

Supplementary materials

Table S1. List of 197 studies included in the review.

No.	Articles	Countries	Production sectors	Year
1	Hernandez-Jover. M., Schembri. N, Toribio. J.-A. L. M. L, & Holyoake. P. K. 2008. "Biosecurity risks associated with current identification practices of producers trading live pigs at livestock sales." <i>Animal</i> 2(11): 1692-1699.	Australia	Animal	2008
2	Flaten. O., Lien. G, Koesling. M, Vallec. P.S, Ebbesvikb. M. 2005. "Comparing risk perceptions and risk management in organic and conventional dairy farming: empirical results from Norway." <i>Livestock Production Science</i> 95: 11-25.	Norway	Animal	2005
3	Legesse. B., Drake. L. 2005. "Determinants of smallholder farmers' perceptions of risk in the Eastern Highlands of Ethiopia." <i>Journal of Risk Research</i> 8 (5): 383-416.	Ethiopia	Mixed	2005
4	Sulewski. P., Kloczko-Gajewska. A. 2014. "Farmers' risk perception, risk aversion and strategies to cope with production risk: an empirical study from Poland." <i>Studies in Agricultural Economics</i> 116: 140-147.	Poland	Mixed	2014
5	Picazo-Tadeo. A. J., Wall, A. 2011. "Production risk, risk aversion and the determination of risk attitudes among Spanish rice producers." <i>Agricultural Economics</i> 42: 451-464.	Spain	Crop	2011
6	Kristensen. E., & Jakobsen. E. B. 2011. "Danish dairy farmers' perception of biosecurity." <i>Preventive Veterinary Medicine</i> 99: 122-129.	Denmark	Animal	2011
7	Garforth. C. J., Bailey. A. P, & Tranter. R. B. 2013. "Farmers' attitudes to disease risk management in England: A comparative analysis of sheep and pig farmers." <i>Preventive Veterinary Medicine</i> 110: 456-466.	England	Animal	2013
8	Ullah. R., Shivakoti. G.P, Ali. G. 2015. "Factors effecting farmers' risk attitude and risk perceptions: The case of Khyber Pakhtunkhwa, Pakistan." <i>International Journal of Disaster Risk Reduction</i> 13: 151-157.	Pakistan	Mixed	2015
9	Harvey. C. A., Rakotobe. Z. L., Rao. N. S, Dave. R, Razafimahatratra. H, Rabarijohn. R. H, Rajaofara. H., MacKinnon. J. L. 2014. "Extreme vulnerability of smallholder farmers to agricultural risks and climate change in Madagascar." <i>Philosophical Transactions of the Royal Society B</i> 369 (1639): 1-12.	Madagascar	Mixed	2014
10	Naylor. R., & Courtney. P. 2014. "Exploring the social context of risk perception and behaviour: Farmers' response to bovine tuberculosis." <i>Geoforum</i> 57: 48-56.	England	Animal	2014
11	Simon-Grifé. M., Martín-Valls. G. E, Vilar-Ares. M. J, García-Bocanegra, I, Martín. M, Mateu. E, & Casal. J. 2013. "Biosecurity practices in Spanish pig herds: Perceptions of farmers and veterinarians of the most important biosecurity measures." <i>Preventive Veterinary Medicine</i> 110(2): 223-231.	Spain	Animal	2013
12	Visschers. V. H. M, Backhans. A, Collineau. L, Iten. D, Loesken. S, Postma. M., Belloc. C, Dewulf. J, Emanuelson. U, Beilage. E.G, Seigrist. M, Sjolund. M, Stark, K. D. C. 2015. "Perceptions of antimicrobial usage, antimicrobial resistance and policy measures to reduce antimicrobial usage in convenient samples of Belgian, French, German, Swedish and Swiss pig farmers." <i>Preventive Veterinary Medicine</i> 119(1-2): 10-20.	Belgium, France, Germany, Sweden, Switzerland	Animal	2015

No.	Articles	Countries	Production sectors	Year
13	Maye. D., Ilbery. B., & Little. R. 2012. "Rationalising risk: grower strategies to manage plant disease in the UK wheat and potato sectors." <i>Geographical Journal</i> 178: 338-347.	United Kingdom	Crop	2012
14	Toma. L., Stott. A.W, Feffernan. C, Ringrose. S., Gunn. G.J., 2013. "Determinants of biosecurity behaviour of British cattle and sheep farmers—A behavioral economics analysis." <i>Preventive Veterinary Medicine</i> 108: 321-333.	Great Britain	Animal	2013
15	Valeeva. N. I., van Asseldonk. M. A. P. M, & Backus. G. B. C. 2011. "Perceived risk and strategy efficacy as motivators of risk management strategy adoption to prevent animal diseases in pig farming." <i>Preventive Veterinary Medicine</i> 102(4): 284-295.	Netherlands	Animal	2011
16	Arbuckle. J. G, Jr. Morton. L. W, & Hobbs. J. 2015. "Understanding Farmer Perspectives on Climate Change Adaptation and Mitigation: The Roles of Trust in Sources of Climate Information, Climate Change Beliefs, and Perceived Risk." <i>Environment and Behavior</i> 47(2): 205-234.	United States	Crop	2015
17	Bardhan. D., Tewari. S.K. 2007. "Risk Attitude and Risk Management Strategies: An Analysis of Dairy Farmers in Tarai Area of Uttaranchal State." <i>Indian Journal of Agricultural Economics</i> 62(4): 607-622.	India	Animal	2007
18	Goodwin. R.,Haque. S, Hassan. S. B.S, Dhanoa. A. 2011. "Representations of swine flu: perspectives from a Malaysian pig farm." <i>Public Understanding of Science</i> 20(4): 477-490.	Malayssia	Animal	2011
19	Barraza. D., Jansen. K, van Wendel de Joode. B, & Wesseling. C. 2011. "Pesticide use in banana and plantain production and risk perception among local actors in Talamanca, Costa Rica." <i>Environmental Research</i> 111(5): 708-717.	Costa Rica	Crop	2011
20	Rios-Gonzalez. A., Jansen. K, & Javier Sanchez-Perez. H. 2013. "Pesticide risk perceptions and the differences between farmers and extensionists: towards a knowledge-in-context model." <i>Environmental Research</i> 124: 43-53.	Mexico	Crop	2013
21	Ahmed. N., Englund. J. E, Ahman. I, Lieberg. M, & Johansson. E. 2011. "Perception of pesticide use by farmers and neighbors in two periurban areas." <i>Science the Total Environment</i> 412-413: 77-86.	Sweden	Crop	2011
22	Yang. X, Wang. F, Meng. L, Zhang. W, Fan. L, Geissen. V, & Ritsema. C. J. 2014. "Farmer and retailer knowledge and awareness of the risks from pesticide use: a case study in the Wei River catchment, China." <i>Science of the Total Environment</i> 497-498: 172-179.	China	Crop	2014
23	Abid. M., Schilling. J, Scheffran. J, & Zulfiqar. F. 2016. "Climate change vulnerability, adaptation and risk perceptions at farm level in Punjab, Pakistan." <i>Science of the Total Environment</i> 547: 447-460.	Pakistan	Mixed	2016
24	Jallow. M. F. A., Awadh. D. G., Albaho. M. S, Devi. V. Y, & Thomas. B. M. 2017. "Pesticide risk behaviors and factors influencing pesticide use among farmers in Kuwait." <i>Science of the Total Environment</i> 574: 490-498.	Kuwait	Crop	2017
25	Wang. W., Jin. J, He. R, & Gong. H. 2017. "Gender differences in pesticide use knowledge, risk awareness and practices in Chinese farmers." <i>Science of the Total Environment</i> 590-591: 22-28.	China	Crop	2017
26	Bakhsh. K., Ahmad. N, Tabasum. S, Hassan. S, & Hassan. I. 2017. "Health hazards and adoption of personal protective equipment during cotton harvesting in Pakistan." <i>Science of the Total Environment</i> 598: 1058-1064.	Pakistan	Crop	2017
27	Barnes. A. P, Islam. M. M, & Toma. L. 2013. "Heterogeneity in climate change risk perception amongst dairy farmers: A latent class clustering analysis." <i>Applied Geography</i> 41: 105-115.	Scotland	Animal	2013

