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GRUPO VANCHRI

2025

INSTANT INSIGHTS 2025 CATALOGUE



GRUPO VANCHRI

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SOIL HEALTH



Organic soil amendments

NEW

Contents

1.Organic fertilizers and biofertilizers: *Lidia Sas Paszt, Research Institute of Horticulture, Poland;*
2.Assessing the effects of compost on soil health: *Cristina Lazcano, University of California-Davis, USA;*
3.Optimizing slurry management: *David Fangueiro, LEAF-Instituto Superior de Agronomia-ULisboa, Portugal;*
4.Optimizing livestock manure as a biofertilizer and bioenergy source: *V. Riau, Institute of Agrifood Research and Technology (IRTA), Spain*

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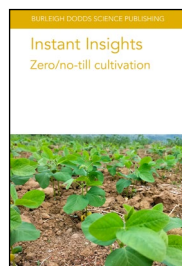
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Pages: 182

Pub. Date: January 2025

Price: £37.99/\$49.99/€45.99

Series No: 113



Zero/no-till cultivation

NEW

Contents

1.Assessing the effects of no-till cultivation practices on soil health: *Alison Hamm and Daniel K. Manter, USDA-ARS, USA;*
2.The role of no or minimum mechanical soil disturbance in Conservation Agriculture systems: *Theodor Friedrich, Food and Agriculture Organization of the United Nations (FAO), Italy;*
3.Soil management practices and benefits in Conservation Agriculture systems: *Michele Pisante, University of Teramo, Italy;*
4.The effects of zero/conservation tillage practices in preventing soil erosion: *Mike Kucera, USDA-ARS, USA*

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Pages: 104

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Price: £37.99/\$49.99/€45.99

Series No: 95



Regenerative techniques to improve soil health

NEW

Contents

1.Safe and sustainable use of bio-based fertilizers in agricultural production systems: *April Leytem, United States Department of Agriculture, USA;*
2.Assessing the effects of compost on soil health: *Cristina Lazcano, University of California-Davis, USA;*
3.Service crops as a source of nitrogen in temperate Europe: *Iris Vogeler, Aarhus University, Denmark and Christian-Albrechts University, Germany;*
4.The role of crop rotations in optimizing nitrogen use efficiency in organic farming: *Lucie Chmeliková, Technical University of Munich, Germany*

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SOIL HEALTH



Using manure in soil management

NEW

Contents

1.Manure management in organic farming: *Peter Sørensen, Department of Agroecology, Aarhus University, Denmark*; 2.Manure and compost management to maintain soil health: *Francis J. Larney, Agriculture and Agri-Food Canada, Canada*; 3.Assessing the effects of using animal manure on soil health: *Ashraf M. Tubeileh, California Polytechnic State University, USA*; 4.Sustainable nitrogen management for housed livestock, manure storage and manure processing: *Barbara Amon, Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB), Germany and University of Zielona Góra, Poland*; 5.Optimising livestock manure as a biofertiliser and bioenergy source: *V. Riau, Institute of Agrifood Research and Technology (IRTA), Spain*

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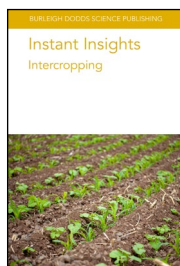
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Intercropping

Contents

1.Grain legume–cereal intercropping systems: *L. Bedoussac, ENSFEA, INRA AGIR, France*; 2.Intercropping in sustainable maize cultivation: *Abeya Temesgen, The University of Queensland, Australia*; 3.Effects of crop rotations and intercropping on soil health: *Gilbert C. Sigua, USDA-ARS, USA*; 4.Temperate alley cropping systems: *Diomy S. Zamora, University of Minnesota, USA*

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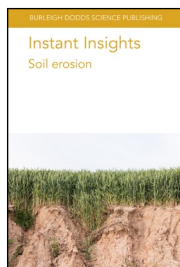
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Soil erosion

Contents

1.Mechanisms of soil erosion/degradation: *R. J. Rickson, Cranfield University, UK*; 2.The impact of heavy metal contamination on soil health: *Santanu Bakshi, Iowa State University, USA*; 3.Advances in techniques to assess soil erodibility: *R. J. Rickson, Cranfield University, UK*; 4.Rehabilitating degraded and abandoned agricultural lands with Conservation Agriculture systems: *Telmo Jorge Carneiro Amado, Federal University of Santa Maria, Brazil*

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Pages: 166

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Conservation tillage in agriculture

Contents

1.Conservation tillage in organic farming: *Maïke Krauss, Research Institute of Organic Agriculture (FiBL), Switzerland*; 2.The role of no or minimum mechanical soil disturbance in Conservation Agriculture systems: *Theodor Friedrich, Food and Agriculture Organization of the United Nations (FAO), Italy*; 3.Soil management practices and benefits in Conservation Agriculture systems: *Michele Pisante, University of Teramo, Italy*; 4.Zero-tillage cultivation of maize: *Wade E. Thomason, Virginia Tech University, USA*; 5.Conservation tillage for sustainable wheat intensification: the example of South Asia: *Vijesh Krishna, Georg-August University of Göttingen, Germany*

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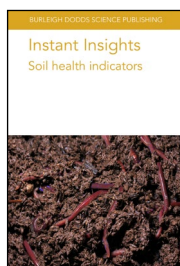
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Soil health indicators

Contents

1.Developing soil health indicators for improved soil management on farm: *Elizabeth Stockdale, NIAB, UK*; 2.Biological indicators of soil health in organic cultivation: *A. Fortuna, Washington State University, USA*; 3.Modelling soil organic matter dynamics as a soil health indicator: *Eleanor E. Campbell, University of New Hampshire, USA*; 4.Quantifying earthworm community structures as indicators of soil health: *Jacqueline L. Stroud, formerly Rothamsted Research, UK*

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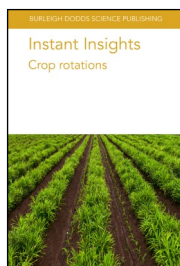
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Crop rotations

