

## Global Exposure Assessment Services

### Welcome to Eurofins Agroscience Services

We are a leading provider of product development consultancy and technical support to the crop protection industry. Our technical activities involve conducting field and laboratory studies to determine the safety and efficacy of a range of chemical substances, such as agrochemicals, and evaluation of crop varieties. With over 30 years of experience, Eurofins Agroscience Services offers outstanding technical knowledge and project management skills. By acquiring a carefully selected range of CRO's, we have created a unique portfolio of expertise that provides analytical, regulatory and field support to plant breeders, agrochemical, biopesticide, biocide and fine chemical manufacturers.

### A unique, 'Complete Solution' service provider for all your exposure and risk assessment needs

The Eurofins Agroscience Services group has a team of Study Directors and Exposure Assessment Scientists responsible for conducting exposure assessment studies to the highest standards anywhere in the world. We offer a fully bespoke service for these highly important studies.

With over 20 years of experience, our teams based in the UK and in the USA can evaluate Operator, Worker, Bystander and Residential exposure to crop protection, biocidal, industrial and consumer products on a global scale, with full GLP accreditation. With technical experts based in the EU and the USA we conduct studies OECD/GD (97) 148 and EPA Occupational and Residential Exposure Test Guidelines OPPTS series 875 with full confidence for our clients.



Our chemistry group, with state of the art equipped laboratories across the EU and in the USA, compliments our studies with vast knowledge in development of analytical methods for exposure matrices; active ingredients and metabolites.

Full validation of analytical methods with analytical study support, including LOQ determination.

Recently completed studies include:

- Hydraulic boom and broadcast air-assisted field sprayers; hand held application techniques with both lever operated and air-assisted knapsack sprayers for open field and protected cropping systems
- Potato, cereal and maize seed treatment – mobile and factory based
- Fumigation/smoke generator applications in flour mills and grain stores
- Granular and soil fumigant applications
- Inhalation exposure long term monitoring studies
- Worker re-entry exposure and DFR studies
- Residential exposure – dislodgeable and airborne residues

These studies included a range of monitoring techniques including:

- Passive Dosimetry (full body and patch dosimeters)
- Biomonitoring (for quantitative evaluation of actual absorbed dose)
- Long term air sampling (worker, bystander and residential evaluations)

### Supporting Studies

In addition to our extensive Operator based exposure studies, our team can offer a full range of supporting studies to aid your regulatory submissions and risk assessments;

- Dislodgeable Foliar Residue (DFR) – both traditional and DFR 'Lite' options
- Dermal penetration
- Turf transferrable residues
- 'Wash off' and surface dislodgeable environmental studies
- Animal fur transfer residues

### Full Service Capabilities

As well as our field technical and chemistry based exposure experts, the wider Eurofins Scientific group has expertise in preliminary risk screening, regulatory approval and risk assessment and modelling.

Eurofins Regulatory AG has a wide range of experience in ANNEX II and III reporting, performing hazard and risk assessment according to 1107/2009/EC and 98/8/EC, hazard identification and characterization, dose-response assessment, exposure estimation and exposure modelling, and risk characterization.

### Eurofins Scientific Group

Eurofins Scientific is a life sciences company that serves a wide range of industries including the pharmaceutical, agricultural, food and environmental sectors.

**Today the Eurofins Group is a leading provider of analytical services.**

**Eurofins Agrosience Services Group**

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