

Grain

Nitrogen allocation in barley: Relationships between amino acid transport and storage protein synthesis during grain filling

K. Egle, H. Beschow, and W. Merbach 451–459

Forage

Influence de la salinité en plein champ sur la teneur en phytoestrogènes et la germination d'écotypes marocains de *Trifolium*

K. Bennani et N. Bendaou 461–466

Molecular Biology

Insight into flower diversity in *Solanum lycopersicum* and *Solanum chilense* using comparative biological approaches

M.-F. Gao, H.-Z. Peng, S.-S. Li, X.-L. Wang, L. Gao, M.-H. Wang, P.-F. Zhao, and L.-X. Zhao 467–478

Fruit

Cloudberry cultivation in cutover peatland: Improved growth on less decomposed peat

J. Bussi eres, L. Rochefort, and L. Lapointe 479–489

LT₂₅, LT₅₀, and LT₇₅ floral bud cold hardiness determinations for a diverse selection of *Vaccinium* genotypes

M. K. Ehlenfeldt, L. J. Rowland, E. L. Ogden, and B. T. Vinyard 491–494

Vegetable

Freezing tolerance assessment for seedlings of three asparagus cultivars grown under controlled conditions

J. Kim and D. J. Wolyn 495–504

Entomology

Willows (*Salix* spp.) as pollen and nectar sources for sustaining fruit and berry pollinating insects

D. P. Ostaff, A. Mosseler, R. C. Johns, S. Javorek, J. Klymko, and J. S. Ascher 505–516

Plant Pathology

Timing of inoculation and *Fusarium* species affect the severity of *Fusarium* head blight on oat

A. G. Xue, Y. Chen, G. Marchand, W. Guo, C. Ren, M. Savard, and A. R. B. McElroy 517–524

The impact of fungicide and herbicide timing on foliar disease severity, and barley productivity and quality

T. K. Turkington, J. T. O'Donovan, K. N. Harker, K. Xi, R. E. Blackshaw, E. N. Johnson, G. Peng, H. R. Kutcher, W. E. May, G. P. Lafond, R. M. Mohr, R. B. Irvine, and C. Stevenson 525–537

Weed Science

Emergence and seed production of woolly cupgrass (*Eriochloa villosa*) in legume forage crops

M.-J. Simard, R. E. Nurse, and S. J. Darbyshire 539–548

Pre- and post-vernalization ramet removal reduces flowering of red sorrel (*Rumex acetosella* L.) in wild blueberry (*Vaccinium angustifolium* Ait.)

S. N. White, N. S. Boyd, R. C. Van Acker, and C. J. Swanton 549–556

The Biology of Canadian Weeds. 154. Himalayan blackberry

R. Gaire, C. Astley, M. K. Upadhyaya, D. R. Clements, and M. Bargaen 557–570

Other

Effect of prohexadione calcium on vegetative growth, seed maturity and seed yield of the Kabuli chickpea cultivar CDC Frontier

P. Lokuruge, B. Tar'an, T. Harms, R. Howard, and M. Bandara 571–578

Yield and profitability of fallow and fertilizer inputs in long-term wheat rotation plots at Lethbridge, Alberta

E. G. Smith, H. H. Janzen, and R. Kr obel 579–587

Cultivar Descriptions

AAC Current durum wheat

A. K. Singh, J. M. Clarke, R. M. DePauw, R. E. Knox, T. N. McCaig, and R. D. Cuthbert 589–594

AAC Starbuck hullless barley

T. M. Choo, S. M. ter Beek, R. A. Martin, D. MacDonald, P. Scott, Y. Dion, S. Rioux, D. Pageau, J. Fr egeau-Reid, and E.-S. M. Abdel-Aal 595–598

AAC Purpose barley

T. M. Choo, R. A. Martin, S. M. ter Beek, D. MacDonald, P. Scott, Y. Dion, S. Rioux, D. Pageau, and E.-S. M. Abdel-Aal 599–602

AAC Mountainview sainfoin (*Onobrychis viciifolia* subsp. *Viciifolia*)

S. N. Acharya 603–607

AAC Sylvia-Arlene rose for rosehip production

B. Fofana and K. Sanderson 609–613