

## Bayesian approach to the logistic model in the study of the herbicide Glyphosate in bees

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### Abstract

The logit model was adopted to verify the effect of different concentrations of glyphosate on bees after 96h. The estimates were performed by the BRugs software package, using informative and non-informative priori. A LD<sub>50</sub> of 1.57g of Roundup® (glyphosate) was obtained for each 100 mL of 50% aqueous sucrose solution.

**Keywords:** Binomial; logit; *Apis mellifera*; Round up.

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