

Management Recommendations/Importance of wild pollinators:

Crops, Weeds and Pollinators (FAO, 2015) <http://www.fao.org/3/a-i3821e.pdf>

Tools for Conservation and Use of Pollinator Services: Initial Survey of good practices (FAO, 2008)

http://www.fao.org/fileadmin/templates/agphome/documents/Biodiversity-pollination/SURVEY_DEC_08_Small.pdf

Button, Lindsey, and Elizabeth Elle. "Wild bumble bees reduce pollination deficits in a crop mostly visited by managed honey bees." *Agriculture, Ecosystems & Environment* 197 (2014): 255-263. <http://dx.doi.org/10.1016/j.agee.2014.08.004>

Lippert, Christian, Arndt Feuerbacher, and Manuel Narjes. "Revisiting the economic valuation of agricultural losses due to large-scale changes in pollinator populations." *Ecological Economics* 180: 106860. <https://doi.org/10.1016/j.ecolecon.2020.106860>

Claire Kremen recommended papers by Remans and DeClerck on the role of diversified agriculture in nutrition. Here are a few top results from a quick search:

Timler, Carl, et al. "Exploring solution spaces for nutrition-sensitive agriculture in Kenya and Vietnam." *Agricultural Systems* 180 (2020): 102774.

<https://doi.org/10.1016/j.agsy.2019.102774>

Estrada-Carmona, Natalia, et al. "A gendered ecosystem services approach to identify novel and locally-relevant strategies for jointly improving food security, nutrition, and conservation in the Barotse Floodplain." *International Journal of Agricultural Sustainability* 18.4 (2020): 351-375. <https://doi.org/10.1080/14735903.2020.1787618>

DeClerck, Fabrice AJ, et al. "Agricultural ecosystems and their services: the vanguard of sustainability?." *Current opinion in environmental sustainability* 23 (2016): 92-99.

<https://doi.org/10.1016/j.cosust.2016.11.016>

Remans, Roseline, et al. "Assessing nutritional diversity of cropping systems in African villages." *PLoS one* 6.6 (2011): e21235. <https://doi.org/10.1371/journal.pone.0021235>

Nutrition:

Ellis, Alicia M., Samuel S. Myers, and Taylor H. Ricketts. "Do pollinators contribute to nutritional health?." *PLoS One* 10.1 (2015): e114805. <https://doi.org/10.1371/journal.pone.0114805>

Chaplin-Kramer, Rebecca, et al. "Global malnutrition overlaps with pollinator-dependent micronutrient production." *Proceedings of the Royal Society B: Biological Sciences* 281.1794 (2014): 20141799. <https://doi.org/10.1098/rspb.2014.1799>

Brittain, Claire, et al. "Pollination and plant resources change the nutritional quality of almonds for human health." *PLoS One* 9.2 (2014): e90082.

<https://doi.org/10.1371/journal.pone.0090082>

Pesticides:

Kovács-Hostyánszki, Anikó, et al. "Ecological intensification to mitigate impacts of conventional intensive land use on pollinators and pollination." *Ecology Letters* 20.5 (2017): 673-689. <https://doi.org/10.1111/ele.12762>

IPBES (2016). The assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services on pollinators, pollination and food production. S.G. Potts, V. L. Imperatriz-Fonseca, and H. T. Ngo (eds). Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, Bonn, Germany. 552 pages. <https://ipbes.net/assessment-reports/pollinators>

Xavier, Vânia M., et al. "Acute toxicity and sublethal effects of botanical insecticides to honey bees." *Journal of Insect Science* 15.1 (2015). <https://doi.org/10.1093/jisesa/iev110>

Effects of climate change:

Soroye, Peter, Tim Newbold, and Jeremy Kerr. "Climate change contributes to widespread declines among bumble bees across continents." *Science* 367.6478 (2020): 685-688. <https://science.sciencemag.org/content/367/6478/685>

Kerr, Jeremy T., et al. "Climate change impacts on bumblebees converge across continents." *Science* 349.6244 (2015): 177-180. <https://science.sciencemag.org/content/349/6244/177.abstract>

Ziska, Lewis H., et al. "Rising atmospheric CO₂ is reducing the protein concentration of a floral pollen source essential for North American bees." *Proceedings of the Royal Society B: Biological Sciences* 283.1828 (2016): 20160414. <https://doi.org/10.1098/rspb.2016.0414>

Tol, Richard SJ. "The damage costs of climate change towards a dynamic representation." *Ecological Economics* 19.1 (1996): 67-90. [https://doi.org/10.1016/0921-8009\(96\)00041-9](https://doi.org/10.1016/0921-8009(96)00041-9)