 people. Innovation Place helps grow Saskatchewan's technology sector and serves as a gathering place for industry meetings, workshops and networking events.

A couple hours' drive to the south, the University of Regina also supports the province's bioscience and agri-food sectors, with expertise in precision agricultural technology, advanced plant imaging techniques, microbial genomics, water and waste management, climate modelling, public policy, psychology and economics.

All this infrastructure and expertise in proximity encourages collaboration and a sense of community. With the support of this cluster—along with a business-friendly provincial government that promotes science-based policy—the bioscience and agri-food sectors are growing, with new companies emerging around the province.

This book lists a wide variety of organizations with activities in Saskatchewan, from R&D, to production, to business support and funding. If you are looking for research collaborations, investment opportunities or a place to set up shop, browse to discover what Saskatchewan has to offer—from agri-food to vaccines!

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****Post-print additions***

Ag-West Bio

Ag-West Bio is Saskatchewan's bioscience industry association. A membership-based not-for profit, our members include companies of all sizes, public research institutions, service providers, economic development organizations, and producer groups. A wide range of activities are represented, including agricultural biotechnology, value-added food processing, health and nutrition, bioproducts, and environmental science.

Funding for Ag-West Bio is provided by the Government of Canada and Saskatchewan Ministry of Agriculture through the Canadian Agriculture Partnership (CAP), a federal-provincial-territorial initiative.

Ag-West Bio 101 - 111 Research Drive, Saskatoon, SK S7N 3R2
(306) 975-1939 • info@agwest.sk.ca • www.agwest.sk.ca



Ag-West Bio has been a catalyst and a connector in Saskatchewan's bioeconomy since 1989. We help to develop partnerships and industry growth by aiding strategic alliances, disseminating information, and providing entrepreneurs and startup companies with advice, training and funding. Our events keep the community connected and informed.

Ag-West Bio partners with like-minded organizations across the country to create government awareness of the industry, and to support the development of a transparent and efficient policy and regulatory framework in Canada.

The Diverse Field Crops Cluster (DFCC) is an agri-science cluster led by Ag-West Bio, with funding from Agriculture and Agri-Food Canada's Canadian Agricultural Partnership program and industry partners. DFCC supports the research and development of seven high-potential, special crops: camelina, canaryseed, flax, hemp, mustard, quinoa, and sunflower. DFCC aligns industry and research stakeholders to seize market opportunities and accelerate the acreage and market returns of these crops.



Agricultural Bioscience Innovation Centre (ABIC)

ABIC has evolved and re-emerged as the **ABIC Speaker Series**, which will feature inspiring speakers to share their passion for science with the public and inspire local entrepreneurs. Recently, ABIC received funding from Brent Zettl, CEO of ZYUS Life Sciences, to provide an entrepreneur training program. Entitled *Beyond Entrepreneurship: Building an Agri-Value Business*, the program includes two in-depth learning modules: *Building Entrepreneurial Leadership* and *Building a Winning Plan: Agricultural Processing Business Plan Training*.

Ag-Quest

Ag-Quest provides independent contract agricultural research services in the fields of efficacy, GLP-compliant residue trials, variety development and assessment, and confined field trials.

Contact us to discuss how our services can meet your needs or for a specialized quote for your project.

Ag-Quest Saskatoon, SK; Ridgedale, SK; Minto, MB; Elm Creek, MB; Taber, AB
Head Office: Box 144, Minto, MB R0K 1M0
(204) 776-2087 • dana.maxwell@agquest.com • www.agquest.com

Ag-Quest is your first choice for contract research in Western Canada. Our four research stations offer access to most major growing zones and climatic regions in the area. Ag-Quest stations are located at Minto MB, Elm Creek MB, Saskatoon SK and Taber AB. At each station, a full complement of experienced research personnel is ready to serve you.

President's Message

Ag-Quest has been providing high quality research services to the agricultural community since 1983, and has gained the confidence and respect of national and international clients by focusing on three key areas:

- Application of sound scientific principles to field trials
- Application of knowledge and experience in commercial farming to protocol development, and
- Maintaining a competent, professional staff

Ag-Quest provides services in the disciplines of i) product efficacy (pesticides, fertilizers, growth regulators, inoculants, etc.), ii) pesticide environmental fate (GLP compliant field and greenhouse crop residue trials as



well as aquatic and terrestrial dissipation studies), and iii) plant variety services (breeding, selection, multi-site yield and disease assessments, registration, plant breeders rights trials, as well as confined field trials). Limited demonstration trial services are also available. Each of these divisions has a dedicated Project Coordinator who can assist you with your research projects.

Our commitment to client satisfaction with quality scientific research makes Ag-Quest the provider of choice for fulfilling your research needs and objectives. We invite you to call and discuss your research needs with our experienced Project Coordinators.

*Dana Maxwell, President,
(P.Ag., M.Sc. (Ag.), B.Sc. (Ag.))*

AgraCity Crop & Nutrition Ltd.

AgraCity is a Canadian-owned and operated agricultural solutions provider offering a wide selection of affordable high-quality crop inputs including crop nutrition, crop protection and digital agronomy solutions, directly to farmers across Canada.

AgraCity Crop & Nutrition Ltd. 320 - 22nd Street East, Saskatoon, SK
1-844-269-3276 • info@agracity.com • www.agracity.com

AgraCity

AgraCity has the largest selection of affordable crop protection products and the most efficient distribution program in Canada. We source premium products from around the globe to ensure we have the highest quality product available.

AgraCity eliminates the middlemen in the distribution chain by delivering our products directly from manufacturer to your farm. By streamlining the distribution channel, we can save the average Canadian farm 20-30 per cent on their annual crop inputs. AgraCity is so confident in our product quality we are the only crop protection supplier that has a 100 per cent product performance guarantee!

AgraCity also provides the most advanced drones and digital agronomy program in the industry. We utilize innovative camera technology powered by artificial intelligence analysis that takes field scouting to a level well beyond



previously possible. We also offer growers the most advanced variable rate programs by targeting fertilizer and crop protection applications. AgraCity prides itself as being Canada's leading solutions provider, battling high prices for Canadian farms.

Agriculture and Agri-Food Canada Saskatoon Research and Development Centre

The Saskatoon Research Centre performs agricultural research and innovation, and creates synergies with other organizations in the areas of:

- 1) integrated crop management;
- 2) sustainable management of clubroot on canola;
- 3) integrated strategies for genetic improvement of oilseed, legume, and forage crops;
- 4) genetic resource conservation, characterization and utilization; and
- 5) bioproducts and bioresources.

Agriculture and Agri-Food Canada

Saskatoon Research and Development Centre
(with research farms at Melfort, Scott and Outlook)
107 Science Place, Saskatoon, SK S7N 0X2

Dr. Tim Dumonceaux, Associate Director, Research Development and Technology

(306) 385-9311 • aafc.srdcmangement-gestiondescrd.aac@canada.ca • www.agr.gc.ca





Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

The Saskatoon Research and Development Centre is located on the campus of the University of Saskatchewan in Saskatoon and has research farms at Saskatoon, Melfort, Outlook, and Scott in Saskatchewan. The Centre is located within a vibrant science cluster on campus that includes the University of Saskatchewan and numerous private and public research organizations operating from the Agricultural Innovation Centre.

The Centre develops integrated crop management strategies for sustainable cropping systems on the Canadian prairies. In response to an emerging priority, the Centre is leading research to develop sustainable management of clubroot on canola. Research is focused on developing integrated strategies for genetic improvement of oilseed, forage and legume crops. The Plant Gene Resources of Canada at the Saskatoon Research Centre is an important international repository of crops and selected wild relatives and native species of significance to



Canada. Saskatoon also maintains and manages the national animal genetic resources program.

The Centre conducts research in bioproducts and bioresources for the emerging bioeconomy. Research programs at the Saskatoon Research Centre are conducted in collaboration with local, national and international stakeholders to leverage global resources, generate knowledge and develop innovative technologies that enhance the competitiveness and environmental sustainability of the agriculture, agri-food and agri-based product sectors.

Agriculture in the Classroom (Sask) Inc.

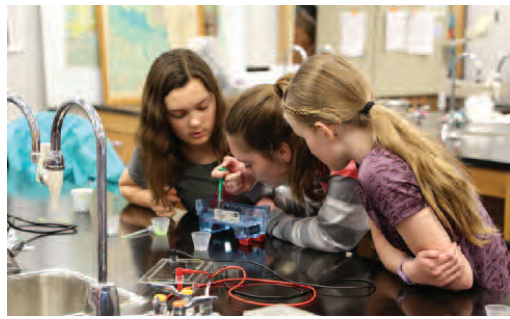
Agriculture in the Classroom (Sask) Inc. (AITC-SK) is a registered charity. We partner with the agriculture and education communities to connect kids and agriculture through innovative, experiential, curriculum-based programs and resources. AITC-SK thrives on creating memorable and meaningful learning experiences by engaging students in hands-on programs and resources that contain accurate, balanced, current and science-based information.

Agriculture in the Classroom (Sask) Inc. 3830 Thatcher Avenue, Saskatoon, SK S7R 1A5
(306) 933-5224 • programs@aitc.sk.ca • www.aitc.sk.ca

Young people today are hyper-connected to vast amounts of information from a very young age. With the click of a button, they can find answers to even their most curious questions. In a world full of false and misleading information, especially when it comes to our food, how can we help young people find the truth?

At AITC-SK, we believe it is more important than ever to inspire the next generation to care about the food they eat, where it was grown, and the farmers who grew it. But it is crucial that these consumers of the future get the balanced, fact-based information they need to make good choices. AITC-SK is committed to developing and delivering high-quality educational resources and programs that build understanding, respect, and support for Saskatchewan food producers. We inspire curiosity and create opportunities for students to build personal connections with food and agriculture.

As students reach Grades seven to 12, the agricultural learning experiences we provide a greater focus on science, technology and careers in agriculture. AITC-SK hosts the *thinkAG Career Expo* and *Biotech Blast* each year where students personally meet professionals from fields such as research and innovation, food development, biotechnology, animal science, and more. The professionals



guide students through hands-on activities that allow them to truly ‘experience’ science and what that job entails.

By delivering in-school learning experiences such as *Bacterial Transformation*, *BSE Gel Electrophoresis*, or *Science and Society for Science 9* activities we connect students to a greater awareness and understanding of biotechnology in Saskatchewan. *The Agri-Environment: Exploring a Healthy Relationship with the Land* resource kit engages students in exploring sustainability and environmental stewardship through an agriculture lens. AITC-SK also provides learning opportunities for teachers to bring local relevance to their high school science curriculum. Through our *Biotech Workshop* and *Teacher Agriculture Expedition* teachers expand their understanding of biotechnology and agriculture in Saskatchewan so they can answer their students’ questions, easily connect real-life examples to textbook examples, and inspire their students to consider a career in biosciences and agriculture.

If you care about the future of agriculture, please help us share the truth about Saskatchewan’s incredible food story with our young people by getting involved today. For more information, visit www.aic.sk.ca.

AGT Foods

AGT Foods is a global leader in value-added processing of pulses, grains, staple foods and ingredients. AGT Foods was founded on the principle ‘From Producer to the World,’ buying from farmers around its facilities and processing and exporting its non-GMO pulses and milled durum wheat products to 120+ countries worldwide.

AGT Foods 6200 East, Primrose Green Drive, Regina, SK S4V 3L7
101 - 203 Stonebridge Blvd., Saskatoon, SK S7T 0G3
(306) 525-4490 • info@agtfoods.com • www.agtfoods.com



AGT Foods is a global leader in value-added processing of pulses, grains, staple foods, ingredients and texturized proteins for export and domestic markets. AGT Foods was founded on the principle 'From Producer to the World,' buying pulses, grains and specialty crops from farmers around its facilities in Canada, Turkey, the U.S., Australia and South Africa, and processing and exporting its non-GMO, gluten-free and non-allergenic pulses and milled durum wheat products to over 120 countries around the world.

AGT Foods is an active exporter to all geographic regions, serving a

network of customers in the Americas, Europe, Africa and Asia. The company currently employs over 2,000 full-time staff. The core business of AGT Foods is supplying customers with premium quality pulses, staple foods, pulse ingredients and texturized proteins. With its facilities in Turkey through the Arbel Group, AGT Food and Ingredients also offers beans, rice, milled durum wheat and bulgur products. Through the Arbella and Pastavilla brands, AGT Foods offers a full line of packaged pasta products for the domestic Turkish market that is also exported to over 90 countries around the globe.



Avena Foods

Avena Foods Limited was established over a decade ago by pedigreed farmers committed to growing pure gluten-free oats for people with gluten-intolerances. Today, Avena has three locations on the Canadian prairies with exemplary food safety systems and farm-to-plate traceability, milling gluten-free Avena Purity Protocol oats and pulses for sale throughout the world.

Avena Foods 316 - 1st Avenue East, Regina, SK S4N 5H2
(306) 757-3663 • info@avenafoods.com • www.avenafoods.com



Avena Foods Limited was started in 2008 by a group of farmers committed to providing pure gluten-free oats for the benefit of people with celiac disease and gluten intolerance. In 2018, Avena Foods welcomed a new partner, **Best Cooking Pulses, Inc.**, a family-owned agri-foods company that had been active in the international pulse trade since 1936. Together, Avena Foods is committed to providing high quality gluten-free ingredients that are traceable back to the farm.

Avena Foods offers ranges of healthy, sustainable ingredients that are non-GMO and available in both conventional and certified-organic:

Purity Protocol Ingredients:

Pure oat ingredients for people with celiac disease, gluten sensitivity, or wheat allergies. Certified Gluten-Free, guaranteed <5 parts per million gluten, free of labelled allergens for oatmeal, granola, oat-based bars and snacks, baked goods.



Best Food Ingredients:

Pulse flours and grits, cracked pulses, as well as oat hull fibre, pea hull fibres and egg replacers for extruded puffed snacks, baked goods.

Best Cooking Pulses:

Naturally polished green and yellow split peas, cleaned peas, beans, chickpeas and lentils.

Best Companion Ingredients:

Peas, beans, chickpeas, lentils, and oats, as well as flours, grit, and fibres for pet food manufacturing.

For safe, healthy diets and a sustainable world

BASF Canada

BASF's Crop Protection division works with farmers, agricultural professionals, pest management experts and others to bring technology to our industry.

With our cooperative relationships, BASF is able to sustain an active R&D pipeline, an innovative portfolio of products and services, and teams of experts in the lab and in the field to support customers in making their businesses succeed.

In 2016, BASF's Crop Protection division generated sales of more than €5.6 billion.

BASF Canada 100 Milverton Drive, 5th Floor Mississauga, ON L5R 4H1
411 Downey Road Ste 1, Saskatoon, SK S7N 4L8 (306) 652-6744
1-877-371-BASF (2273) • basf@agsolutions.ca • www.agsolutions.ca



We create chemistry

Farming today is more complex than ever before. The unpredictability of the weather, control of pests and weeds, market price development, scarcity of natural resources, all this in a world heading toward 9 billion people. These challenges demand BASF to continue its commitment to creating innovative solutions for growers, supporting them with the task of nurturing a hungry planet.

As an industry leader with a broad portfolio of fungicides, insecticides, herbicides and seed treatments, BASF aspires to help farmers sustainably increase the yields and the quality of their crops. By nurturing a culture of innovation in alignment with customers' needs, our technologies aim to ensure that crops grow healthier, stronger and more resistant to stress factors, such as heat or drought.



Bayer

Bayer is a global enterprise with core competencies in the life science fields of health care and nutrition. Its products and services are designed to benefit people by supporting efforts to overcome the major challenges presented by a growing and aging global population. Bayer is committed to the principles of sustainable development, and the Bayer brand stands for trust, reliability and quality throughout the world.

Bayer (head office) 130 - 160 Quarry Park Blvd SE, Calgary, AB T2C 3G3
(403) 723-7400 • info@bayercropscience.ca • www.cropscience.bayer.ca



Bayer's **Crop Science** division is a world-leading agriculture enterprise. In Canada, the Crop Science division offers growers a wide choice of tailored solutions with an integrated product portfolio of seeds – which includes its DEKALB® brand of canola, corn and soybean – plant traits, crop protection products, seed treatment technologies, and digital farming solutions – powered by FieldView®. Bayer is committed to providing Canadian farmers with

home-grown solutions to excel their crop production well into the future.

The **Environmental Science** operating unit provides products and services for professional non-agricultural applications, such as vector and pest control, and forestry.

As a top employer in Canada, the Crop Science division employs over 450 people, spanning 22 research, breeding, production and office sites across the country.



Biolin Research Inc.

Biolin processes and sells a variety of types of flax fibre, hemp fibre, flax shive and hemp hurd. The company also conducts agronomic, processing, characterization testing, and product development for itself and for industry clients to add further value and profits to products made from flax straw and hemp stalks.

Biolin Research Inc. Box 27059, Saskatoon, SK S7H 5N9
(306) 257-1220 • aulrich@biolin.sk.ca • www.biolin.sk.ca



Biolin has spent more than a decade developing non-traditional ways to grow, manage, test, and process oilseed and fibre flax straw to profitably produce flax fibre and shive and to increase the value added potential of products made from flax straw, fibre and shive. Recently, Biolin has been doing similar activities with hemp stalks, hemp fibre and hemp hurd.

What happens in the field as flax and hemp plants are growing has the biggest impact on both the quantity and quality of products that can be produced from flax straw and hemp stalks. Hence Biolin has spent a considerable amount of effort to develop cost-effective techniques that will improve the profit potential of flax straw and hemp stalks. Processing has the second greatest impact on quality, value, and profitability. Biolin has also devoted much effort in its pilot plant to find better ways to process these materials.



Biolin continues to work with farmers, as well as existing and potential new end users, to increase the sales, applications, and profitability of products based on the production and processing of flax straw and hemp stalks.

Bioriginal Food & Science Corp.

Bioriginal is a global leader in delivering complete nutritional solutions to the food and nutraceutical industries from a broad portfolio that includes plant and marine-based oils, seeds & grains, protein products, nutraceuticals and botanical ingredients.

Bioriginal Food & Science Corp. 102 Melville Street, Saskatoon, SK S7J 0R1
(306) 975-1166 • business@bioriginal.com • www.bioriginal.com

Bioriginal

Anticipate • Innovate • Grow

Bioriginal is a global leader in manufacturing natural nutritional foods, ingredients and supplements for food and beverage companies. For over 25 years, Bioriginal has carved out a niche by scientifically combining ingredients from all over the world – directly from the source – to create innovative and efficacious solutions.

Developing proprietary methods and systems, Bioriginal provides customized turnkey solutions for our customers that help them

compete and win in a highly competitive space. Bioriginal's wide portfolio includes plant and marine-based oils, seeds & grains, protein products, nutraceuticals and botanical ingredients.

Bioriginal is headquartered in Saskatoon, Canada with facilities throughout the U.S., Europe and Asia.

Bioriginal is a member of the Cooke family of companies. For more information, visit bioriginal.com.



BioTalent Canada

BioTalent Canada™ is the HR partner and catalyst for growth in Canada's bioeconomy. Our engagement with employers, associations, post-secondary institutions, immigrant serving agencies and service providers has built a dynamic network that is identifying labour market needs, strengthening skills, connecting job-ready talent to industry, and creating opportunities.

BioTalent Canada 650 - 130 Slater Street, Ottawa, ON K1P 6E2
(613) 235-1402 • info@biotalent.ca • www.biotalent.ca



As the HR partner for the Canadian bioscience and life science sector, BioTalent Canada works closely with its stakeholders to provide thought leadership in HR solutions to help bioeconomy employers navigate the challenges of recruitment and retention. Their initiatives focus on three key areas:

- Labour market intelligence
- Professional development
- Talent management

Through the delivery of their programs and services, BioTalent Canada has supported growing businesses in their effort to attract and retain highly skilled talent. Since 2005, they have successfully placed over 2,000 job seekers into the bioeconomy through the funding of human capital.

Funding programs offered through BioTalent Canada not only help offset the costs of onboarding new talent, they help employers develop young talent ready to drive their innovations.



Among their most successful programs, the Student Work Placement Program has helped over 1,100 students gain career-ready experience with over 370 different biotech employers.

The Student Work Placement Program and other talent funding opportunities are currently accepting applications from employers.

Blair's Family of Companies

Blair's Family of Companies is an integrated agricultural retailer with a proud tradition of providing leading edge crop nutrition, crop protection, agronomy and livestock solutions for our customers. Started near Drake, Saskatchewan in 1948, Blair's is a fourth-generation family company co-owned by Kevin Blair and Darren Blair. Our agriculture retail locations are currently located in the communities of Lanigan, Nokomis, Watrous, Liberty, McLean, Lipton, and Rosthern.

Blair's Family Companies Box 610, Lanigan, SK S0K 2M0
(306) 365-3150 • emily@blairs.ag • www.blairs.ag



Blair's Family of Companies began in 1948 in Drake, Saskatchewan, when Sandy and Lindsay Blair imported the first rail car of bulk fertilizer into Saskatchewan. Since then, Blair's continues with firsts, committed to keeping farmers profitable and competitive. Seven locations and a state-of-the-art fertilizer terminal ensure prompt, reliable service during the busiest of seasons. Blair's extensive training and development of our team ensures our employees are second to none in delivering knowledgeable solutions for farms and ranches.