Contents

1.Effects of crop rotations and intercropping on soil health: *Gilbert C. Sigua, USDA-ARS, USA*; 2.The role of crop rotations in organic farming: *Bernhard Freyer, University of Natural Resources and Life Sciences (BOKU), Austria*; 3.Modeling crop rotations: capturing short- and long-term feedbacks for sustainability and soil health: *B. Basso, Michigan State University, USA*; 4.Developing decision-support systems for crop rotations: *Zia Mehrabi, University of British Columbia, Canada*; 5.The role of crop rotation, intercropping and tillage practices for foliar disease management of wheat and barley: *T. K. Turkington, Agriculture and Agri-Food Canada, Canada*

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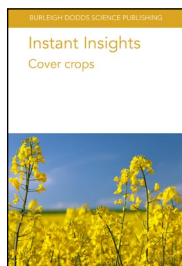
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Series No: 20

SOIL HEALTH



Cover crops

Contents

1. Use of cover crops to promote soil health: *Robert L. Myers, USDA – SARE and University of Missouri, USA*; 2. Cover crops in organic crop cultivation: *Peter Von Fragstein und Niernsdorff, Universität Kassel, Germany*; 3. The role and management of soil mulch and cover crops in Conservation Agriculture systems: *A. Calegari, Agricultural Research Institute of Paraná State (IAPAR), Brazil*; 4. The use of rotations and cover crops to manage weeds: *John R. Teasdale, ARS-USDA, USA*

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PROMOTING BIODIVERSITY



Understanding and conserving pollinators

NEW

Contents

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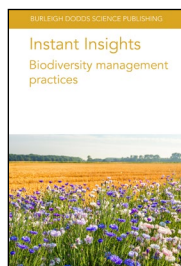
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Biodiversity management practices

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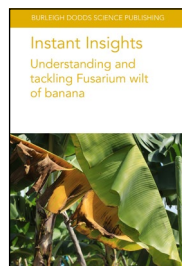
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CROP DISEASE MANAGEMENT



Understanding and tackling Fusarium wilt of banana

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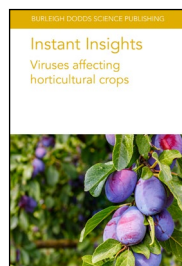
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Viruses affecting horticultural crops

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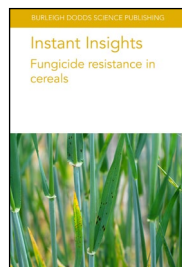
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Fungicide resistance in cereals

NEW

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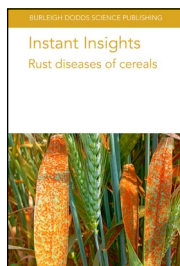
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CROP DISEASE MANAGEMENT



Rust diseases of cereals

Contents

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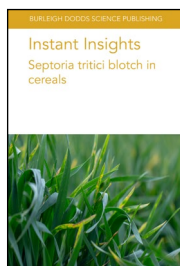
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Septoria tritici blotch in cereals

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Fungal diseases of apples

Contents

1. Pre- and postharvest fungal apple diseases: *Wayne M. Jurick II, USDA-ARS, USA*; 2. Epidemiology and management of apple scab: *Tom Passey, NIAB EMR, UK*; 3. Advances in pest- and disease-resistant apple varieties: *Markus Kellerhals, Agroscope, Switzerland*; 4. Optimizing disease management in fruit cultivation: *Sara M. Villani, North Carolina State University, USA*

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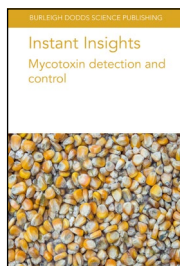
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Mycotoxin detection and control

Contents

1. Advances in post-harvest detection and control of fungal contamination of cereals: *Naresh Magan, Cranfield University, UK*; 2. Advances in postharvest storage and handling of barley: methods to prevent or reduce mycotoxin contamination: *Zhao Jin, North Dakota State University, USA*; 3. Preventing mycotoxin contamination in groundnut cultivation: *David Jordan, North Carolina State University, USA*; 4. Mycotoxins in cocoa: causes, detection and control: *Mary A. Egbuta, Southern Cross University, Australia*; 5. Reusing food waste: the importance of mycotoxin detection and decontamination: *F. Ascencio, Centro de Investigaciones Biológicas del Noroeste, Mexico*

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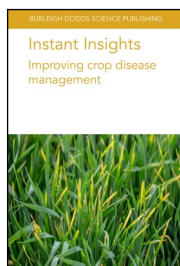
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Improving crop disease management

Contents

1. The role of crop rotation, intercropping and tillage practices for foliar disease management of wheat and barley: *T. K. Turkington, Agriculture and Agri-Food Canada, Canada*; 2. Integrated wheat disease management: *Stephen N. Wegulo, University of Nebraska-Lincoln, USA*; 3. Integrated disease management of barley: *Adrian C. Newton, James Hutton Institute and SRUC, UK*; 4. Diseases affecting grain legumes and their management: *Keith Thomas, University of Sunderland, UK*

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Series No: 38



Fusarium in cereals

Contents

1. *Fusarium* diseases: biology and management perspectives: *Edward C. Rojas, University of Copenhagen, Denmark*; 2. Fungal diseases affecting barley: *Robert S. Brueggeman, Washington State University, USA*; 3. Advances in control of wheat diseases: *Fusarium* head blight, wheat blast and powdery mildew: *Hermann Buerstmayr, University of Natural Resources and Life Sciences, Austria*; 4. Challenges and prospects for fungicidal control of wheat diseases: *R. J. Bryson, BASF SE, Germany*

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INSECT PEST MANAGEMENT



Novel biocontrol agents

NEW

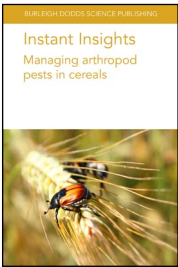
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1.Developing plant-based biocontrol agents: *Azucena Gonzalez Coloma, Instituto de Ciencias Agrarias – Consejo Superior de Investigaciones Cientificas (CSIC), Spain*; 2.Challenges in risk assessment of biopesticides for insect pests: *Shannon Borges, Office of Pesticide Programs – U.S. Environmental Protection Agency, USA*; 3.Advances in the use of entomopathogenic viruses as biopesticides in suppressing crop insect pests: *Martin Erlandson, Agriculture and Agri-Food Canada, Canada*; 4.Possible use of allelochemicals in integrated pest management (IPM): *Toby Bruce, Keele University, UK*; 5.The synergism of biocontrol and plant resistance: a path to advance IPM to higher levels of integration: *Marcos Kogan, Oregon State University, USA*

