

REVIEW ARTICLES

Green roofs against pollution and climate change.

A review

Y. Li · R.W. Babcock Jr. 695

Impact of climate change on weeds in agriculture: a review

K. Peters · L. Breitsameter · B. Gerowitt 707

Pesticide risks from fruit and vegetable pest management by small farmers in sub-Saharan Africa.

A review

H. de Bon · J. Huat · L. Parrot · A. Sinzogan · T. Martin · E. Malézieux · J.-F. Vayssières 723

Plant-growth-promoting rhizobacteria to improve crop growth in saline soils: a review

D. Paul · H. Lade 737

Cashew, from seed to market: a review

B. Dendena · S. Corsi 753

RESEARCH ARTICLES

Spatial evidence of cross-crop pesticide contamination in small-holder Thai farms

R.A. Dunn · C.L. Anderson · M.F. Walter · W. Songskiri · C. Srimanee · P. Thunypapar · T.S. Steenhuis 773

Up to 92 % increase of cancer-preventing lunasin in organic spring barley

L. Legzdina · I. Nakurte · I. Kirhnere · J. Namniece · L. Krigere · K. Saleniece · I. Beinarovica · R. Muceniece 783

Up to 32 % yield increase with optimized spatial patterns of canola plant establishment in western Canada

C. Yang · Y. Gan · K.N. Harker · H.R. Kutcher · R. Gulden · B. Irvine · W.E. May 793

A 1915–2011 microscale record of soil organic matter under wheat cultivation using FTIR-PAS depth-profiling

C. Du · K.W. Goyne · R.J. Miles · J. Zhou 803

Increase of available soil silicon by Si-rich manure for sustainable rice production

Z. Song · H. Wang · P.J. Strong · S. Shan 813

Soil biosolarization for sustainable strawberry production

P. Domínguez · L. Miranda · C. Soria · B. de los Santos · M. Chamorro · F. Romero · O. Daugovish · J.M. López-Aranda · J.J. Medina 821

Microscale evidence for a high decrease of soil bacterial density and diversity by cropping

F. Constancias · N.C. Prévost-Bouré · S. Terrat · S. Aussems · V. Nowak · J.-P. Guillemin · A. Bonnotte · L. Biju-Duval · A. Navel · J.M. Martins · P.-A. Maron · L. Ranjard 831

First evidence for a major cover crop effect on arbuscular mycorrhizal fungi and organic maize growth

E.M. Njeru · L. Avio · C. Sbrana · A. Turrini · G. Bocci · P. Bàrberi · M. Giovannetti 841

Composted and formulated poultry litters promote soil nutrient availability but not plant uptake or edamame quality

R.M. Blair · M.C. Savin · P. Chen 849

Up to 52 % N fertilizer replaced by biofertilizer in lowland rice via farmer participatory research

M.T. Rose · T.L. Phuong · D.K. Nhan · P.T. Cong · N.T. Hien · I.R. Kennedy 857

Pre-chill with gibberellic acid overcomes seed dormancy of Jerusalem artichoke

R. Puttha · A.S. Goggi · M.L. Gleason · S. Jogloy · T. Kesmala · N. Vorasoot · P. Banterng · A. Patanothai 869

High performance of vegetables, flowers, and medicinal plants in a red-blue LED incubator for indoor plant production

M.R. Sabzalian · P. Heydarizadeh · M. Zahedi · A. Boroomand · M. Agharokh · M.R. Sahba · B. Schoefs 879

Carbon footprints and carbon stocks reveal climate-friendly coffee production

H. van Rikxoort · G. Schroth · P. Läderach · B. Rodríguez-Sánchez 887

Climate variability drives livestock farmers to modify their use of collective summer mountain pastures

C. Rigolot · S. Roturier · B. Dedieu · S. Ingrand 899

Novel participatory indicators of sustainability reveal weaknesses of maize cropping in Benin

R.N. Yegbemey · J.A. Yabi · C.S.G. Dossa · S. Bauer 909

Low nutritive quality of own-mixed chicken rations in Kampala City, Uganda

L. Kasule · C. Katongole · J. Nambi-Kasozi · R. Lumu · F. Bareeba · M. Presto · E. Ivarsson · J.E. Lindberg 921

Abstracted/Indexed in Science Citation Index Expanded (SciSearch), SCOPUS, Google Scholar, EBSCO, CSA, ProQuest, CAB International, Academic Search, Biological Abstracts, BIOSIS, CAB Abstracts, Current Abstracts, Current Contents/ Agriculture, Biology & Environmental Sciences, Geobase, Global Health, IBIDS, Journal Citation Reports/Science Edition, OCLC, PASCAL, SCImago, Summon by Serial Solutions.