Blair's team of agriculture specialists, combined with Blair's 72 years of experience with local growing conditions, proven ag technologies, and the best training available, mean we will formulate customized approaches to our customers' particular challenges, whether they be weather, profitability or pests. Blair's agronomists use nutrient and tissue tests, aerial imagery and scouting as needed to engineer timely, profitable solutions to transform information into answers.



Boreal Heartland

Wild products for the world through local hands

We focus on providing premium quality items made from plants sustainably harvested from the Saskatchewan boreal forest by Indigenous people. If you want tremendous flavour, natural ingredients, or reconnection with a simpler life, Boreal Heartland is the brand to choose.

Boreal Heartland 319 Husky Avenue, Air Ronge, SK S0J 3G0
(306) 425-4778 • office@kcda.ca • www.borealheartland.ca



Our mission is to provide sustainably harvested, high quality, boreal Saskatchewan herbs to the world market, with a focus on the wholesale and distribution levels. Currently we sell bulk herbs and dried mushrooms, and we produce and package our own tea blends. We will be expanding into birch water beverages and essential oils in 2020. Our bulk herbs include yarrow, sweet gale, spruce and juniper which have been used by breweries and distilleries.

Scientific literature reviews show potential for other commercial applications based on boreal herbs. Sarsaparilla extracts have been shown to be effective against cancer cells. Bearberry leaf extract has been patented as a food preservative. Besides developing our own products, we are interested in partnering with others to create more commercial uses for boreal non-timber forest products.

Our goal is to develop the non-timber forest product sector



in northern Saskatchewan to the point where it is a major contributor to the regional economy.

Northerners have an incredible amount of knowledge, but it does not always translate into cash paying jobs. We pay good wages for our pickers' ecological knowledge and skill. Many of our pickers harvest off their family traplines which increases their ability to perpetuate cultural practices.

Canada Golden Cooking Oil, Ltd.

Canada Golden Cooking Oil Ltd. (CG) is based in Moose Jaw, Saskatchewan. As part of CG Group, we are committed to the production, development, import and export of high-end edible oil and advocate the healthy use of oil in daily life.

Canada Golden Cooking Oil, Ltd. 188 - 115 Main Street North, Moose Jaw, SK S6H 4Y4
(306) 987-1234 • admin@canadagolden.com • www.canadagolden.com



CG Group is a full-industry chain group that specializes in the production, processing and sale of non-GMO camelina and canola oil, as well as the sale of the processed meal.

Our goal is to promote the precious value of *Camelina sativa* seed oil as a healthy and safe use in daily life. CG Group is responsible for promoting our product to domestic and foreign markets as well as to the general public. Based on Canadian quality, using Canada's camelina seed oil, real health and

beauty will reach thousands if not millions of households.

Canada Golden Camelina Oil is our main product. Our target is the healthy edible oil market. Camelina oil is a non-GMO, cold-pressed edible oil that is rich in polyunsaturated fatty acids such as Omega-3, 6, and natural antioxidant vitamin E. It has a high smoke point of 246°C which makes it perfect for everyday use and in all types of cooking. Our camelina oil won the award for the best oil in the 2018 Grocery & Specialty Food West show.



Canadian Carnation BioProducts Company

Canadian Carnation BioProducts Company (CCC) develops and sells starches, saponins, proteins and peptides from the Prairie Carnation crop to industry customers. We develop sustainable bioproducts of high added value for various industries, initially surfactants, emulsifiers, and fine powders for energy wheels, biological crop protection, cosmetics and pharma.

Canadian Carnation BioProducts Inc 3 Simpson Crescent, Saskatoon, SK S7H 3C5
(306) 491-4912 • Geeta.Patel@CarnationBioProducts.ca • www.CarnationBioProducts.ca



Canadian Carnation BioProducts Inc.

The Canadian Carnation BioProducts Company (CCC) is a seed company producing Prairie Carnation Seed and developing products from grain. Prairie Carnation is a specialty crop licensed from Agriculture and Agri-Food Canada which has a similar seed size as canola. CCC produces seed via farmer contracts and offers farmers one-year agreements, including the seed as well as detailed consulting for growing the crop. The seed is provided as part of the contract, so the risk for the farmer is low.

We have two different processes

for either high purity bioproducts (up to 98 per cent purity) for cosmetics, pharmaceutical and special technical purposes and offer our products with a certificate of analysis issued by an organic chemist and an anti-allergenicity certificate, if required.

For large scale industrial applications, we can produce bioproducts in a simpler process with 20-80 per cent purity depending on the requirements of the customer. These products are for large scale industrial applications such as heat exchangers and energy wheels for air conditioning.



Prairie Carnation crops have pink flowers and make a pretty contrast to yellow canola and blue flax. However, the seed does not contain oil but mostly starch, the finest commercial starch available of any crop. This extremely fine starch is suitable for powder coating surfaces. The saponins in the seed are emulsifiers and the peptides work for crop protection. The seed also contains ribosome inactivating proteins which are relevant for pharmaceuticals.

Canadian Hemp Trade Alliance

The Canadian Hemp Trade Alliance (CHTA) is a national organization that promotes Canadian hemp and hemp products globally. Established in 2003, the Alliance represents those involved in Canada's hemp industry, including farmers, processors, manufacturers, researchers, entrepreneurs and marketers.

The key functions of the Alliance are to disseminate information, promote the use of nutritional and industrial hemp, and coordinate research.

Canadian Hemp Trade Alliance (CHTA)
marketing@hemptrade.ca • www.hemptrade.ca

Canadian hemp is processed into industrial fibre, building materials, textiles, clothing, cosmetics, beer, soap and paper. In Canada and in the U.S., hemp was outlawed 70 to 80 years ago, confused with other kinds of cannabis. After a half-century's absence from Canada's fields and factories, hemp cultivation was again allowed in 1998.

Today, Canada's hemp sector is expanding to provide secure supplies of hemp seed and fibre raw materials for domestic and international markets, as well as many processed and conditioned value-added products.

Canada's federal hemp regulations help to create quality, safety and accountability. In Canada, all commercial hemp strains are grown under science-based regulations to maintain and ensure genetic identity. A supportive scientific research community ensures that essential and necessary research continues.



Canadian farmers and businesses are focussing on hemp as it realizes its potential to produce healthy food and environmentally friendly products, including paper, textiles, biocomposites and sustainable building materials. As a fast-growing annual, hemp is a renewable, reusable and recyclable resource. Changing environmental attitudes in the world's business community are helping turn these green attributes into a valued quality.

Canadian Isotope Innovations Corp.

Canadian Isotope Innovations Corporation (CIIC) is a Canadian private corporation based in Saskatoon and established to exploit an innovative new production technology that uses electron linear accelerators to produce medical isotopes without using uranium or nuclear reactors.

Canadian Isotope Innovations Corp. 232 - 111 Research Drive, Saskatoon, SK S7N 3R2
(306) 668-5800 • management@isotopeinnovations.com • www.isotopeinnovations.com



Canadian Isotope Innovations Corp. (CIIC) is in the business of manufacturing and selling non-fission (non-uranium) produced isotopes to the medical industry. CIIC's first product molybdenum-99 (Mo-99) is a precursor for the globally critical radioisotope technetium-99m (Tc-99m) that is used in over 30 million medical imaging tests annually, or over 80% of all medical imaging procedures conducted on a daily basis. The Mo-99/Tc-99m business is an estimated \$2.1B annual component of the global \$3.7B radiopharmaceutical business.

Unlike the traditional production of these radioisotopes in reactors and using enriched uranium, CIIC's linear accelerator technology does not produce highly radioactive and very long-lived nuclear waste and does not use enriched uranium. By avoiding use of enriched uranium, CIIC eliminates global nuclear weapons proliferation concerns and provides a more environmentally friendly



supply of radioisotopes to medicine. CIIC's primary market is North America. However, the CIIC business model promotes the installation of decentralized regional isotope production facilities around the world, and enables a reliable, custom-scale and streamlined supply chain from these facilities. In this respect, CIIC is open to mutually beneficial partnerships for non-North American markets.

Canadian Institute of Food Science and Technology

Founded in 1951, CIFST is the national association for food industry professionals. Its membership of more than 1200 includes scientists and technologists in industry, government and academia who are committed to advancing food science and technology.

Canadian Institute of Food Science and Technology (CIFST)

3 - 1750 The Queensway, Suite 1311, Toronto, ON M9C 5H5

(905) 271-8338 • cifst@cifst.ca • www.cifst.ca



CIFST is a vast network of food industry professionals that offers opportunities to connect with peers, clients and suppliers, both virtually and face-to-face. CIFST Members share a passion for the food industry and are part of a unique, vibrant, and close-knit Canadian community of practice. This community, facilitated through CIFST, is an extraordinary collective of every member's voice, expertise, knowledge and network that you cannot find anywhere else in Canada.



Goals of CIFST:

- To advocate and promote the quality, safety and wholesomeness of the food supply through the application of science and technology by linking food science professionals from industry, government and academia.
- To provide a forum for the exchange of scientific, educational & business ideas and information.
- To be a major voice on scientific issues and public policy relating to the Canadian food industry.
- To promote the professional development and careers of CIFST members.

Canadian Light Source Inc.

The Canadian Light Source is a national research facility, one of the largest science projects in our country's history, and the brightest light in Canada—millions of times brighter than even the sun—used by over 1,000 scientists from around the world every year in ground-breaking health, environmental, materials, and agricultural research.

Canadian Light Source Inc. (CLS) 44 Innovation Boulevard, Saskatoon, SK S7N 2V3
(306) 657-3500 • cls@lightsource.ca • www.lightsource.ca



THE BRIGHTEST LIGHT IN CANADA

Canadian Light Source offers a wide range of scientific solutions, with innovative commercial research access and clear intellectual property policies. Scientists use synchrotron light to study everything from the nutrient chemistry of soils and the molecular structure of plants, to pharmaceuticals and bioindustrial products.

Pharmaceuticals

Research into the 3D structure of proteins facilitates the development of therapeutic activity specific designer drugs.

Applications:

- High-resolution protein crystallography
- Characterizing metals in proteins
- Patent validation

Agriculture

Exceptional high resolution and fast X-ray imaging of internal structures and composition of live plants and soil-root systems.

Applications:

- Agricultural land management
- Plants and new crop development
- Seeds and seed composition
- Food and feed characterization
- Biocomposites



Health

Insights into biological questions from the atomic to the anatomic level, through tissues, to whole animals.

Applications:

- Biomedical imaging
- Protein structure characterization
- Drug development
- Disease detection, prognosis and treatment development

Environment

Unique capabilities for studying earth, environmental samples and energy materials.

Applications:

- World-unique focus on measurements of carbon compounds in soils and sediments
- Mining and core sample characterization and mine site remediation
- Novel catalysts and new energy storage materials
- Biofilms
- Environment and climate change studies

CanMar Foods Ltd.

CanMar Foods Ltd. specializes in cleaning and roasting flax seed. In its state-of-the art, food grade facility, CanMar produces roasted flaxseed for the retail market (own/private label) and ingredient market.

CanMar Foods 2480 Sandra Schmirler Way, Regina, SK S4W 1B7
(306) 721-1375 • myles@canmarfoods.com • www.canmarfoods.com



CanMar Foods Ltd. formerly known as CanMar Grain Products Ltd. is specialized in the cleaning and roasting of food grade flaxseed. In a 12-step cleaning process, flaxseeds are cleaned to 99.99 per cent purity and roasted for exceptional taste and texture. CanMar Foods became a world leader in the production of roasted flaxseed and shows great expertise in cleaning and packaging of flax seed. The unique roasting process is unmatched in the flax industry.

CanMar changed ownership on December 1, 2017 and was purchased by Hokansen Capital, one of the largest conventional and organic farming operations in Saskatchewan. CanMar Foods Ltd. is a fully integrated closed loop, state-of-the-art processing facility able to purchase flaxseed directly from CanMar farming operations to process the highest quality and best tasting flaxseed available for consumers worldwide. CanMar Foods equally serves the retail and ingredient industry. Products are traceable from farm to spoon, providing transparency and traceability for both the food industry and the final consumer.



In 2018 CanMar Foods Ltd. became the market leader of flaxseed products in the Canadian retail market. At the same time, CanMar Foods is exporting both retail and wholesale products worldwide, creating a strong position on the international platform. Core export markets include the U.S., Mexico, UK, Belgium, Spain, China, Philippines, Japan and the Middle East. Retail products are commercially available under the CanMar™ brand and Flax for Nutrition™ brand.

Canpressco Products Inc.

Canpressco is a pet supplement brand focused on growing and pressing the highest quality camelina oil for your pet. Whether it be for horses or dogs, we are committed to offering transparent supply and knowledgeable customer service in every interaction that we have.

Canpressco Products Inc. 514A - 45th Street East, Saskatoon, SK S7K 0W2
1-877-295-1551 • info@canpressco.ca • www.canpressco.ca



CANPRESSCO

CANADIAN CAMELINA OIL

At Canpressco, we take your animal's health seriously. It has been proven that the balance of Omega-3 to Omega-6 in an animal's diet is extremely important to their overall health. Our cold pressed camelina oil has a 2 to 1 ratio of Omega-3 to Omega-6, making it ideal for use as a supplement in both horse and canine diets. The benefits our

customers experience include improvement in the quality of skin and hair coat, decreased joint pain and management of arthritis, improvement in bone structure, prevention of ulcers, and calming of temperament. Our camelina oil is 100 per cent grown and made in Canada. We guarantee fresh supply and the consistent quality across all our product lines.



Cargill

Cargill is a privately owned company that provides food, agriculture, financial and industrial products and services to the world for over 150 years.

Cargill 300 - 240 Graham Avenue, Winnipeg, MB R3C 4C5
(204) 947-0141 • www.cargill.ca



Helping the world *thrive*

Together with farmers, customers, governments and communities, we help people thrive. We have over 8,000 employees from British Columbia to Quebec committed to feeding the world in a responsible way, reducing environmental impact and improving the communities where we live and work.

Here in Saskatchewan, Cargill employs more than 450 people in our Agricultural Supply Chain,

Animal Nutrition, Canola Research & Production, Canola Crushing & Refining businesses in 20 locations across the province. Cargill in Saskatchewan is also proud to partner with, and support the Agriculture in the Classroom, Farm and Food Care SK, the Saskatoon Garden Patch and Ronald McDonald House Charities. For more information on Cargill, visit www.Cargill.ca.



Centre for the Study of Science and Innovation Policy

The Centre for the Study of Science and Innovation Policy (CSIP) is an academic research institute that supports a better understanding of policy options through the application of theory, innovative methods and evidence-informed discussion. CSIP incorporates broad perspectives into research activities while providing new opportunities for graduate student training and experience.

Centre for the Study of Science and Innovation Policy

101 Diefenbaker Place, University of Saskatchewan Campus, Saskatoon, SK S7N 5B8
(306) 966-8525 • jsgs@usask.ca • www.schoolofpublicpolicy.sk.ca/csip



JOHNSON SHOYAMA

**Centre for the Study of
Science and Innovation Policy**

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Located within the **Johnson Shoyama Graduate School of Public Policy**, CSIP draws together researchers, experts and stakeholders from scientific, social scientific and humanistic fields to enhance research and the understanding of policy and governance dimensions of science and innovation. CSIP focuses on four research themes – bioscience and food policy, energy policy, health innovation policy, and digital governance and policy analytics.

Our vision is to change how government, the scientific community, and society interact and approach policy for new ideas and technologies from the initial concept to market acceptance stages. Our mission is to equip and enable public, private and civil society sectors to successfully consider, debate and make decisions about discoveries and new technological applications. CSIP strives to:

- Provide a mechanism to strengthen understanding regarding collaborative research opportunities among academic, public, private, Indigenous, and civil society sectors, both in Canada and internationally.
- Explore economic and social innovations arising from natural, applied and biomedical sciences and in the social sciences.
- Develop and assess knowledge translation strategies and best practices and disseminate them to interested users from government, industry and civil society.
- Offer specialized training opportunities for graduate students and researchers interested in developing governance knowledge and skills that are essential for consideration of scientific applications in public and private spheres.



Chicken Farmers of Saskatchewan

Chicken Farmers of Saskatchewan has a five-member board, which is elected by licensed chicken farmers. The Board sets the strategic direction, policies, volume and negotiates a minimum live price for Saskatchewan chicken with industry partners. The directors serve a number of roles on the Board which includes representation at Farm and Food Care Saskatchewan and nationally with the Chicken Farmers of Canada.

Chicken Farmers of Saskatchewan 224 Pacific Avenue, Suite 201, Saskatoon, SK S7K 1N9
(306) 242-3611 • cfos@sasktel.net • www.saskatchewanchicken.ca



The Chicken Farmers of Saskatchewan is a marketing board that has been regulating the production and price of chicken that farmers receive since 1966. In Canada this system of regulating production is called supply management. There are approximately 70 registered producers in Saskatchewan that operate within this quota system. Chicken Farmers of Saskatchewan is funded exclusively by Saskatchewan chicken producers through a levy check-off paid according to the kilograms marketed. Chicken farmers operate on an eight-week cycle in which broiler chickens are marketed between 35 and 42 days. This leaves the remainder of the cycle to attend to repairs and clean the barn in preparation for the next flock. Broiler chickens are raised in free-run barns with access to feed and water at all times. Free-run barns allow the birds to move around freely within the barn.



Chicken farmers in Saskatchewan must follow the Chicken Farmers of Canada's On Farm Food Safety Assurance Program and Animal Care Program. These are both auditable programs that ensure Canadian chicken is safe and raised in a humane manner. All chicken produced in Canada is raised without the use of hormones and steroids.

Co-op Agro

Co-op has been a partner to Western Canadian producers for generations, constantly evolving to help farmers and ranchers respond to challenges and opportunities.

Today, Co-op employs fuel, crop, feed, equipment, and home and building solution experts who are committed to helping farm customers understand what's new, what's available and what works.

Co-op Agro 401 - 22nd Street East, Saskatoon, SK S7K 0H2
(306) 244-3311 • www.agro.crs



In Co-op's 91-year history much has changed but one thing has remained constant: we're a different kind of business.

We are different because we are truly local. Federated Co-operatives Limited (FCL), is owned by 170 independent retail co-operatives who in turn are locally owned and governed by their members. Profits remain in the local community to be reinvested and returned to members through equity and cash back.

We are also unique in that no other business in Western Canada has the same mutually beneficial relationship with farmers. Co-op not only supplies farmers with products, services and flexible financing solutions, but also directly and indirectly purchases their products, largely for the greater consumer market – making it a real farm-to-table story.



Corteva Agriscience

Corteva Agriscience is a leading global agriculture company whose purpose is to enrich the lives of those who produce and those who consume. We combine two centuries of scientific achievement and agronomic expertise to provide farmers with the right mix of seeds, crop protection and digital solutions.

Corteva Agriscience Site 600, RR #6, PO Box 12, S7K 3J9
3km North of Hwy 41 on Llewellyn Road, Saskatoon, SK
(306) 668-9992 • www.corteva.ca



Corteva Agriscience™ is the only major agriscience company completely dedicated to agriculture. By combining the strengths of DuPont Pioneer, DuPont Crop Protection and Dow AgroSciences, we've harnessed agriculture's brightest minds and expertise gained over two centuries of scientific achievement.

Corteva's approach is to work acre by acre with farmers to help them

overcome challenges, and deliver solutions that will help them provide abundant, high quality food now and for the future.

Corteva is headquartered in the U.S., with Canadian regional headquarters in Calgary, Alberta. Major Canadian facilities are located in Saskatoon, SK (Research); Lethbridge, AB (Research & Production); Chatham, ON (Production and admin) and Georgetown, ON (Research).



CropLife Canada

CropLife Canada is the trusted, unified voice of Canada's plant science industry.

CropLife Canada 1201 - 350 Sparks Street, Ottawa, ON K1R 7S8
(613) 230-9881 • info@croplife.ca • www.croplife.ca



Plant sciences provide today's farmers with access to tools, like improved seeds and pesticides, that help them to farm sustainably, feed our growing population and contribute to Canada's economic prosperity. Through continuous investment in research and development in chemistry and plant breeding innovation, our members play an important role in addressing some of the world's greatest challenges such as climate change, food security, and water scarcity. The value of these innovations to farmers is undeniable, but just as impressive are their contributions to the economy, the environment and the ways in which that benefits the broader Canadian community.

CropLife Canada's role as the trade association representing Canada's plant science industry is to advocate for legislation, regulations and policy that encourages industry



innovation, helps increase public awareness of the benefits of these technologies, and supports full lifecycle stewardship of our members' products and work with others within the agricultural value chain on topics of common interest.

For more information about the benefits of the plant science industry visit croplife.ca.

Digital Integration Centre of Excellence

To compete and succeed in a digital world, agriculture needs secure, integrated systems to capture, test, and analyze all kinds of data. Saskatchewan Polytechnic's Digital Integration Centre of Excellence (DICE) supports industry-partners' data stewardship from end to end: from the sensors that collect it to the servers that farm it.

Digital Integration Centre of Excellence (DICE)

1130 Idylwyld Drive North, Saskatoon, SK S7K 3R5

(306) 659-4265 • terry.peckham@saskpolytech.ca • www.saskpolytech.ca



DICE finds and refines solutions for industry partners by testing approaches and technology-mixes in controlled environments. DICE will also train personnel with expertise to operate these technologies.

