

Dilip K. Biswas and Bao-Luo Ma

392–403

Effect of nitrogen rate and fertilizer nitrogen source on physiology, yield, grain quality, and nitrogen use efficiency in corn

Farhad Karami, Omidali Akbarpour, and Abdolhossein Rezaei Nejad

439–447

Estimation of genotypic correlation and heritability of apricot traits, using restricted maximum likelihood in repeated measures data

CORRIGENDUM

Samir C. Debnath

382–383

Corrigendum: Bioreactors and molecular analysis in berry crop micropropagation — A review

Cultivar Description

CULTIVAR DESCRIPTIONS

**Thin Meiw Choo, Allen G. Xue,
and Richard A. Martin**

367–370

AAC Vitality barley

**Lana M. Reid, Xiaoyang Zhu, Constantin Voloaca,
Jinhe Wu, Tsegaye Woldemariam,
and Krishan Jindal**

387–391

CO455 corn inbred line

**Dean Spaner, Muhammad Iqbal, Alireza Navabi,
Klaus Strenzke, Brian L Beres**

517–524

Parata hard red spring wheat

**Fruit
ARTICLES**

- J. Li, D. Percival, J. Hoyle, J. White, K. Head,
and K. Pruski 329–338 Phenology and yield of native fruits cloudberry/bakeapple
(*Rubus chamaemorus* L.) and lingonberry/partridgeberry
(*Vaccinium vitis-idaea* L.) grown in Southern Labrador, Canada
- Pat Bowen, Krista C. Shellie, Lynn Mills,
Jim Willwerth, Carl Bogdanoff, and Markus Keller 347–359 Abscisic acid form, concentration, and application timing influence
phenology and bud cold hardiness in Merlot grapevines
- Ibrahim Bolat, Murat Dikilitas, Ali Ikinci,
Sezai ERCISLI, Tahsin Tonkaz 485–493 Morphological, Physiological, Biochemical characteristics and bud
success responses of Myrobolan 29 C plum rootstock subjected to
water stress

**Ornamental
ARTICLES**

- Aung Htay Naing, Su Min Jeon, Jun Seong Park,
Chang Kil Kim 503–510 Combined effects of supplementary light and CO₂ on rose growth
and the production of good quality cut flowers
- Iftikhar Ahmad, Muhammad Saleem, John M. Dole 511–516 Postharvest performance of cut 'White Prosperity' gladiolus spikes
in response to nano- and other silver sources

**Vegetable
ARTICLE**

- Vijay Bahadur, Vijay Yeshudas,
and Om Prakash Meena 371–381 Nature and magnitude of genetic variability and diversity analysis
of Indian turmeric accessions using agro-morphological descriptors

**Plant Pathology
ARTICLE**

- P. Lujan, S. Sanogo, N. Puppala, and J. Randall 461–473 Factors affecting mycelium pigmentation and pathogenicity of
Sclerotinia sclerotiorum on Valencia peanut

**Weed Science
ARTICLES**

- Michael E. Foley 321–328 Germination of leafy spurge (*Euphorbia esula* L.) seeds under
alternating temperatures: the effects of amplitude, midpoint, and
imbibition in gibberellic acid
- Robert E. Nurse, Kristen Obeid, and Eric R. Page 360–366 Optimal planting date, row width, and critical weed-free period for
grain amaranth and quinoa grown in Ontario, Canada
- Marie-Josée Simard and Camille Lambert-Beaudet 448–454 Weed seed survival in experimental mini-silos of corn and alfalfa
- Nader Soltani, Robert E. Nurse,
and Peter H. Sikkema 455–460 Biologically effective dose of glyphosate as influenced by weed
size in corn

SHORT COMMUNICATION

- Andrew J. Dillon, Paul Kron, Michael Walsh,
and Mithila Jugulam 384–386 Transfer of 2,4-D-resistance from *Raphanus raphanistrum* into
Brassica napus: production of F₁ hybrids through embryo rescue

**Other
ARTICLES**

- E.G. Smith, T.K. Turkington, J.T. O'Donovan,
M.J. Edney, P.E. Juskiw, R.H. McKenzie,
K.N. Harker, G.W. Clayton, K. Xi, W.E. May,
R.B. Irvine, S. Brandt, E.N. Johnson,
and S. Perkovic 339–346 Influence of production systems on return and risk from malting
barley production in western Canada

Grain

ARTICLE

**Shian Shen, Hongwei Hou, Chunbang Ding,
Deng-Jin Bing, and Zhen-Xiang Lu**

404–412

Protein content correlates with starch morphology, composition and physicochemical properties in field peas

Forage

ARTICLE

**Gilles Bélanger, Gaëtan F. Tremblay, Annick Bertrand,
Danielle Mongrain, Gaëtan Parent, Philippe Savoie,
Daniel Massé, Yan Gilbert, and Daniel Babineau**

413–422

Reed canarygrass crop biomass and silage as affected by harvest date and nitrogen fertilization

Molecular Biology

ARTICLES

**Xiaomao Cheng, Shu Xia, Xihua Zeng, Jianxun Gu,
Yuan Yang, Jinsong Xu, Chao Liu, Kede Liu,
and Jiangsheng Wu**

423–432

Identification of quantitative trait loci associated with oil content and development of near isogenic lines for stable *qOC-A10* in *Brassica napus* L.

**Haiyan Shi, Yujing Zhao, Xuemin An,
and Yuxing Zhang**

433–438

Molecular characterization of pear 14-3-3b gene regulated during fruit development

**Yan-Qing Wu, Da-Qiu Zhao, Chen-Xia Han, and Jun
Tao**

474–484

Biochemical and molecular responses of herbaceous peony to high temperature stress

**Hailin Liu, Wanxu Yang, Jing Hou, Nan Hu,
Tongming Yin, Shuxian Li**

494–502

Genetic identification of 43 elite clonal accessions of *Populus deltoides* by SSR fingerprinting