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Contents

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Series No: 86



Managing arthropod pests in tree fruit

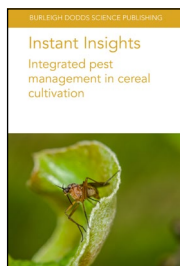
Contents

1.Insect pests of fruit: aphids: *Giuseppe E. Massimino Cocuzza, Università di Catania, Italy*; 2.Optimizing pest management in fruit cultivation: *Arthur Agnello, Cornell University, USA*; 3.Sustainable arthropod management for apples: *Elizabeth H. Beers, Washington State University, USA*; 4.Cultural control of arthropod pests in temperate tree fruit: *Matthew J. Grieshop, Michigan State University, USA*

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Integrated pest management in cereal cultivation

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1. Integrated pest management for sustainable rice cultivation: a holistic approach: *F. G. Horgan, University of Technology Sydney, Australia*; 2. Integrated pest management in wheat cultivation: *Abie Horrocks, The New Zealand Institute for Plant & Food Research Limited, New Zealand*; 3. Insect pests and their management in sorghum cultivation: *Bonnie B. Pendleton, West Texas A&M University, USA*; 4. Advances in breeding crops resistant to insect pests: rice as a paradigm: *E. A. Heinrichs, University of Nebraska-Lincoln, USA*

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Mite pests in agriculture

Contents

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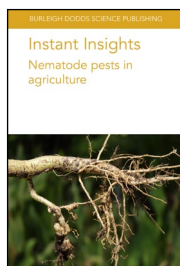
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Pages: 166

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Series No: 28



Nematode pests in agriculture

Contents

1. Integrated pest management (IPM) of nematodes: *Hendrika Fourie, North-West University, South; Africa*; 2. Advances in understanding plant root response to nematode attack: *Shahid Siddique, University of California-Davis, USA*; 3. Wheat pests: introduction, rodents and nematodes: *Marion O. Harris, North Dakota State University, USA*; 4. Nematodes associated with maize: *T. L. Niblack, The Ohio State University, USA*; 5. Nematode pests of potatoes: *Kim Davie, Science and Advice for Scottish Agriculture (SASA), UK*

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Pages: 190

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Series No: 24

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Climate change, insect pests and invasive species

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1. Understanding and mitigating the impact of climate change on insect pests and food security: *Kayode David Ilike, Federal University of Technology – Akure, Nigeria*; 2. The impact of climate change on wheat insect pests: current knowledge and future trends: *Sanford D. Eigenbrode, University of Idaho, USA*; 3. Advances in understanding the ecology of invasive crop insect pests and their impact on IPM: *Robert Venette, USDA Forest Service, USA*

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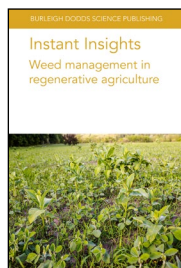
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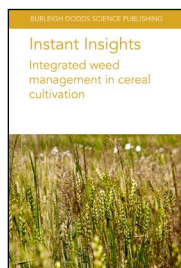
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Integrated weed management in cereal cultivation

