

One-stop service - world-class, worldwide

Global Exposure Assessment Services

Eurofins Agrosience Services

With over 30 years of experience in Crop Protection, Eurofins Agrosience Services is a global CRO offering exceptional technical knowledge, testing and regulatory consultancy to plant health and crop protection manufacturers, the agri-tech sector, plant breeders and the seed industry.

In a dynamic and complex regulatory environment, our priority is to support clients through every stage of the agrochemical registration process.

A unique, integrated, expert team and fully coordinated operations

Eurofins Agrosience Services has a team of Study Directors and Exposure Assessment Scientists responsible for conducting exposure assessment studies to the highest standards. Our global network offers a fully bespoke service for these important and complex studies.

Operator, Worker, Bystander and Residential exposure to crop protection, biocidal, industrial and consumer products is conducted on a global scale, with full GLP accreditation. Our technical experts conduct studies to OECD/GD (97) 148 and EPA Occupational and Residential Exposure Test Guidelines OPPTS series 875.

The analytical teams onsite at our state-of-the-art laboratories compliment this service offering with vast knowledge in development of analytical methods for exposure matrices, active ingredients and metabolites. Also, full validation of analytical methods with analytical study support, including LOQ determination.

100

Sites in 25 countries
worldwide

13

Agrosience
Laboratories

3

Regulatory
Offices



agrosience services

Operator, Worker re-entry, Bystander and Residential

- Higher tier study design according to international guidelines, combining regulatory, toxicology, field and analytical expertise
- Full project supervision & quality assurance by expert staff traveling to field sites, worldwide
- Integrated logistics and analyses of test product & specimens
- Analytical method development, validation and specimen analysis for all exposure matrices and compounds, including LOQ and field fortification

Turnkey solutions for a successful registration

- Regulatory advice and preliminary risk screening, dose range finding, mechanistic studies
- Modelling and refinement, hazard & risk assessment, dose response, NOAEL setup and registration dossier
- Related field and laboratory studies:
 - Field spray and dust drift study during and post application (particulate & vapour)
 - Dislodgeable foliar residues, turf transferable residues, wash off and surface dislodgeable environmental studies
 - Animal fur transfer residues
 - Dermal penetration *in vivo* & *in vitro*, ADME studies



Fit for purpose technology and equipment

- 100+ personal air sampling pumps, passive dosimeters, biomonitoring, 3D ultrasonic anemometers for air monitoring
- Leaf punches, leaf area software, shaking tables for dislodgeable foliar residue studies
- LC MS/MS and GC MS/MS state of art instruments, analysis of radiolabelled compounds with liquid scintillation counters and online HPCL with radiometric detection

Access to a wide network of farmers, crops & application patterns

- Broadcast application in field and protected crops, non agricultural land, turf, forestry
- Mistblower / atomizer in orchards and vineyards
- Seed treatment (mobile and factory based), dust drift at drilling
- Drip application, granular and soil fumigation application
- Fumigation / smoke generator applications in flour mills, post harvest stores, containers and animal housing
- Drone spraying and drift



Regulatory Support

Our in house regulatory team 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

Eurofins Scientific, through its subsidiaries, provides Contract Research Services to a wide range of industries including environment, pharmaceutical and agrosience.

Worldwide excellence in bio-analytical testing

Eurofins Agrosience Services Group

easinfo@eurofins.com
www.eurofins.com/agrosienceservices