No.	Articles	Countries	Production sectors	Year
28	Singh. R. K., Zander. K. K, Kumar. S, Singh. A, Sheoran. P, Kumar. A, Singh. A, Sheoran. P, Kumar. A, Hussain. S.M, Riba. T, Rallen. O, Lego. Y.J, Padung. E, Garnett. S. T. 2017. "Perceptions of climate variability and livelihood adaptations relating to gender and wealth among the Adi community of the Eastern Indian Himalayas." <i>Applied Geography</i> 86: 41-52.	Indian	Crop	2017
29	Casal. J., De Manuel. A, Mateu. E, & Martin. M. 2007. "Biosecurity measures on swine farms in Spain: perceptions by farmers and their relationship to current on-farm measures." <i>Preventive Veterinary Medicine</i> 82(1-2): 138-150.	Spain	Animal	2007
30	Hernandez-Jover. M., Taylor. M, Holyoake. P, & Dhand. N. 2012. "Pig producers' perceptions of the Influenza Pandemic H1N1/09 outbreak and its effect on their biosecurity practices in Australia." <i>Preventive Veterinary Medicine</i> 106(3-4): 284-294.	Australia	Animal	2012
31	Ssematimba. A., Hagenaars. T. J, de Wit. J. J, Ruiterkamp. F, Fabri. T. H, Stegeman. J. A., & de Jong. M. C. 2013. "Avian influenza transmission risks: analysis of biosecurity measures and contact structure in Dutch poultry farming." <i>Preventive Veterinary Medicine</i> 109(1-2): 106-115.	Netherlands	Animal	2013
32	Broughan. J. M., Maye. D., Carmody. P, Brunton. L. A, Ashton. A, Wint. W, Alexander. N, Naylor. R, Ward. K, Goodchild. A.V, Hinchliffe. S, Eglin. R.D, Upton. P, Nicholson. R, Enticott. G. 2016. "Farm characteristics and farmer perceptions associated with bovine tuberculosis incidents in areas of emerging endemic spread." <i>Preventive Veterinary Medicine</i> 129: 88-98.	England and Wales	Animal	2016
33	Dione. M., Ouma. E, Opio. F, Kawuma. B, & Pezo. D. 2016. "Qualitative analysis of the risks and practices associated with the spread of African swine fever within the smallholder pig value chains in Uganda." <i>Preventive Veterinary Medicine</i> 135: 102-112.	Uganda	Animal	2016
34	Schaik. G.V., Dijkhuizen. A.A, Huirne. R.B.M, Benedictus. G., 1998. "Adaptive conjoint analysis to determine perceived risk factors of farmers, veterinarians and AI technicians for introduction of BHV1 to dairy farms." <i>Preventive Veterinary Medicine</i> 37: 101-112.	Netherlands	Animal	1998
35	Isin. S., & Yildirim. I. 2007. "Fruit-growers' perceptions on the harmful effects of pesticides and their reflection on practices: The case of Kemalpassa, Turkey." <i>Crop Protection</i> 26(7): 917-922.	Turkey	Crop	2007
36	Kumar. G. D. S., & Popat. M. N. 2010. "Farmers' perceptions, knowledge and management of aflatoxins in groundnuts (<i>Arachis hypogaea</i> L.) in India." <i>Crop Protection</i> 29(12): 1534-1541.	India	Crop	2010
37	Khan. M., Mahmood. H. Z. & Damalas. C. A. 2015. "Pesticide use and risk perceptions among farmers in the cotton belt of Punjab, Pakistan." <i>Crop Protection</i> 67: 184-190.	Pakistan	Crop	2015
38	Abdollahzadeh. G, Sharifzadeh. M. S, & Damalas. C. A. 2015. "Perceptions of the beneficial and harmful effects of pesticides among Iranian rice farmers influence the adoption of biological control." <i>Crop Protection</i> 75: 124-131.	India	Crop	2015
39	Penet. L., Barthe. E, Alleyne. A, & Blazy. J. M. 2016. "Disease risk perception and diversity of management strategies by farmers: The case of anthracnose caused by <i>Colletotrichum gloeosporioides</i> on water yams (<i>Dioscorea alata</i>) in Guadeloupe." <i>Crop Protection</i> 88: 7-17.	Guadeloupe	Crop	2016
40	Tippe. D. E., Rodenburg. J, Schut. M, van Ast. A, Kayeke. J, & Bastiaans. L. 2017. "Farmers' knowledge, use and preferences of parasitic weed management strategies in rain-fed rice production systems." <i>Crop Protection</i> 99: 93-107.	Tanzania	Crop	2017

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41	Jianjun. J., Yiwei. G, Xiaomin. W, & Nam. P. K.2015. "Farmers' risk preferences and their climate change adaptation strategies in the Yongqiao District, China." <i>Land Use Policy</i> 47: 365-372.	China	Crop	2015
42	Woods. B. A., Nielsen. H. Ø, Pedersen. A. B, & Kristofersson. D. 2017. "Farmers' perceptions of climate change and their likely responses in Danish agriculture." <i>Land Use Policy</i> 65: 109-120.	Denmark	Crop	2017
43	Ellis. N. R, & Albrecht. G. A. 2017. "Climate change threats to family farmers' sense of place and mental wellbeing: A case study from the Western Australian Wheatbelt." <i>Social Science and Medicine</i> 175: 161-168.	Australia	Crop	2017
44	Brook. R. K., & McLachlan. S. M. 2006. "Factors influencing farmers' concerns regarding bovine tuberculosis in wildlife and livestock around Riding Mountain National Park." <i>Journal of Environmental Management</i> 80(2): 156-166.	Canada	Animal	2006
45	Mubaya. C. P., Njuki. J, Mutsvangwa. E. P, Mugabe. F. T, & Nanja. D. 2012. "Climate variability and change or multiple stressors? Farmer perceptions regarding threats to livelihoods in Zimbabwe and Zambia." <i>Journal of Environmental Management</i> 102: 9-17.	Zimbabwe, Zambia	Crop	2012
46	Barnes. A. P., McCalman. H, Buckingham. S, & Thomson. S. 2013. "Farmer decision-making and risk perceptions towards outwintering cattle." <i>Journal of Environmental Management</i> 129: 9-17.	England and Wales	Animal	2013
47	Li. S., Juhasz-Horvath. L, Harrison. P. A, Pinter. L, & Rounsevell. M. D. A. 2017. "Relating farmer's perceptions of climate change risk to adaptation behaviour in Hungary." <i>Journal of Environmental Management</i> 185: 21-30.	Hungary	Animal	2017
48	Ploeger. H. W., Antonis. A. F. G, Verkaik. J. C, Vellema. P, & Bokma-Bakker. M. H. 2016. "Perceptions and actions of Dutch sheep farmers concerning worm infections." <i>Veterinary Parasitology</i> 229: 150-158.	Netherlands	Animal	2016
49	Tucker. M., Napier. T.L, 2001. "Determinants of perceived agricultural chemical risk in three watersheds in the Midwestern United States." <i>Journal of Rural Studies</i> 17: 219-233.	United States	Crop	2001
50	Ngigi, M. W., Mueller. U, & Birner. R. 2017. "Gender Differences in Climate Change Adaptation Strategies and Participation in Group-based Approaches: An Intra-household Analysis From Rural Kenya." <i>Ecological Economics</i> 138: 99-108.	Kenya	Mixed	2017
51	Patt. A., & Schroter. D. 2008. "Perceptions of climate risk in Mozambique: Implications for the success of adaptation strategies." <i>Global Environmental Change</i> 18(3): 458-467.	Mozambique	Mixed	2008
52	Tucker. C.M., Eakin. H, Castellanos. E.J, 2010. "Perceptions of risk and adaptation: Coffee producers, market shocks, and extreme weather in Central America and Mexico." <i>Global Environmental Change</i> 20: 23-32.	Mexico and Central America	Crop	2010
53	Frank. E., Eakin. H., & López-Carr. D. 2011. "Social identity, perception and motivation in adaptation to climate risk in the coffee sector of Chiapas, Mexico." <i>Global Environmental Change</i> 21(1): 66-76.	Mexico	Crop	2011
54	Niles. M. T., Lubell. M, & Haden. V. R. 2013. "Perceptions and responses to climate policy risks among California farmers." <i>Global Environmental Change</i> 23(6): 1752-1760.	United States	Animal	2013
55	Truelove. H. B., Carrico. A. R, & Thabrew. L. 2015. "A socio-psychological model for analyzing climate change adaptation: A case study of Sri Lankan paddy farmers." <i>Global Environmental Change</i> 31: 85-97.	Sri Lanka	Crop	2015