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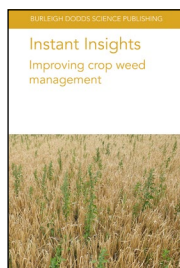
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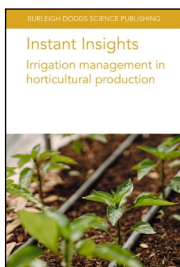
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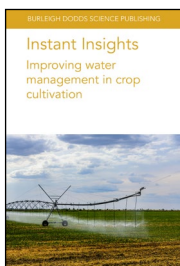
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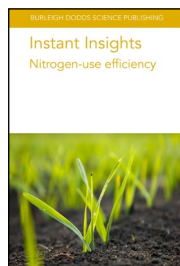
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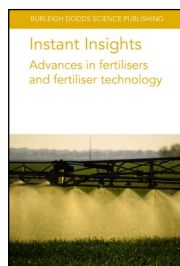
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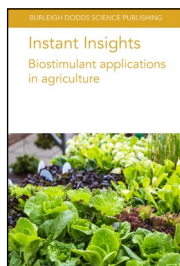
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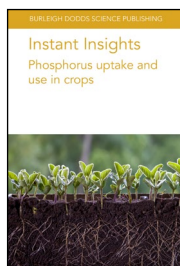
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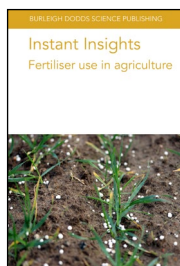
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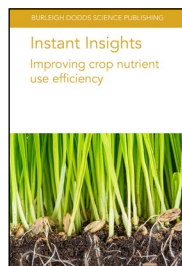
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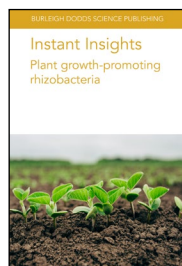
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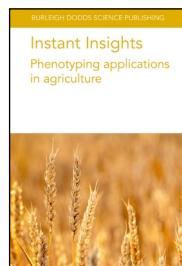
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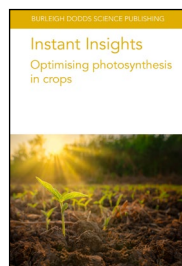
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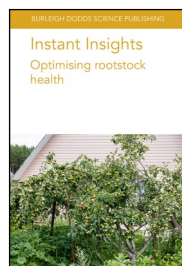
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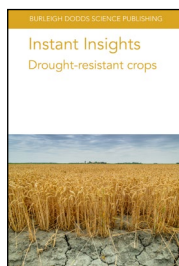
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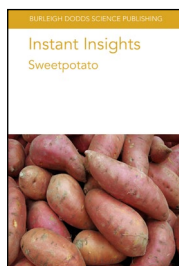
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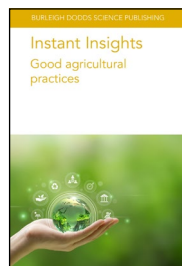
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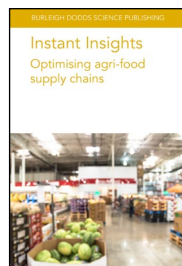
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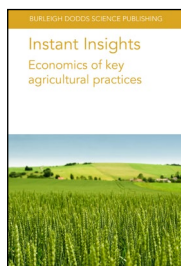
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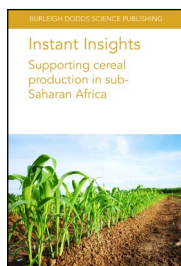
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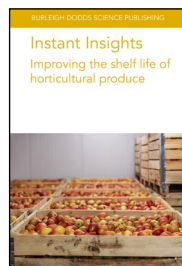
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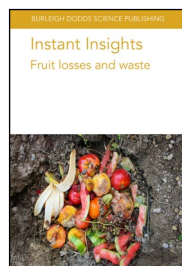
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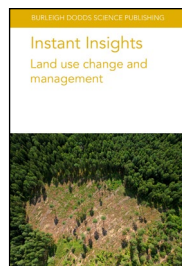
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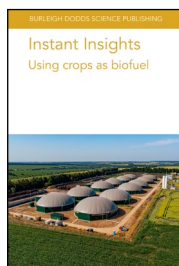
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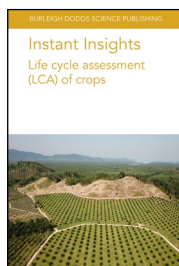
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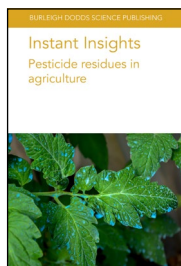
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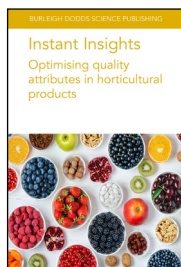
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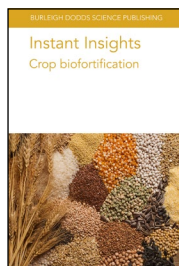
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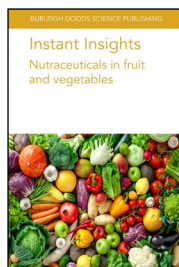
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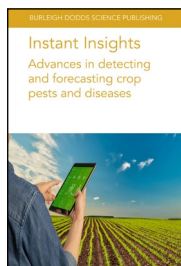
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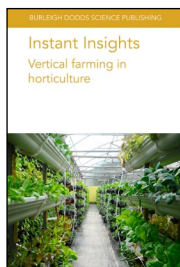
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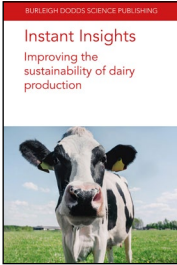
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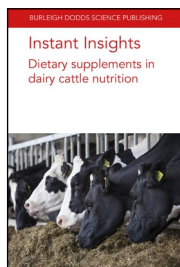


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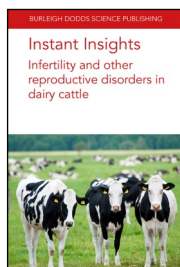
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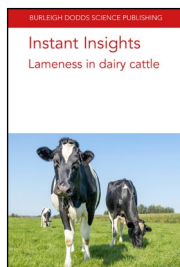
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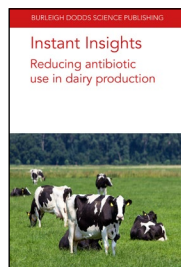
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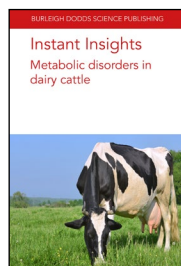
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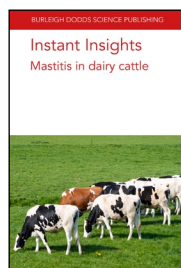
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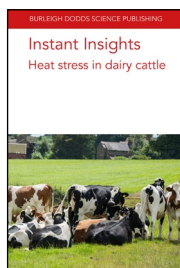
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NEW

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1. Factors affecting the reproductive efficiency of pigs: *Glen W. Almond, North Carolina State University, USA*; 2. Factors affecting the reproductive efficiency of boars: *M. L. W. J. Broekhuijsse, Topigs Norsvin Research Center B.V., The Netherlands*; 3. Advances in understanding the genetics of and breeding for improved fertility/reproductive performance in pigs: *Glen W. Almond, North Carolina State University, USA*; 4. Understanding ovarian function in pigs: *Aileen Keating, Iowa State University, USA*

Print ISBN: 978-1-80146-677-6

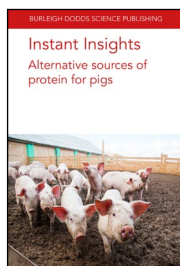
eBook ISBN: 978-1-80146-678-3

Pages: 84

Pub. Date: December 2024

Price: £37.99/\$49.99/€45.99

Series No: 102



Alternative sources of protein for pigs

NEW

Contents

1. Advances in understanding the characteristics and epidemiology of African swine fever: *Youming Wang, China Animal Health and Epidemiology Centre (CAHEC), China*; 2. Advances in surveillance and diagnostic techniques for tracking the spread of African swine fever: *Sandra Blome, Friedrich Loeffler Institute, Germany*; 3. Risk-based measures for prevention and control of African swine fever (ASF) in pigs: *Silvia Bellini, IZSLER, Italy*; 4. Advances in finding a vaccine for African swine fever: *Douglas Gladue, USDA-ARS, USA*

Print ISBN: 978-1-83545-012-3

eBook ISBN: 978-1-83545-013-0

Pages: 96

Pub. Date: November 2024

Price: £37.99/\$49.99/€45.99

Series No: 110

PIGS



Improving the welfare of growing and finishing pigs

NEW

Contents

1.Optimizing pig welfare in the growing and finishing stage: *Arlene Garcia, Texas Tech University, USA*; 2.Welfare of pigs during finishing: *Jonathan Amory, Writtle University College, UK*; 3.Optimising pig welfare during transport, lairage and slaughter: *Luigi Faucitano, Agriculture and Agri-Food Canada, Canada*; 4.Optimising the health of finisher pigs: *Edgar Garcia Manzanilla, Pig Development Department, Teagasc, The Irish Agriculture and Food Development Authority, Ireland*

