

〈デュアルディグリープログラム用 Dual Ph.D. Program〉

サスカチュワン大学農業生物資源学部植物科学教員一覧

List of Professors at Plant Sciences, College of Agriculture and Bioresources, University of Saskatchewan

詳細は下記サスカチュワン大学ウェブページにて確認すること。

Please refer to the following website for more details.

<http://agbio.usask.ca/find-people/plant-sciences/index.php>

Yuguang Bai (Professor and Dept. Head)
Research: Grassland and forest ecology, seed and seedbed ecology, reclamation.
Sabine Banniza (Professor)
Research: My research is focused on the area of pulse crop pathology with particular emphasis on problems in Saskatchewan. The overarching theme of my research program is to study the biology of fungal and bacterial pathogens and their interaction with host plants. The ultimate goal of my research is to gain a better understanding of strategies employed by these pathogens to successfully invade and colonize pulse crops, and to exploit this knowledge for the purpose of developing successful breeding and disease management strategies. In order to achieve this goal, my research program follows a hierarchical approach, covering aspects from the field level down to the microscopic and molecular level.
Aaron Beattie (Assistant Professor)
Research: Barley and Oat Breeding
Kirstin E. Bett (Professor)
Research: Pulse crop genomics and dry bean breeding.
Bill Biligetu (Assistant Professor)
Research: perennial forage breeding and genetics
Helen Booker (Associate Professor)
Research: The main goals of the flax breeding and genetics program are to increase the area of adaptation where flax can be grown successfully in Canada and provide better genetics for improved agronomic performance and seed quality for the industrial, human health, and animal nutrition markets. To inform the breeding of flax, my research program centres around understanding the genetics of traits of economic importance in flax. Specifically, I aim to identify crop characteristics associated with improved agronomic performance and germplasm with novel traits and to explore various breeding methods and genetic tools, such as molecular markers to facilitate the transfer of new traits into new cultivars and breeding lines.
R. H. (Bob) Bors (Assistant Professor)
Research: Breeding fruit crops adapting them for northern conditions and mechanical harvesting.
Rosalind A. Bueckert (Professor)
Research: Crop growth and yield response to environmental factors. Yield formation processes in field crops.
Ravindra (Ravi) N. Chibbar (Professor and Canada Research Chair in Crop Quality)
Research: Biochemical and molecular characterization of the genetic determinants of grain quality in cereal and pulse crops. Application of structural and functional genomics strategies for grain quality improvement.
Bruce E. Coulman (Professor)
Research: Breeding, genetics and management of perennial forage crops.
D. Brian Fowler (Professor)
Research: Conservation production systems and production, management, genetics and breeding of winter wheat and rye.
Gordon R. Gray (Professor)
Research: The metabolic regulation/interaction of photosynthetic and respiratory processes in response to abiotic stresses (low temperature and high-light) are examined. Approaches combining biochemical, physiological and molecular genetic techniques are utilized in the model plant Arabidopsis with the goal of enhancing plant stress tolerance.
Pierre J. Hucl (Professor)
Research: Genetics and breeding of bread wheat for the short-season areas of Western Canada. Evaluation of alternative wheats and annual canarygrass.
H. Randy Kutcher (Associate Professor)

<p>Research: Integrated pest management program applied to plant diseases of cereals (wheat, barley, oats), canaryseed and flax. Focus of the program is to integrate varietal resistance, fungicides and agronomic strategies to control stripe rust, fusarium head blight and leaf spot diseases of cereals, leaf mottle of canaryseed and fusarium wilt of flax.</p>
<p>Eric Lamb (Associate Professor)</p>
<p>Research: Mechanisms structuring plant community diversity and composition Plant-soil interactions Plant competition Methods for summarizing and analyzing complex ecological data</p>
<p>Curtis J. Pozniak (Professor)</p>
<p>Research: Genetics, breeding, production and management of durum and high yielding wheat.</p>
<p>Martin Reaney (Professor)</p>
<p>Research: Biofuels, Crop utilization retired</p>
<p>Steve J. Shirtliffe (Professor)</p>
<p>Research: Field crop agronomy, weed ecology</p>
<p>Karen K. Tanino (Professor)</p>
<p>Research: My specialization is plant and cell abiotic stress physiology, and the interactions of plants with the environment. My research interests include the influence of frost and chilling on annual crops, increasing seed germination synchrony and rates, plant epigenetics, influence of temperature on vegetative bud dormancy and cold hardiness in woody plants; acclimation and cold stress responses on a single cell level using FTIR-synchrotron technology; salt and drought stress resistance in potato; Northern vigour (latitudinal) responses in horticulture crops.</p>
<p>Bunyamin Tar'an (Associate Professor)</p>
<p>Research: Breeding, genetics and management of chickpea</p>
<p>Albert (Bert) Vandenberg (Professor and NSERC Industrial Research Chair)</p>
<p>Research: Genetics, breeding, production and management of dry bean, lentil, fababean and special crops.</p>
<p>Tom D. Warkentin (Professor)</p>
<p>Research: breeding and genetics of pulse crops, particularly field pea with emphasis on improvements in grain yield, plant architecture, disease resistance and seed quality.</p>
<p>Doug R. Waterer (Associate Professor)</p>
<p>Research: My area of specialization is the agronomy of horticultural/medicinal crops. My research interests include: crop improvement through standard breeding and molecular techniques, micro-climate modification, integrated pest management and various other aspects of the agronomy of potatoes, vegetable crops, spice crops and medicinal plants.</p>
<p>Christian (Chris) Willenborg (Assistant Professor)</p>
<p>Research: The overarching goal of my research program is to optimize weed management in agricultural systems. To achieve this, our research aims both to improve our understanding of the basic biological and ecological principles that govern weed population dynamics and to develop highly efficacious weed control technologies. To accomplish this, we conduct both basic and applied research in the following areas: Efficacy of herbicides in field crops Herbicide recommendations for weed control Integrated weed management Biological and ecological constraints on weed population and community dynamics Crop-weed interactions; plant interactions</p>