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56	Menapace. L., Colson. G., Raffaelli. R. 2015. "Climate change beliefs and perceptions of agricultural risks: An application of the exchangeability method." <i>Global Environmental Change</i> 35: 70-81.	Italy	Crop	2015
57	Smith. W. J., Liu. Z, Safi. A. S, & Chief. K. 2014. "Climate change perception, observation and policy support in rural Nevada: A comparative analysis of Native Americans, non-native ranchers and farmers and mainstream America." <i>Environmental Science and Policy</i> 42: 101-122.	United States	Crop	2014
58	Quiroga. S., Suárez. C, & Solís. J. D. 2015. "Exploring coffee farmers' awareness about climate change and water needs: Smallholders' perceptions of adaptive capacity." <i>Environmental Science and Policy</i> 45: 53-66.	Nicaragua	Crop	2015
59	Ogurtsov. V.A., Van Asseldonk. M.P.A.M, Huirne. R.B.M. 2008. "Assessing and modelling catastrophic risk perceptions and attitudes in agriculture: a review." <i>Wageningen Journal of Life Sciences</i> 39-58.	Netherlands	Crop	2008
60	Visschers. V. H. M, Iten. D. M, Riklin. A, Hartmann. S, Sidler. X, & Siegrist. M. 2014. "Swiss pig farmers' perception and usage of antibiotics during the fattening period." <i>Livestock Science</i> 162: 223-232.	Switzerland	Animal	2014
61	Gandure. S., Walker. S., & Botha. J. J. 2013. "Farmers' perceptions of adaptation to climate change and water stress in a South African rural community." <i>Environmental Development</i> 5: 39-53.	South Africa	Crop	2013
62	Tripathi. A., & Mishra. A. K. 2017. "Knowledge and passive adaptation to climate change: An example from Indian farmers." <i>Climate Risk Management</i> 16: 195-207.	India	Crop	2017
63	Hitayezu. P., Wale. E., & Ortmann. G. 2017. "Assessing farmers' perceptions about climate change: A double-hurdle approach." <i>Climate Risk Management</i> 17: 123-138.	South Africa	Crop	2017
64	Elum. Z. A., Modise. D. M, & Marr. A. 2017. "Farmer's perception of climate change and responsive strategies in three selected provinces of South Africa." <i>Climate Risk Management</i> 16: 246-257.	South Africa	Crop	2017
65	Mase. A. S., Gramig. B. M., & Prokopy. L. S. 2017. "Climate change beliefs, risk perceptions, and adaptation behavior among Midwestern U.S. crop farmers." <i>Climate Risk Management</i> 15: 8-17.	United States	Crop	2017
66	Ullah. R., Jourdain. D, Shivakoti. G. P, & Dhakal. S. 2015. "Managing catastrophic risks in agriculture: Simultaneous adoption of diversification and precautionary savings." <i>International Journal of Disaster Risk Reduction</i> 12: 268-277.	Pakistan	Crop	2015
67	Iqbal. M. A., Ping. Q, Abid. M, Muhammad Muslim Kazmi. S, & Rizwan. M. 2016. "Assessing risk perceptions and attitude among cotton farmers: A case of Punjab province, Pakistan." <i>International Journal of Disaster Risk Reduction</i> 16: 68-74.	Pakistan	Crop	2016
68	Saqib. S. E., Ahmad. M. M, Panezai. S, & Rana. I. A. 2016. "An empirical assessment of farmers' risk attitudes in flood-prone areas of Pakistan." <i>International Journal of Disaster Risk Reduction</i> 18: 107-114.	Pakistan	Crop	2016
69	Bormudoi. A., & Nagai. M. 2017. "Perception of risk and coping capacity: A study in Jiadhal Basin, India." <i>International Journal of Disaster Risk Reduction</i> 21: 376-383.	India	Crop	2017
70	Saqib. S. e., Ahmad. M. M, Panezai. S, & Ali. U. 2016. "Factors influencing farmers' adoption of agricultural credit as a risk management strategy: The case of Pakistan." <i>International Journal of Disaster Risk Reduction</i> 17: 67-76.	Pakistan	Crop	2016

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71	Bahta. Y. T, Jordaan. A., & Muyambo. F. 2016. "Communal farmers' perception of drought in South Africa: Policy implication for drought risk reduction." <i>International Journal of Disaster Risk Reduction</i> 20: 39-50.	South Africa	Crop	2016
72	Oliveira. R. C. d. S., Albuquerque. U. P, da Silva. T. L. L, Ferreira Júnior. W. S, Chaves. L. d. S., & Araújo. E. d. L. 2017. "Religiousness/spirituality do not necessarily matter: Effect on risk perception and adaptive strategies in the semi-arid region of NE Brazil." <i>Global Ecology and Conservation</i> 11: 125-133.	Brazil	Mixed	2017
73	Meraner. M., & Finger. R. 2017. "Data on German farmers risk preference, perception and management strategies." <i>Data Brief</i> 15: 102-105.	Germany	Animal	2017
74	Kassie. B. T., Hengsdijk. H, Rotter. R, Kahiluoto. H, Asseng. S, & Van Ittersum. M. 2013. "Adapting to climate variability and change: experiences from cereal-based farming in the central rift and Kobo Valleys, Ethiopia." <i>Environmental Management</i> 52(5): 1115-1131.	Ethiopia	Mixed	2013
75	Le Dang. H., Li. E, Nuberg. I, & Bruwer. J. 2014. "Farmers' perceived risks of climate change and influencing factors: a study in the Mekong Delta, Vietnam." <i>Environmental Management</i> 54(2): 331-345.	Vietnam	Crop	2014
76	Prokopy. L. S., Arbuckle. J. G, Barnes. A. P, Haden. V. R, Hogan. A, Niles. M. T. & Tyndall. J. 2015. "Farmers and Climate Change: A Cross-National Comparison of Beliefs and Risk Perceptions in High-Income Countries." <i>Environmental Management</i> 56(2): 492-504.	Australia, Scotland, US, New Zealand	Mixed	2015
77	Takahashi. B, Burnham. M, Terracina-Hartman. C., Sopchak. A. R., & Selfa. T. 2016. "Climate Change Perceptions of NY State Farmers: The Role of Risk Perceptions and Adaptive Capacity." <i>Environmental Management</i> 58(6): 946-957.	United States	Mixed	2016
78	Tucker. M., Napier. T.L. 1998. "Perceptions of Risk Associated with Use of Farm Chemicals: Implications for Conservation Initiatives." <i>Environmental Management</i> 22(4): 575-587.	United States	Crop	1998
79	Yaro, J. A., 2013. "The perception of and adaptation to climate variability/change in Ghana by small-scale and commercial farmers." <i>Regional Environmental Change</i> 13(6): 1259-1272.	Ghana	Crop	2013
80	Bastakoti. R. C., Gupta. J, Babel. M. S, & van Dijk. M. P. 2013. "Climate risks and adaptation strategies in the Lower Mekong River basin." <i>Regional Environmental Change</i> 14(1): 207-219.	Vietnam, Thailand	Crop	2013
81	Below. T. B., Schmid. J. C, & Sieber. S. 2014. "Farmers' knowledge and perception of climatic risks and options for climate change adaptation: a case study from two Tanzanian villages." <i>Regional Environmental Change</i> , 15(7): 1169-1180.	Tanzania	Mixed	2014
82	Roco. L., Engler. A, Bravo-Ureta. B. E, & Jara-Rojas. R. 2014. "Farmers' perception of climate change in mediterranean Chile." <i>Regional Environmental Change</i> 15(5): 867-879.	Chile	Crop	2014
83	Burnham. M., & Ma. Z. 2016. "Climate change adaptation: factors influencing Chinese smallholder farmers' perceived self-efficacy and adaptation intent." <i>Regional Environmental Change</i> 17(1): 171-186.	China	Crop	2016
84	Cooper. S. J., & Wheeler. T. 2016. "Rural household vulnerability to climate risk in Uganda" <i>Regional Environmental Change</i> 17(3): 649-663.	Uganda	Mixed	2016