Print ISBN: 978-1-80146-671-4	eBook ISBN: 978-1-80146-672-1	Pages: 120
Pub. Date: June 2024	Price: £37.99/\$49.99/€45.99	Series No: 99

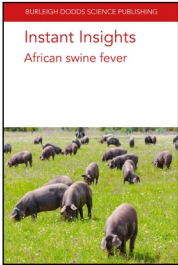


Improving the welfare of gilts and sows

Contents

1.Optimising the health of gilts and pregnant sows: *S. Björkman, University of Helsinki, Finland*; 2.Optimising pig welfare in breeding and gestation: *Paul H. Hemsworth, University of Melbourne, Australia*; 3.Optimising sow and piglet welfare during farrowing and lactation: *Emma M. Baxter, Animal Behaviour and Welfare Team, Animal and Veterinary Sciences Research Group, SRUC, UK*; 4.Welfare of gilts and pregnant sows: *Sandra Edwards, University of Newcastle, UK*

Print ISBN: 978-1-80146-639-4	eBook ISBN: 978-1-80146-640-0	Pages: 164
Pub. Date: October 2023	Price: £37.99/\$49.99/€45.99	Series No: 83

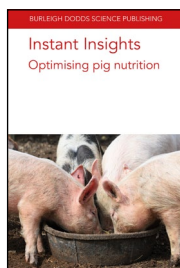


African swine fever

Contents

1.Advances in understanding the characteristics and epidemiology of African swine fever: *Youming Wang, China Animal Health and Epidemiology Centre (CAHEC), China*; 2.Advances in surveillance and diagnostic techniques for tracking the spread of African swine fever: *Sandra Blome, Friedrich Loeffler Institute, Germany*; 3.Risk-based measures for prevention and control of African swine fever (ASF) in pigs: *Silvia Bellini, IZSLER, Italy*; 4.Advances in finding a vaccine for African swine fever: *Douglas Gladue, USDA-ARS, USA*

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Pub. Date: August 2023	Price: £37.99/\$49.99/€45.99	Series No: 09



Optimising pig nutrition

Contents

1. Advances in understanding pig nutritional requirements and metabolism: *R. J. van Barneveld, SunPork Group, Australia*; 2. Managing feed to optimise pig health: *Sam Millet, Institute for Agricultural and Fisheries Research (IVLO), Belgium*; 3. The use of prebiotics to optimize gut function in pigs: *Barbara U. Metzler-Zebeli, University of Veterinary Medicine Vienna, Austria*; 4. Recent advances in understanding the role of vitamins in pig nutrition: *Charlotte Lauridsen, Aarhus University, Denmark*; 5. Developing seaweed/macroalgae as feed for pigs: *Marta López-Alonso, Universidade de Santiago de Compostela, Spain*

Print ISBN: 978-1-78676-952-7

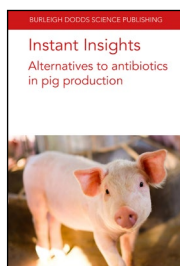
Pub. Date: April 2023

eBook ISBN: 978-1-78676-953-4

Price: £37.99/\$49.99/€45.99

Pages: 158

Series No: 74



Alternatives to antibiotics in pig production

Contents

1. Dealing with the challenge of antibiotic resistance in pig production: *Paul D. Ebner, Purdue University, USA*; 2. Nutritional strategies to boost immune function in pigs: *Glen W. Almond, North Carolina State University, USA*; 3. The use of prebiotics to optimize gut function in pigs: *Barbara U. Metzler-Zebeli, University of Veterinary Medicine Vienna, Austria*; 4. Use of probiotics and prebiotics in pig nutrition in the post-weaning period: *Ingunn Stensland, Murdoch University, Australia*

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Pub. Date: October 2022

eBook ISBN: 978-1-80146-086-6

Price: £37.99/\$49.99/€45.99

Pages: 118

Series No: 32



Viral diseases affecting pigs

Contents

1. Diseases affecting pigs: an overview of common bacterial, viral and parasitic pathogens of pigs: *Alejandro Ramirez, Iowa State University, USA*; 2. Advances in understanding mechanisms of porcine viral disease transmission/epidemiology: *Joaquim Segales, Autonomous University of Barcelona, Spain*; 3. Host-pathogen interactions and genetic tools for resistance to porcine reproductive and respiratory virus (PRRSV): *Raymond (Bob) Rowland, University of Illinois, USA*; 4. Changing patterns of disease affecting pigs: Porcine Reproductive and Respiratory Syndrome (PRRS) and Porcine Epidemic Diarrhoea (PED): *Carla Correia-Gomes, Scotland's Rural College, UK*

Print ISBN: 978-1-80146-416-1

Pub. Date: November 2022

eBook ISBN: 978-1-80146-417-8

Price: £37.99/\$49.99/€45.99

Pages: 92

Series No: 60

PIGS



Developing immunity in pigs

Contents

1. Advances in understanding gut function and immunity in pigs: *Bert Devriendt, Ghent University, Belgium*; 2. The influence of gut microbiome on developing immune and metabolic systems in the young pig: *Mick Bailey, University of Bristol, UK*; 3. Nutritional strategies to boost immune function in pigs: *Glen W. Almond, North Carolina State University, USA*; 4. Improving gut function in pigs to prevent pathogen colonization: *P. Bosi, University of Bologna, Italy*

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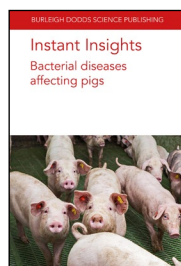
Pub. Date: July 2022

eBook ISBN: 978-1-80146-413-0

Price: £37.99/\$49.99/€45.99

Pages: 144

Series No: 58



Bacterial diseases affecting pigs

Contents

1. Diseases affecting pigs: an overview of common bacterial, viral and parasitic pathogens of pigs: *Alejandro Ramirez, Iowa State University, USA*; 2. Understanding and identifying bacterial disease in swine: *Dominiek Maes, Ghent University, Belgium*; 3. Improving gut function in pigs to prevent dysbiosis and post-weaning diarrhoea: *Charlotte Lauridsen, Aarhus University, Denmark*; 4. Improving gut function in pigs to prevent pathogen colonization: *P. Bosi, University of Bologna, Italy*

