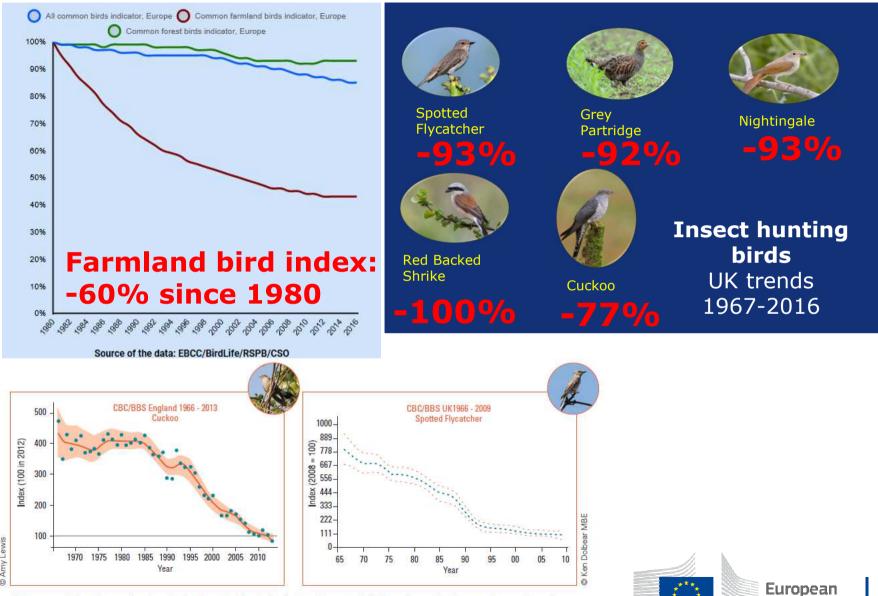


7th Symposium of PAN Europe, IBMA and IOBC

"Ecological transition starts with agronomy, increasing IPM uptake and reducing pesticide dependency"

Andreas Gumbert DG Environment Unit D1, Land Use and Management

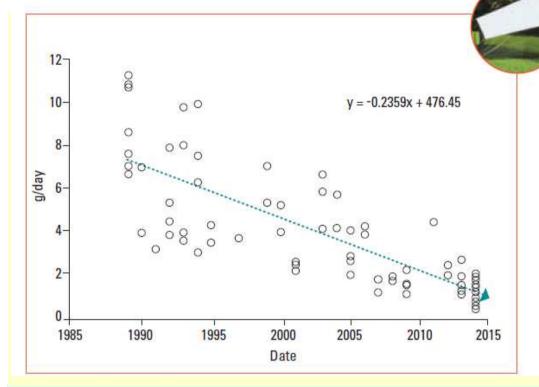
Diversity of farmland birds is declining



Commission

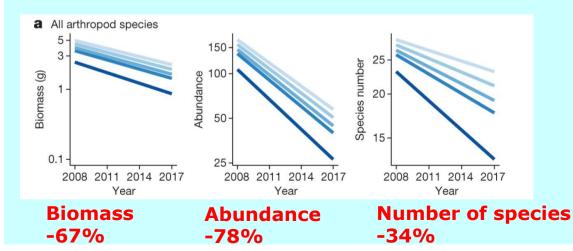
Data on population change of cuckoo (top) and spotted flycatcher (bottom), two specialist insectivores that have undergone dramatic declines over the last 50 years. Figures are from the British Trust for Ornithology.

Loss of insect biodiversity



Overall biomass of insects -76% in the 26-year period from 1989 to 2014

Hallman et al. 2017 German Nature Reserves



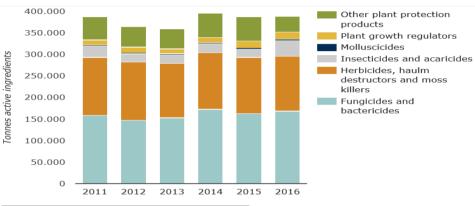
Losses are higher on intensively used land

Seibold et al. Nature 574, 671–674 (2019) Data from more than 1 million individual arthropods (about 2,700 species), from standardized inventories taken between 2008 and 2017 at 150 grassland and 140 forest sites in 3 regions of Germany. Grassland data shown.

Pesticide risk and use

Total pesticide sales stay constant over recent time but have grown historically

The harmonised risk indicator shows a downwards trend but the number of emergency authorisattions is increasing



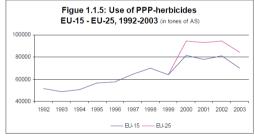
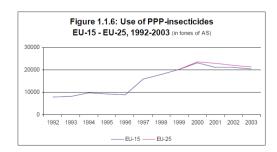
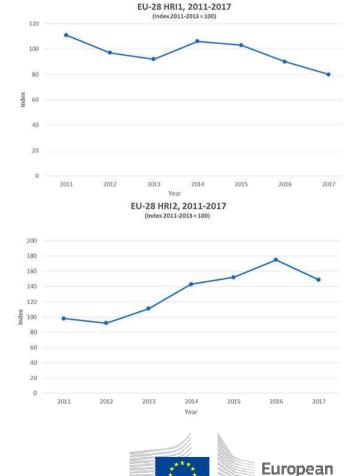


Figure 1. Total pesticides sales, EU

Eurostat Statistical Books: The use of plant protection products in the European Union Data 1992-2003 2007 edition





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