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85	Mateus. T. L., Niza-Ribeiro, J, Castro. A, & Vieira-Pinto. M. 2016. "Limited Knowledge About Hydatidosis Among Farmers in Northwest Portugal: A Pressing Need for a One Health Approach." <i>Ecohealth</i> 13(3): 480-489.	Portugal	Animal	2016
86	Lasco. R. D., Espaldon. M. L. O, & Habito. C. M. D. 2015. "Smallholder farmers' perceptions of climate change and the roles of trees and agroforestry in climate risk adaptation: evidence from Bohol, Philippines." <i>Agroforestry Systems</i> 90(3): 521-540.	Philippines	Crop	2015
87	Babalola. F. D, Ayinde. O. E, Chirwa. P. W, & Thiam. D. R. 2016. "Risks and coping strategies of production and marketing of cocoa in Ondo State, Nigeria." <i>Agroforestry Systems</i> 91(2): 211-220.	Nigeria	Crop	2016
88	Eakin. H., Tucker. C. M, Castellanos. E, Diaz-Porras. R, Barrera. J. F, & Morales. H. 2013. "Adaptation in a multi-stressor environment: perceptions and responses to climatic and economic risks by coffee growers in Mesoamerica." <i>Environment, Development and Sustainability</i> 16(1): 123-139.	Mexico, Guatemala, Honduras, Costa Rica	Crop	2013
89	Touch. V., Martin. R. J., Scott. F, Cowie. A, & Liu. D. L. 2016. "Climate change impacts on rainfed cropping production systems in the tropics and the case of smallholder farms in North-west Cambodia." <i>Environment, Development and Sustainability</i> 19(5): 1631-1647.	Cambodia	Crop	2017
90	Reid. S., Smit. B, Caldwell. W, & Belliveau. S. 2006. "Vulnerability and adaptation to climate risks in Ontario agriculture." <i>Mitigation and Adaptation Strategies for Global Change</i> 12(4): 609-637.	Canada	Mixed	2006
91	Alam. M. M., Siwar. C, Molla. R. I, Talib. B, & bin Toriman. M. E. 2011. "Paddy farmers' adaptation practices to climatic vulnerabilities in Malaysia." <i>Mitigation and Adaptation Strategies for Global Change</i> 17(4): 415-423.	Malaysia	Crop	2011
92	Ullah. R., Shivakoti. G. P, Kamran. A, & Zulfiqar. F. 2016. "Farmers versus nature: managing disaster risks at farm level." <i>Natural Hazards</i> 82(3): 1931-1945.	Pakistan	Mixed	2016
93	Zulfiqar. F., Ullah. R, Abid. M, & Hussain. A, 2016. "Cotton production under risk: a simultaneous adoption of risk coping tools." <i>Natural Hazards</i> 84(2): 959-974.	Pakistan	Crop	2016
94	Lu. W, Latif. A., & Ullah. R. 2017. "Simultaneous adoption of contract farming and off-farm diversification for managing agricultural risks: the case of flue-cured Virginia tobacco in Pakistan." <i>Natural Hazards</i> 86(3): 1347-1361.	Pakistan	Crop	2017
95	List. G., & Coomes. O. T. 2017. "Natural hazards and risk in rice cultivation along the upper Amazon River." <i>Natural Hazards</i> 87(1): 165-184.	Peru	Crop	2017
96	Ullah. R., Shivakoti. G. P, Zulfiqar. F, Iqbal. M. N, & Shah. A. A. 2017. "Disaster risk management in agriculture: tragedies of the smallholders." <i>Natural Hazards</i> 87(3): 1361-1375.	Pakistan	Crop	2017
97	Stoneman. Z., & Jinnah. H. 2016. "Farm Families: Gendered Perceptions of Youth Safety and Injury Vulnerability." <i>Sex Roles</i> 76(3-4): 250-263.	United States	Mixed	2016
98	Cui. B., Liao. Q, Lam. W. W. T, Liu. Z. P, & Fielding. R. 2017. "Avian influenza A/H7N9 risk perception, information trust and adoption of protective behaviours among poultry farmers in Jiangsu Province, China." <i>BMC Public Health</i> 17(1): 463.	China	Animal	2017

