

# CONTENTS

## **Review and symposia articles/Articles de revue**

- Recent population changes of *Fusarium* head blight pathogens: drivers and implications  
E. Valverde-Bogantes, A. Bianchini, J. R. Herr, D. J. Rose, S. N. Wegulo and H. E. Hallen-Adams 315

## **Disease control/Moyens de lutte**

- Formulation of mint and thyme essential oils with Arabic gum and Tween to enhance their efficiency in the control of postharvest rots of peach fruit  
S. A. M. Alamri, M. Hashem, M. S. A. Alqahtani, A. M. A. Alshehri, Z. A. Mohamed and E. S. H. Ziedan 330
- Yield responses in spring wheat and barley cultivars, varying in stripe rust resistance in central Alberta  
K. Kumar, K. Xi, T. K. Turkington, M. Aljarrah and F. Capettini 344
- Improving fungicide-based management of *Cercospora* leaf spot in table beet in New York, USA  
S. J. Pethybridge, S. Sharma, Z. R. Hansen, N. Vaghefi, L. E. Hanson and J. R. Kikkert 353

## **Disease reports and disease diagnostics/Rapports des maladies**

- Pathogens of caraway and coriander blossoms in western Canada  
C. Armstrong-Cho and S. Banniza 367

## **Forest diseases/Pathologie forestière**

- Response of planted and natural Douglas fir tree roots infected with *Armillaria* root disease: lesion type, time-to-callus, infection timing, and influence of site and environmental factors on lesion formation  
M. Cruickshank 377

## **Genetics and resistance/Génétique et résistance**

- Characterization and mapping of stem rust resistance in McNair 701 winter wheat  
J. Saini Sharma, T. Fetch and C. W. Hiebert 390

## **Population biology/Biologie des populations**

- Analysis of physiological races and genetic diversity of *Setosphaeria turcica* (Luttr.) K.J. Leonard & Suggs from different regions of China  
Z. Ma, B. Liu, S. He and Z. Gao 396

## **Soilborne diseases/Maladies telluriques**

- Effect of co-inoculations with *Pythium* and *Fusarium* species on seedling disease development of soybean  
E. R. Lerch-Olson and A. E. Robertson 408
- Optimization of zoospore production and inoculum concentration of *Aphanomyces euteiches* for resistance screening of pea and lentil  
N. T. Sivachandra Kumar, L. Cox, C. Armstrong-Cho and S. Banniza 419
- Occurrence of vermiform plant-parasitic nematodes in North Dakota corn fields and impact of environmental and soil factors  
I. A. Chowdhury, G. Yan and A. Friskop 429

*(continued from back cover)*

**Abstracts/Résumés**

Alberta Regional Meeting, 2019 / Réunion régionale de l'Alberta, 2019	445
Atlantic regional meeting, 2019/Réunion régionale de l'Atlantique, 2019	453
British Columbia regional meeting, 2019 / Réunion régionale de la Colombie-Britannique, 2019	458
Southwestern Ontario regional meeting, 2019/Réunion régionale sud-ouest de l'Ontario, 2019	465