Working with its private-sector partners, DICE's applied research focuses on innovative digital solutions in three key areas:

1. Getting the most out of your business assets with system to help with planning and forecasting, monitoring, reducing maintenance (right to repair) and unexpected downtime;
2. Real-time communication networks synchronizing digital devices to optimize timely communication and increasing fault-avoidance for precision agriculture and agricultural processing; and
3. Meshes (rich interconnections) of many different smart sensors and intelligent mobile devices.



Through a broad spectrum of applied research activities in IT, DICE will increase industry competitiveness, productivity, exports, and environmental sustainability – while helping to maintain and grow jobs. Helping our Ag partners be more productive, efficient, innovative and profitable will benefit our region, province, and nation.

Economic Development Regina

Economic Development Regina (EDR) is the lead agency for economic development and destination marketing for the Greater Regina Area. EDR ensures the GRA offers a vibrant and diversified economy for investors, is a positive destination experience for visitors and offers a high quality of life for residents.

Economic Development Regina Inc.

200 - 1965 Broad Street, Regina, SK S4P 1Y1 • (306) 789-5099

info@economicdevelopmentregina.com • www.economicdevelopmentregina.com



Economic
Development Regina Inc.

Economic Development Regina is the catalyst for driving economic growth and advancement in the Greater Regina Area (GRA). The organization is committed to providing leadership to the community and is responsible for marketing and promotion of the destination as a place to work, live and invest. From strategic market intelligence, to hands-on support for startups and concierge services for potential investors, EDR is focused on advancing economic prosperity for those who live, work, learn, visit and invest in the GRA.

Regina is uniquely positioned to be a leader in developing new technologies and techniques to help satisfy global food demand, and EDR is looking to strategically advance a vision of being a food hub for the world. Regina is home to world-leading agribusiness companies, an emerging entrepreneurial ecosystem and a strong transportation system with access to global markets. Over the next 10



years, attraction of top food processing and ingredient manufacturing companies to the area is a key priority. Saskatchewan is the world's largest exporter of peas, lentils, durum, wheat, mustard seed, canola, flaxseed and oats, and Regina is your first stop on the protein highway.

EDR welcomes the opportunity to work with stakeholders in the bioscience industry – so paramount in advancing agriculture and food.

Edwards School of Business

The Edwards School of Business offers a robust Bachelor of Commerce program with six majors, study abroad options and a cooperative education program. At the graduate level, we offer a variety of Master's programs in Accounting, Business Administration, Finance, and Marketing. We also work closely with the business community through our Executive Education team by providing training and professional development opportunities.

Edwards School of Business 25 Campus Drive, Saskatoon, SK S7N 5A7
(306) 966-4785 • undergrad@edwards.usask.ca • www.edwards.usask.ca



EDWARDS

SCHOOL OF BUSINESS

UNIVERSITY OF SASKATCHEWAN

Edwards School of Business is one of Canada's oldest business schools and our mission is to develop business professionals who build nations.

Our Executive Education team has been providing training and development programming for the Saskatchewan business community and local organizations for over 35 years. Our program areas include: communications, governance, labour relations, leadership, management, project management and process improvement, women's initiatives and many unique special events. Upon inquiry, we also provide custom training to organizations in-house.

Edwards Executive Education delivers nationally recognized certificate programs in partnership with other universities such as the



University of Toronto, Memorial University, York University and the University of Regina. This collaboration brings industry leaders to Saskatchewan to provide training on emerging trends in the professional development market.

For more information visit www.edwards.usask.ca or contact Edwards Executive Education at (306) 966-8686.

Emerald Seed Products Ltd.

Emerald Seed Products Ltd (Emerald) is a privately owned company that has been operating for 20 years. We specialize in manufacturing products derived from the fenugreek seed for health, food, industrial and animal feed additive uses.

Emerald Seed Products Ltd 101 Wood Mountain Trail East, Avonlea, SK S0H 0C0
(306) 868-2030 • info.esp@sasktel.net • www.emeraldseedproducts.com



Emerald sources our fenugreek from local farmers and we are able to separate it, using our unique technology, into two separate components:

- Hydrocolloid (fenugreek gum)
 - o Food grade (Canafen®)
 - o Industrial grade (FenGum®)
- Natural animal feed additive - Nutrifen®

Emerald is dedicated to quality and providing excellent customer service. Our export markets include U.S., Japan, South Korea, France, Israel, Bangladesh and Taiwan. Emerald is ready to grow and is excited to expand operations and market share.



Ensero Solutions

Ensero Solutions is an innovative environmental consulting company that partners with clients to achieve a unique owner's perspective. We are focused on all aspects of reclamation, including deployment of novel remediation and water treatment technologies.

Ensero Solutions 104 - 411 Downey Road, Saskatoon, SK S7N 4L8
(306) 978-3111 • info@ensero.com • www.ensero.com



Ensero Solutions was established in 2006 and is an environmental consulting company that provides services in all aspects of reclamation, permitting, and water treatment in the mining and industrial sectors across North America. We bring a unique owner's perspective to deliver on business and regulatory solutions for the full lifecycle of client's projects. Whether the goal is to open a new mine or close an old one; build a new facility or reclaim the land where one once stood, we have one primary goal: to help clients find a balance between achieving corporate goals and protecting the environment. We also employ novel advanced technologies to provide enduring environmental solutions and have specializations in both radiological services and environmental microbiology. With decades of experience in remediation, water treatment, construction, and large-scale project management



for a wide variety of market sectors, we are dedicated to solving problems and providing turnkey services to any phase of a project.

Our services include assessment and permitting, restoration and remediation, water treatment including cold-climate passive and semi-passive water treatment and constructed wetlands, piloting services, radiological services, microbiology and genomics testing, and site operations services.

EnviroWay

For over 25 years, EnviroWay has been focused on effective wastewater solutions. We believe that efficiency is the standard that delivers good business to our valued customers and minimizes our impact on the environment. Based out of Saskatoon, we are proud to bring our international experience back home, to deliver new solutions to our community.

EnviroWay 9 - 2241 Hanselman Avenue, Saskatoon, SK S7L 6A7
1-800-274-0862 • (306) 244-7727 • info@enviroway.net • www.enviroway.net



We manufacture, distribute, sell, service, educate and innovate within the international wastewater sector. With a scientific approach, we clean wastewater using microbial solutions. By optimizing the biology across operations, we save energy, save time, reduce odours, and maximize the quality of your infrastructure and water. We have experience troubleshooting some of the biggest wastewater operations in the world. No matter the size of your operation, we will metabolize waste and synthesize efficiency. Our work has meant access to clean water for many communities that previously had none. We also service businesses with our Bioline.

Bioline your business and target smells and build-ups that wear away at your infrastructure and clientele. Municipalities, tribal councils and businesses from golf courses to restaurants are all our clients; we find known and unknown problems in their wastewater systems to optimize their water and budgets.



Across industries, we study effluents and wastewater systems to deliver customized living solutions for every type of pollution. Dairy, pulp and paper, petrochemical, agricultural, brewing and textile industries have achieved lower energy consumption, reduced operating costs, better working environments, chemical free treatment and cleaner water. Where there's water, there's a Way.

Farm & Food Care Saskatchewan

Farm & Food Care Saskatchewan (FFC SK) is a whole-sector coalition of farmers, agriculture groups, agribusinesses, food processors, restaurants, retailers, food companies and others.

Our goal is to help non-farmers understand modern agriculture and build trust in Saskatchewan food and farming.

Farm & Food Care Saskatchewan Bay 6A – 3602 Taylor Street East, Saskatoon, SK S7H 5H9
(306) 477-FOOD (3663) • office@farmfoodcaresk.org
farmfoodcaresk.org • canadianfoodfocus.org • realdirtonfarming.ca



Farm & Food Care Saskatchewan (FFC SK) strives to make connections between food and farming. In 1931, one in three Canadians lived on a farm; today, it's only one in 50. In fact, less than two per cent of all Canadians now have a direct tie to the farm. It's no wonder that so many people want to know more about food and farming these days! FFC SK wants to have conversations with Canadians to understand concerns, answer questions and reconnect people with the farmers who grow our food.

Our programs include website and social media initiatives, tours for 'food influencers,' an outreach campaign each October to raise awareness about the importance of agriculture, training for those in our industry, an annual conference focusing on communications strategies and many other projects with partner groups.

A new initiative is **CanadianFood-Focus.org**, an online gathering place to tell Canadian food and



farming stories, explore how food is grown and raised, share recipes, and provide advice from experts to help people make confident food choices. The goal is to build trust in the Canadian food chain with articles, video and social media posts created by food influencers. As consumers more readily engage with food content, this becomes the catalyst to provide information about farming.

To know more or get involved, visit us online at farmfoodcaresk.org and canadianfoodfocus.org.

Farm Credit Canada

You're invested in your business
So are we.

As the only lender 100 per cent invested in Canadian agriculture and food, we can help you find new opportunities and grow through our networks and expertise.

Farm Credit Canada 110 - 510 Wellman Crescent, Saskatoon, SK S7T 0J1
(306) 975-4248 • csc@fcc-fac.ca • www.fcc-fac.ca

Farm Credit Canada (FCC) is a financially self-sustaining Canadian federal Crown corporation. We lend money and provide other services to primary producers, food operations and businesses that provide inputs or enhance the ag-food value chain.

Our strengths are the connections we can provide, the relationships we build, and our stability – we’ve been in business since 1959. Our portfolio is more than \$38 billion with more than 25 years of growth. We understand the risks of the industry – and we know the possibilities.

From startups to mature enterprises, we partner with businesses and entrepreneurs to help you reach your full potential. If your business is looking to grow or expand, let’s talk and help you find new opportunities through our networks and financing expertise.



Types of financing we provide

- Real property
- Equipment and inventory
- Expansion and construction
- Startup
- Diversification
- Stretch debt and cash flow requirements
- Mergers and acquisitions
- Syndicated lending
- Venture capital

Fast Genetics

Fast Genetics is a leading North American based pig genetics company with global reach. Fast Genetics provides breeding stock and innovative genetic solutions to pork producers.

Fast Genetics 8 - 4003 Millar Avenue, Saskatoon, SK S7K 0H1
(306) 667-1420 • contactus@fastgenetics.com • www.fastgenetics.com

Fast Genetics™

Fast Genetics is known around the world for its use of innovative technologies in producing high-health and world-class performing breeding stock. Fast Genetics is a leader in genomic evaluations and is pioneering sex sorted sperm and low dose

insemination technologies in the swine industry.

Fast Genetics offers a number of industry-leading maternal and terminal product lines, meeting the various needs of pork producers.



Floating Gardens Ltd.

Floating Gardens has year-round, climate-controlled greenhouse space available 20 minutes outside of Saskatoon.

Siblings Rachel Buhler (M.Sc. in plant science) and Chris Buhler (diploma in greenhouse management) operate the greenhouse where they've grown more than 30 different crops.

Floating Gardens Ltd. Box 580, Osler, SK S0K 3A0
(306) 292-7954 • chris@floatinggardens.ca • www.floatinggardens.ca

Floating GARDENS

Are you looking for greenhouse space?

We want to leverage our advantages and experience for your crops.

Our management staff lives on site, checks crops seven days a week, and is on call 24 hrs a day—so your plants are taken care of when they need it (not when it's convenient for staff).

Rachel has eight years of research experience. She understands the need for meticulous notes, consistent procedures, and double-blinds to ensure that you get solid data that can be replicated.

Flexible set-ups allow crops to be set up with sub-irrigation, drip irrigation, or overhead watering (allowing the ideal system for your crop).

Programmable fertilizer injectors allows different crops with as many different fertilizer/pH regimes as desired so you can grow crops with different nutrient requirements in the same climate zone.



Fertigation can be set to automatically feed based on the amount of light that the plant gets and/or by time (minimizing human error in watering and allowing for more consistent growth in sunny/shady times).

Screened vents, double-entry architecture and strict operating protocols minimize disease and insect problems.

Please contact us—we'd love to meet about your project!

FP Genetics Inc.

FP Genetics is a private company owned by over 150 local seedsmen, primarily in Western Canada, who know and grow industry leading cereal varieties. Although these varieties will evolve, one thing will never change – our commitment to bringing the best cereal varieties to the Western Canadian farmer.

FP Genetics Inc. 426 McDonald Street, Regina, SK S0K 3A0
(306) 791-1045 • jennifer@fpgenetics.ca • www.fpgenetics.ca



FP Genetics are The Cereal Seed Experts in Western Canada. It is our mission to continue to invest and bring continually improved genetics, seed quality and seed services, to help our farm customers produce the best crops for their farms and the market. We licence leading genetics from breeding institutions and private companies in Western Canada and around the world. This includes some of the top varieties in the Canadian Western Red Spring class, the Canadian Western Amber Durum class, Canadian oats and now the first hybrid fall rye in Canada. At FP Genetics, we combine these technologies with industry regulated certified seed processes, on farm product analysis, our unique seal of quality™ and various seed treating options to ensure our farm customer receives the highest value seeds.



At FP Genetics, we too are farmers and are proud to be a key part of the value chain that brings new and improved technology to our customers, our industry partners and to the consumers of our products at home and abroad.

Genome Prairie

Genome Prairie, a non-profit organization, aligns partners and resources to develop and manage research projects addressing key regional priorities in the agriculture, human health, environment, energy, and mining sectors. These efforts are playing a central role in building the Prairie region's reputation as a location of choice for innovation and commercialization.

Genome Prairie 101 - 111 Research Drive, Saskatoon, SK S7N 3R2
(306) 668-3570 • info@genomeprairie.ca • www.genomeprairie.ca



GenomePrairie

Genome Prairie is a non-profit organization that supports stakeholders across Manitoba and Saskatchewan in capturing and maximizing the benefits of advanced research in genomics and related biosciences. This role is achieved by aligning the partners and resources needed to develop and manage targeted projects addressing regional priorities such as agriculture, human health, environment, energy and mining. Genome Prairie also engages regional researchers in Genome Canada's competitive process awarding for large-scale projects.

Through our projects, we are working directly with academic, government and industry partners to bolster crop production, enhance mining processes and create new bio-based products – just to name a few. The impacts our projects have in strengthening innovation, productivity and growth in the Prairie region are demonstrated by our investments of over \$362 million, which have enabled capacity building, training and breakthrough discoveries across priority sectors. By facilitating these projects, we are unlocking the tremendous potential



of genomics while building a stronger knowledge-based economy in Manitoba and Saskatchewan.

Our main roles are:

- **Project Development:**
Enabling the development of advanced bioscience research projects with strong social and economic benefits for Manitoba and Saskatchewan.
- **Research Management:**
Leading project management activities to ensure the completion of targeted scientific milestones.
- **Community Engagement:**
Connecting with stakeholders to strengthen support for bioscience research in our region.

For more information visit www.genomeprairie.ca.

Global Institute for Food Security

The Global Institute for Food Security (GIFS) is a public-private research institute at the University of Saskatchewan that works with diverse, multi-sector partners to discover, develop and deliver innovative solutions in pursuit of global food security.

Global Institute for Food Security

110 Gymnasium Place, Suite 1460, University of Saskatchewan, Saskatoon, SK S7N 4J8
(306) 966-3701 • gifs@usask.ca • www.gifs.ca



GIFS | GLOBAL INSTITUTE
FOR FOOD SECURITY

Growing science for life

Nutrien - a Founding Partner

Finding sustainable solutions to the challenges facing the global food system requires an innovative and collaborative approach that moves at the speed of business.

Founded in 2012 in a partnership between Nutrien, the Government of Saskatchewan and the University of Saskatchewan (USask), the Global Institute for Food Security (GIFS) collaborates with diverse partners on innovative agriculture solutions that are economically, socially and environmentally sustainable.

At GIFS, we work with fast and flexible technology platforms that transform our scientific capacities into tools for stakeholders, making us a catalyst for partnerships and innovation world-wide. We have a track record for successfully managing large-scale, multi-disciplinary programs, including the \$37-million Plant Phenotyping and Imaging Research Centre (P²IRC) funded by a Canada First Research Excellence Fund (CFERF) grant to USask.



Located within one of the world's strongest agri-science ecosystems, we are working to build a world where everyone has access to safe and nutritious food from Saskatchewan-out, working with academics, industry, consumers and governments to decrease the time between the discovery of innovative science and its delivery to market.

Find out how GIFS can help you or your organization today at www.gifs.ca/partners.

Golden Opportunities Fund Inc.

Golden Opportunities Fund started over 20 years ago as a local Retail Venture Capital (RVC) Fund for Saskatchewan people to invest at home. Investors receive regular RRSP savings plus additional tax credits on their investment while their money is invested at home in Saskatchewan companies that are making a positive impact on our province and helping to build the local economy.

Golden Opportunities Fund Inc. 830 - 410 22nd Street East, Saskatoon, SK S7K 5T6
(306) 652-5557 • info@goldenopportunities.ca • www.goldenopportunities.ca



GOLDEN

OPPORTUNITIES FUND

Golden Opportunities Fund invests in local companies in Saskatchewan that are leaders in diverse sectors with an investment focus on Innovation, Management Buyouts and Healthcare.

Innovation:

The Fund's Innovation portfolio is focused on growth through local companies that are diverse and pioneering innovations, garnering global attention and positioning for opportunities to realize value.

Management Buyouts:

With an increasing number of owners planning to transition

ownership of their business, the Fund is helping to keep Saskatchewan companies locally owned through investments in management buyouts alongside strong management teams of stable companies with proven cash flows and future growth potential in key sectors across the province.

Healthcare:

The Fund invests in local companies that are changing the way healthcare is provided, from the medicines that we take to the care for our seniors.



Haskap Central Sales Ltd.

Haskap Central Sales Ltd is a world leading supplier of Haskap varieties, Orchard Nutrition solutions, along with harvesting and processing equipment. Our frozen berry sales continue to increase due to the growing demand for this unique fruit.

Our mission is to listen to our customers and empower them to be successful by growing the most nutritious and flavoursome Haskap berries. We are passionate about improving your orchard's soil fertility to allow you to develop high yielding, dense nutrient Haskap/Honeyberries with sweeter flavours and longer shelf life. Growers can implement our nutritional strategies by including key products into their current programs.

Haskap Central Sales Ltd. P.O. Box 21, Henribourg, SK S0J 1C0
(306) 960-9900 • www.haskapcentral.com



Haskap continues to gain the interest of regional and international food and beverage industries for its flavour, texture and also to the nutraceutical and pharmaceutical industries for its many health benefits. New and existing growers from all corners of the world are attracted to this new crop because of its northern growing ability along with its capacity to be mechanically harvested.

Haskap Central's Plant Division provides commercial growers with a unique collection of haskap plant varieties. Our selected cultivars come from around the world including from the University of Saskatchewan, in Canada; Poland; and Berries Unlimited in the U.S. This diversity allows the grower to choose the appropriate plants for their climate and to blend differing varieties to create flavours unique to their terroir.

Our Orchard Nutrition Division empowers producers with the tools to produce profitable and nutrient dense crops. Soil and plant health are exploited through a holistic strategy with a hard science-based focus to restore the soil's health while providing improved fruit quality. Haskap Central is pleased to partner with LoveHoneyberry and Agriculture



Solutions to provide our customers with the products required to grow a productive and tasty crop.

Haskap Central's Equipment Division offers harvest and processing tools manufactured by Indigo Super Tech. This equipment provides the small growers with an economical, high-quality alternative to larger, more expensive machinery. Bird netting is another critical component in this division, and we expect to increase our product line upon customer requests.

Our frozen and fresh fruit sales continue to increase as demand continues to grow for this amazing berry. Locally produced products are continuing to grow, with wineries, micro-distilleries, craft breweries, and food companies developing new products for growing consumer demand. We firmly believe that worldwide demand will continue to expand, to open new Haskap or Honeyberry opportunities here on the Prairies and further afield.

Herb, Spice and Specialty Agriculture Association

Herb, Spice and Specialty Agriculture Association (HSSA) supports building a viable Specialty Ag industry from the field and forest to the shelf, regardless of end use across Canada. Our Specialty Ag world includes value-added production and processing by linking and connecting the industry through communication, networking and education throughout the value chain. We represent the interests of everyone involved in the industry, from research and production, to regulations, processing and manufacturing, practitioners to final product point of sale.

HSSA – Herb, Spice and Specialty Agriculture Association

PO Box 7568, Station Main, Saskatoon, SK S7K 4L4

(306) 681-8909 • hssa.chsnc@gmail.com • www.chsnc.ca

Facebook: HSSA CHSNC



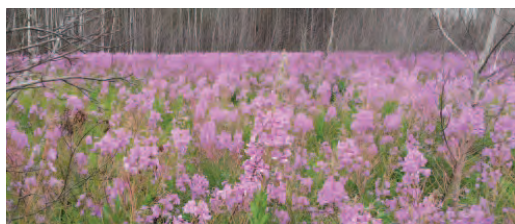
Herb, Spice & Specialty Agriculture SK

Herb, Spice and Specialty Agriculture Association (HSSA) began with a spice grower/broker, a wildcrafter and a culinary herb grower/processor. Instead of a purely production focus, HSSA encompasses the whole value chain including research and development.

Our motto is to start and end with respect and continue to support the specialty agriculture industry. HSSA now supports not only those crops and products they started with but many of the new crops and existing specialty crops overall, products and processes as they evolve. Some of the crops HSSA supports are wild rice, mint, lavender, spice crops, medicinal plants, quinoa, hemp, cannabis etc.