No.	Articles	Countries	Production sectors	Year
99	Nahar. N., Uddin. M, Gurley. E.S, Khan. M. S. U, Hossain. M.J, Sultana. R, Luby. S.P. 2012. "Pig illnesses and epidemics: a qualitative study on perceptions and practices of pig raisers in Bangladesh." <i>Veterinaria Italiana</i> . 48(2): 157-165.	Bangladesh	Animal	2012
100	Schattman. R. E., Conner. D, & Méndez. V. E. 2016. "Farmer perceptions of climate change risk and associated on-farm management strategies in Vermont, northeastern United States." <i>Elementa: Science of the Anthropocene</i> 4	United States	Mixed	2016
101	Bhattarai. B., Fosgate. G.T, Osterstock. J. B, Park. S.C, Roussel. A.J. 2014. "Perceptions of veterinarians and producers concerning Johnes's disease prevalence and control in US beef cow-calf operations." <i>BMC Veterinary Research</i> 10: 27.	United States	Animal	2014
102	Brennan. M.L., Christley. R.M. 2013. "Cattle producers' perceptions of biosecurity." <i>BMC Veterinary Research</i> 9: 71.	England	Animal	2013
103	Teka. O., Leal Filho. W, Laurent Houessou. G, Oumorou. M, Vogt. J, & Sinsin. B. 2013. "An assessment of climate variation risks on agricultural production." <i>International Journal of Climate Change Strategies and Management</i> 5(2): 166-180.	Benin	Crop	2013
104	Lien. G., Flaten. O, Jervell. A. M, Ebbesvik. M, Koesling. M, Valle. P. S. 2006. "Management and Risk Characteristics of Part-Time and Full-Time Farmers in Norway." <i>Review of Agricultural Economics</i> 28(1): 111-131.	Norway	Mixed	2006
105	Dorji. N, Thinley. J, Wangdi. K, Rizal. K, Tshering. K, Cheda, Kibria. G, Rabgay. K, Dorji. Y. 2016. "Climatic trends, risk perceptions and coping strategies of smallholder cattle farmers in some villages of Bhutan." <i>Livestock Research for Rural Development</i> 28(11).	Bhutan	Animal	2016
106	Wilson. R. S., Tucker. M. A, Hooker. N. H, LeJeune. J. T, & Doohan. D. 2008. "Perceptions and Beliefs about Weed Management: Perspectives of Ohio Grain and Produce Farmers." <i>Weed Technology</i> 22(2): 339-350.	United States	Crop	2008
107	Maingi. N., Njoroge. G.K. 2010. "Constraints on production, disease perceptions and ticks and helminths control practices on dairy cattle farms in Nyandarua District, Kenya." <i>Livestock Research for Rural Development</i> 22(8)	Kenya	Animal	2010
108	Mehta. P.K. 2012. "Farmers' behaviour towards risk in production of fruit and vegetable crops." <i>Journal of Rural Development</i> 31(4): 457-468.	India	Crop	2012
109	Tudor. K., Spaulding. A, D. Roy. K, & Winter. R. 2014. "An analysis of risk management tools utilized by Illinois farmers." <i>Agricultural Finance Review</i> 74(1): 69-86.	United States	Crop	2014
110	Smith. B., Taylor. M, Thompson. K. 2015. "Risk perception, preparedness and response of livestock producers to bushfires: a South Australian case study." <i>Australian Journal of Emergency Management</i> 30(2): 38-42.	Australia	Animal	2015
111	Akcaoz. H., & Ozkan. B. 2005. "Determining risk sources and strategies among farmers of contrasting risk awareness: A case study for Cukurova region of Turkey." <i>Journal of Arid Environments</i> 62(4): 661-675.	Turkey	Crop	2005
112	Alamerie. K, Ketema. M, Gelaw. F, 2014. "Risks in vegetables production from the perspective of smallholder farmers: The case of Kombolcha Woreda, Oromia region, Ethiopia." <i>Agriculture, Forestry and Fisheries</i> 3(6-1): 1-5.	Ethiopia	Crop	2014
113	Ali. J., and Kapoor. S. 2008. "Farmers' Perception on Risks in Fruits and Vegetables Production: An Empirical Study of Uttar Pradesh." <i>Agricultural Economics Research Review</i> 21: 317-326.	India	Crop	2008
114	Awan. M. I, Oort. P. J. V, Ahmad. R, Bastiaans. L, Meinke. H. 2015. "Farmers' views on the future prospects of aerobic rice culture in Pakistan." <i>Land Use Policy</i> 42: 517-526.	Pakistan	Crop	2015

No.	Articles	Countries	Production sectors	Year
115	Akcaoz. H., Ozcatalbas. O, Kizilay. H. 2009. "Risk management and sustainability in banana production: A case study from Turkey." <i>Journal of Food, Agriculture & Environment</i> 7 (2): 283-294.	Turkey	Crop	2009
116	Baruwa. O. I., Masuku. M.B, Alimi. T.2015. "Managing Farm Risk: Issues and Strategies in Plantain Production in Osun State, Nigeria." <i>International Journal of Horticulture</i> 5(10): 1-7.	Nigeria	Crop	2015
117	Berentsen. P. B. M., Kovacs. K, Van Asseldonk. M. A. P. M. 2012. "Comparing risk in conventional and organic dairy farming in the Netherlands: an empirical analysis." <i>Journal of Dairy Science</i> 95 (7): 3803-3811.	Netherlands	Animal	2012
118	Boggess. W. G., Anaman. K. A., Hanson. G. D., 1985. "Importance, causes, and management responses to farm risks: evidence from Florida and Alabama." <i>Southern Journal of Agricultural Economics</i> 17(2): 105-116.	United States	Mixed	1985
119	Borges. J. A. R., Machado. J. A. D., 2012. "Risks and Risk Management Mechanisms: An Analysis of the Perceptions of Producers of Agricultural Commodities." <i>Interdisciplinary Journal of Research in Business</i> 2(5): 27-39.	Brazil	Crop	2012
120	Chong. M.2005. "Perception of the risks and benefits of Bt eggplant by Indian farmers." <i>Journal of Risk Research</i> 8 (7-8): 617-634.	India	Crop	2005
121	Clay. L., Hay-Smith. J, Treharne. G, & Milosavljevic. S. 2016. "There are risks to be taken and some just push it too far": how farmers perceive quad-bike incident risk." <i>Australian and New Zealand Journal of Public Health</i> 40(1): 55-61.	New Zealand	Animal	2016
122	Chengappa. P. G., Devika. C. M, & Rudragouda. C. S. 2017. "Climate variability and mitigation: perceptions and strategies adopted by traditional coffee growers in India." <i>Climate and Development</i> 9(7): 593-604.	India	Crop	2017
123	Rao. K. P. C., Ndegwa. W. G, Kizito. K., & Oyoo. A. 2011. "Climate Variability and Change: Farmer Perceptions and Understanding of Intra-Seasonal Variability in Rainfall and Associated Risk in Semi-Arid Kenya." <i>Experimental Agriculture</i> 47(02): 267-291.	Kenya	Crop	2011
124	Richert. R. M, Cicconi. K. M, Gamroth. M. J, Schukken. Y. H, Stiglbauer. K. E, & Ruegg. P. L. 2013. "Perceptions and risk factors for lameness on organic and small conventional dairy farms." <i>Journal of Dairy Science</i> 96(8): 5018-5026.	United States	Animal	2013
125	Ritter. C., Jansen. J, Roth. K, Kastelic. J. P, Adams. C. L, & Barkema. H. W. 2016. "Dairy farmers' perceptions toward the implementation of on-farm Johne's disease prevention and control strategies." <i>Journal of Dairy Science</i> 99(11): 9114-9125.	Canada	Animal	2016
126	Cullen. A. C., & Anderson. C. L. 2017. "Perception of Climate Risk among Rural Farmers in Vietnam: Consistency within Households and with the Empirical Record." <i>Risk Analysis</i> 37(3): 531-545.	Vietnam	Mixed	2017
127	Damalas. C. A., & Koutroubas. S. D. 2014. "Determinants of farmers' decisions on pesticide use in oriental tobacco: a survey of common practices." <i>International Journal of Pest Management</i> 60(3): 224-231.	Greece	Crop	2014
128	Winsen F, V., Mey. Y. D, Lauwers. L, Passel. S. V, Mark Vancauteran. M, Wauters. E, 2014. "Cognitive mapping: A method to elucidate and present farmers' risk perception." <i>Agricultural Systems</i> 122: 42-52.	Belgium	Mixed	2014
129	Duinen. R., Filatova. T, Geurts. P, & Veen. A. 2015. "Empirical analysis of farmers' drought risk perception: objective factors, personal circumstances, and social influence." <i>Risk Analysis</i> 35(4): 741-755.	Netherlands	Crop	2015

