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The effect of insecticides chlorpyrifos, α -cypermethrin and imidacloprid on primary DNA damage, *TP 53* and *c-Myc* structural integrity by comet-FISH assay

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- Extended-term 14-day lymphocyte cultures were set
- Life relevant concentrations of chlorpyrifos, α -cypermethrin, imidacloprid were tested
- No significant increase in primary DNA damage was determined by alkaline comet assay
- No significant effect on *TP 53* and *c-Myc* gene were observed by comet-FISH
- Low concentrations of tested insecticides showed no biologically relevant genotoxicity

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