

Litteraturoversigt - flere insekter i landskabet

- 1 Anne Eskildsen (2015) *Long-term effects of global change on the distribution, species richness, and life history of butterflies* . Aarhus University.
- 2 Bak, J. L. (2013) *Tålegrænser for dansk natur , DCE - Nationalt Center for Miljø og Energi* .
- 3 Bartomeus, I. *et al.* (2011) 'Climate-associated phenological advances in bee pollinators and bee-pollinated plants', *Proceedings of the National Academy of Sciences of the United States of America* . doi: 10.1073/pnas.1115559108.
- 4 Bauer, F. *et al.* (2014) 'Anbefalinger til minimering af pesticidtab fra marker som følge af overfladeafstrømning og erosion', *TOPPS* .
- 5 Beketov, M. A. *et al.* (2013) 'Pesticides reduce regional biodiversity of stream invertebrates', *Proceedings of the National Academy of Sciences of the United States of America* . doi: 10.1073/pnas.1305618110.
- 6 Biddinger, D. J. *et al.* (2013) 'Comparative Toxicities and Synergism of Apple Orchard Pesticides to *Apis mellifera* (L.) and *Osmia cornifrons* (Radoszkowski)', *PLoS ONE* . doi: 10.1371/journal.pone.0072587.
- 7 Bowler, D. E. *et al.* (2019) 'Long-term declines of European insectivorous bird populations and potential causes', *Conservation Biology* . doi: 10.1111/cobi.13307.
- 8 Bredsdorff, M. (2018) 'Trods EU-forbud vil Danmark bruge bidræber-pesticid på sukkerroer', *Ingeniøren* .
- 9 Breed, G. A., Stichter, S. and Crone, E. E. (2013) 'Climate-driven changes in northeastern US butterfly communities', *Nature Climate Change* . doi: 10.1038/nclimate1663.
- 10 Brereton, T. *et al.* (2011) 'The development of butterfly indicators in the United Kingdom and assessments in 2010', *Journal of Insect Conservation* . doi: 10.1007/s10841-010-9333-z.
- 11 Brooks, D. R. *et al.* (2012) 'Large carabid beetle declines in a United Kingdom monitoring network increases evidence for a widespread loss in insect biodiversity', *Journal of Applied Ecology* . doi: 10.1111/j.1365-2664.2012.02194.x.
- 12 Brøndegård, V. J. (1985) *Folk og Fauna 1* .
- 13 Baattrup-Pedersen, A., Larsen, S. E. and Riis, T. (2002) 'Long-term effects of stream management on plant communities in two Danish lowland streams', *Hydrobiologia* . doi: 10.1023/A:1021296519187.
- 14 Baattrup-Pedersen, A., Larsen, S. E. and Riis, T. (2003) 'Composition and richness of macrophyte communities in small Danish streams - Influence of environmental factors and weed cutting', *Hydrobiologia* . doi: 10.1023/A:1025442017837.
- 15 Carvalheiro, L. G. *et al.* (2019) 'Soil eutrophication shaped the composition of pollinator assemblages during the past century', *Ecography* . doi: 10.1111/ecog.04656.
- 16 Céréghino, R. *et al.* (2008) 'Biodiversity and distribution patterns of freshwater invertebrates in farm ponds of a south-western French agricultural landscape', in *Hydrobiologia* . doi: 10.1007/s10750-007-9219-6.
- 17 *Conservation Agriculture* (2019). Available at: <http://www.conservationagriculture.dk/> (Accessed: 12 December 2019).
- 18 Correll, D. L. (1998) 'The role of phosphorus in the eutrophication of receiving waters: A review', in *Journal of Environmental Quality* . doi: 10.2134/jeq1998.00472425002700020004x.
- 19 Deutsch, C. A. *et al.* (2008) 'Impacts of climate warming on terrestrial ectotherms across latitude', *Proceedings of the National Academy of Sciences* . doi: 10.1073/pnas.0709472105.
- 20 Dicks, L. V. *et al.* (2015) 'How much flower-rich habitat is enough for wild pollinators? Answering a key policy question with incomplete knowledge', *Ecological Entomology* . doi: 10.1111/een.12226.