No.	Articles	Countries	Production sectors	Year
130	Elkin. P.D. 2007. "Perceptions of Risk, Stressors, and Locus of Control Influence Intentions to Practice Safety Behaviors in Agriculture." <i>Journal of Agromedicine</i> 12(4): 7-25.	Mexico, Guatemala, Honduras	Crop	2007
131	Abid. M, Scheffran. J, Schneider. U. A, & Ashfaq. M. 2015. "Farmers' perceptions of and adaptation strategies to climate change and their determinants: the case of Punjab province, Pakistan." <i>Earth System Dynamics</i> 6(1): 225-243.	Pakistan	Crop	2015
132	Tzouramani. I., Alexopoulos. G, Kostianis. G, Kazakopoulos. L., 2013. "Exploring risk management strategies for organic farmers: A Greek case study." <i>Renewable Agriculture and Food Systems</i> 29(2): 167-175.	Greece	Crop	2013
133	Zwickle, S., Wilson. R, Bessette. D, Herms. C, & Doohan. D, 2016. "Facilitating ecological weed management decisions by assessing risk-benefit tradeoffs." <i>Agroecology and Sustainable Food Systems</i> 40(7): 635-659.	United States	Crop	2016
134	Maye. D. 2017. "Geography matters: farmer perceptions of a voluntary TB risk-based trading system." <i>Veterinary Record</i> 180(6): 146-147.	England	Animal	2017
135	Knutson. C. L., Haigh. T, Hayes. M. J, Widhalm. M, Nothwehr. J, Kleinschmidt. M, & Graf. L. 2011. "Farmer perceptions of sustainable agriculture practices and drought risk reduction in Nebraska, USA." <i>Renewable Agriculture and Food Systems</i> 26(03): 255-266.	United States	Crop	2011
136	Swe. L. M. M., Shrestha. R. P, Ebberts. T, & Jourdain. D. 2015. "Farmers' perception of and adaptation to climate-change impacts in the Dry Zone of Myanmar." <i>Climate and Development</i> 7(5): 437-453.	Myanmar	Crop	2015
137	Kishi. M., 2002. "Farmers' perceptions of pesticides, and resultant health problems from exposures." <i>International Journal of Occupational and Environmental Health</i> 8(3): 175-181.	Indonesia	Crop	2002
138	Palis. F. G., Flor. R. J, Warburton. H. & Hossain. M. 2006. "Our farmers at risk: behaviour and belief system in pesticide safety." <i>Journal of Public Health (Oxford)</i> 28(1): 43-48.	Philippines	Crop	2006
139	Fujisawa. M., Kobayashi. K., 2013. "Shifting from apple to peach farming in Kazuno, northern Japan: perceptions of and responses to climatic and non-climatic impacts." <i>Regional Environmental Change</i> 13(6): 1211-1222.	Japan	Crop	2013
140	Gebreegziabher. K., Tadesse. T. 2014. "Risk perception and management in smallholder dairy farming in Tigray, Northern Ethiopia." <i>Journal of Risk Research</i> 3: 367-381.	Ethiopia	Animal	2014
141	Hall. D. C., Knight. T. O., Coble. K. H., Baquet. A. E., Patrick. G. F. 2003. "Analysis of Beef Producers' Risk Management Perceptions and Desire for Further Risk Management Education." <i>Review of Agricultural Economics</i> 25(2): 430-448.	United States	Animal	2003
142	Perry. M.J., Bloom. F.R. 1998. "Perceptions of Pesticide Associated Cancer Risks among Farmers: A Qualitative Assessment." <i>Human Organization</i> 57(3): 342-349.	United States	Crop	1998
143	Joshi. B., Ji. W, & Joshi. N. B. 2017. "Farm households' perception on climate change and adaptation practices." <i>International Journal of Climate Change Strategies and Management</i> . 9(4): 433-445.	Nepal	Crop	2017

No.	Articles	Countries	Production sectors	Year
144	Oo. T. A., Van Huylenbroeck. G., & Speelman. S. 2017. "Determining factors for the application of climate change adaptation strategies among farmers in Magwe District, dry zone region of Myanmar." <i>International Journal of Climate Change Strategies and Management</i> 9(1): 36-55.	Myanmar	Crop	2017
145	Jin. J., Wang. W, He. R, & Gong. H. 2016. "Pesticide Use and Risk Perceptions among Small-Scale Farmers in Anqiu County, China." <i>International Journal of Environmental Research and Public Health</i> 14(1)	China	Crop	2016
146	Jankelova.N, Masar. D, Moricova. S. 2017. "Risk factors in the agriculture sector." <i>Agric. Econ. – Czech</i> , 63(6): 247–258.	Slovakia	Crop	2017
147	Bagheri. A, Fami. H. S. 2016. "Potato Growers' Risk Perception: A Case Study in Ardabil Province of Iran." <i>Journal of Agricultural Science Technology</i> 18: 55-65.	Iran	Crop	2016
148	Jirgi. A. J., Grove. B, Jordaan. H, Viljoen. M. F, Nmadu. J. N. 2015. "Sources of Risk and Management Strategies as Perceived by Monocrop and Intercrop Farmers in Kebbi State, Nigeria." <i>Asian Journal of Agricultural Extension, Economics and Sociology</i> 6(1): 34-44.	Nigeria	Crop	2015
149	Morton. L. W., Roesch-McNally. G, & Wilke. A. K. 2017. "Upper Midwest farmer perceptions: Too much uncertainty about impacts of climate change to justify changing current agricultural practices." <i>Journal of Soil and Water Conservation</i> 72(3): 215-225.	United States	Crop	2017
150	Kiama. T.N., Lindahl. J.F, Sirma. A.J, Senerwa. D.M, Waithanji. E.M, Ochungo. P.A, Poole. E.J., Kang. E.K., Grace. D. 2016. "Kenya dairy farmer perception of moulds and mycotoxins and implicatio for exposures to aflatoxins: A gender analysis." <i>African Journal of food, agriculture, nutrition and development</i> 16(3): 11106-11125.	Kenya	Animal	2016
151	Kisaka-Lwayo. M., Obi. A., 2012. "Risk perceptions and management strategies by smallholder farmers in KwaZulu-Natal Province, South Africa." <i>International Journal of Agricultural Management</i> 1(3): 28-39.	South Africa	Mixed	2012
152	Kabir. M. I, Rahman. M. B, Smith. W., Lusha. M. A, Azim. S, & Milton. A. H. 2016. "Knowledge and perception about climate change and human health: findings from a baseline survey among vulnerable communities in Bangladesh." <i>BMC Public Health</i> 16: 266.	Bangladesh	Mixed	2016
153	Salazar. K., Vargas. J, Christian. Barrantes. C., 2016. "Perception to climate change of dairy farmers from Mantaro Valley, Junín." <i>Livestock Research for Rural Development</i> 28(11)	Peru	Animal	2016
154	Mannon. S. E., 2005. "Risk Takers, Risk Makers: Small Farmers and Non-Traditional Agro-Exports in Kenya and Costa Rica." <i>Human Organization</i> 64(1): 16-27.	Kenya, Costa Rica	Crop	2005
155	Martin. S., 1996. "Risk management strategies in New Zealand Agriculture and Horticulture." <i>Review of Marketing and Agricultural Economics</i> 64(1): 31-44.	New Zealand	Mixed	1996
156	Meuwissen. M.P.M., Huirne. R.B.M, Hardaker. J. B. 2001. "Risk and risk management: an empirical analysis of Dutch livestock farmers." <i>Livestock Science</i> 69(1): 43-53.	Netherlands	Animal	2001