One of the key tools we use is our internationally recognized risk management auditable tool “Good Agriculture and Collection Practices.” Contact us for more information on this skills training program. It has helped many specialty agriculture entities meet requirements.

HSSA is an integrated industry association with many partners across the world and throughout the value chain and is known for its ability to “play with others” and partner successfully for the benefit of all.



We participate in and/or initiate activities, including:

- An annual booth at the Crop Production Show in Saskatoon, SK; speaking at events across the country and the world
- Support and promote relevant research wanted and needed by industry (not policy or research institute driven).
- Give a voice to sectors like wild rice, Rhodiola, spice crops, hemp, cannabis etc.
- Translate between government/regulators and industry throughout the value chain to ensure a commonsense approach.
- Participate on many committees to ensure any development includes the specialty agriculture industry needs.
- Listen with respect and provide support where needed.
- Connect (not market) the agriculture chain and its relevant partners.

Our evolution has brought many changes to the industry, bringing awareness to the fact that Saskatchewan grows, collects, processes, uses and/or sells many plants and product in Canada!

InfraReady Products (1998) Ltd.

InfraReady's quest as an industrial food ingredient supplier is clear: We enable food manufacturers to profit from whole grain ingredients.

InfraReady Products (1998) Ltd. 1438 Fletcher Road, Saskatoon, SK S7M 5T2
(306) 242-4950 • Toll free: 1-800-510-1828
info@infrareadyproducts.com • www.infrareadyproducts.com



Since 1994, InfraReady has continued its mission to create value in food ingredients through innovation, quality and commitment. As an industrial food ingredient supplier, with the tagline “The Good we Get from Grain,” the customer base spans the food industry and the globe. Through the application of infrared cooking and subsequent flaking and milling technologies, InfraReady can produce a wide variety of precooked cereal grains and pulses. With a unique product

portfolio that includes AnthoGrain Purple Wheat, InfraReady creates recognizable customer benefits such as reduced processing times and nutrient retention with improved functionality. These, and other key product attributes, make products ideal for use in bakery goods, breakfast cereals, baby foods, soups, snacks, side dishes, meat products and specialty dishes. InfraReady is BRC Certified, Kosher, Halal and produces a variety of gluten free products.



Innovation Canada

Hey bioscience companies.

We don't just see your industry. We see you.

We know you are innovators whose companies can make a difference.

You want to hire the best of the best.

Get some funding for equipment.

And maybe some expert advice.

Innovation Canada can help.

Innovation Canada 1-833-201-4358 • www.innovation.canada.ca

Canada

From funding to expert advice, there are hundreds of government programs and services designed to help businesses innovate, create jobs and grow Canada's economy. But if you can't find them, you can't take advantage of them.

That's why Innovation Canada has made it easier for innovators and entrepreneurs to find the support they need to start or scale their business.

innovation.canada.ca

A digital platform that makes it simple – fun, even – for all types of businesses to get “matched” with the *right* services. In less than two minutes, you can find over 1,000 programs and services from across the federal, provincial and territorial governments in Canada. From funding to tax credits to internships (and more) find it all at innovation.canada.ca



Talk to an innovation advisor

If you're incorporated and looking to create a new product, service, or process, you might be eligible to connect with one of our Innovation Advisors.

They'll leverage their extensive network of contacts to help you find, and take advantage of, all the government programs and services at your disposal – from financing to technical advice to foreign market expertise.

Get connected: 1-833-201-4358.

Innovation Place

Innovation Place helps grow Saskatchewan's tech sector and provides a supportive environment for startup and early-stage technology companies. Located adjacent to the province's universities in Saskatoon and Regina, Innovation Place is home to over 140 tenants employing over 3,800 people. The parks offer specialized facilities, greenhouses, laboratories and office space.

Innovation Place Saskatoon, Regina, Prince Albert
114 – 15 Innovation Boulevard, Saskatoon, SK S7N 2X8
(306) 933-6295 • saskatoon@innovationplace.com • www.innovationplace.com



Helping grow Saskatchewan's tech sector.

Innovation Place encourages and facilitates business opportunities in the technology sector through the development and operation of technology parks adjacent to the province's universities in Saskatoon and Regina.

Innovation Place helps grow Saskatchewan's tech sector and provides a supportive environment for startup and early-stage technology companies. A diverse mix of technology and service tenants, high quality facilities, and dynamic social atmosphere work together to create a community that encourages innovation, collaboration and entrepreneurship.

Agricultural biotechnology is a significant tenant cluster in Saskatoon. Research and development related to canola, wheat, and pulse crops has had an incredible impact on global production, making Innovation Place and Saskatchewan a world leader in the industry. Innovation Place also operates the



L.F. Kristjanson Biotechnology Complex, a greenhouse and laboratory facility for the plant biotechnology sector. Individual greenhouse units and growth chambers may be leased on short- or long-term contracts. All facilities have 24-hour monitoring.

In Saskatoon, Innovation Place is home to 115 tenants employing over 2,700 people.

Innovation Saskatchewan

Innovation Saskatchewan is the Government of Saskatchewan's special operating agency responsible for implementing Saskatchewan's innovation priorities. Innovation Saskatchewan is also the primary agency responsible for the province's investments in innovation. The agency works to produce social and economic benefits for the people of Saskatchewan through innovation. Innovation Saskatchewan has two main areas it oversees: funded research institutes, and technology startups and entrepreneurs.

Innovation Saskatchewan 314 - 111 Research Drive, Saskatoon, SK S7N 3R2
(306) 933-7205 • info@innovationsask.ca • www.innovationsask.ca

Innovation Saskatchewan is committed to achieving two strategic goals:

1. Ensure research being done at Innovation Saskatchewan funded institutes is creating economic impact, a return on investment, and is aligned with Saskatchewan's research and development priorities.
2. Help build and support a community of prolific, diverse, and successful technology entrepreneurs and startups.

Innovation Saskatchewan strives to encourage the existence of a sustainable, globally competitive business environment by complementing the efforts of the private sector, and providing needed support to early research and development, and commercialization endeavours in Saskatchewan.



Johnson-Shoyama Graduate School of Public Policy

The Johnson Shoyama Graduate School of Public Policy (JSGS) is a provincial centre for advanced study and research in public policy and administration. Located at the Universities of Saskatchewan and Regina, and unique in Canada, the school is a respected source of research and policy advice and has built strong partnerships regionally, nationally, and internationally.

Johnson-Shoyama Graduate School of Public Policy

101 Diefenbaker Place, Saskatoon, SK S7N 5B8

(306) 966-8525 • jsgs@usask.ca • www.schoolofpublicpolicy.sk.ca

With academic backgrounds such as political science, economics, agricultural economics, history, health, and law, the school's faculty members teach graduate students in an interdisciplinary environment, educate the public on policy matters, and improve the knowledge base from which policymakers draw.

The school is host to a number of peer-reviewed and industrial research programs that address a range of bioscience policy issues, including regional systems of innovation, strategic research management, the political economy of new technology, regulation and governance of the biosciences, intellectual property management and public engagement. Scholars in the school have examined a wide range of biotechnology applications in the plant, animal, microbial, fisheries, bioenergy, forestry, and human health fields. Faculty members have also undertaken consulting



and advisory activities with the provincial and federal government, international food policy institutions, other national governments, industry and various not-for-profit associations and groups. The JSGS is also one of six policy schools with in-person and online programs accredited by the Canadian Association of Programs in Public Administration and is the only policy in Canada with three research chairs, including two Tier 1 Canada Research Chairs.

KeyLeaf Life Sciences

KeyLeaf Life Sciences is a global ingredient and process technology company established over 45 years ago. Headquartered in Saskatoon, Saskatchewan, KeyLeaf is recognized around the world as a trusted expert in plant-based bioprocessing. KeyLeaf has worked with over 800 companies from more than 40 countries and continues to increase Saskatchewan's global visibility as a hub for innovation.

KeyLeaf 118 Veterinary Road, Saskatoon, SK S7N 2R4
(306) 978-2800 • reception@keyleaf.ca • www.keyleaf.ca



For over 40 years, KeyLeaf impacted the food, nutraceutical, cosmetics and bio-product industries all over the world under the name POS Bio-Sciences. In 2019, we decided to rebrand ourselves to better reflect who we are and what we offer the industries we work in. Today, we are known as KeyLeaf Life Sciences, or KeyLeaf for short – the leading authority in plant-based extracts and ingredients.

With our unmatched ability to scale from bench to high volume commercial production, with the capacity to process from grams to tons-per-

week of finished extracts, we are able to monetize soaring interest in the emerging hemp/cannabis category with proprietary extracts of cannabinoids, terpenes, and other high-value components for use in medicinal or nutritional applications. Some of our most recent exciting works involve exploring potential monetary value in the hemp plant through the creation of products like protein powders and dietary supplements, food ingredients, beverages, soap, paper, diapers and even cosmetics and skin care products.



Metabolix Oilseeds, Inc.

Metabolix Oilseeds, Inc. is a wholly owned Canadian subsidiary of Yield10 Bioscience. It is the research and development arm of Yield10 Bioscience targeting step change increases in crop yield with a focus on oilseed crops. Metabolix Oilseeds is working with Yield10 Bioscience to advance several yield traits in commercial crops.

Metabolix Oilseeds, Inc., a subsidiary of Yield10 Bioscience, Inc.
110 Gymnasium Place, Saskatoon, SK S7N 0W9
{306} 382-4539 • info@yield10bio.com • www.yield10bio.com

Metabolix Oilseeds, Inc.

Metabolix Oilseeds and its parent company, Yield10 Bioscience, are focused on developing new technologies to achieve step-change improvements in crop yield to enhance global food security. Yield10 has an extensive track record of innovation and a unique knowledge base around optimizing the flow of carbon in living systems. The oilseed research and development activities of Yield10 are performed at Metabolix Oilseeds.

This includes the design and enablement of precise alterations to gene activity and the flow of carbon in plants to produce higher yields with lower inputs of land, water, or fertilizer. Metabolix Oilseeds is advancing several yield traits in crops such as camelina, canola, soybean and wheat. Metabolix Oilseeds collaborates extensively with leading academic, government and industry labs to further its programs.



Mitacs

Mitacs is a national not-for-profit organization that has helped thousands of companies across Canada solve their research and development problems.

Mitacs builds partnerships that stimulate industrial and social innovation in Canada with the help of a coast-to-coast business development team dedicated to building collaborations.

Mitacs www.mitacs.ca • (306) 491-2769 • zpapp@mitacs.ca
www.mitacs.ca/en/contact-us/business-development



Mitacs connects companies in all sectors with university researchers to find solutions for the organizations' research or business challenges that requires outside expertise. Professors, graduate students and postdocs benefit from the opportunity and funding to do applied research and gain professional experience with companies. Mitacs supports collaborations with all academic disciplines in natural and social sciences, including agriculture, engineering, computer science, business analytics and economics.

Mitacs helps strengthen connections, improve economic performance, and create jobs. Over the past 15 years, Mitacs has supported more than 10,000 research internships, trained more than 19,000 students and postdoctoral fellows in business skills, and supported more than 1,300 international research collaborations.

Through Mitacs Accelerate, Canada's premier applied research internship program, companies and not-for-



profit organizations engage top graduate students and postdoctoral fellows to address an organizational research challenge, benefiting from their insight and the expertise of their faculty supervisor, while having the opportunity to test potential employees. Matching funds from Mitacs and the full-time university status of trainees ensure that Accelerate collaborations are cost-effective and low-risk for companies of all sizes. The Mitacs team provides personalized support throughout the application process – a feature unique to the program. This support can range from identifying suitable collaborators to helping design a customized research plan for the company's needs.

Mustard 21 Canada Inc.

Mustard 21 (M21) is the research and development arm of the Canadian Mustard Association and the Saskatchewan Mustard Development Commission. M21 focuses on long-term strategic priorities to develop globally competitive varieties and value-added products. M21 leverages Canadian mustard value chain investment to support projects important to mustard growers and processors.

Mustard 21 Canada Inc. Bay 6A, 3602 Taylor Street East, Saskatoon, SK S7H 5H9
(306) 242-2121 • Mustard21@Mustard21.com • www.mustard21.com



Mustard 21 is a non-profit corporation initiated by founding members: the Saskatchewan Mustard Development Commission and the Canadian Mustard Association; and registered in Saskatchewan in 2009. M21 has received funding from various Agriculture and Agri-Food Canada (AAFC) programs, Saskatchewan Ministry of Agriculture, Western Grains Research Foundation and industry partners to implement a strategic action plan for the Canadian mustard industry. In addition to the condiment markets into which Canadian mustard is currently being sold, the following promising opportunities are being pursued to grow the value-added mustard industry in Canada:

- determining new applications of mustard protein, fibre and mucilage components in the food industry.
- developing mustard oil (Carinata) as a dedicated industrial feedstock for products such as biojet fuel and biolubricants; and
- exploring the antimicrobial properties of mustard seed.



To support the traditional condiment mustard business and develop these new value-added opportunities, the industry requires higher yielding, disease-resistant mustard varieties and improved knowledge about production agronomy including crop rotations and weed control. M21, in conjunction with industry partners, is pursuing these objectives.

M21 gratefully acknowledges the financial support of the Mustard Value Chain: industrial partners, Agriculture and Agri-Food Canada, the Saskatchewan Ministry of Agriculture and Western Grains Research Foundation.

National Research Council of Canada

The National Research Council of Canada (NRC) is Canada's largest federal research and development organization. The NRC partners with Canadian industry to take research from the lab to the marketplace and offers expertise, services, licensing opportunities, national facilities and global networks to support Canadian businesses. The NRC is responsive, creative and uniquely placed to partner with Canadian industry, to invest in strategic R&D programming that will address critical issues for the future.

National Research Council of Canada 110 Gymnasium Place, Saskatoon, SK S7N 0W9
(306) 975-4573 • laurel.oconnor@nrc-cnrc.gc.ca • www.nrc.canada.ca

NRC-CNRC

Experts at the NRC's Aquatic and Crop Resource Development Research Centre perform advanced scientific research and provide research services and technology development for the sustainable transformation of Canadian bio-based resources.

Through collaboration with industry, academia, and government partners, we develop and transform agricultural and marine bioresources into food, feed and ingredients, and other high value bioproducts.

In support of Canada's agri-food sector and the Protein Industries Canada supercluster, the NRC partners with key stakeholders in the food and agriculture sector to advance scientific knowledge and create technologies that promote the development of sustainable food systems in Canada, with a focus on alternative proteins.

Our technical and research staff have expertise in oilseeds, cereals, fruit, pulses and algae. We have a long history in agri-food-related



innovation with capabilities that can help transform these resources into value-added and sustainable products that will lead to the export of new products to global markets.

We work with Canadian companies in producing high-value chemicals, ingredients and products from renewable biomass for use in a variety of consumer and industrial applications, including personal care products, food and nutritional ingredients, household goods, and agricultural products.

Natural Products Canada

Natural Products Canada (NPC) helps drive innovative natural products to market. It works with a range of partners, such as Ag-West Bio, to help advance high-potential opportunities through advice and guidance, strategic introductions, commercialization programs, and investment.

Natural Products Canada

David Gauthier, PhD, MBA, VP, Investment, NPC

101 - 111 Research Drive, Saskatoon, SK S7N 3R2

(306) 717-7205 • david@naturalproductscanada.com • www.naturalproductscanada.com

Shelley R. King, MSc, MBA, Chief Executive Officer

University of Prince Edward Island, Duffy Research Centre, Room 218, 550 University Avenue,
Charlottetown, PE C1A 4P3

(902) 393-7738 • shelley@naturalproductscanada.com • www.naturalproductscanada.com
info@naturalproductscanada.com



NATURAL
PRODUCTS
CANADA

Natural Products Canada is the driving force behind Canada's Natural Product Innovation Cluster – a strategic community of SMEs/startups, research institutes, corporations, investors, governments, and service providers who support the development and commercialization of naturally-derived products and technologies in health and life sciences, natural resources, agriculture and agri-food, and sustainable bioproducts.

As part of its role in the Cluster, NPC offers:

Commercialization Programs: A trio of Commercialization Programs to help companies and researchers advance high-potential products and technologies through sound business plans, solid executive teams, and strategic projects to establish commercial viability.

Innovation Hub: A platform for connecting NPC's high-potential innovative opportunities from the SME/startup/research community to strategic partners, such as large and multinational corporations, investors and others.



Investment Fund: A dedicated fund to help develop and de-risk promising Canadian opportunities. NPC has over 600 opportunities in its pipeline, has completed 10 investments, and has already experienced two exits.

Cluster-Building Activities: Strategic initiatives that address broad challenges and opportunities within sectors/subsectors of Canada's natural products industry. Efforts are focused on collaborative projects such as working groups and white papers that have the potential to benefit multiple parties around a key topic or issue.

Natural Sciences and Engineering Research Council of Canada

NSERC aims to make Canada a country of discoverers and innovators for the benefit of all Canadians. The agency supports students in their advanced studies, promotes and supports discovery research, and fosters innovation by encouraging Canadian organizations to participate and invest in postsecondary research projects. NSERC researchers are on the vanguard of science, building on Canada's long tradition of scientific excellence.

Natural Sciences and Engineering Research Council of Canada

350 Albert Street, Ottawa, ON K1A 1H5

1-855-275-2861 • comm@nserc-crsng.gc.ca • www.nserc-crsng.gc.ca



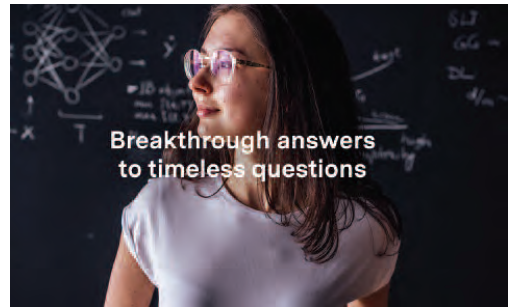
NSERC connects researchers with over 4,000 partners in industry, government and the not-for-profit sector. Our researchers bring world firsts in knowledge, specialized equipment and young talent to R&D collaborative projects. They make breakthroughs for Canada's economy, society and the environment.

NSERC's **College and Community Innovation (CCI) Program**

provides innovative solutions for local and regional business challenges through the expertise of Canadian colleges. The program supports applied research and collaborations that facilitate commercialization, as well as technology transfer, adaptation and adoption of new technologies.

NSERC's **Alliance grants**

encourage university researchers to collaborate with partner organizations, which can be from the private, public or not-for-profit sectors. These grants support research projects led by strong, complementary, collaborative teams that will generate new knowledge and accelerate the



application of research results to create benefits for Canada.

Research supported by Alliance grants will:

- generate new knowledge and/or technology to address complex challenges
- create economic, social and/or environmental benefits
- contribute to Canada's long-term competitiveness
- support public policy
- train new researchers in areas that are important to Canada and to the partner organizations
- draw on diverse perspectives and skill sets to accelerate the translation and application of research results.

Northern Quinoa Production Corporation

NorQuin is a worldwide leader in quinoa production. From plant breeding, to production, processing and end use, we take quinoa from field to fork completely within Western Canada to worldwide markets.

Northern Quinoa Production Corporation

174 - 815 66th Street East, Saskatoon, SK S7P 0E6

(306) 933-9525 • quinoa@quinoa.com • www.quinoa.com



Founded near Kamsack, Saskatchewan in 1994, NorQuin is a vertically integrated quinoa production company that is aiming to provide elite plant genetics and production to meet rising global demand. A pseudo-cereal, quinoa seeds are gluten free and are a complete protein source, containing all nine essential amino acids.

From its breeding program, NorQuin is committed to providing

agronomically superior quinoa genetics that provide a profitable and sustainable cropping option to growers in Western Canada, and through them, a sustainable source of quinoa production to meet rising global demand in whole seed, ingredient, flour and plant protein channels. In the face of a changing world, NorQuin is positioning itself as global leader in quinoa production.



Northern Vigor Berries Inc.

Northern Vigor Berries is a family owned Saskatchewan business that grows, harvests and produces value added products from an organically certified seabuckthorn orchard.

Northern Vigor Berries Inc. 1822 Kenderdine Road, Saskatoon, SK S7N 4K3
(306) 955-2319 • northernvigorberries@shaw.ca • www.northernvigorberries.com



Seabuckthorn has 190 bioactive chemicals including Vitamin C, E, K, beta carotene, unsaturated fatty acids, essential amino acids and flavonoids. There is an almost perfect 1:1 ratio of omegas 3 and 6 in the seed, there are 28 trace elements including magnesium, calcium and zinc, and the pulp has high levels of omega 7 which has clinically been proven to help mucous linings of the body and may help fight weight gain. The leaves are high in the antioxidants, shown to boost immunity and reduce stress. Because of this high nutritive value, seabuckthorn not only has applications in the food industry, but in nutraceutical, cosmeceutical, pharmaceutical and pet industries.

Northern Vigor Berries operates under the brand name **nvisorate** and offers frozen berries, fruit leather, gelato, purée, freeze-dried purée, seabuckthorn chocolates, tea leaves, seabuckthorn juice and iced tea. Oil will be available soon. Northern Vigor Berries also harvests for and brokers berries received from seabuckthorn growers.

Northern Vigor Berries is dedicated to providing the best of science and nature in creating end products that meet the consumer need for enhanced health, beauty and vitality for themselves and their pets.