- 21 Diehl, E. *et al.* (2013) 'Management intensity and vegetation complexity affect web-building spiders and their prey', *Oecologia* . doi: 10.1007/s00442-013-2634-7.
- 22 Ehrenfeld, J. G. (2010) 'Ecosystem Consequences of Biological Invasions', *Annual Review of Ecology, Evolution, and Systematics* . doi: 10.1146/annurev-ecolsys-102209-144650.
- 23 Ejrnæs, R. *et al.* (2011) *Danmarks Biodiversitet 2010 - status, udvikling og trusler* .
- 24 Ellermann, T. *et al.* (2019) *Atmosfærisk deposition 2017* .
- 25 Esbjerg, P. and Petersen, Bo, S. (2002) 'Effects of reduced pesticide use on flora and fauna in agricultural fields', *Pesticides Research* , 58.
- 26 Evans, K. L., Wilson, J. D. and Bradbury, R. B. (2007) 'Effects of crop type and aerial invertebrate abundance on foraging barn swallows *Hirundo rustica*', *Agriculture, Ecosystems and Environment* . doi: 10.1016/j.agee.2007.01.015.
- 27 Forister, M. L. *et al.* (2016) 'Increasing neonicotinoid use and the declining butterfly fauna of lowland California', *Biology Letters* . doi: 10.1098/rsbl.2016.0475.
- 28 Fox, R. *et al.* (2015) *The State of the UK's Butterflies 2015 , Butterfly Conservation and the Centre for Ecology & Hydrology* .
- 29 Frostholm, A. B., Schjælde, J. and Holmstrup, G. (2016) *Sådan Ligger Landet... - Tal om Naturen 2016* . København Ø.
- 30 Fürst, M. A. *et al.* (2014) 'Disease associations between honeybees and bumblebees as a threat to wild pollinators', *Nature* . doi: 10.1038/nature12977.
- 31 Gallai, N. *et al.* (2009) 'Economic valuation of the vulnerability of world agriculture confronted with pollinator decline', *Ecological Economics* . doi: 10.1016/j.ecolecon.2008.06.014.
- 32 Ganser, D., Knop, E. and Albrecht, M. (2019a) 'Sown wildflower strips as overwintering habitat for arthropods: Effective measure or ecological trap?', *Agriculture, Ecosystems and Environment* . doi: 10.1016/j.agee.2019.02.010.
- 33 Genersch, E. *et al.* (2006) 'Detection of Deformed wing virus, a honey bee viral pathogen, in bumble bees (*Bombus terrestris* and *Bombus pascuorum*) with wing deformities', *Journal of Invertebrate Pathology* . doi: 10.1016/j.jip.2005.10.002.
- 34 Goulet, H. and Masner, L. (2017) 'Impact of herbicides on the insect and spider diversity in eastern Canada', *Biodiversity* . doi: 10.1080/14888386.2017.1351398.
- 35 Goulson, D. (2013) 'An overview of the environmental risks posed by neonicotinoid insecticides', *Journal of Applied Ecology* . doi: 10.1111/1365-2664.12111.
- 36 Goulson, D. (2014) 'Ecology: Pesticides linked to bird declines', *Nature* . doi: 10.1038/nature13642.
- 37 Goulson, D. *et al.* (2015) 'Bee declines driven by combined Stress from parasites, pesticides, and lack of flowers', *Science* . doi: 10.1126/science.1255957.
- 38 Grab, H. *et al.* (2018) 'Landscape context shifts the balance of costs and benefits from wildflower borders on multiple ecosystem services', *Proceedings of the Royal Society B: Biological Sciences* . doi: 10.1098/rspb.2018.1102.
- 39 Hallmann, C. A. *et al.* (2014) 'Declines in insectivorous birds are associated with high neonicotinoid concentrations', *Nature* . doi: 10.1038/nature13531.
- 40 Hallmann, C. A. *et al.* (2017) 'More than 75 percent decline over 27 years in total flying insect biomass in protected areas', *PLoS ONE* . doi: 10.1371/journal.pone.0185809.