No.	Articles	Countries	Production sectors	Year
157	Schattman. R. E., Méndez. V. E, Merrill. S. C, & Zia. A. 2017. "Mixed methods approach to understanding farmer and agricultural advisor perceptions of climate change and adaptation in Vermont, United States." <i>Agroecology and Sustainable Food Systems</i> 42(2): 121-148.	United States	Mixed	2017
158	Sujakhu. N. M., Ranjitkar. S, Niraula. R. R, Pokharel. B. K., Schmidt-Vogt. D, & Xu. J. 2016. "Farmers' Perceptions of and Adaptations to Changing Climate in the Melamchi Valley of Nepal." <i>Mountain Research and Development</i> 36(1): 15-30.	Nepal	Crop	2016
159	Nábrádi. A., Madai. H. 2007. "Risk and risk management in Hungarian sheep production." <i>Applied Studies in Agribusiness and Commerce</i> 1(1): 61-65.	Hungary	Animal	2007
160	Nmadu. J. N., Eze. G.P, Jirgi. A.J. 2012. "Determinants of Risk Status of Small Scale Farmers in Niger State, Nigeria." <i>British Journal of Economics Management and Trade</i> 2(2): 92-108.	Nigeria	Crop	2012
161	Ochieng. J., Kirimi. L., & Makau. J. 2017. "Adapting to climate variability and change in rural Kenya: farmer perceptions, strategies and climate trends." <i>Natural Resources Forum</i> 41(4): 195-208.	Kenya	Mixed	2017
162	Jabbour. R., Gallandt. E. R, Zwickle. S, Wilson. R. S, & Doohan. D. 2017. "Organic Farmer Knowledge and Perceptions are Associated with On-Farm Weed Seedbank Densities in Northern New England." <i>Weed Science</i> , 62(02): 338-349.	United States	Crop	2017
163	O'Connell. S., Grossman. J. M, Hoyt. G. D, Shi. W, Bowen. S, Marticorena. D. C, Creamer. N. G. 2014. "A survey of cover crop practices and perceptions of sustainable farmers in North Carolina and the surrounding region." <i>Renewable Agriculture and Food Systems</i> 30(06): 550-562.	United States	Crop	2014
164	Palmer. S., Sully. M, Fozdar. F., 2009. "Farmers, animal disease reporting and the effect of trust: A study of West Australian sheep and cattle farmers." <i>Rural Society</i> 19(1): 32-48.	Australia	Animal	2009
165	Panneerselvam. P., Halberg. N, Vaarst. M, Hermansen. J.E, 2011. "Indian farmers' experience with and perceptions of organic farming." <i>Renewable Agriculture and Food Systems</i> 27(2): 157-169.	India	Crop	2011
166	Patrick. G.R., Wilson. P.N, Barry. P.J, Boggess. W.G, Young. D.L. 1985. "Risk perceptions and management responses: Producer – generated hypothesis for risk modeling." <i>Southern Journal of Agricultural Economics</i> 17 (2): 231-238.	United States	Mixed	1985
167	Patrick. G.F., 1996. "Information sources and risk attitudes of large-scale farmers, farm managers, and agricultural bankers." <i>Agribusiness</i> 12(5): 461-471.	United States	Mixed	1996
168	Palinkas. P., Szekely. CS., 2008. "Farmer's risk perception and risk management practices in international comparison." <i>Bulletin of the Szent István Univ</i> 265-276.	Germany, Hungary, Poland, Spain, Netherlands	Mixed	2008
169	Jassogne. L., van Asten. P. J. A, Wanyama. I, & Baret. P. V. 2013. "Perceptions and outlook on intercropping coffee with banana as an opportunity for smallholder coffee farmers in Uganda," <i>International Journal of Agricultural Sustainability</i> 11(2): 144-158.	Uganda	Crop	2013
170	Nicol. R. M., Ortmann. G.F, Ferrer. S.R.D. 2007. "Perceptions of key business and financial risks by large-scale sugarcane farmers in KwaZulu-Natal in a dynamic socio- political environment." <i>Agrekon</i> 46(3): 351-370.	South Africa	Mixed	2007

No.	Articles	Countries	Production sectors	Year
171	Stockil. R.C., Ortmann. G.F. 1997. "Perceptions of risk among commercial farmers in Kwazulu-natal in a changing economic environment." <i>Agrekon</i> 36(2): 139-159.	South Africa	Mixed	1997
172	Peres. F., Rodrigues. K.M, Belo. M.S.S.P, Moreira. J. C, Claudio. L. 2013. "Design of Risk Communication Strategies Based on Risk Perception Among Farmers Exposed to Pesticides in Rio de Janeiro State, Brazil." <i>American Journal of Industrial Medicine</i> 56: 77-89.	Brazil	Crop	2013
173	Hashemi. S. M., Rostami. R, Hashemi. M. K, & Damalas. C. A. 2012. "Pesticide Use and Risk Perceptions among Farmers in Southwest Iran." <i>Human and Ecological Risk Assessment: An International Journal</i> 18(2): 456-470.	Iran	Crop	2012
174	Breukers. A., Asseldonk. M.V, Bremmer. J., Beekman. V., 2012. "Understanding Growers' Decisions to Manage Invasive Pathogens at the Farm Level." <i>Disease Control and Pest Management</i> 102(6): 609-619.	Netherlands	Crop	2012
175	Pollock. K.S., Fragar. L.J, Griffith. G.R. 2014. "Occupational Health and Safety on Australian Farms: Farmers' Perceptions of Major Hazards." <i>AFBM Journal</i> . 11.	Australia	Animal	2014
176	Regassa. N., & Stoecker. B. J. 2017. "Attitude and Risk Perceptions about Climate Change in Farming Communities in Southern Ethiopia." <i>Environmental Practice</i> 16(1): 29-36.	Ethiopia	Mixed	2017
177	Demiryürek. K., Ceyhan. V, & Bozoğlu. M. 2012. "Risk Attitudes of Organic and Conventional Hazelnut Producers in Turkey." <i>Human and Ecological Risk Assessment: An International Journal</i> 18(2): 471-482.	Turkey	Crop	2012
178	Peres. F., Moreira. J. C., Rodrigues. K. M., & Claudio. L. 2006. "Risk perception and communication regarding pesticide use in rural work: a case study in Rio de Janeiro State, Brazil." <i>International Journal of Occupational Medicine and Environmental Health</i> 12(4): 400-407.	Brazil	Crop	2006
179	Peterson. H. H., Kastens. T. L, & Ross. K. L. 2007. "Risks Perceived by Organic Grain Farmers in the Central USA." <i>Journal of Sustainable Agriculture</i> 31(1): 5-19.	United States	Crop	2007
180	Kungu. J. M., Dione. M. M, Ejobi. F, Ocaido. M, & Grace. D. 2017. "Risk factors, perceptions and practices associated with Taenia solium cysticercosis and its control in the smallholder pig production systems in Uganda: a cross-sectional survey." <i>BMC Infectious Diseases</i> 17(1): 1	Uganda	Animal	2017
181	Debela. N., Mohammed. C., Bridle. K, Corkrey. R, & McNeil. D. 2015. "Perception of climate change and its impact by smallholders in pastoral/agropastoral systems of Borana, South Ethiopia." <i>Springerplus</i> 4: 236.	Ethiopia	Crop	2015
182	Safi. A. S., Smith. W. J. & Liu. Z. 2012. "Rural Nevada and climate change: vulnerability, beliefs, and risk perception." <i>Risk Analysis</i> 32(6): 1041-1059.	United States	Animal	2012
183	Oladipo. J. A. 2015. "Seeing through the opaque glass, darkly: farmers' perception of climate change". <i>Climate and Development</i> 8(2): 122-132.	Nigeria	Animal	2015
184	Alemayehu. A., & Bewket. W. 2017. "Smallholder farmers' coping and adaptation strategies to climate change and variability in the central highlands of Ethiopia." <i>Local Environment</i> 22(7): 825-839.	Ethiopia	Mixed	2017