Novozymes BioAg Limited

The specific vision of the BioAg Group within Novozymes is to utilize microbial-based technologies to help the world's farmers produce more, and better, food, feed, fuel, and fibre while minimizing the environmental footprint of production agriculture. Our internal goal is to challenge conventions, see things that others do not see, and as a result, create the next generation of ideas.

Novozymes BioAg Limited 3935 Thatcher Avenue, Saskatoon, SK S7R 1A3
(306) 657-8200 • agriculture@novozymes.com • www.bioag.novozymes.com



Novozymes' microbial-based biofertility, biocontrol, and bioyield enhancer products work to naturally produce healthier crops and improve yields.

Biofertility

Balanced phosphate and nitrogen nutrition is necessary for maximizing crop yields. That is why our biofertility products focus on phosphate enhancement and nitrogen fixation.

Biocontrol

Our biocontrol products are based on microorganisms and naturally occurring fungus to provide powerful control against insects, disease and weed pests.

Bioyield enhancers

Bioyield enhancers are products derived from plants and microorganisms that enhance the crop's nutritional capabilities to improve plant growth, increase stress tolerance and improve yields.



Nutrien Ag Solutions

Nutrien Ag Solutions™ is the retail division of Nutrien™ Ltd., the world's largest crop inputs company. We help growers achieve the highest yields with the most sustainable solutions possible, offering a wide selection of products, including our proprietary brands: Loveland Products® and Proven® Seed.

Nutrien Ag Solutions 3735 East Quance Street, Regina, SK S4V 3A4
1-855-569-9444 • NutrienAgSolutionsCda@nutrien.com • www.nutrienagsolutions.ca

Nutrien Ag Solutions™

Nutrien Ag Solutions is dedicated to helping farmers achieve their maximum success by being a trusted partner and creating the next generation of agricultural solutions to help growers feed the world.

We do this by providing growers with the latest technologies, products and services and by leveraging our extensive global experience and unparalleled relationships with suppliers. With over 220 retail locations in communities across Western Canada, we are the Ag Retailer of the Future.

We're transforming growers' digital experience with the development of the award-winning Nutrien Ag Solutions Customer Portal, offering customers a year-round, real-time, digital hub with full account management, agronomic insights and hands-on customer support. The Nutrien Ag Solutions Customer Portal will reset the bar for user experience, giving customers what they need and expect from their retail partner.



Together, we are creating a new digital platform, built to empower growers.

Okanagan Specialty Fruits Inc.

Okanagan Specialty Fruits® is an agricultural biotechnology company specializing in the development of novel tree fruit varieties using bioengineering and other molecular tools.

Okanagan Specialty Fruits Inc. 410 Downey Road, Saskatoon, SK S7N 4N1
PO Box 1533, Summerland, BC V0H 1Z0
(250) 404-0101 • info@okspecialtyfruits.com • www.okspecialtyfruits.com



Okanagan Specialty Fruits® (OSF) was founded by apple and cherry growers Neal and Louisa Carter in 1996 and is a fully owned subsidiary of Third Security, LLC. OSF's world-class science team works collaboratively with many of the world's leading tree fruit research institutions.

OSF's flagship project is the development and commercialization of nonbrowning Arctic® apples. By silencing the genes that produce polyphenol oxidase (PPO), the enzyme responsible for enzymatic browning, conventional varieties can be enhanced with this nonbrowning attribute. Arctic® apples' nonbrowning trait offers valuable benefits for all members of the apple supply chain, from growers to consumers.

In November 2017, Arctic® Golden became the first Arctic apple variety launched in select U.S. test



markets. In 2019, Arctic apples' retail availability throughout the U.S. expanded and a new variety was introduced: Arctic® Granny. Both varieties were introduced to the U.S. foodservice industry that same year.

Arctic® Fuji will be the next variety available in 2021.

Pela

Pela makes everyday products without everyday waste that educate and inspire a global community of people who are committed to making a positive impact on our planet.

Pela 604 - 460 Doyle Avenue, Kelowna, BC V1Y 0C2
Hello@pelacase.com • www.pelacase.com



As a Certified B Corporation, Climate Neutral Certified and member of 1% For The Planet, Pela is on a mission to eliminate 1 billion pounds of waste from the global waste stream and continues to research and develop the most innovative products to create a waste-free future.

Pela was created in Saskatchewan by Open Mind Developments.

To learn more about Pela's sustainable products visit www.pela.earth



PIC Investment Group Inc.

PIC Investment Group (PIC) is a family office that owns eight operating companies in the following industries: chemical distribution, transportation, manufacturing, propane distribution, aviation services, real estate, insurance, and tourism.

PIC also supports entrepreneurship and invests in people through 22 minority company investments across North America.

PIC Investment Group Inc. 70 - 24th Street East, Saskatoon, SK S7K 4B8
(306) 664-3955 • reception@picgroup.ca • www.picgroup.ca



PIC Investment Group opened its doors in Saskatoon in 1976. It has grown to eight majority owned companies: ClearTech Industries, Caron Transportation Systems, Panther Industries, CanGas Propane, Kreos Aviation, Round Table Management, Long Lake Insurance, and Adventure Destinations in beautiful Northern Saskatchewan which includes Twin Falls Lodge, Thompson's Resort at Otter Lake, outpost camps, and secluded fly-in fishing lakes.

Along with its operating companies, PIC supports entrepreneurship and invests in people through 22 minority company investments across North America. Minority investments range from early stage revenue companies to later stage, mature companies.



Greg Yuel, president and CEO, has carried on the family tradition of a strong customer-oriented culture throughout the PIC Group of Companies. "We take care of our customers, suppliers and partners, and help them find the right answers. Each company looks for ways to help its sister companies and all of that protects and grows the PIC Group."

Prairie Agricultural Machinery Institute

Prairie Agricultural Machinery Institute (PAMI) is an ISO 9001:2015 registered applied research organization working with all levels of governments, educational institutions and industry to develop innovative research solutions.

Prairie Agricultural Machinery Institute (PAMI)
Box 1150, 2215 – 8th Avenue, Humboldt, SK S0K 2A0
(306) 682-5033 • pami@pami.ca • www.pami.ca



PAMI brings to our clients 45 years of cumulative research capability in the agricultural domain, with a specific focus on crop processing.

Our areas of research focus include production, field and plant processing of harvested crops. We have also successfully carried out work on innovative uses for field biomass and crop residues. Extensive work has also taken place in the areas of the agronomic effects of machinery on crop production, and the handling and storage of harvested crops within large storage facilities to minimize losses.

Our capability extends into value-added processing. Our **Crop Processing Development Center (CPDC)** boasts high-capacity electrical and boiler capabilities to support large-scale processing of crops and by-products. The CPDC comprises a flexible and configurable space for any custom processing line, as well as integrated dust collection and waste (water and effluent) management.



We are leaders in innovative applications of simulation and numerical modelling within crop production systems, material handling systems and ingredient processing systems for data analysis, efficiency benchmarking and optimization.

The team at PAMI consists of multi-discipline professional engineers, agronomists, technicians and fabricators. We are available for a wide range of services from consulting, feasibility studies and research execution in the production plant and the growing field.

Prairie Berries Inc.

Prairie Berries was founded in 1993 with a simple but ambitious goal: introduce the delicious, high-in-nutrients Saskatoon Berries to the world. We grow, produce and promote healthy, great-tasting ingredients and gourmet products. Prairie Berries manages a 130-acre orchard making it the largest Saskatoon Berry orchard in Canada.

Prairie Berries Inc. NE ¼ 30-19-28 W2nd, Box 21, Keeler, SK S0H 2E0
(306) 788-2018 • info@prairieberries.com • www.prairieberries.com



Prairie Berries is a Canadian company recognized on a global scale for our production of the Superfruit, Saskatoon Berry. We are the largest Canadian based grower and processor specializing in Saskatoon Berries. Our vision is to develop Saskatoon Berry functional foods and nutraceutical bio-actives that contribute to health and vitality! We are actively involved in Saskatoon Berry product research and development to introduce new products to the market place. We believe that consistency in quality and food safety of our products is the key to success in both our retail and food ingredient businesses. Prairie Berries owns and operates a primary handling and secondary processing facility that produces safe food in compliance with all regulatory SQF, HACCP and specific CFIA programs. The primary handling plant is capable of grading, cleaning, freezing, and packaging berries. Our secondary processing facility produces delicious, gourmet food retail products, high in fruit content and low in sugar.



We are committed to operating a green-friendly business through reducing the amount of fossil fuels we burn and by limiting the amount of chemicals we put into the earth. Each Saskatoon Berry tree is nourished by nature and cared for by environmentally conscious people.

Prairie Diagnostic Services Inc.

Prairie Diagnostic Services Inc. (PDS) is a full service veterinary diagnostic laboratory providing a full range of veterinary diagnostic services for Western Canadian veterinarians and toxicology feed testing for agriculture. PDS is AAVLD, ISO/IEC 17025 and SCC accredited laboratory. PDS provides accurate, cost effective diagnostic testing that is timely and reproducible.

Prairie Diagnostic Services Inc. 52 Campus Drive, Saskatoon, SK S7N 5B4
(306) 966-7316 • pds.info@usask.ca • www.pdsinc.ca



Prairie Diagnostic Services Inc. is a non-profit corporation providing diagnostic testing services to veterinary and animal industry clients in Saskatchewan and other parts of Western Canada.

According to its vision, PDS provides preeminent veterinary diagnostic services and expertise in support of disease surveillance, animal health, public health and environmental health.

In its 22nd year of operation, Prairie Diagnostic Services offers the widest scope of testing services of any veterinary diagnostic laboratory in Western Canada. PDS is located within the Western College of Veterinary Medicine in Saskatoon. This AAVLD ISO/IEC 17025 and

Standards Council of Canada accredited laboratory provides a full range of diagnostic services including necropsy, surgical pathology, clinical pathology, histology; and microbiology including serology, bacteriology, immunology, molecular diagnostics, virology, immunology and toxicology.

PDS participates in the Canadian Animal Health Surveillance Network (CAHSN). As part of the commitment to provide emergency response capacity to manage foreign animal disease (FAD), PDS operates a level 2+ biosecurity laboratory and is accredited to perform selected FADs.



Prairie Tide Diversified Inc.

Prairie Tide Diversified Inc. (PTD) is a federally incorporated startup founded by Dr. Martin Reaney of the University of Saskatchewan. PTD produces and commercializes several specialty ingredient, nutraceutical, and bioactive products.

PTD has patented technologies for fractionating flaxseed, pulses and wheat into specialty ingredients, natural health, and nutraceutical products. This serves to expand and innovate markets for Western Canadian crops.

PTD also offers several types of analytical services to other companies.

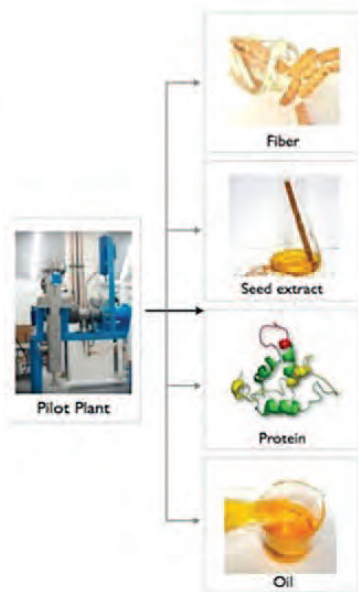
Prairie Tide Diversified Inc. 102 Melville Street, Saskatoon, SK S7J 0R1
(306) 955-3566 • admin@prairietide.com • www.prairietide.com



Prairie Tide Diversified (PTD) produces natural food and ingredients and is a service provider of analytical testing to other companies. PTD develops new products and market opportunities for flaxseed, chickpea, faba bean, and wheat.

PTD products include clean label food ingredients such as flax based thickeners and egg replacement products (XanFlax); snacks and specialty ingredients such as toasted flaxseed (SesaFlax, Morning Flax), chickpea and faba bean based emulsifying/foaming agents (AquaFaba, and AquaForté); gluten-free flour and snack products; plant proteins (flax, chickpea and faba bean); nutritional supplements such as dietary fibre (MediFlax), Omega-3 rich flaxseed oils; concentrated lignan (Lignan-50); artists' mixing oil (Martin & Paul), and specialized bioactive cyclic peptides (Orbitides) for health and cosmetic markets.

We recently partnered with Bioriginal Food & Science Corp to develop BioTide brand hand sanitizer and surface sanitizer. Prairie Tide sources and selects the highest quality crop varieties from Western Canada, ensuring consistent and superior products.



Through Prairie Tide Analytic Services, PTD offers numerous fast-turnaround services to companies in Western Canada, including batch analysis, quality control, constituent or contaminant analysis, fatty acid profiles, structural chemistry, and protocol development.

We are constantly striving to develop and commercialize new products that outperform their conventional counterparts, and which offer innovative health benefits to consumers. Through our networks and products, we are continually expanding the return-on-investment for Canadian farming, ingredient manufacturing, and research economies. PTD is positioned at the forefront of nutraceutical and bioactive product innovation.

Prester Foods Inc.

Prester Foods Inc. was founded in Saskatchewan in 2017 to create unconventional foods to tackle diabetes and obesity. We use sustainable plant ingredients to protect our environment from global climate change effects. We have applied food science, medicine and engineering to achieve our goal of creating tasty food alternatives.

Prester Foods Inc. PO Box 40060 Grasslands PO, Regina, SK S4W 0L3
1 (844) 37 VEGS7 • info@vegscrumptious.org • www.vegscrumptious.org



Prester Foods has a passion that stems from a personal (and collective) human need to find a dietary solution for common health challenges. The company's founder experienced the quandary of trying to eat "right" after a diagnosis of gestational diabetes. She also has family members who live with the chronic form of the disease.

Our goal is to start a new trend while simultaneously doing our bit to protect the environment! "We want to change the way people see food and reinforce the notion that it is better to eat healthy functional foods than to pay the price of unhealthy food choices in the long term."

Our brand "Vegscrumptious® – No compromise on health or taste!" consists of alternative foods which are characterized by low carbohydrate, low sugar, high fibre, high protein and low-fat content. Our products are ketogenic-friendly (and good for other carbohydrate restricted diets), vegan friendly, nut free, and have no artificial flavouring or colouring.



Our products include *African swallow* (starchy foods cooked to a dense paste and eaten with soups), cereal, flatbread mix, pasta, pizza crust mix, rice substitute and more. Simply put, it's the food of tomorrow – here today!

Our food development activities were supported by the Ministry of Agriculture through the Agri-Value Initiative (SAVI) under the Canada-Saskatchewan Growing Forward 2 bi-lateral agreement and the Product2Market Program.

The breakfast cereal was supported by Industrial Research Assistance Program (Prairies) - IRAP, National Research Council Canada / Government of Canada.

Protein Industries Canada

Protein Industries Canada will work with industry partners to create co-investment projects that have the potential to transform the agriculture and food production sector, allowing Canada to secure its position as a global leader in the production of plant-based products and co-products.

Protein Industries Canada 200 - 1965 Broad Street, Regina, SK S4P 1Y1
(306) 949-0049 • info@proteinsupercluster.ca • www.proteinindustriescanada.ca



Protein Industries Canada (PIC) is an industry-led, not-for-profit organization created to position Canada as a global source of high-quality plant protein and plant-based co-products. We are one of Canada's five Innovation Superclusters.

PIC will work with private sector industry partners to create co-investment projects that have the potential to transform the agriculture and food production sector, allowing Canada to secure our position as a global leader in the production of plant-based products and co-products.

The goal of the Supercluster is to challenge Canadian businesses to collaborate with other businesses, and post-secondary and research institutions to create projects that have the potential to transform the food processing sector in Canada, creating jobs and stimulating local economies.

PIC will work with companies to gain pathways to customers, markets and partnerships that they could not access on their own, thereby providing them with the



*(Left to right) Navdeep Bains (Minister of Innovation, Science and Economic Development)
Bill Greuel (CEO of Protein Industries Canada) and
James Szarko (CEO of Botaneco Inc.)*

opportunity to leverage their expertise and innovations with that of large and multinational enterprises, public sector organizations and academia.

Canada has an advantage in the fact that we produce unique, high-protein crops, specifically canola and pulses, and we can quickly adapt and scale new high protein crops. Our sustained advantage comes when we have continued access to the global market with products that come from these crops.

Proteus Waters

Proteus delivers solutions recognized as “best available technology” or BAT in relation to the recovery of water from multiple types of wastewaters. Our focused areas of expertise include treating liquid municipal/human sewage and recovering the clean, safe, bacteria-free, odour-free water & fertilizer available for multiple forms of reuse.

Proteus Waters 702 - 601 Spadina Crescent East, Saskatoon, SK S7K 3G8
(306) 715-1589 • info@proteuswaters.com • www.proteuswaters.com

Proteus Waters

Key differentiators are:

- 1) People (experience, awards and expertise in multiple wastewater solutions);
- 2) Process/Systems (performance confidence in quality, schedule, budget & support);
- 3) Technology (automated, turn-key, modular solutions that consistently deliver value);

Our key products are built within “Shipping Containers” (40x8x8 feet) that are rapid to manufacture and set up. We specialize in pre-engineered MBR (Membrane Bio-Reactors) and wastewater training & support. Our clients include new urban developments, small communities and camps with populations of 300 to 5,000 people. Our technologies are certified and proven internationally (carry warranty). Our solutions are recognized as the economical and environmentally sustainable alternative when compared to lagoons or bacteria-based systems (10 x smaller, 10 x better quality, lower lifecycle cost, designed reliability and confidence).



Proteus fosters a culture based on passion for water recovery & reuse. The leadership team is globally recognized with decades of experience in Wastewater Design & Engineering, Project Management and automation. We are supported through a global alliance network that is focused on long term partnerships.

Quantum Genetix Canada Inc.

From crops to cattle, Quantum Genetix applies DNA technologies to improve efficiencies and increase profitability in the agriculture and agri-food sector.

Quantum Genetix Canada Inc. Site 501 Comp 11 RR 5, Station Main, Saskatoon, SK S7K 3J8
(306) 956-2071 • dna@quantumgenetix.com • www.quantumgenetix.com



Q-series products, digital platforms, high throughput, customer service, genomics simplified

Quantum Genetix began almost two decades ago when a group of farmers started using identification and selection of a genetic variant that impacts beef production traits. Knowing the genetic potential for growth in cattle can make management and production more efficient and create more wealth. The basic tenets of genetic identification and making decisions based on genetics has continued to be the backbone of research and development at Quantum over the years and has driven the creation of the innovative Q-series products: Q-select, Q-link, Q-sort, Q-resist, and Q-protect. All these products utilize genetic information to improve decision making and production efficiency.

Quantum Genetix also employs a “Genomics Simplified” approach to help customers understand test results and how genetic information



can be applied in their operation. Mobile tools are available to know if, and when, to spray for sclerotinia (Q-protect) and to determine the best time to market cattle (Q-sort).

At the core of Quantum’s testing facility is a high throughput qPCR lab with highly skilled personnel. We provide diagnostic services for large projects and assist with project design. We can also develop new assays to meet your testing needs. More information on available products and services can be found at quantumgenetix.com.

Quantum Mechanical Technology Inc. Gentle Processing™

With Gentle Processing™ our focus goes beyond efficiency and compliance. This technology has been refined over decades of meticulous research and development to help food producers deliver the right taste profiles with high nutritional value. Our company provides green technologies that meet the highest standards in addressing consumer safety.

Quantum Mechanical Technology Inc. Gentle Processing™
18 - 301 South Industrial Drive, Prince Albert, SK S6V 7L7
(306) 970-1552 • mikedr@qmti.ca • www.qmti.ca



Quantum Mechanical Technology Inc. is a Saskatchewan-based company headquartered in Prince Albert, Saskatchewan with a focus on improving the food chain. Our Canadian and U.S. registered trademark Gentle Processing™ was pioneered by a shared vision when fascinating research crossed paths with industry leaders.

Our manufacturing arm, Quantum Global Technologies (QGTI), was created in partnership with Quantum Mechanical Technology Inc. (QMTI) to apply technical ability, dedicated R&D efforts and raw data to continue to investigate, develop and commercialize green technologies to make food safer, without negatively affecting nutritional content after processing.

Our continued dedication to R&D has uncovered many exciting benefits that our technologies provide, and we continue to discover fascinating new applications and techniques for Gentle Processing™ technologies.

Gentle Processing™ is a technically proven and commercially viable



green technology that will set a new standard in food and food ingredient manufacturing. An industrial alternative to conventional pasteurization and sterilization technologies, Gentle Processing™ is a highly engineered process used to create superior food ingredients through proven nutrient retention capabilities.

Gentle Processing™ safely changes the internal environment of the commodity to become non-supportive to microbe development. Gentle Processing™ can be implemented into food and seed/grain processors as new technology or to replace their existing outdated practices.

Raj Manek Mentorship Program

The Raj Manek Mentorship Program is the leading provider of business coaching, mentorship, and complementary tools to small and medium-sized businesses in Saskatchewan and Alberta who demonstrate a strong desire and readiness for personal and professional growth.

The growth and prosperity of young businesses and the larger community have been and continue to be our top priority.

Raj Manek Mentorship Program 9 - 1724 Quebec Avenue, Saskatoon, SK S7K 1V9
(306) 242-3060 • (780) 758-1189 • (780) 993-9731
info@manekmentorship.sk.ca • www.manekmentorship.sk.ca



RAJ MANEK
MENTORSHIP PROGRAM

We are a 100% volunteer run program, operating since 1998. We offer personalized mentorship matching services, peer-to-peer mentoring, seminars and webinars, exciting networking opportunities, and a business information toolkit with access to experienced advisors - all of which are continually reviewed and updated, in order to enhance the participant experience and ensure the best opportunities for growth and prosperity.

