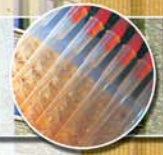




# Science and Innovation



## Saskatoon Research Centre

### Saskatoon, Saskatchewan

The Saskatoon Research Centre (SRC) is one of Agriculture and Agri-Food Canada's network of 19 research centres. The Centre, located in the heart of the Prairie Region in Saskatoon, Saskatchewan, conducts research on Prairie crops to support the agri-food industry in western Canada. In addition, it is a major location for research and development in agricultural biotechnology. The Centre is also home to the Plant Gene Resources of Canada and the Canadian Animal Genetic Resources Program, which have national mandates to protect and conserve Canada's national germplasm collections.

The SRC has a principal location on the campus of the University of Saskatchewan and also operates research farms at Scott and Melfort, Saskatchewan. The Melfort Research Farm develops sustainable crop production systems for the black and grey soil zones of the northern prairies. The Scott Research Farm focuses on developing environmental and economic sustainability systems for oilseeds, cereals, pulses and forage crops.

### Areas of Research

The SRC conducts major research and development in agricultural biotechnology, value-added crop processing, crop breeding and ecological crop protection, and the control of insect and weed pests in major crops. SRC's research activities and investments are planned and developed so new discoveries and knowledge can form the basis for sector innovation.

#### **Crop Production and Integrated Management Practices for the Canadian Prairies**

- Studying land resources, such as soil fertility, and reducing the impact of herbicides on the environment
- Conserving, documenting and distributing plant and animal germplasm
- Managing weeds, insects and plant diseases through innovative technologies
- Achieving sustainable production for the Canadian Prairies through better cropping practices

#### **Developing and Transferring New Technologies**

- Improving oilseed and forage crops by developing new germplasm
- Discovering new processes and products to expand the use of crops grown on the Prairies
- Encouraging a greater use of Brassica oilseeds as industrial crops through appropriate technology transfer
- Improving Brassica oilseeds by increasing tolerance to cold, drought and salt stress, and increasing resistance to diseases and pests

## Facts, Figures and Facilities

- 52 scientists and a total staff of more than 350
- Located on the campus of the University of Saskatchewan, in the city of Saskatoon, Saskatchewan
- Research farms at Scott (340 hectares) and Melfort (370 hectares) with an additional field site at Saskatoon (265 hectares)
- Location for the Plant Gene Resources of Canada and the Canadian Animal Genetic Resources Program repositories of plant and animal genetic materials
  - 110,000 specimens including the world base collections of barley and oat
- Plant herbarium and insect reference collection

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Aussi offert en français sous le titre : *Centre de recherches de Saskatoon*  
© Her Majesty the Queen in Right of Canada, 2007  
Cat. No. A00-00/0-2007E  
ISBN 000-0-000-00000-0  
AAFC No. 10323E