- 41 Hilty, J. and Merenlender, A. (2000) 'Faunal indicator taxa selection for monitoring ecosystem health', *Biological Conservation* . doi: 10.1016/S0006-3207(99)00052-X.
- 42 Holland, J. M. (2004) 'The environmental consequences of adopting conservation tillage in Europe: Reviewing the evidence', *Agriculture, Ecosystems and Environment* . doi: 10.1016/j.agee.2003.12.018.
- 43 Holland, J. M. and Reynolds, C. J. M. (2003) 'The impact of soil cultivation on arthropod (Coleoptera and Araneae) emergence on arable land', *Pedobiologia* . doi: 10.1078/0031-4056-00181.
- 44 Jonsson, M. *et al.* (2015) 'Experimental evidence that the effectiveness of conservation biological control depends on landscape complexity', *Journal of Applied Ecology* . doi: 10.1111/1365-2664.12489.
- 45 Kassam, A. *et al.* (2009) 'The spread of conservation agriculture: Justification, sustainability and uptake', *International Journal of Agricultural Sustainability* . doi: 10.3763/ijas.2009.0477.
- 46 Kristensen, E. A. *et al.* (2014) *Virkemidler til forbedring af de fysiske forhold i vandløb* .
- 47 Landbrugsstyrelsen (2019) *Vejledning om grundbetaling 2019 og generel vejledning om at søge direkte arealstøtte* .
- 48 Lövei, G. L., Toft, S. and Axelsen, J. a (2003) 'Composition and diversity of spring-active carabid beetle assemblages in relation to soil management in organic wheat fields in Denmark', *Proceedings of the 11th European Carabidologist Meeting* .
- 49 Maes, D. and Van Dyck, H. (2001) 'Butterfly diversity loss in Flanders (north Belgium): Europe's worst case scenario?', *Biological Conservation* . doi: 10.1016/S0006-3207(00)00182-8.
- 50 Marshall, E. J. P. *et al.* (2003) 'The role of weeds in supporting biological diversity within crop fields', *Weed Research* . doi: 10.1046/j.1365-3180.2003.00326.x.
- 51 Moshøj, C. M. *et al.* (2019) *Overvågning af de almindelige fuglearter i Danmark 1975-2018. Årsrapport for Punkttællingsprogrammet* .

- 52 Mulé, R. *et al.* (2017) 'Systematic Review of the Effects of Chemical Insecticides on Four Common Butterfly Families', *Frontiers in Environmental Science* . doi: 10.3389/fenvs.2017.00032.
- 53 Oddershede, A. *et al.* (2017) *Biodiversitet og økologisk rum i agerlandet - en undersøgelse af markvildttiltagenes biodiversitetseffekt* .
- 54 Ollerton, J. *et al.* (2014) 'Extinctions of aculeate pollinators in Britain and the role of large-scale agricultural changes', *Science* . doi: 10.1126/science.1257259.
- Ouvrard, P., Transon, J. and Jacquemart, A.-L. (2018) 'Flower-strip agri-environment schemes provide diverse and valuable summer flower resources for pollinating insects', *Biodiversity and Conservation* . Springer Netherlands, pp. 2193–2216. doi: 10.1007/s10531-018-1531-0.
- 56 Pearson, D. L. and Cassola, F. (1992) 'World-Wide Species Richness Patterns of Tiger Beetles (Coleoptera: Cicindelidae): Indicator Taxon for Biodiversity and Conservation Studies', *Conservation Biology* . doi: 10.1046/j.1523-1739.1992.06030376.x.
- 57 Potts, S. G. *et al.* (2010) 'Global pollinator declines: Trends, impacts and drivers', *Trends in Ecology and Evolution* . doi: 10.1016/j.tree.2010.01.007.
- 58 Powney, G. D. *et al.* (2019) 'Widespread losses of pollinating insects in Britain', *Nature Communications* . doi: 10.1038/s41467-019-08974-9.