Our success rate is about 83%, some of our protégés have now become mentors and have served on our Board of Directors.

We operate the Raj Manek Mentorship Program in Saskatchewan and have recently expanded into Edmonton with the goal of helping businesses within other communities grow and prosper.

Support:

We support business owners and their entrepreneurial development through Mentorship, Training and Education.

Encouragement:

We believe entrepreneurial development and growth should



be recognized and encouraged through: Communication, Awards and Networking Opportunities.

Protégé Benefits:

- Increase their businesses' success rate significantly
- Gain new insights & ideas
- Receive feedback and advice rooted in past experience
- Develop a support system through encouragement and recognition

Mentor Benefits:

- Help others develop & grow in different areas
- Satisfaction of giving back to the community
- Continue to develop new knowledge, self-awareness & self-esteem

Richardson Pioneer Limited

Richardson Pioneer is Canada's leading agribusiness with the largest, most efficient network of high throughput grain elevators and best in class assets. Our 93 full-service Ag Business Centres offer a complete range of quality fertilizer, crop inputs, and agronomic advice. With over 100 years of experience in the agriculture industry, Richardson Pioneer knows how to help you grow your farm business.

Richardson Pioneer Limited RR3 PO Box 7, Richardson, SK S0G 4G0
(306) 751-7719 • rplmarketing@richardson.ca • www.richardson.ca

RICHARDSON

PIONEER

Richardson Pioneer offers quality when it comes to seed selection, crop planning, and agronomic support throughout the growing season. We have partnered with the world's leading crop inputs suppliers to test and deliver the best technology to our farm customers.

Through our Richardson Pioneer Ag Business Centres, we provide our customers with today's trusted products and agronomic advice. Richardson Pioneer offers assistance in the early crop planning stages to meeting customer's grain marketing needs. With a network of professional agronomists and Certified Crop Advisors across Western Canada, our agronomy team works one-on-one with growers to maximize their farm profit.

Richardson Farms

Richardson Bennett Farm supports the Richardson Pioneer business by providing research and demonstration opportunities. Based on the experience of Kelburn Farm in Manitoba that was established in 1997, Richardson Bennett Farm is a 600-acre farm located just



outside Regina, in Richardson, Saskatchewan. Bennett Farm was established in 2016 and is Richardson's second research farm and crop development centre. With a farm in Saskatchewan, we can gather additional information on how crops and products perform in different growing environments.

This facility is unique to Saskatchewan as it offers our customers, employees, partners and the community the opportunity to see agriculture up close and personal and learn more about the importance of the Canadian agriculture industry for generations to come.

SaskBarley Development Commission

SaskBarley is a producer-elected and directed commission that will ensure producers have the resources, leadership and provincial, national and international representation to strengthen Saskatchewan's competitive advantage and to ensure producers' and Saskatchewan's interests are protected. The first elected Board of Directors took office January 13, 2014.

SaskBarley Development Commission

Bay 6A – 3602 Taylor Street East, Saskatoon, SK S7H 5H9
(306) 653-7232 • info@saskbarleycommission.com • <http://saskbarleycommission.com>

Guiding Principles:

- Accountability to registered producers
- Building and sustaining collaborative relationships with other organizations that share common objectives
- Identifying and leveraging available resources
- Communicating best management practices for barley production
- Advocating on behalf of registered producers
- Maintaining and enhancing Canada's brand for quality
- Demonstrating transparency and good governance



Saskatchewan Canola Development Commission

The Saskatchewan Canola Development Commission (SaskCanola) was established in 1991 to develop the canola industry in Saskatchewan. Today, the grower-elected and directed Commission works on behalf of 20,500 Saskatchewan canola growers to invest levy dollars into strategic priority areas that provide value on-farm.

SaskCanola 212 - 111 Research Drive, Saskatoon, SK S7N 3R2
(306) 975-0262 • info@saskcanola.com • www.saskcanola.com

Our vision is to grow producer prosperity. Our mission is to provide value to canola producers through research investments and communication to growers, consumers and government.

SaskCanola invests in four strategic priority areas: research, grower relations, public affairs and canola promotion. Forty per cent of SaskCanola's budget is invested into research projects that aim to foster innovation, decrease production risk, while increasing sustainability and profitability.

- Our goal with grower relations is to provide producers with relevant and valuable resources to support canola production.
- Our goal with public affairs is to be a voice for canola producers on matters pertaining to research and canola industry development.
- Our goal with canola promotion is to increase awareness, demand and value for canola and its products.

If you have an opportunity, question, or issue relating to Saskatchewan canola production, we encourage you to reach out to our Team.

Saskatchewan growers produce over 50 per cent of Canadian canola.



Saskatchewan Cattlemen's Association

The Saskatchewan Cattlemen's Association (SCA) was established in 2009 with the mandate to provide a united voice for the province's beef industry, with representation from all industry sectors and across all regions of the province. As a development commission, the SCA works to develop and promote the industry by investing levies collected through the sale of beef cattle in the province.

Saskatchewan Cattlemen's Association 102 - 2255 13th Street, Regina, SK S4P 0V6
(306) 585-2333 • info@saskbeef.com • www.saskbeef.com



The SCA was established with 11 regional districts across the province. One director is elected from each district, with two directors appointed, from the *Saskatchewan Stock Growers Association (SSGA)* and the *Saskatchewan Cattle Feeders Association (SCFA)*. The 16-member board also includes the immediate past chair of the SCA.

Every registered producer (any Saskatchewan cattle producer who has paid levies within the last two years and has not received a refund) is entitled to one vote and is eligible

to hold office as a director for the Association.

Beef producers in Saskatchewan currently pay a \$4.50 per head marketed levy. The administration of both provincial (\$2 refundable) and national (\$2.50 non-refundable) levies are the responsibility of the SCA. The authority to collect these levies is found under the *Cattle Development Plan Regulations* and is administered by the SCA. This is a producer-led and controlled fund, with beef producers in charge of leading and shaping their own industry.



Saskatchewan Collaborates Inc.

Co.Labs is Saskatchewan's first technology incubator/accelerator. Its mission is to accelerate the development of Saskatchewan's technology sector by identifying high-potential startup founders and helping them take their technology from an idea to \$1 million in annual revenue in under three years.

Saskatchewan Collaborates Inc. 229 - 116 Research Drive, Saskatoon, SK S7N 3R3
hello@co-labs.ca • www.co-labs.ca

co.labs

As a non-profit with both federal and provincial support, Co.Labs offers four linear programs (Co.Learn, Co.Launch, Co.Labs and Co.Lead) each of which is tailored to a different stage of startup journey from idea to burgeoning SME. This suite of programs functions as a ‘startup funnel,’ which starts off wide at the top as an influx of new startups develop and market their idea or product, then narrows continuously

toward the bottom as most startups ‘fail forward’ and move on to the next idea or venture.

To date, in under three years of operation, Co.Labs has incubated 108 startups that have collectively raised over \$8 million in private investment, generated over \$13 million in revenues, and created 170 new high-quality jobs for Saskatchewan’s economy.



Saskatchewan Flax Development Commission

The Saskatchewan Flax Development Commission (SaskFlax) represents flax producers in Saskatchewan. SaskFlax funds research and market development to benefit growers. SaskFlax partners with the flax industry and organizations to develop the flax industry in Canada and the international markets.

Saskatchewan Flax Development Commission
8 - 3815 Thatcher Avenue, Saskatoon, SK S7R 1A3
(306) 664-1901 • saskflax@saskflax.com • www.saskflax.com



SaskFlax

The Saskatchewan Flax Development Commission represents the flax growers producing and selling flax in Saskatchewan. SaskFlax is directed and funded by flax producers. SaskFlax funds research in areas that benefit flax producers, including variety development, agronomy, and health. The growth in demand is as important as the growth in production of flax and therefore SaskFlax is active in market development activities in domestic and international markets.

Developing new flax varieties that yield well and have good agronomic characteristics is important. At the same time improving knowledge about the management practices through research is also required. Both areas for research are needed to increase production of flax.

The market development of flax includes the seed, meal, oil, and straw. Growing the market for flax and all of its components is needed for the success of the crop.



The health benefits of flax for the consumer has been shown and further research and market development in this area is important for the industry.

The Saskatchewan Flax Development Commission is committed to results that benefit flax producers. SaskFlax continues to partner with other organizations to grow industry demand for flax and create a forward looking flax industry.

Saskatchewan Food Industry Development Centre Inc.

The Saskatchewan Food Industry Development Centre Inc. (Food Centre) is a leader in advancing Saskatchewan's agri-food industry. Our extensive expertise, innovative processing technologies, and inspected processing facilities enable entrepreneurs and agribusinesses to develop unique products and access new market opportunities.

Saskatchewan Food Industry Development Centre (Food Centre)
2335 Schuyler Street, Saskatoon, SK S7M 5V1
(306) 933-7555 • info@foodcentre.sk.ca • www.foodcentre.sk.ca

The Food Centre has established a solid reputation for advancing Saskatchewan's agri-food industry. Our extensive experience and suite of services are sought after locally and internationally. These include novel ingredient development and application, R&D of new food concepts, processing and incubation, pulse innovation through extrusion, and food safety and skills training.

The Food Centre offers a seamless transition from approved prototypes to scale up production in our two state-of-the-art federal facilities. Each facility has diverse technologies to process a variety of food products as well as certifications and inspections to ensure regulatory and food safety compliance. Long-term and short-term incubation processing is offered for businesses of all sizes. Since inception in 1997, the Food Centre has developed and processed approximately 850 client products destined for the marketplace.

The head office and bulk of operations are housed in the **Agri-Food Innovation Centre**, a centre of



excellence for agri-food products. The Food Centre's global reputation in plant-based protein innovations has played a key role in the province's development of this fast-growing market segment. From plant-based meats, snacks, jams, traditional meats (and soon, fermented food products), the Food Centre is an incubator of new ideas, and a manufacturer for companies looking to bring new products to local or global markets.

Saskatchewan Health Research Foundation

Saskatchewan Health Research Foundation (SHRF) is the provincial funding agency that funds, supports and promotes the impact of health research that matters to Saskatchewan.

Saskatchewan Health Research Foundation
324 - 111 Research Drive, Saskatoon, SK S7N 3R2
(306) 975-1680 • info@shrf.ca • www.shrf.ca



Saskatchewan Health Research Foundation is proud to contribute to the growth of a high-performing health system, robust culture of research and innovation, and the improved health of citizens by strengthening research capacity and competitiveness, increasing the investment in health research in Saskatchewan and aligning research with the needs of our stakeholders.

As a research funding agency, SHRF is a trusted, neutral convener of multiple stakeholder groups, possessing in-depth knowledge, an unbiased view and expertise that adds value and unique insights to Saskatchewan's research ecosystem. SHRF's partnerships increase the investment in research and innovation in the province, while maximizing efficiencies, reducing duplication and increasing impact.

Saskatchewan is home to some of the most advanced health research technologies, infrastructure and expertise in the world. SHRF



enables Saskatchewan health researchers to place themselves among the world's best by maintaining a rigorous peer review process that ensures the quality and relevance of research, setting scientists up for further success and measuring and sharing stories of impact.

SHRF works as a catalyst to advance health research in areas that address the needs of Saskatchewan people and capitalizes on the unique strengths of Saskatchewan's research ecosystem.

Saskatchewan Institute of Agrologists

The Saskatchewan Institute of Agrologists (SIA) was established to ensure that every person practicing agrology is licensed and competent.

Agrologists provide accurate, science-based knowledge and advice on agriculture, the sustainability of the food system and protection and stewardship of natural resources. The mandate given to the Institute under *The Agrologists Act* is first and foremost to protect the public.

Saskatchewan Institute of Agrologists 29 - 1501 8th Street East, Saskatoon, SK S7H 5J6
(306) 242-2606 • info@sia.sk.ca • www.sia.sk.ca

Across Canada, agrology is a regulated profession, like accounting, medicine, engineering and law. All individuals practicing agrology in the province are required to obtain a license to practice with the Saskatchewan Institute of Agrologists.

Agrology is a self-regulated profession as defined under *The Agrologists Act*; to ***“practice agrology” means to be engaged for hire, gain or the hope of reward in developing, applying, teaching or advising on scientific principles and practices.***

It is a profession with stringent guidelines for licensing and maintenance of the license issued. Applicants for licensing must have a four-year degree or two-year diploma in agriculture, environmental science or an acceptable course of study deemed equivalent.

Guardians of the Food System

Canadians continue to enjoy the safest and most nutritious food supply in the world, thanks in large part to the diligence of agrologists in regulating and safeguarding food production and processing.



Stewards of the Environment

Agrologists provide leadership in environmental sustainability through their efforts in conservation, wetland protection, remediation, land management techniques and renewable resource management.

Innovators in the Economy

Agrologists provide valuable business information and services through their in-depth knowledge about financial systems, marketing trends, economic analysis, policies and business management in order to grow the Canadian markets and boost the economy.

Saskatchewan Ministry of Agriculture

The Saskatchewan Ministry of Agriculture fosters a commercially viable, self-sufficient and sustainable agriculture and food sector. The Ministry encourages farmers, ranchers and communities to develop higher value-added production and processing, and promotes sustainable economic development in rural Saskatchewan through strong risk management.

Saskatchewan Ministry of Agriculture 3085 Albert Street, Regina, SK S4S 0B1
1-866-457-2377 • aginfo@gov.sk.ca • www.saskatchewan.ca/agriculture

Saskatchewan!

Saskatchewan is an agricultural leader. With more than 40 per cent of Canada's arable land, our farmers and ranchers produce some of the world's best agricultural products.

Saskatchewan is also a leader in developing and commercializing vaccines, diagnostics, food and feed, and industrial products. This is in part due to the provincial government's support and commitment to science and innovation.

The Ministry invests in research and development activities enhancing the diversification and profitability of agriculture in the province. Funding for projects in research, demonstration, and adoption of new technologies ranging from the local level to the development and commercialization of new technologies follow four streams: Infrastructure Support, Intellectual Capacity, Knowledge Creation and Technology Commercialization and Transfer.

The Saskatchewan Ministry of Agriculture recognizes the need to develop new knowledge and technologies required for improving Saskatchewan's crop and livestock production and processing



practices. Saskatchewan producers and the agriculture industry continually look for new knowledge and information to address challenges and emerging opportunities, and to add value to agricultural commodities. Therefore, the Ministry supports a strong agricultural research and development program defined by intellectual capacity and infrastructure. These underpin the continued knowledge creation and technology commercialization that are needed to retain the competitiveness and profitability of farmers and ranchers as well as the provincial agriculture industry.

Saskatchewan Ministry of Trade and Export Development

Saskatchewan's Ministry of Trade and Export Development advances economic growth to generate wealth and opportunity in Saskatchewan. The ministry facilitates a coordinated cross-government approach to attract investment and grow export markets.

The ministry's main roles are to support a competitive business environment, grow the Saskatchewan economy, facilitate investment, strengthen Saskatchewan's international relations and enhance trade. The ministry offers investors a single-point-of-access to business incentives and tax credits, as well as other information and services needed to successfully grow businesses here.

Saskatchewan Ministry of Trade and Export Development
1000 - 2103, 11th Avenue, Regina, SK S4P 3Z8
invest.sask@gov.sk.ca • www.thinksask.ca/invest

Saskatchewan!

Saskatchewan has all the components for food processing and ingredient manufacturing companies to be successful: large-scale production of a variety of crops and world-class R&D, as well as a supportive government.

Saskatchewan has built its pulse sector to be the largest in the world. The province is the world's largest exporter of peas, lentils, durum wheat, mustard seed, canola, flaxseed and oats. It is recognized worldwide for the quality of its crops, and in recent years agri-value companies have made significant investments into further processing of these crops.

The province has a strong and growing agri-food sector and is a leading exporter of agri-food products with sales reaching \$13.4 billion in 2018. Since 2004, Saskatchewan's annual revenue from value-added agriculture has more than doubled from \$2.3 billion to an estimated \$5.2 billion in 2018. The province is world-renowned as a consistent supplier of high-quality, safe agricultural products, including ingredients for a variety of foods, such as cereals, beverages, baked products, snacks and bars.



Saskatchewan Polytechnic

Through applied research Sask Polytech is helping industry solve today's challenges. These projects take many forms including product development, process design, technology adoption and proof of concept. Using state-of-the-art facilities, equipment and faculty expertise, Sask Polytech delivers solutions. Intellectual property for applied research projects is retained by industry, creating more incentive for future engagement and collaboration.

Saskatchewan Polytechnic Office of Applied Research and Innovation

Saskatchewan Polytechnic, Regina Campus, 4500 Wascana Parkway, PO Box 556,
Regina, SK S4P 3A3 • Toll free: 1-866-467-4278

Applied.research@saskpolytechnic.ca • www.saskpolytechnic.ca/research

Saskatchewan Polytechnic, Saskatoon Campus, Administrative Offices,
400 - 119 4th Avenue South, Saskatoon, SK S7K 5X2

1-866-467-4278 • applied.research@saskpolytech.ca • www.saskpolytech.ca/research/



Sask Polytech's applied research partners have access to exceptional facilities and faculty expertise, funding for research and development, and a wide network of connections. Sask Polytech enables companies to capture new opportunities, solve everyday problems and contribute to economic growth and job creation in Saskatchewan.

Delivering solutions:

Applied research projects are steered by industry. Through a collaborative approach Sask Polytech can help industry adapt to technological advancements, respond to changing needs and contribute to creating a stable economy.

Helping innovate:

Sask Polytech has the in-house capacity to conduct experiential development, business validation and technology adoption and provides the resources industry needs to innovate. Faculty and staff combine their expertise with leading-edge technology, such as genome sequencers, to assist research partners solve their research challenges.

Securing funding:

From startups to established industries, Sask Polytech knows where to find financial support. Whether you are



looking to start a new project or take your business to the next level, Sask Polytech will put its knowledge to work connecting researchers and their industry partners with the funds they need.

BioScience Technology program:

Saskatchewan Polytechnic is a leader in the education of laboratory technologists. Its nationally accredited BioScience Technology program trains highly qualified lab technologists to work in the agbiotech, biomedicine, environment and bioproduct industry clusters. Sask Polytech students participate in applied research projects that offer teamwork and problem-solving experiences to solve real business challenges. The benefit of student participation is dual: businesses get access to an additional resource and students build their skills.

Saskatchewan Pulse Growers

Saskatchewan Pulse Growers is a pulse crop development board that is accountable to and funded by growers. Our mission is to provide leadership and create opportunities for profitable growth for the Saskatchewan pulse industry. Our vision is to nourish the world with profitable pulse production.

Saskatchewan Pulse Growers 207 - 116 Research Drive, Saskatoon, SK S7N 3R3
(306) 668-5556 • pulse@saskpulse.com • www.saskpulse.com



Saskatchewan Pulse Growers (SPG) is a not-for-profit organization representing and supporting approximately 15,000 pulse crop growers in Saskatchewan. SPG is funded by a mandatory, non-refundable levy and led by a producer-elected Board of Directors, comprising seven Saskatchewan pulse growers. The four major pulse crops grown in Saskatchewan are peas, lentils, chickpeas and faba beans. Canada is the world's leading lentil, pea, and chickpea exporter. Saskatchewan

growers produce 90 per cent of the Canadian lentil crop, 53 per cent of Canadian peas, and 95 per cent of Canadian chickpeas. SPG has four major program areas that are funded through grower levy dollars: research and development, market development, communications, and variety commercialization. Approximately 60 per cent of SPG's budget is invested into research, with a significant amount in support of pulse crop variety development.



Saskatchewan Research Council

The Saskatchewan Research Council (SRC) is Canada's second largest research and technology organization supporting innovation and industrial commercialization for clients around the world. SRC focuses its efforts on the mining, minerals, agriculture and energy sectors, and the environmental considerations that are important across each sector.

Saskatchewan Research Council 125 - 15 Innovation Boulevard, Saskatoon, SK S7N 2X8
(306) 933-5400 • info@src.sk.ca • www.src.sk.ca



The Saskatchewan Research Council delivers innovative biotechnology solutions to support the core resource sectors of mining, energy and agriculture. Our portfolio of genomic, microbiology and DNA testing services contribute to a sustainable agriculture industry in Canada.

SRC Environmental Analytical Laboratories'

bioanalytics team uses biological, microbiological and toxicological techniques to analyze and determine contaminants, pathogens, diseases or other substances that may affect the environment, agriculture, food or public health and safety.

- Extensive testing capabilities within the laboratory provide substantial support to the emerging cannabis and hemp industries, as well as more established industries such as agriculture, food and nutraceuticals.
- DNA testing techniques are used to establish seed or plant characteristics, such as midge tolerant wheat, and newer tests are being developed for environmental monitoring.
- Microbiological testing capabilities support water safety for drinking or other purposes and monitoring programs.



- Aquatic toxicity testing techniques help various industries establish the safety of effluents for release into an aquatic environment.
- Water, air and soil testing for a variety of contaminants or nutrients are available for producers and landowners.

SRC's Process Development

team works with clients to commercialize bioprocessing technologies and seamlessly transfer technology applications to make bioproduction faster, cleaner and more efficient.

