

## ECOTOXICOLOGICAL STUDIES ON POLLINATORS



[www.testapi.fr](http://www.testapi.fr)

### ECOTOX (classic)



During more than 25 years of experience, we produced over 300 GLP ecotox studies on pollinators, mainly honeybees and bumblebees.

These include laboratory protocols and semi-field (tunnels) & field studies, following OECD guidelines, EFSA recommendations and French regulations.



**SEMI-FIELD / FIELD :**  
OECD 75, EFSA 2023,  
EPPO 1/170, CEB230 (FR)



**LABO :**  
OECD 213,  
214, 245

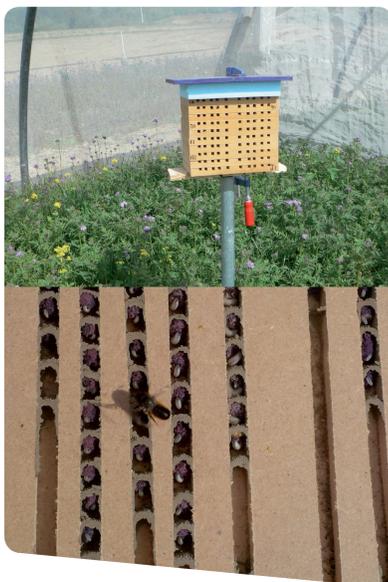


**LABO :** OECD 246, 247

**LABO :**  
OECD 254 **NEW**



**Ring-test SEMI-FIELD :**  
Mason bees, bumblebees



**Ring-test LABO :**  
Chronic toxicity, mason bees

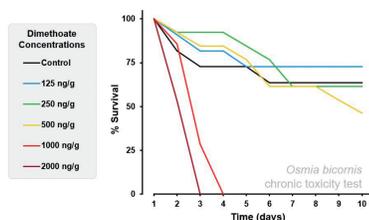


Figure 1. Survival of mason bees (*Osmia bicornis*) over 10 days of chronic dietary exposure to dimethoate at different concentrations. The test item was prepared in sucrose solution. (n = 15 to 19 bees per group/concentration).

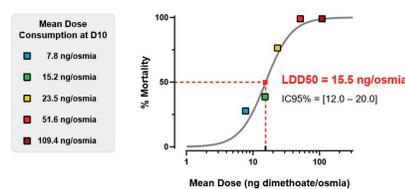


Figure 2. LDD50 (lethal dietary dose) of dimethoate on mason bees (*Osmia bicornis*) after 10 days of chronic dietary exposure. Determined through probit non-linear regression, with 95% confidence intervals (IC95).

### ECOTOX (present & future)



More recently, we also participated in ring-tests and guideline redactions for new GLP protocols, such as the honeybee homing flight test (OECD 332), the updated honeybee brood test under semi-field conditions (OECD 75), and solitary mason bees (*Osmia* sp.) acute contact toxicity test (OECD 254).

We are proactive in testing new methods and preparing for new guidelines, to be ready for the sponsors when ecotox regulatory test will be required.

Anticipating the future guidelines, we are currently developing and ring-testing solitary mason bees chronic oral toxicity exposure (see result graphs for the 2025 campaign) and semi-field toxicity tests on mason bees and bumblebees.

### RESIDUE



In parallel to ecotox studies at Testapi, we also manage and run GLP pan-European residue studies, over 800 GLP studies in 25 years. Many different aspects of residues are tested in agricultural matrices, dissipation, or operator exposure (for instance: seed treatments, dust drift, crop residue, soil, DFR/TTR, processing, rotational crop, post-harvest, pollen/nectar studies)



WE ARE HERE AT THE CONFERENCE! COME AND FIND US, AND LET'S TALK!

If we're not next to the poster, please contact us: [frederic.lebrun@testapi.fr](mailto:frederic.lebrun@testapi.fr) and [fabien.demares@testapi.fr](mailto:fabien.demares@testapi.fr)