

Hoe groot is eigenlijk de afname van aantallen insecten en waardoor komt dat?

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Brondizio, E.S., Settele, J., Díaz, S. en Ngo, H.T. (editors), 2019. Global Assessment Report on Biodiversity and Ecosystem Services van het IPBES (Intergovernmental Scienc-Policy Platform on Biodiversity and Ecosystem Services). IPBES secretariat, Bonn, Germany.

Hallmann, C.A., Sorg, M., Jongejans, E., Siepel, H., Hofland, N., Schwan, H., Stenmans, W., Müller, A., Sumser, H., Hörren, T., Goulson, D. en Kroon, H. de, 2017. More than 75 percent decline over 27 years in total flying insect biomass in protected areas. PLoS ONE 12(10):e0185809.

Kleijn, D., Bink, R.J. Braak, C.J.F. ter, Grunsven, R. van, Ozinga, W.A., Roessink, I. Scheper, J.A., Schmidt, A.M., Wallis de Vries, M.F., Wegman, R., Zee, F.F. van der en Zeegers, Th., 2018. Achteruitgang insectenpopulaties in Nederland: trends, oorzaken en kennislacunes. Wageningen Environmental Research, Rapport 2871. 86 blz.; 9 fig.; 8 tab.; 322 ref..

Kleijn, D. en Raemakers, I., 2008. A retrospective analysis of pollen host plant use by stable and declining bumble bee species. Ecology 89(7):1811-1823.

Klink, R. van, Bowler, D.E., Gongalsky, K.B., Swengel, A.B., Gentile, A. en Chase, J.M., 2020. Meta-analysis reveals declines in terrestrial but increases in freshwater insect abundances. Science 368(6489):417-420.

Sánchez-Bayo, F. en Wyckhuys, K.A.G., 2019. Worldwide decline of the entomofauna: A review of its drivers. Biological Conservation 232:8-27.

Scheper, J., Reemer, M., Kats, R. van, Ozinga, W.A., Linden, G.T.J. van der, Schaminée, J.H.J., Siepel, H. en Kleijn, D., 2014. Museum specimens reveal loss of pollen host plants as key factor driving wild bee decline in The Netherlands. PNAS 111(49):17552-17557.

Wagner, D.L., 2020. Insect declines in the Anthropocene. Annual Review of Entomology 65:457-480.