Other related core areas of focus for SRC include environmental remediation, bioremediation, microbial enhanced oil recovery, integrated data management and climate impact assessments and adaptation strategies.

Saskatchewan Trade & Export Partnership

Saskatchewan Trade and Export Partnership (STEP) was officially launched on August 21, 1996 with a mandate to increase Saskatchewan's exports to existing markets and to tap into new markets by initiating sales, contracts, and projects for Saskatchewan exporters.

Saskatchewan Trade & Export Partnership (STEP) PO Box 1787, Regina, SK S4P 3C6
1-888-XPORTSK (976-7875) • inquire@sasktrade.sk.ca • www.sasktrade.sk.ca



Saskatchewan Trade and Export Partnership (STEP) champions the province's export industry and assists provincial businesses in realizing global marketing opportunities. STEP is a member-driven, non-profit corporation dedicated to increasing Saskatchewan's export activities while raising awareness of the province's distinct products and services.

Linking Saskatchewan suppliers with the global marketplace - STEP is a direct connection to expertise, markets, and global networks. Members are offered a variety of services and programs that can help diversify customer bases and grow export business including Trade Development, Market Intelligence, Qualified Trade Leads, Education & Networking, Marketing & Promotion.



Saskatchewan Wheat Development Commission

Our mission:

To provide leadership in identifying and supporting research, market development and advocacy that contributes to profitable and sustainable wheat production for Saskatchewan farmers.

Our vision:

That wheat is a sustainable, profitable and internationally competitive crop capturing the benefits for Saskatchewan farmers and the community.

Saskatchewan Wheat Development Commission (Sask Wheat)

310 - 111 Research Drive, Saskatoon, SK S7N 3R2

(306) 653-7932 • info@saskwheatcommission.com • www.saskwheatcommission.com

Sask Wheat is a non-profit agency established by the Saskatchewan Ministry of Agriculture on June 20, 2013 (under the Agri-Food Act, 2004), to build a platform for growth in the province's wheat industry. Sask Wheat, which is producer-elected and directed, ensures that the proper resources, leadership and representation are in place to ensure producers' interests are protected and to strengthen the province's competitive advantage. Check-off dollars administered by Sask Wheat go toward research, market development, communications and promotion initiatives that will lead to improved wheat varieties, improved marketability, and higher value for producers.

Sask Wheat collects a check-off of \$0.52 per tonne, which became effective on August 1, 2013. This check-off ensures there is funding in place for research, market development and promotion related to Saskatchewan-grown wheat. Through Sask Wheat's elected Board of Directors, Saskatchewan producers have a direct say in how these funds are invested.

Research is one of the key strategic priority areas.

As of January 2017, Sask Wheat has invested nearly \$5.7 million in research projects.

Research Goal: To maximize direct financial benefit to Saskatchewan producers through yield gains, improved quality characteristics and agronomic efficiencies.



Objectives:

- To support, encourage, and expand the potential of publicly and producer-funded wheat breeding and variety development
- To sustain and advance existing research programs that have demonstrated value
- To identify and pursue opportunities for agronomic research
- To determine a path toward a producer ownership model for variety development

Sask Wheat has producer and profit oriented research as a key priority. The objective of the research program is to build research relationships and identify and invest in research and development initiatives in three main priority areas:

- Variety development – genetics, breeding methods, pre-breeding, breeding, pathology, quality, performance testing
- Production – agronomy and cropping systems, fertility management, weed/disease/pest management production management
- Post-production – storage, end-use quality, new uses, economic/regulatory analysis, processing and value-added initiatives

The Saskatoon Colostrum Company Ltd.

For 20 years The Saskatoon Colostrum Company Ltd. (SCCL) has been dedicated to providing 100% natural bovine colostrum products to our customers worldwide. Our success is driven by years of research by veterinary immunologists from the Western College of Veterinary Medicine who continue to lead a team of scientists creating the best colostrum products in the world.

The Saskatoon Colostrum Company Ltd. 30 Molaro Place, Saskatoon, SK S7K 6A2
(306) 242-3185 • info@saskatooncolostrum.com • www.saskcolostrum.com



SCCL is a privately held biosciences company specializing in developing and producing innovative colostrum products from Canadian dairy cows approved to produce milk for human consumption. Scientists at SCCL have developed methods of accurately measuring some of the key immunological, metabolic, and nutritional components found in colostrum. Using these assays, in combination with a proprietary processing method that preserves the levels of key components, SCCL produces spray dried, refined colostrum products that contain specified levels of important ingredients.

Our colostrum is tested for potency, purity, safety and efficacy to guarantee an end product that

meets the highest quality control specifications for global distribution. Our facility and products are licensed by stringent regulatory agencies including the CFIA, USDA, SAGARPA, NASC, and others. Our facility is GMP certified by Health Canada and produces NHPD licensed products.

We offer our products in many countries including Canada, the United States, Mexico, Chile, Uruguay, Columbia, Japan, Korea, Thailand and Israel. We intend to increase our exporting capability and are open to developing relationships with parties interested in importing our products in a variety of formats. SCCL manufactures colostrum products for calves, lambs, kid goats, pets, and people.



Saskatoon Regional Economic Development Authority

SREDA's role is to strengthen and grow the local economy by providing programs and services in the areas of business attraction and expansion; entrepreneurship; regional economic development and planning; Indigenous economic development; economic intelligence and marketing the Saskatoon Region.

Saskatoon Regional Economic Development Authority (SREDA)

Suite 103 - 202 4th Avenue North, Saskatoon, SK S7K 0K1

(306) 664-0720 • info@sreda.com • www.sreda.com



The Saskatoon Regional Economic Development Authority (SREDA) is committed to promoting and celebrating the innovative and often ground-breaking projects and products being created in the Saskatoon Region. The Saskatoon Region is home to some of the world's most accomplished science and technology innovations. These innovations are essential to the strength and diversity of our economy.

Globally, SREDA promotes the Saskatoon Region's science and technology innovations to potential partners. Our staff is pleased to assist companies looking to build international connections and business partnerships in the Saskatoon Region. As part of this assistance, SREDA administers the City of Saskatoon's Business Development Incentives Policy. This policy provides businesses an opportunity to receive a tax abatement on investment dollars spent to establish or expand in the City of Saskatoon. SREDA can also provide direction on how to



maximize investment within the Saskatoon Region through similar regional tax incentives policies.

Locally, SREDA celebrates the science and technology industries at our *Science, Technology, Innovation and Collaboration (STIC) Awards*. This annual event showcases the people, projects and products that contribute to our world-class science and technology cluster. The calibre of the STIC finalists clearly demonstrates the Saskatoon Region is a hub for science and technology innovations.

Smart Earth Camelina Corporation

Smart Earth Camelina is dedicated to developing the best camelina varieties available while working hand-in-hand with our growers to provide excellent production practices.

We are the leading global camelina enterprise and we maintain a continuous plant-breeding program unmatched in scale and scope.

Our plant-breeding activities provide a significant pipeline of trait development to ensure maximum yield and profitability for our growers for years to come.

Smart Earth Camelina Corporation 2024 - 110 Gymnasium Place, Saskatoon, SK S7N 0W9
(306) 931-3382 • info@SmartEarthSeeds.com • www.smartearthcamelina.ca



Camelina is a unique, low-input dryland oilseed crop and is a high-yielding source of nutritionally important Omega fatty acids, delivered in a high antioxidant background. It provides excellent quality meal and oil for animal feed and aquaculture. Camelina can be produced on marginal lands with significantly lower inputs than other oilseeds, such as canola, while providing competitive yields. The oil profile is similar to flax in that it provides high-Omega oil but has greater oxidative stability than flax.

Camelina oil is in high demand for aquaculture, improving the N6:N3 ratio in farmed fish while delivering a more sustainable marine-free diet and so reduces the requirement to use fish oil. Camelina meal produces high-Omega eggs in layers and meat in broilers. Promising markets include dairy, companion pets and human health and nutrition.

Smart Earth Camelina offers the finest quality cold-pressed filtered 100 per cent non-GMO *Camelina sativa* oil. Our camelina is grown



from our own carefully developed germplasm by great producers on the Canadian Prairies.

Camelina is rich in Omega 3 fatty acids and tocopherols in a ratio that is unique among vegetable oils. In recent years the potential health benefits of camelina supplements for animals in the form of oil, seed and meal is being widely researched and acknowledged.

Our large seed size Cypress brand Camelina oil offers 1.2-1.6:1 ratio of Omega 3 to Omega 6 along with a superior shelf life and oxidative stability.

Sylvia Fedoruk Canadian Centre for Nuclear Innovation Inc.

The Fedoruk Centre's mission is centred around research support for nuclear innovation and technology.

Our purpose is to place Saskatchewan among global leaders in nuclear research, development and training through investment in partnerships with academia and industry for maximum societal and economic benefit.

Sylvia Fedoruk Canadian Centre for Nuclear Innovation Inc.

303 - 111 Research Drive, Saskatoon, SK S7N 3R2

(306) 966-3379 • Lidia.matei@fedorukcentre.ca • www.fedorukcentre.ca

The Fedoruk Centre supports nuclear research, development and training in three target impact areas:

1. Nuclear imaging tools and methods to advance life sciences, agri-biotechnologies and medicine
2. Material sciences, through nuclear techniques, to improve energy, health and transportation
3. Understanding the practical and social aspects of nuclear energy, to inform decision-making towards a clean, sustainable future

Our key activities:

- Fund projects to support research and development of Saskatchewan-based scientists in the nuclear domain
- Fund programs to establish multidisciplinary academic clusters
- Provide consultative services and acquire resources for the public and policymakers to grow partnerships
- Operate and Manage the *Saskatchewan Centre for Cyclotron Sciences (SCCS)* a world-class facility for nuclear imaging, discovery and innovation



Saskatchewan Centre for Cyclotron Sciences (SCCS)

supports innovation in nuclear imaging and therapy in living specimens: plants, animals and humans.

This unique-in-Canada user facility features a high-energy cyclotron, radiopharmaceutical production facility, and radio-chemistry laboratories. SCCS provides organizations with access to specialized facilities and expertise to accelerate new nuclear medical technologies. The access to a cyclotron, along with capabilities for nuclear imaging at SCCS, provides plant and soil researchers with a combination of technology platforms that is unique in the world.

Three Farmers Products

We connect Canadian farmers to consumers by bringing sustainable, quality food products to the marketplace. We work hard to create minimally processed, healthy food while sharing the story of how it's made.

Three Farmers Products 514A - 45th Street East, Saskatoon, SK
1-877-295-1551 • info@threefarmers.ca • www.threefarmers.ca



Three Farmers Foods is a brand that specializes in bringing sustainable, quality food products to market. The products are all Canadian grown and made, and include a line of camelina oils, roasted chickpea, green pea and lentil snacks. Three Farmers Camelina oil is the perfect cooking oil because it is heart healthy, natural and extremely versatile; it's the only oil you need in your pantry.

Three Farmers roasted chickpeas are the ultimate healthy snack; they are nut free, gluten free and rich in protein and fibre. *Three Farmers Pea Pops* is a line of roasted green peas, they are also nut free, gluten free

and low in fat. They are a snack that tastes great and you can feel good about eating.

Three Farmers Crunchy Little Lentils are the newest innovation from the brand. This dry roasted lentil snack line offers the same high fibre, high protein and allergen free qualities that customers have come to expect from the brand. You'll wonder how a pulse so small, can make you feel so mighty! Three Farmers vision is to continue to be an innovator in the healthy food market and become the leading Saskatchewan food brand.



Titan Clean Energy Projects

Titan Clean Energy Projects began in 2008 as a project developer, intending to bring ground-breaking technologies to the marketplace. In nine years, we've invested more than \$5 million and created more than a dozen products from soil amendments to health and beauty ingredients.

Titan Clean Energy Projects 501 Crossford Avenue, PO Box 296, Craik, SK S0G 0V0
(306) 734-2222 • info@titan-projects.com • www.titan-projects.com



TITAN

Carbon Smart Technologies

Titan is Saskatchewan's largest biomass recycler and converts wood waste and agricultural residues into more than a dozen value-added products. We use proprietary technologies to produce clean, renewable carbon sequestering products for agriculture, industry, and consumers.

Our cornerstone products include:

- **Carbon 2M™** targeted at farmers who prefer natural feed additives for healthier livestock.
- **Mayan Gold®** for horticulture to enhance plant growth and remediation of contaminated sites.
- **Firefly Activated Charcoal™** for do-it-yourselfers who want charcoal as part of their health and beauty products.
- Coloured wood mulch for landscapers.
- Animal bedding.
- Absorbents for spills.



We are also an approved processor of treated wood such as rail ties and power poles, which are mechanically separated and turned into products exclusively for the energy industry.

Many of our products have achieved organic input certification and all account for a low or negative carbon footprint.

We are building a carbon smart future in Saskatchewan!

Tuberosum Technologies Inc.

Tuberosum Technologies Inc. is a for-profit company engaged in scientific research and development services in the agriculture industry in Alberta and Saskatchewan. Tuberosum is involved in innovative research and development of technologies for the improvement in potato production to satisfy current consumer preferences, in particular as it relates to small/baby potatoes, specialty potato varieties and organic potatoes.

Tuberosum Technologies, Inc. Box 35, Broderick, SK S0H 0L0
(306) 867-1212 • info@tuberosumtechnologies.com • www.tuberosumtechnologies.com



Tuberosum Technologies Inc. (Tuberosum) was founded by Jacob Van der Schaaf in 1995 and since then has focused its efforts on potato breeding and varietal research, specifically for the “little potato” varieties. Tuberosum’s research is focused on the development of technologies for the improvement in potato production to satisfy current consumer preferences, in particular as it relates to small/baby potatoes, specialty potato varieties and organic potatoes. Tuberosum has recently expanded its breeding program through partnerships in Europe and South America.

Since its inception, Tuberosum has sought to change the focus of traditional potato breeding, and the potato industry as a whole, towards something more sustainable, marketable and exciting. Tuberosum Technologies was founded with a mission to make a contribution in developing the potato as one of the most efficient food crops in the world.



Already the third largest crop consumed by humans (after rice and wheat), many specialists believe that the potato can become an even more important source of human nutrition through dedicated research efforts that are channelled effectively to the grower level.

University of Regina

The University of Regina has an established reputation for excellence and innovative programs. Our researchers produce new knowledge and innovations that help us to better understand the world around us and our role in it, build a healthier and more sustainable society, and contribute to a thriving economy.

University of Regina

3737 Wascana Parkway, Regina, SK S4S 0A2

(306) 585-4986 • research.office@uregina.ca • www.uregina.ca/research



University of Regina

The University of Regina is home to more than 400 researchers across the University's 10 faculties, 25 academic departments/schools, 18 research centres and institutes, and three federated colleges (Campion College, First Nations University of Canada, and Luther College). The breadth, depth, and multidisciplinary nature of our research enterprise has resulted in numerous applications for advancing priorities in the agricultural sector. Below are some examples of the University's specific areas of research that have generated significant collaborations with our research partners:

- Precision agricultural technology
- Advanced plant imaging techniques for understanding plant functions at a molecular level
- Functional microbial genomics laboratory at our *Institute for Microbial Systems and Society (IMSS)*
- Effects of environmental changes and industrial activities on fresh water systems



- at the *Institute for Environmental Change and Society* and on the soils that support our infrastructure through our multi-disciplinary Ground Security Initiative
- Waste management, ground water simulation, water treatment development, climate modeling, and general environmental impacts through the *Institute for Energy, Environment and Sustainable Communities*
- Factors that affect consumer decisions as it relates to pro-environmental behaviours using techniques from psychology, public policy and economics.

University of Saskatchewan College of Agriculture and Bioresources

The College of Agriculture and Bioresources is an interdisciplinary, applied sciences college with expertise in, and integrated across, four theme areas:

Plants and Animals

Environment and Ecology

Food, Feed and Bioproducts

Agribusiness and Applied Economics

We apply our expertise to the effective, efficient and responsible development and management of our land, water and biological resources to find solutions to sustainably feed a hungry and growing world.

University of Saskatchewan - College of Agriculture and Bioresources

51 Campus Drive, Saskatoon, SK S7N 5A8

(306) 966-4056 • agbio.reception@usask.ca • www.agbio.usask.ca • Twitter: @agbiiousask



UNIVERSITY OF SASKATCHEWAN

College of Agriculture and Bioresources

AGBIO.USASK.CA

In everything we do, the College of Agriculture and Bioresources maintains partnerships, not only across the network of bioresource industries that includes agriculture, forestry, recreation and conservation, but also with government, and rural and Aboriginal communities.

Our engagement is both local and international, with an increasing emphasis on the provision of a safe and nutritious food supply for a growing population. We are committed to

providing an exceptional learning experience by inspiring students and preparing graduates for leadership in the bioeconomy. Our learning environment is continually enriched by the information flowing from our innovative research programs.

With a century-long reputation for teaching, research and outreach, we continue to build on a legacy of public engagement and co-operative partnerships to help overcome challenges facing communities.



College of Agriculture and Bioresources

DEPARTMENTS

Department of Animal and Poultry Science

Through dedicated and globally recognized faculty, the Department of Animal and Poultry Science leads extensive and high quality applied and basic research programs in animal nutrition, management, genetics, welfare, physiology and environmental interaction. Research activities in beef, dairy, poultry, swine, fish and companion animals are supported by extensive laboratory, feed processing and animal facilities.

Department of Agricultural and Resource Economics

Our research encompasses areas such as innovation (biotechnology, plant breeders' rights, bioproducts), rural communities, resources and the environment (climate change, water resources, forestry), agri-food marketing and supply chains, food safety, international trade and entrepreneurship. Our research activities sit at the nexus of applied economics, business and policy analysis for the agriculture, food and resource sectors with opportunities for collaboration and consultation with all areas of the bioscience industry.

Department of Food and Bioproduct Sciences

Our researchers are at the forefront of food and bioproducts research in Canada and are recognized internationally for their specialties in food for health, food chemistry, processing, microbial biotechnology, authenticity, nanotechnology, meat science, bioenergy and nutrigenomics. Our goal is to fully utilize renewable bioresources to produce healthy foods and environmentally friendly bioproducts to support a sustainable bioeconomy.

Department of Plant Sciences

The Department of Plant Sciences and the fully integrated Crop Development Centre offer research programs focusing on the physiology, development management and production of field and horticultural crops on the Canadian prairies and the management of non-arable lands. Our scientists conduct research to develop new crop varieties that will not only thrive under our prairie growing conditions but will supply vital commodities to global markets to sustainably feed the world.

Department of Soil Science

The Department of Soil Science is an international leader in field-based, landscape-scale research. Faculty are actively involved in research that focuses on terrestrial and aquatic ecosystem health – linking basic micro-scale science to real world issues at both the landscape and global scales: studying the interaction of soil, topographic and environmental factors, to better understand ecosystem functioning, while investigating climate change impacts on prairie and arctic ecosystems.

College of Agriculture and Bioresources

CENTRES & FACILITIES

The **Agriculture Greenhouses** on campus are programmable to specific temperature, humidity and lighting requirements. Seven cold chambers feature programmable temperature and humidity controls for short or long-term storage. Greenhouse and cold chamber space is available for rent.

The **Livestock and Forage Centre of Excellence** brings together Saskatchewan livestock and forage research into one entity, providing a broad-based research, teaching and extension platform. The Centre emulates the commercial supply chain, and is both reactive and proactive in developing research, teaching and technology transfer programs which provide the livestock and forage industry of Saskatchewan and Canada new tools and techniques for healthy, sustainable and competitive growth. Facilities include: a forage/cow-calf research facility with handling facilities, pens and pastures for a 400-head cow-calf herd; a research feedlot with capacity for 1,500 head; a metabolism barn capable of housing 24 animals and equipped with sophisticated lab,

feeding and handling facilities; forage development trial lands; pasture lands; and a refurbished Goodale Research Farm with increased capacity for research on herd and individual animal health and management.

The **Bioprocessing Pilot Plant** on campus houses industrial-grade, pilot scale scientific equipment designed to isolate and extract compounds from various plants and crops. Such compounds may be studied further at laboratory scale or applied in industry, and include biofuels, protein ingredients, starches and natural health products. The facility is available for collaborative research projects with other academic units, research organizations and industry partners, and for toll processing.

The **Breeder Seed Facility** is a state-of-the-art 10,000 square foot seed cleaning facility located on the Kernen Crop Research Farm. The facility is used to clean the Crop Development Centre's breeder seed, which is shipped to select seed growers and seed companies across Western Canada.



The **Canadian Feed Research Centre** at North Battleford researches, develops and commercializes new and better high-value animal feeds from low-value crops and co-products from bioprocessing and biofuels industries. This world-class facility offers a broad range of research-scale capability, from laboratory to pilot plant to larger industrial-scale research.

The **Controlled Environment Facility** consists of 183 environmentally controlled reach-in cabinets and walk-in rooms that can be programmed to produce various environmental conditions, such as qualities and intensities of light, ranges of temperature and humidity. The cabinets and rooms are available on a rental basis to clients within and outside of the university.

The **Crop Development Centre** is a field crop research organization within the Department of Plant Sciences at the University of Saskatchewan. Scientists integrate basic research with genetic improvement of spring wheat, durum, canary seed, barley, oat, flax, field pea, lentil, chickpea, fababean and dry bean.

The **Feeds Innovation Institute** is a research and development service dedicated to capturing economic opportunities in the domestic feed value chain. The Institute delivers

industry acumen, research and development capability, proactive solutions, organization development, and an extensive resource and knowledge base to capture economic opportunities in an increasingly sophisticated and demanding animal feedstuffs world market.