No.	Articles	Countries	Production sectors	Year
185	Fisher . M., Snapp. S. 2014. "Smallholder farmers' perceptions of drought risks and adoption of modern maize in Southern Malawi." <i>Experimental Agriculture</i> 50(4):533-548.	Malawi	Crop	2014
186	Mardero. S., Schmook. B, Radel. C, Christman. Z, Lawrence. D, Millones. M, Nickl. E, Rogan. J, Schneider. L. 2015. "Smallholders' adaptations to droughts and climatic variability in southeastern Mexico." <i>Environmental Hazards</i> 14(4): 271-288.	Mexico	Crop	2015
187	Lindahl. C, Lundqvist. P, Norberg. A.L. 2012. "Swedish Dairy Farmers' Perceptions of Animal- Related Injuries." <i>Journal of Agromedicine</i> 17: 364–376.	Sweden	Animal	2012
188	Wang. Y.J, Chen. X.H. 2015. "Understanding Farmers' Perceptions and Risk Responses to Climate Change in China." <i>Frontiers of Engineering Management</i> DOI 10.15302/J-FEM-2015050	China	Mixed	2015
189	Ndamani. F., & Watanabe, T. 2017. "Determinants of Farmers' Climate Risk Perceptions in Agriculture—A Rural Ghana Perspective." <i>Water</i> 9(3): 210.	Ghana	Crop	2017
190	Wauters. E., Winsen. F.V, Mey. Y.D, Lauwers. L., 2014. "Risk perception, attitudes towards risk and risk management: evidence and implications." <i>Agricultural Economics</i> 60(9): 389-405.	Belgium	Mixed	2014
191	Wilson. P.N., Luginsland. T.R, Armstrong. D.V, 1987. "Risk perceptions and management responses of Arizona dairy producers." <i>Dairy Science</i> 71: 545-551.	United States	Animal	1987
192	Zink. A, Wurstbauer. D, Rotter. M, Wildner. M, & Biedermann. T. 2017. "Do outdoor workers know their risk of NMSC? Perceptions, beliefs and preventive behaviour among farmers, roofers and gardeners." <i>European Academy of Dermatology and Venereology</i> 31(10): 1649-1654.	Germany	Mixed	2017
193	Neubert. M. S., Karukunchit. U, & Puntumetakul. R. 2017. "Identification of influential demographic and work-related risk factors associated to lower extremity pain perception among rice farmers." <i>Work</i> 58(4): 489-498.	Thailand	Crop	2017
194	Taattola. K., Rautiainen. R.H, Karttunen. J.P, Suutarinen. J, Viluksela. M.K, Louhelainen. K, Mäittälä. J. 2012. "Risk Factors for Occupational Injuries among Full-Time Farmers in Finland." <i>Journal of Agricultural Safety and Health</i> 18(2): 83-93.	Finland	Animal	2012
195	Sorensen. J.A., May. J.J, Jenkins. P.L, Jones. A.M, Earle-Richardson. G.B. 2006. "Risk Perceptions, Barriers, and Motivators to Tractor ROPS Retrofitting in the New York State Farm Community." <i>Journal of Agricultural Safety and Health</i> 12(3): 215–226.	United States	Mixed	2006
196	Arcury. T.A. 1995. "Risk perceptions of occupational hazards among black farmers in the Southern United States." <i>Rural Health Research</i> . 11(4): 240-250.	United States	Mixed	1995
197	Oladele, O.I., Antwi, M.A, Kolawole. A.E, 2013. "Factors affecting livestock farmers perception of risk of disease in along villages along South Africa and Namibia." <i>Journal of Animal and Veterinary Advances</i> 12(2): 173-176.	South Africa, Namibia	Animal	2013

Table S2. Spearman tests between market risks and risk management strategies ($n = 93$; r^2 . Coefficients).

Strategies \ Risks	<i>Weather</i>	<i>Biosecurity</i>	<i>Human</i>	<i>Market</i>	<i>Financial</i>	<i>Institutional</i>	<i>Technology</i>
Pest/disease monitoring and prevention	-0.312 **	0.310 **	0.196	0.18	0.272 **	0.272 **	0.366 **
Crop and animal diversification	0.426 **	0.101	0.253 *	0.406 **	0.419 **	0.322 **	0.305 **
Training and education	0.105	-0.031	0.038	0.034	-0.09	0.077	-0.062
Produce at lowest costs	-0.049	0.14	0.447 **	0.437 **	0.494 **	0.494 **	0.630 **
Off-farm work	0.326 **	0.295 **	0.280 **	0.365 **	0.289 **	0.344 **	0.355 **
Off-farm investment	0.231 *	0.287 **	0.406 **	0.505 **	0.501 **	0.624 **	0.555 **
Debt reduction	0.201	0.138	0.410 **	0.457 **	0.559 **	0.623 **	0.605 **
New technology adoption	0.285 **	0.074	0.007	0.253 *	0.105	0.105	0.004
Farm insurance	0.194	0.211 *	0.275 **	0.465 **	0.552 **	0.552 **	0.456 **
Update with government	0.093	0.035	0.248 *	0.241 *	0.236 *	0.236 *	0.257 *
Cooperation with other farmers	0.217 *	0.171	0.157	0.307 **	0.419 **	0.246 *	0.300 **
Extension services	0.077	0.192	0.196	0.188	0.212 *	0.294 **	0.269 **

Notes ** : Correlation is significant at the 0.01 level

* : Correlations is significant at the 0.05 level (2 - tailed).

Table S3. Socio-economic factors affecting farmers' perception of agricultural risk sources ($n = 35$). Note, many articles described more than one explanatory factor.

<i>Factors</i>	<i>Number</i>	<i>%</i>	<i>Examples</i>
Education levels	18	51	Better-educated farmers focused more on pests and diseases (Ullah, Shivakoti and Ali 2015).
Farmers' age	11	34	Age significantly influenced perception of risk sources (Debela et al 2015).
Gender	9	26	Male farmers have better awareness of the negative impact of pesticide on human health (Wang et al 2017).
Farm size	8	23	Those with larger farms had more funds to cope with risk (Boggess, Anaman and Hanson 1985).
Experience in farming	7	20	Fruit-growing experience is tested to have influence on the way farmers perceive detrimental effects of pesticides (Isin and Yildirim 2007).
Farm income	6	17	Farmers with higher incomes were less concerned about risk (Ullah, Shivakoti and Ali 2015).
Farm location	6	17	Location of the farm had an impact on farmers' perception of risk sources (Legesse and Drake 2005).

Table S4. Socio-economic factors affecting farmers' perception of agricultural risk management strategies ($n = 21$). Note, many articles described more than one explanatory factor.

<i>Factors</i>	<i>Number</i>	<i>%</i>	<i>Examples</i>
Education levels	13	62	Previous risk management education is one factor having an impact on farmers' perceptions (Hall et al 2003).
Farm size	10	48	Decision of farmers whether to adopt risk management strategies was affected by the size of their tobacco cultivation areas (Lu et al 2017).
Experience in farming	10	48	Experienced farmers worried less about insurance (Flaten et al. 2005). Greater farm experience reduced the consulting mechanism as they see consulting less relevant strategy (Borges and Machado 2012).
Farm income	7	33	Farm income is strong predictor of whether farmers choose management strategies (Tudor et al 2014).
Farm location	4	19	The distance to the market negatively affected farmers' adoption probability (Oo et al 2017).
Gender	4	19	Farmers' decision to adopt strategies depends on gender of participants (Joshi et al 2017).
Farm ownership	3	14	Larger proportion of farm owned explains farmers' lesser needs to adopt agricultural credit to manage farm (Ullah et al 2016).

Table S5: Barriers affecting farmers' management of agricultural risk sources ($n = 22$). Note, some articles described more than one barrier.

<i>Barriers</i>	<i>Number</i>	<i>%</i>	<i>Examples</i>
Limited information	15	68	Shortage of knowledge was found to have negative impact on farmers' adaption responses to climate variability in Kenya (Ochieng et al 2017).

Difficult loan access	10	45	Lack of capital was considered as one of the main barrier to maintain farmers' operation (Knutson et al 2011).
Limited institutional support	8	36	In South Australia, government support farmers to reduce drought risk is not as expected (Bahta et al 2016).
Lack of market mechanism (access and inputs)	7	32	Poor input supply is one of constraints that farmers face when trying to protect their crops (Tippe et al 2017).