Print ISBN: 978-1-80146-414-7

Pub. Date: May 2022

eBook ISBN: 978-1-80146-415-4

Price: £37.99/\$49.99/€45.99

Pages: 164

Series No: 59



Improving piglet welfare

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1. Optimising sow and piglet welfare during farrowing and lactation: *Emma M. Baxter, Animal Behaviour and Welfare Team, Animal and Veterinary Sciences Research Group, SRUC, UK*; 2. Optimising pig welfare at the weaning and nursery stage: *Nicole Kemper, University of Veterinary Medicine Hannover, Germany*; 3. Welfare of weaned piglets: *Arlene Garcia, Texas Tech University, USA*; 4. Optimising the health of weaned piglets: *Andrea Luppi, Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Italy*

Print ISBN: 978-1-80146-055-2

Pub. Date: March 2022

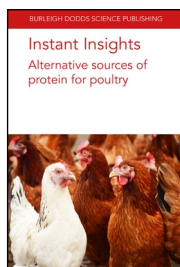
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Pages: 176

Series No: 18

POULTRY



Alternative sources of protein for poultry

NEW

Contents

1. Microalgae: a unique source of poultry feed protein: *Sahil Kalia, Cornell University, USA*; 2. Use of protein from black soldier flies in poultry feed: *Teun Veldkamp, Wageningen University, The Netherlands*; 3. Use of protein from yellow mealworms in poultry feed: *Monnye Mabelebele, University of South Africa, South Africa*; 4. Alternative sources of protein for poultry nutrition: an overview: *Paul Iji, University of New England, Australia*; 5. Corn fermented protein from the dry grind ethanol industry as an alternative feed protein for poultry: *Peter Williams, AG-BIO Ltd, UK*

Print ISBN: 978-1-83545-010-9

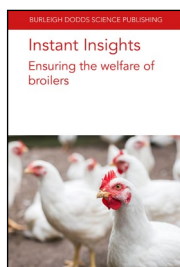
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Pages: 116

Pub. Date: October 2024

Price: £37.99/\$49.99/€45.99

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Ensuring the welfare of broilers

NEW

Contents

1. Ensuring the welfare of broilers: an overview: *T. B. Rodenburg, Wageningen University, The Netherlands*; 2. Poultry health monitoring and management: bone and skin health in broilers: *Gina Caplen, University of Bristol, UK*; 3. Welfare issues affecting broiler breeders: *Anja Brinch Riber, Aarhus University, Denmark*; 4. Broiler breeding flocks: management and animal welfare: *Ingrid C. de Jong, Wageningen Livestock Research, The Netherlands*; 5. Poultry welfare monitoring: group-level technologies: *Marian Stamp Dawkins, University of Oxford, UK*

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eBook ISBN: 978-1-80146-674-5

Pages: 136

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Series No: 100



Optimising quality attributes in poultry products

Contents

1. Advances in understanding color development in poultry meat: *Ranjith Ramanathan, Oklahoma State University, USA*; 2. Determinants of egg appearance and colour: *C. Hamelin, CCPA, France*; 3. Enhancing the flavour of poultry meat: *Dinesh D. Jayasena, Uva Wellassa University, Sri Lanka*; 4. Enhancing the nutritional quality of poultry meat: *Michael S. Lilburn, Ohio State University, USA*; 5. Genetics and genomics of meat quality traits in poultry species: *Elisabeth Le Bihan-Duval, INRAE Val-de-Loire, Université de Tours, France*; 6. Molecular breeding techniques to improve egg quality: *Anna Wolc, Iowa State University, and Hy-Line International, USA*

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eBook ISBN: 978-1-80146-650-9

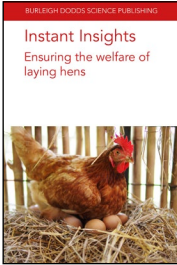
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Pub. Date: December 2023

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Series No: 88

POULTRY

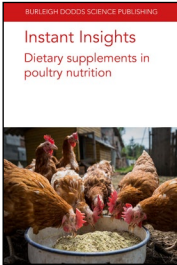


Ensuring the welfare of laying hens

Contents

1.Welfare issues in poultry housing and management: laying hens: *Victoria Sandilands, Scotland's Rural College (SRUC), UK*; 2.Welfare issues affecting free-range laying hens: *Dana L.M. Campbell, University of New England and CSIRO, Australia*; 3.Beak trimming of laying hens: welfare costs and benefits: *Dorothy McKeegan, University of Glasgow, UK*; 4.Bone health and associated problems in layer hens: *Christina Rufener, University of California-Davis, USA*; 5.Genetics and genomics of behavioral and welfare traits in poultry species: *Heng-wei Cheng, Livestock Behavior Research Unit, USDA-ARS, USA and Southwest University, China*

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Pub. Date: July 2023	Price: £37.99/\$49.99/€45.99	Series No: 77

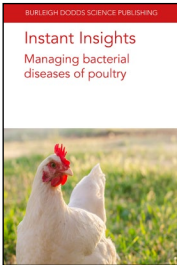


Dietary supplements in poultry nutrition

Contents

1.Advances in understanding and improving the role of enzymes in poultry nutrition: *Bogdan A. Slominski, University of Manitoba, Canada*; 2.The role of probiotics in optimizing gut function in poultry: *Guillermo Tellez, University of Arkansas, USA*; 3.The role of essential oils and other botanicals in optimizing gut function in poultry: *Divek V. T. Nair, University of Minnesota, USA*; 4.Alternative sources of protein for poultry nutrition: *Paul A. Iji, University of New England, Australia*; 5.Microalgae: a unique source of poultry feed protein: *Sahil Kalia, Cornell University, USA*

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Pub. Date: December 2022	Price: £37.99/\$49.99/€45.99	Series No: 65