The **Grains Innovation Laboratory** is a 1,466m² grain quality screening laboratory. The lab comprises a baking facility for wheat, a malting facility for testing malt characteristics of experimental barley lines, a wet chemistry facility for assessing the characteristics of all new crop lines, a milling room, a grinding room and a drying facility to dry down crops that are harvested from the research plots.

Located just outside of Saskatoon, the **Kernen Crop Research Farm** accommodates ecological studies, grazing studies, crop breeding, crop production, and crop and weed management research in the Department of Plant Sciences.

The **Mass Spectrometry Laboratory** operates on a fee for service basis with its three mass spectrometers and multiple sample preparation units. It has instrumentation capable of measuring the per cent and the isotope ratios of N and C in solid sample materials such as soil, plant tissue and flesh tissue. It also has instrumentation capable of measuring the isotope ratios of N and C in vials containing N² and CO₂, and the isotope ratio of C in fatty acid samples by GCMS.



The **Poultry Centre** on campus consists of a total of ~3000m² of space available for nearly 43,000 birds each year to support research in poultry nutrition, management and welfare.

The **Prairie Swine Centre** is a 300-sow farrow-to-finish swine research facility located just outside of Saskatoon, Saskatchewan. Research programs specializing in animal behaviour and welfare, nutrition and agricultural engineering focus on the applied aspects of issues facing the swine industry. The Centre's technology transfer program focuses on distributing the scientists' latest research results, ensuring strong engagement within the pork industry.

The **Rayner Dairy Research and Teaching Facility**, located on campus, accommodates approximately 100 lactating cows with robotic, parlor and tie-stall milking capabilities. Research performed in the facility includes dairy nutrition and feed development, animal fertility and health, animal management, technology development, application of information technologies, and development of green technologies for improved sustainability.

University of Saskatchewan College of Arts and Science

The College of Arts and Science is the largest and most diverse college at the University of Saskatchewan, with teaching and research activities spanning the sciences, social sciences, humanities and fine arts. The college exists to stimulate creative and critical thought, foster the joy of discovery and nurture curiosity-driven research.

University of Saskatchewan College of Arts and Science

9 Campus Drive, Saskatoon, SK S7N 4L3

(306) 966-4232 • dean.artsandscience@usask.ca • <http://artsandscience.usask.ca>



UNIVERSITY OF SASKATCHEWAN

College of Arts and Science

ARTSANDSCIENCE.USASK.CA

At the College of Arts and Science, more than 10,000 students and 300 faculty members work to advance knowledge across a range of disciplines broader than any other college at a Canadian research-intensive university.

The college's 65 areas of study cover more than a dozen bioscience specializations including biology, pharmacology, microbiology and immunology. Drawing on its unique disciplinary breadth, the college is also home to cutting-edge research and education programs in interdisciplinary fields such as food science, bioinformatics and biotechnology. Students in these programs gain hands-on research experience that equips them to tackle many of the world's most complex issues.

Faculty in the College of Arts and Science maintain diverse research programs that emphasize community engagement and international



collaboration. Much of the college's instruction and research occurs in state-of-the-art facilities on the University of Saskatchewan campus including the **Canadian Light Source synchrotron** and **VIDO-InterVac**, and in a wide array of research centres and units housed within the college itself. These vital centres strengthen, facilitate and promote research excellence and activity across departments, the university campus and beyond.

University of Saskatchewan College of Engineering

We are committed to cultivating innovation and delivering value to Saskatchewan.

- We provide an accredited program that prepares our students to become engineering professionals, society leaders and technical entrepreneurs.
- Through their research, our faculty are committed to actively engaging with industry, government, and communities to foster genuine and mutually beneficial partnerships.

University of Saskatchewan - College of Engineering

57 Campus Drive, Saskatoon, SK S7N 5A9

(306) 966-5273 • coe.inquiries@usask.ca • www.engineering.usask.ca



UNIVERSITY OF SASKATCHEWAN

College of Engineering

ENGINEERING.USASK.CA

Cultivating Innovation

In our research program, we are leaders in creating knowledge and providing effective solutions that build a healthy and sustainable society, environment and economy – for our province, Canada and the world.

We strive to distinguish ourselves for research excellence, particularly in areas of strategic importance to our province, so that we may be part of the innovation enterprise that drives the economy of Saskatchewan.

Our areas of focus are:

- Engineering for agriculture
- Environment
- Health
- Sustainable energy
- Mining and minerals

Faculty in our Department of Chemical and Biological Engineering are engaged in research in four major themes: biotechnology and



bioprocessing, energy and renewable resources, environment and mineral processing and materials.

In our Department of Civil, Geological and Environmental Engineering research areas include bioremediation, geoenvironmental engineering, water quality and advanced water and wastewater treatment.

University of Saskatchewan College of Pharmacy and Nutrition

The College of Pharmacy and Nutrition has a proud, long-standing tradition of research and practice innovation addressing the challenges of drug therapy and human nutrition.

University of Saskatchewan - College of Pharmacy and Nutrition

104 Clinic Place, Saskatoon, SK S7N 2Z4

(306) 966-6327 • pn_research@usask.ca • <http://pharmacy-nutrition.usask.ca>



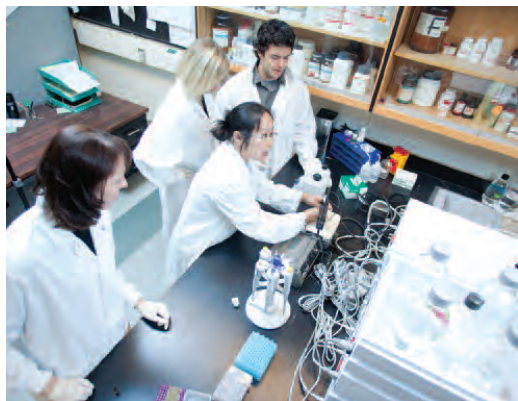
UNIVERSITY OF SASKATCHEWAN

College of Pharmacy and Nutrition

USASK.CA/PHARMACY-NUTRITION

The College of Pharmacy and Nutrition has two dynamic and challenging disciplines together in one college, which is unique in Canada and provides excellent opportunities for collaborations in research, teaching, service, and outreach.

The college espouses a vibrant and productive research culture. Our research programs advance the disciplinary and professional fields of Pharmacy and Nutrition through research that is innovative and socially relevant. Our researchers work in the fields of drug discovery and development, food security and global health, neurosciences, and health services delivery. Highly collaborative, Pharmacy and Nutrition researchers work across the boundaries of health science and with knowledge users to address complex health problems requiring interdisciplinary research.



University of Saskatchewan Global Institute for Water Security

The Global Institute for Water Security (GIWS) at the University of Saskatchewan (USask) is the top water resources research institute in Canada and one of the most advanced hydrology research centres in the world.

GIWS is dedicated to helping protect our precious freshwater resources needed for the world's growing demand for sustainable food production, mitigating the risk of water-related disasters such as floods, droughts, and fires, predicting and forecasting extremes of global change through the use of advanced remote sensing and modelling techniques, and co-western science to empower Indigenous communities in protecting water health.

**Global Institute for Water Security University of Saskatchewan
National Hydrology Research Centre**
11 Innovation Boulevard, Saskatoon, SK S7N 3H5
(306) 966-8014 • water.security@usask.ca • www.water.usask.ca



Global Institute for Water Security

USASK

GIWS is led by Executive Director Dr. Jay Famiglietti, Canada 150 Research Chair in Hydrology and Remote Sensing and Professor at USask's School of Environment and Sustainability and the Department of Geography and Planning. Before moving to Saskatchewan in July 2018, Famiglietti served as the Senior Water Scientist at NASA's Jet Propulsion Laboratory, and he was a faculty member at the University of California, Irvine, and at the University of Texas at Austin.

GIWS is co-located with Environment and Climate Change Canada's National Hydrology Research Centre at Innovation Place in Saskatoon. GIWS also leads the largest freshwater research program in the world, the pan-Canadian Global Water Futures Program, that includes partners from the University of Waterloo, McMaster University, and Wilfrid Laurier University.

GIWS was funded initially through the Canada Excellence Research Chair in Water Security (CERC), a \$30-million, joint federal-provincial-university commitment



between 2011 and 2018, led by Founding Director Dr. Howard Wheater, one of the world's foremost hydrologists.

GIWS builds upon a proud history of water research at USask by combining expertise in natural sciences, engineering, and the social sciences. GIWS faculty and scientists work with students and postdoctoral fellows on interdisciplinary teams to understand how climate change, land management practices, and the development of natural resources are affecting our water environment, and to develop the improved modelling tools needed to sustainably manage water for generations to come.

Vaccine and Infectious Disease Organization - International Vaccine Centre

Vaccine and Infectious Disease Organization-International Vaccine Centre (VIDO-InterVac) at the University of Saskatchewan is internationally recognized for human and animal infectious disease research and vaccine development. The containment level 2 and 3 capacity is used to complete all stages of vaccine development including preclinical trials for human vaccines and full regulatory trials for animal vaccines. To-date, VIDO-InterVac technologies have formed the basis of eight commercially available vaccines, including six world firsts.

The Vaccine and Infectious Disease Organization – International Vaccine Centre (VIDO-InterVac) 120 Veterinary Road, Saskatoon, SK S7N 5E3
(306) 966-7465 • info@vido.org • www.vido.org



VIDO-InterVac is one of the largest and most advanced infectious disease research and vaccine development facilities in the world. This national facility includes a 160-acre containment level 2 research station, 100,000 square feet of containment level 2 labs and animal housing and 150,000 square feet of containment level 3 labs and animal housing, including select agent and aerobiology capacity. The establishment of a pilot-scale GMP vaccine manufacturing facility will help drive

vaccine innovations forward in the commercial development pathway. VIDO-InterVac's research is primarily focused on infectious disease pathogenesis and vaccine development including coronaviruses (COVID-19, MERS, porcine epidemic diarrhea), influenza, tuberculosis, African swine fever, Johne's disease and Salmonella. The organization has the capacity for vaccine and anti-infective research and development using all species.



VeriGrain Sampling Inc.

VeriGrain™ is an automated grain sampling system that obtains accurate, representative samples and creates a digital record in real-time. This significantly enhances grain quality and quantity data availability and management. This results in a substantial improvement in grain utilization and value, as well as reduced spoilage. Food safety, traceability, and sustainability measurement are also greatly enhanced.

VeriGrain Sampling Inc.

402 - 15 Innovation Boulevard, Saskatoon, SK S7N 2X8
(306) 717-6414 • kjackson@verigrain.com • www.verigrain.com



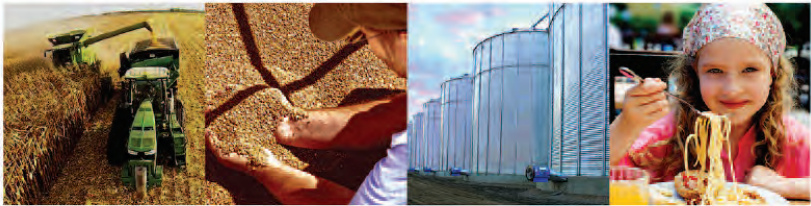
VeriGrain fills a crucial and substantial digital information gap in the food chain which allows grains to be optimally utilized. This results in positive economic benefits for everyone, from the producer to the consumer.

VeriGrain replaces the inaccurate, manual sampling process with an automated microprocessor-controlled sampling system which acquires highly accurate, representative samples as grain is loaded into storage, or out for transport. A digital record of the grain sample

is created to which characteristics can be added. The secure cloud-based record can be easily accessed by the producer and shared with buyers, blockchains and banks.

Moisture and temperature are monitored in real-time which allows grain delivery moisture and weight to be optimized and spoilage related degradation to be avoided. The digital record starts at the point of production which allows traceability and enhanced sustainability measurement.

Automated Sampling & Data Management



Accurate . Digital . Trusted

Western Canada Testing Inc.

WESTEST is an ISO 9001:2015 registered engineering and technical development organization offering services for testing, validation and optimization of mechanical equipment.

Beyond conducting tests, we provide a broad range of value-added services from product concept development, design, prototype fabrication and testing for agriculture and other industries.

Western Canada Testing Inc. (WESTEST)
Box 1150, 2215 - 8th Avenue, Humboldt, SK S0K 2A0
(306) 682-2442 • westest@westest.ca • www.westest.ca



WESTEST was created in 1991 to provide manufacturers with a facility to test and validate their machinery and machinery components in Western Canada.

Our many years of testing experience provide practical knowledge that goes beyond engineering theory to the essentials of how machines perform or fail in the real world. This knowledge helps us to bring value to our clients from bench, to pilot, to full production scale. This leads to cost-effective, durable solutions that save our clients time and money.

Our expertise in diverse areas like the physical forces of vibration, thermal energy build-up, dust accumulation and other machinery conditions allows us to support the robust application of engineering in a broad range of production facilities, equipment choices and processes.

Our team is made up of experienced professional engineers,



technologists, technicians and fabricators. We are proud of the innovation we bring to developing unique and credible testing protocols in situations where no established procedures exist. If tests identify component weaknesses or failures, our broad experience provides the knowledge to effectively modify design specifications to meet optimum performance requirements. We offer a wide range of services from consulting, feasibility studies, design audits, prototype development and modifications to current machinery.

Western College of Veterinary Medicine

WCVM is the premier centre of veterinary education, research and expertise in Western Canada and part of Canada's veterinary, public health and food safety networks. Our internationally-recognized veterinary college includes a veterinary medical centre, provincial diagnostic laboratory and large-scale research facilities.

University of Saskatchewan - Western College of Veterinary Medicine
52 Campus Drive, Saskatoon, SK S7N 5B4
(306) 966-7447 • wcvn.supportus@usask.ca • www.wcvm.usask.ca



UNIVERSITY OF SASKATCHEWAN

Western College of Veterinary Medicine

USASK.CA/WCVM

The Western College of Veterinary Medicine is a leader in bringing the concept of One Health — one of the university's signature research areas — to life across Canada. One Health's goal is to improve animal, human and environmental health through collaboration among all health sciences. By working together, health professionals can develop strategies for managing serious issues such as food- and water-borne diseases, environmental changes and emerging zoonotic diseases.

In the past decades, WCVM faculty and students have built strong collaborations with both animal health and human medicine research teams on the USask campus, across the country and around the world. While these research relationships have strengthened the WCVM's contributions to veterinary medicine, they have also helped to establish the veterinary college as a valuable partner in comparative medicine studies and translational research investigations.



The veterinary college's exceptional mix of basic and clinical scientists, its newly upgraded facilities and technological resources, and its thriving graduate program all combine to make this institution an effective force in the research world with great potential to expand its efforts in bridging animal and human health.

Western Economic Diversification Canada

Western Economic Diversification Canada (WD) is a federal department working to diversify the western economy while improving the quality of life of Western Canadians.

WD's goal is to be a leader in building a strong, competitive West by focusing on business development, innovation and community development.

Western Economic Diversification Canada

P.O. Box 2025, 115 - 101 22nd Street East, Saskatoon, SK S7K 3S7

(306) 975-4373 • Toll Free: 1-888-338-WEST (9378)

info.sask@wd-deo.gc.ca • WD.contactus-contactez-nous.DE0@canada.ca

www.wd-deo.gc.ca



Western Economic
Diversification Canada

Diversification de l'économie
de l'Ouest Canada

Canada

This federal government department partners with provincial governments, municipalities, universities, local businesses and community organizations to encourage economic growth and innovation in Canada's four western provinces: Saskatchewan, Manitoba, Alberta and British Columbia.

WD supports programs that respond to Western Canada's economic development needs and priorities. For example, **Regional Economic Growth through Innovation (REGI)** is a national program delivered in the West by WD to fuel economic growth through innovation and create more well-paying jobs for Canadians.

REGI includes several programming streams, like the **Regional Innovation Ecosystems (RIE)** stream to create, grow and nurture

inclusive regional ecosystems that support business needs throughout the innovation continuum, and foster an entrepreneurial environment conducive to innovation, growth and competitiveness.

Additionally, the **Business Scale-up and Productivity (BSP)** stream helps businesses at various stages of development, including high-growth firms, to accelerate their growth and assist them in scaling up, and enhance their productivity and competitiveness in both domestic and global markets.

WD also continues to support businesses and communities through existing programming to foster economic development opportunities and diversification in Western Canada.

For more information on WD's programs, please refer to: www.wd-deo.gc.ca

Western Grains Research Foundation

The Western Grains Research Foundation (WGRF) is a farmer-funded and farmer-directed non-profit organization investing in agricultural research that benefits Western Canadian farmers.

Western Grains Research Foundation is the largest producer funder of field crop research in Canada. Since 1981, WGRF has funded over \$196 M of research in field crops of interest to Western Canadian farmers.

Western Grains Research Foundation 306 - 111 Research Drive, Saskatoon, SK S3N 3R2
(306) 975-0060 • info@westerngrains.com • www.westerngrains.com



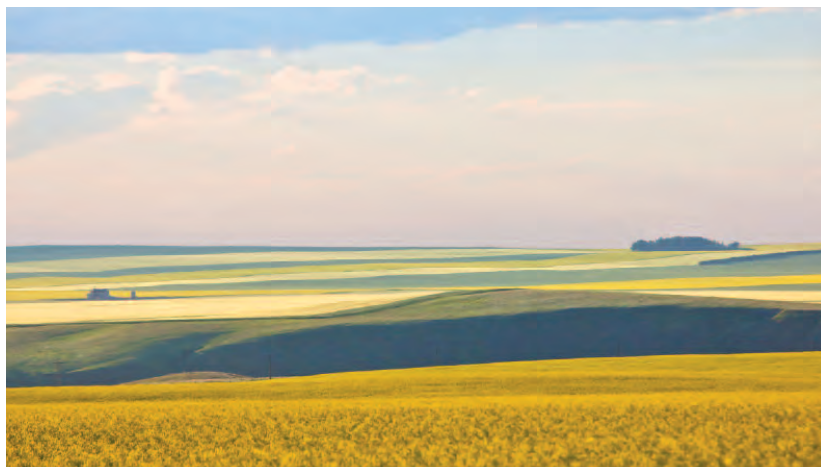
Vision: Profitable and sustainable Western Canadian grain farmers

Mission: Producers directing investment in crop research to benefit Western Canadian grain farmers

Leaders from 12 farm organizations came together to create Western Grains Research Foundation (WGRF) in 1981. Their vision was to establish a robust agricultural research funding organization, one that would consult farmers about

what they needed, then work with research providers to fill that need. Today, our Board is made up of 18 producers who carry forth that mandate.

WGRF invests over \$13 million annually into variety development and field crop research. Throughout the years, more than 130 farmers have served on the WGRF Board. Their voices ensure that projects that show the most potential to benefit Western Canadian producers are funded.



ZYUS Life Sciences

At ZYUS, we are forging a new industry of phyto-therapeutics by elevating cannabinoids as a standard of care and expanding the potential of protein-based formulations for transformational impact on patients' lives.

ZYUS Life Sciences Inc. 204 - 407 Downey Road, Saskatoon, SK S7N 4L8
1-888-651-9987 • info@zyus.com • www.zyus.com



ZYUS is a Canadian-based life sciences company focused on the global development and commercialization of phyto-therapeutics, commonly known as plant-based medicine. We intend to deliver high-quality, standardized and GMP-compliant therapeutic formulations to the global medical market to get much-needed relief into the hands of patients.

Our aim is to shift the paradigm from the treatment of physical disease to caring for overall well-being, by harnessing the power of cannabinoids to re-image the potential of plant-based medicine to help improve quality of life. Through medical research and clinical trials, we use science as a driver to establish phyto-therapeutics as a standard of care for treating, and managing the experience of, disease.

ZYUS was founded by Brent Zettl, the former President and CEO of CanniMed Therapeutics Inc. and other senior members of his management team. Brent and his



team were the first and exclusive supplier of medical cannabis to Health Canada from 2000 to 2014. With decades of experience pioneering the medical cannabis industry, ZYUS has set a vision to elevate cannabinoids as a standard of care and expand the potential of protein-based formulations in pursuit of a transformational impact on patients' lives.

ZYUS: Advancing the Science of Well-Being.

Northern Nutraceuticals Inc.

Based in Spalding SK, and equipped with a state-of-the-art processing facility, we pride ourselves on being a small family of employees committed to supplying and shipping large volumes of both conventional and organic products.

Northern Nutraceuticals Inc. P.O. Box 40 • 420 - 4th Avenue, Spalding, SK S0K 4C0
(306) 872-4820 • sales@northernnutra.ca • www.northernnutra.ca



We facilitate procuring, processing, and marketing of flax seed, hemp seed, borage, and camelina. Our operations and staff enable us to meet the growing market demands worldwide by adapting to diversification and emerging to suit those needs.

Over the past few years, we have continued to expand our facility allowing us to increase our product line. We hold strong to our core operation of processing these oilseeds and loading and shipping them by

means of, bulk inter-modal, bagged in totes or even as small as 350-gram pouches (with our logo or yours)! That's right, we offer private labelling and co-packing/ contract manufacturing too.

Northern Nutra Inc. is devoted to cultivating relationships with all our customers, both growers and end-users, through transparency and communication. We not only listen but also strive to treat everyone the way we would want to be treated.





www.agwest.sk.ca