- 59 Powney, G. D. *et al.* (2019) 'Widespread losses of pollinating insects in Britain', *Nature Communications* . Nature Publishing Group, 10(1), p. 1018. doi: 10.1038/s41467-019-08974-9.
- 60 Pywell, R. F. *et al.* (2015) 'Wildlife-friendly farming increases crop yield: evidence for ecological intensification', *Proceedings of the Royal Society B: Biological Sciences* . The Royal Society, 282(1816), p. 20151740. doi: 10.1098/rspb.2015.1740.
- 61 Roy, H. E. and Brown, P. M. J. (2015) 'Ten years of invasion: *Harmonia axyridis* (Pallas) (Coleoptera: Coccinellidae) in Britain', *Ecological Entomology* . doi: 10.1111/een.12203.
- 62 Ruggiero, A. *et al.* (2008) 'Farm ponds make a contribution to the biodiversity of aquatic insects in a French agricultural landscape', *Comptes Rendus - Biologies* . doi: 10.1016/j.crv.2008.01.009.
- 63 Sánchez-Bayo, F. and Wyckhuys, K. A. G. (2019) 'Worldwide decline of the entomofauna: A review of its drivers', *Biological Conservation* . doi: 10.1016/j.biocon.2019.01.020.
- 64 Seibold, S. *et al.* (2019) 'Arthropod decline in grasslands and forests is associated with landscape-level drivers', *Nature* . doi: 10.1038/s41586-019-1684-3.
- 65 Soane, B. D. *et al.* (2012) 'No-till in northern, western and south-western Europe: A review of problems and opportunities for crop production and the environment', *Soil and Tillage Research* . doi: 10.1016/j.still.2011.10.015.
- 66 Stanley, D. A. and Raine, N. E. (2017) 'Bumblebee colony development following chronic exposure to field-realistic levels of the neonicotinoid pesticide thiamethoxam under laboratory conditions', *Scientific Reports* . doi: 10.1038/s41598-017-08752-x.
- 67 Strandberg, B. *et al.* (2019) *Pesticide effects on non-target terrestrial plants at individual, population and ecosystem level* , *Pesticide Research* . Silkeborg.
- 68 Søndergaard, M. *et al.* (2015) *Vejledning for gennemførelse af sørestaurering* .
- 69 Tamburini, G. *et al.* (2016) 'Conservation tillage mitigates the negative effect of landscape simplification on biological control', *Journal of Applied Ecology* . doi: 10.1111/1365-2664.12544.
- 70 Tison, L. *et al.* (2016) 'Honey Bees' Behavior is Impaired by Chronic Exposure to the Neonicotinoid Thiacloprid in the Field', *Environmental Science and Technology* . doi: 10.1021/acs.est.6b02658.
- 71 Van Der Sluijs, J. P. *et al.* (2015) 'Conclusions of the worldwide integrated assessment on the risks of neonicotinoids and fipronil to biodiversity and ecosystem functioning', *Environmental Science and Pollution Research* . doi: 10.1007/s11356-014-3229-5.
- 72 Weston, D. P. *et al.* (2014) 'Urban and agricultural pesticide inputs to a critical habitat for the threatened delta smelt (*Hypomesus transpacificus*)', *Environmental Toxicology and Chemistry* . doi: 10.1002/etc.2512.
- 73 Williams, P. H. and Osborne, J. L. (2009) 'Bumblebee vulnerability and conservation world-wide', *Apidologie* . doi: 10.1051/apido/2009025.
- 74 Wind, P. and Pihl, S. (red. . (2004) *Den danske rødliste* . , *Danmarks Miljøundersøgelser, Aarhus universitet* .
- 75 Wood, T. J., Holland, J. M. and Goulson, D. (2015) 'Pollinator-friendly management does not increase the diversity of farmland bees and wasps', *Biological Conservation* , 187, pp. 120–126. doi: 10.1016/j.biocon.2015.04.022.
- 76 Wood, T. J., Holland, J. M. and Goulson, D. (2017) 'Providing foraging resources for solitary bees on farmland: current schemes for pollinators benefit a limited suite of species', *Journal of Applied Ecology* . doi: 10.1111/1365-2664.12718.