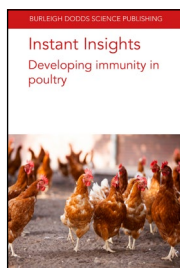


Managing bacterial diseases of poultry

Contents

1.Zoonoses affecting poultry: the case of *Campylobacter*: *Tom J. Humphrey, Swansea University, UK*; 2.Gastrointestinal diseases of poultry: causes and nutritional strategies for prevention and control: *Raveendra R. Kulkarni, North Carolina State University, USA*; 3.Disease management in poultry flocks: *Peter Groves, University of Sydney, Australia*; 4.Improving biosecurity in poultry flocks: *Jean-Pierre Vaillancourt, Université de Montréal, Canada*; 5.Alternatives to antibiotics in preventing zoonoses and other pathogens in poultry: prebiotics and related compounds: *S. C. Ricke, University of Arkansas, USA*

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Developing immunity in poultry

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1.Genetics and genomics of immunity and disease traits in poultry species: *M.-H. Pinard-van der Laan, INRAE, France*; 2.Understanding gut function in poultry: the role of commensals, metabolites, inflammation and dysbiosis in intestinal immune function and dysfunction: *Michael H. Kogut, USDA-ARS, USA*; 3.Nutritional strategies to boost immune response in poultry: *Michael Kidd, University of Arkansas, USA*; 4.Understanding and boosting poultry immune systems: *Rami A. Dalloul, Virginia Tech, USA*

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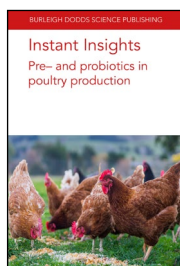
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Pages: 104

Pub. Date: September 2022

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Series No: 61



Pre- and probiotics in poultry production

Contents

1.The role of probiotics in optimizing gut function in poultry: *Guillermo Tellez, University of Arkansas, USA*; 2.Role of prebiotics in poultry gastrointestinal tract health, function, and microbiome composition: *Steven C. Ricke, University of Arkansas, USA*; 3.Probiotics, prebiotics and other feed additives to improve gut function and immunity in poultry: *Robert Moore, RMIT University, Australia*

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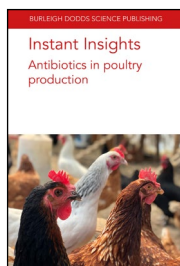
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Pages: 100

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Series No: 43



Antibiotics in poultry production

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1.Antibiotics and gut function: historical and current perspectives: *Jeferson M. Lourenço, University of Georgia, USA*; 2.The emergence of antibiotic resistance in poultry farms: *Issmat I. Kassem, The Ohio State University, USA*; 3.Alternatives to antibiotics in preventing zoonoses and other pathogens in poultry: prebiotics and related compounds: *S. C. Ricke, University of Arkansas, USA*; 4.Competitive exclusion (CE) treatment to control pathogens in poultry: *Carita Schneitz, Orion Pharma, Finland*

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eBook ISBN: 978-1-80146-011-8

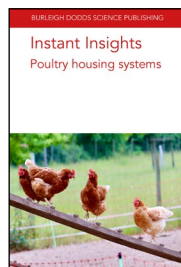
Pages: 92

Pub. Date: January 2021

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Series No: 13

POULTRY



Poultry housing systems

Contents

1. Welfare issues in poultry housing and management: laying hens: *Victoria Sandilands, Scotland's Rural College (SRUC), UK*; 2. The effects of laying hen housing systems on egg safety and quality: *Deana R. Jones, USDA-ARS, USA*; 3. Broiler breeding flocks: management and animal welfare: *Ingrid C. de Jong, Wageningen Livestock Research, The Netherlands*; 4. The contribution of environmental enrichment to sustainable poultry production: *Inma Estevez, Inma Estevez, Neiker-Tecnalia and Ikerbasque (The Basque Foundation for Science), Spain*; 5. The role of perches in chicken welfare: *Lars Schrader, Institute of Animal Welfare and Animal Husbandry – Friedrich-Loeffler-Institut, Germany*

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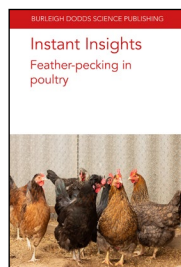
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Pages: 138

Pub. Date: November 2021

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Feather-pecking in poultry

Contents

1. Cause and prevention of injurious pecking in chickens: *Nienke van Staaveren, University of Guelph, Canada*; 2. Beak trimming of laying hens: welfare costs and benefits: *Dorothy McKeegan, University of Glasgow, UK*; 3. Managing laying hen flocks with intact beaks: *Thea van Niekerk, Wageningen Livestock Research, The Netherlands*

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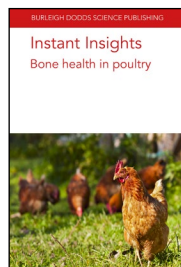
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Pages: 86

Pub. Date: January 2021

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Series No: 15



Bone health in poultry

Contents

1. Genetics and genomics of skeletal traits in poultry species: *Martin Johnsson, Swedish University of Agricultural Sciences, Sweden*; 2. Leg disorders in poultry: bacterial chondronecrosis with osteomyelitis (BCO): *Robert F. Wideman, Jr., University of Arkansas, USA*; 3. Bone health and associated problems in layer hens: *Christina Rufener, University of California-Davis, USA*; 4. Poultry health monitoring and management: bone and skin health in broilers: *Gina Caplen, University of Bristol, UK*

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eBook ISBN: 978-1-80146-013-2

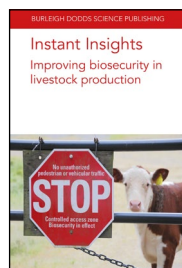
Pages: 140

Pub. Date: January 2021

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Series No: 14

LIVESTOCK MANAGEMENT



Improving biosecurity in livestock production

Contents

1. On-farm strategies for preventing pig diseases: improving biosecurity: *Jeroen Dewulf, Ghent University, Belgium*; 2. Disease identification and management on the pig farm: *Dominiek Maes, Ghent University, Belgium*; 3. Improving biosecurity in poultry flocks: *Jean-Pierre Vaillancourt, Université de Montréal, Canada*; 4. Food safety management on farms producing beef: *Peter Paulsen, University of Veterinary Medicine, Austria*; 5. Biosecurity and safety for humans and animals in organic animal farming: *K. Ellis, Scottish Centre for Production Animal Health and Food Safety, University of Glasgow, UK*

