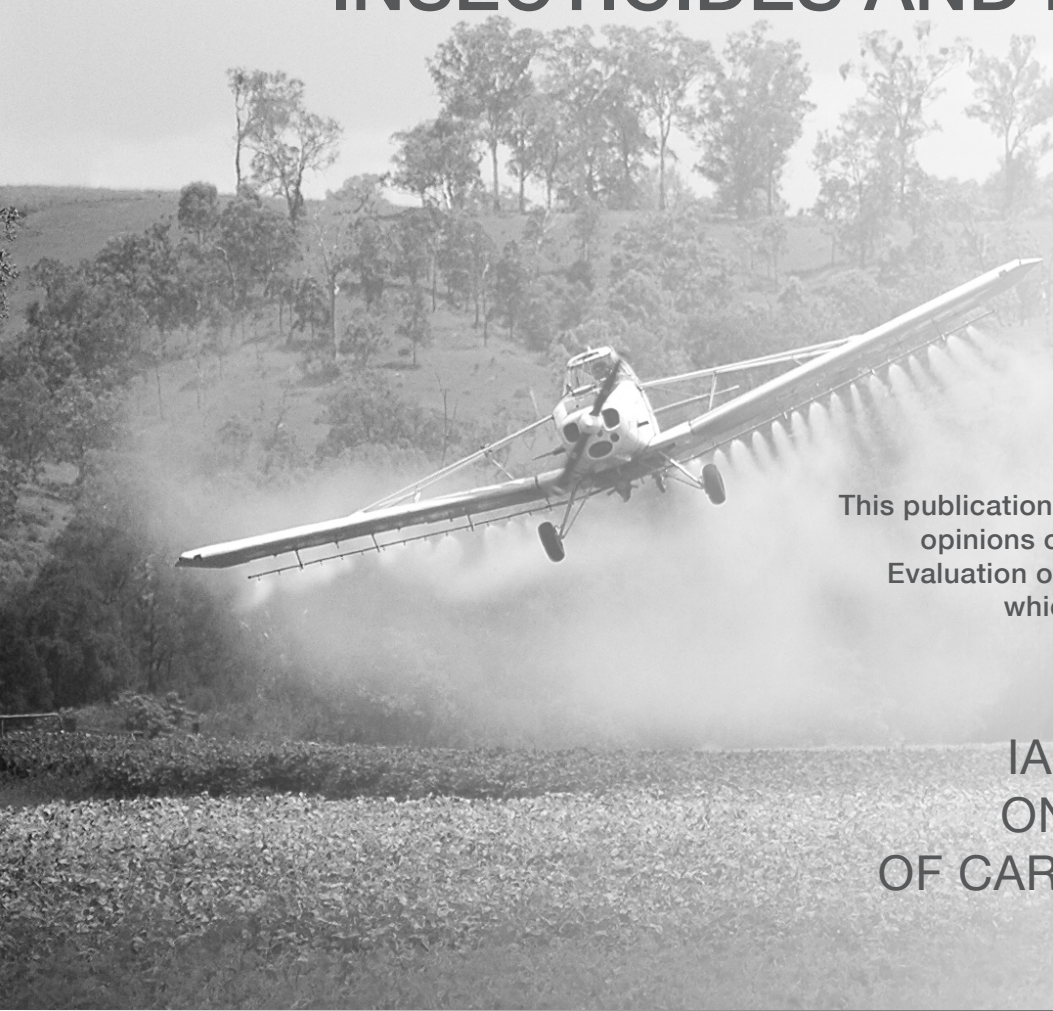
IARC MONOGRAPHS

SOME ORGANOPHOSPHATE INSECTICIDES AND HERBICIDES

VOLUME 112



This publication represents the views and expert opinions of an IARC Working Group on the Evaluation of Carcinogenic Risks to Humans, which met in Lyon, 3–10 March 2015

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IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS

International Agency for Research on Cancer

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ANNEX 1. SUPPLEMENTAL MATERIAL FOR TOXCAST/TOX21

This supplemental material (which is available online from http://monographs.iarc.fr/ENG/Monographs/vol112/index.php), contains a spreadsheet (.xlsx) and a zip folder containing several ToxPi software output files (.csv) analysed by the Working Group for Volume 112 of the *IARC Monographs*. The spreadsheet lists the ToxCast/Tox21 assay end-points, the associated target and/or model system (e.g. cell type, species, detection technology, etc.), their mapping to 7 of the 10 "key characteristics" of known human carcinogens, and the decision as to whether each chemical was "active" or "inactive" (EPA, 2015). The ToxPi files integrate the results by "key characteristic" and can be accessed using ToxPi software that is freely available for download without a licence (Reif et al., 2013).

References

EPA (2015). ToxCast & Tox21 Summary Files from invitrodb_v1. Washington (DC): Office of Research and Development. United States Environmental Protection Agency. Retrieved from http://www2.epa.gov/chemical-research/toxicity-forecaster-toxcasttm-data on 30 November 2015. Data released December 2014.

Reif DM, Sypa M, Lock EF, Wright FA, Wilson A, Cathey T et al. (2013). ToxPi GUI: an interactive visualization tool for transparent integration of data from diverse sources of evidence. *Bioinformatics*, 29(3):402–3. doi:10.1093/bioinformatics/bts686 PMID:23202747