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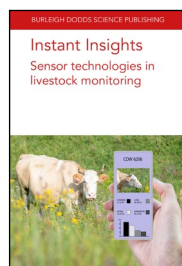
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Pages: 150

Pub. Date: June 2023

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Series No: 79



Sensor technologies in livestock monitoring

Contents

1. Developments in wearable sensors for monitoring livestock: *Mark Trotter, CQ University Institute for Future Farming Systems, Australia*; 2. Poultry welfare monitoring: wearable technologies: *Dana L. M. Campbell, CSIRO, Australia*; 3. Advances in techniques for health monitoring/disease detection in dairy cattle: *Michael Iwersen, University of Veterinary Medicine Vienna, Austria*; 4. Advances in precision livestock farming techniques for monitoring dairy cattle welfare: *Henk Hogeveen, Wageningen University and Research, The Netherlands*; 5. Advances in technologies for monitoring pig welfare: *Maciej Oczak, University of Veterinary Medicine Vienna, Austria*

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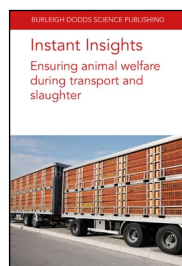
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Pages: 168

Pub. Date: June 2022

Price: £37.99/\$49.99/€45.99

Series No: 17



Ensuring animal welfare during transport and slaughter

Contents

1. Optimizing welfare in transport and slaughter of cattle: *Jan Shearer, Iowa State University, USA*; 2. Ensuring the welfare of culled dairy cows during transport and slaughter: *Carmen Gallo, Animal Welfare Programme, Faculty of Veterinary Science, Universidad Austral de Chile, Chile*; 3. Optimising pig welfare during transport, lairage and slaughter: *Luigi Faucitano, Agriculture and Agri-Food Canada, Canada*; 4. Improving welfare in poultry slaughter: *Dorothy McKeegan, Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow, UK*; 5. Humane transport, lairage and slaughter of sheep: *P. H. Hemsworth, University of Melbourne, Australia*

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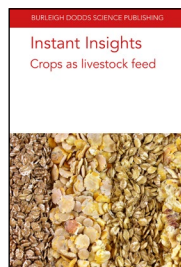
Pages: 176

Pub. Date: November 2021

Price: £37.99/\$49.99/€45.99

Series No: 45

LIVESTOCK MANAGEMENT



Crops as livestock feed

Contents

1.The use of feedlot/cereal grains in improving feed efficiency and reducing by-products such as methane in ruminants: *Kristin Hales, US Meat Animal Research Center – USDA-ARS, USA*; 2.The use and abuse of cereals, legumes and crop residues in rations for dairy cattle: *Michael Blümmel, International Livestock Research Institute (ILRI), Ethiopia*; 3.Optimising the use of barley as an animal feed: *David M. E. Poulsen, Queensland University of Technology, Australia*; 4.Sorghum as a forage and energy crop: *Scott Staggenborg, Chromatin Inc., USA*; 5.Nutritional considerations for soybean meal use in poultry diets: *Justin Fowler, University of Georgia, USA*

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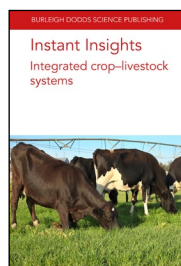
Pub. Date: August 2021

eBook ISBN: 978-1-80146-172-6

Price: £37.99/\$49.99/€45.99

Pages: 126

Series No: 39



Integrated crop–livestock systems

Contents

1.Integrated crop/livestock systems with agroforestry to improve organic animal farming: *A. J. Escribano, Nutrien Internacional, Spain*; 2.Integration of crop–livestock in Conservation Agriculture systems: *John N. Landers, Independent Consultant, Brazil*; 3.The contribution of integrated crop–livestock systems in combatting climate change and improving resilience in agricultural production to achieve food security: *Mark van Wijk, International Livestock Research Institute (ILRI), Kenya*; 4.Integrating livestock production into whole-farm system models of mixed crop–livestock systems: *Katrien Descheemaeker, Wageningen University and Research, The Netherlands*

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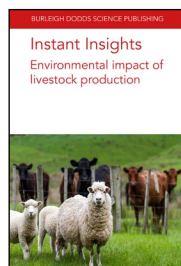
Pub. Date: June 2021

eBook ISBN: 978-1-80146-160-3

Price: £37.99/\$49.99/€45.99

Pages: 172

Series No: 33



Environmental impact of livestock production

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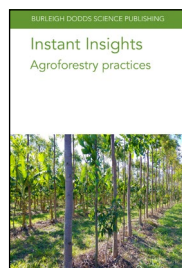
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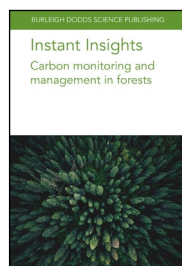
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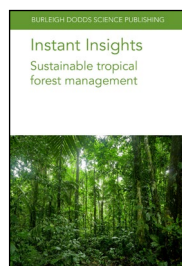
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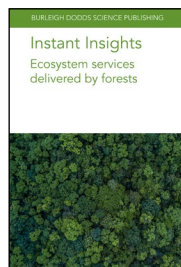
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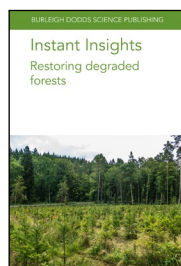
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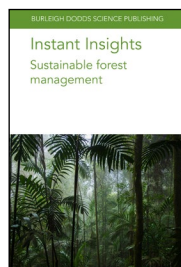
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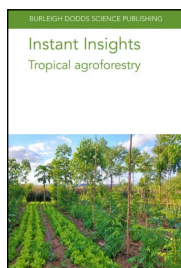
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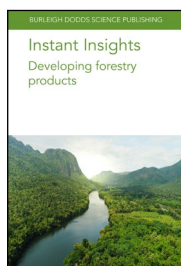
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