



YOUR SPECIALISED TESTING COMPANY FOR THE REGISTRATION OF PLANT PROTECTION PRODUCTS

As a laboratory for agricultural chemistry, we offer manufacturers in the phytosanitary sector comprehensive solutions for the authorization and registration of pesticides, chemicals, fertilizers and other products. For more than 30 years, **BioChem agrar** Labor für biologische und chemische Analytik GmbH has been active as an international testing institute in the areas of ecotoxicology, field testing and agricultural analysis (based on the current OECD, ISO, IOBC, EPPO, and EPA guidelines). From field trials under a wide range of conditions, to legally required ecotoxicological examinations, to comprehensive analytical services - on behalf of our customers -, we find intelligent solutions and deliver the most precise results.

With a Europe-wide network of our own locations and partner laboratories as well as a standard of GLP-, GEP- and ISO-certified working methods, we are your reliable service provider for testing pesticides and agrochemicals. In addition, we serve agricultural companies of any kind as a competent partner for needs-based soil testing and the entire available segment of agricultural analysis. Our state-of-the-art laboratory complex enables us to perform aquatic and terrestrial testing to assess the risks of pesticides, fertilizers and chemicals. In addition to standard laboratory studies, we also offer higher-tier studies in greenhouses, semi-field conditions and in the field.

We provide field studies, subsequent food-technology processing of harvested products, residue analysis and overall reporting from a single source. Our experience also enables us to perform complete residue programs cross-regionally (multi-site studies). **BioChem agrar** undertake the accompanying analysis for internal and external studies in the context of plant protection product and chemical approvals under GLP and the corresponding ISO or EU directives.

We rely on our highly-skilled team, which consists of qualified employees in the fields of agriculture, biology, chemistry, biochemistry, horticulture, forestry or geology and combines many years of practical experience with extensive expertise.


► Our service

As an established contract laboratory with in-depth know-how in environmental biology and ecotoxicology, we offer a wide range of tests for the authorization and registration of crop protection products, biocides, chemicals and veterinary pharmaceuticals.


- Reliable performance through many years of experience and expertise
- Certified operation under GLP, GEP and other standards
- Europe-wide network of owned and partner sites



LOCATIONS AND TEST SITES

BioChem agrar Labor für biologische und chemische Analytik GmbH has a wide network of **test sites**  to perform open-field tests in the most important geographic and climate zones of Europe. Nine test sites in Germany are located from north to south and east to west. This allows field tests with different set-ups or special situations.

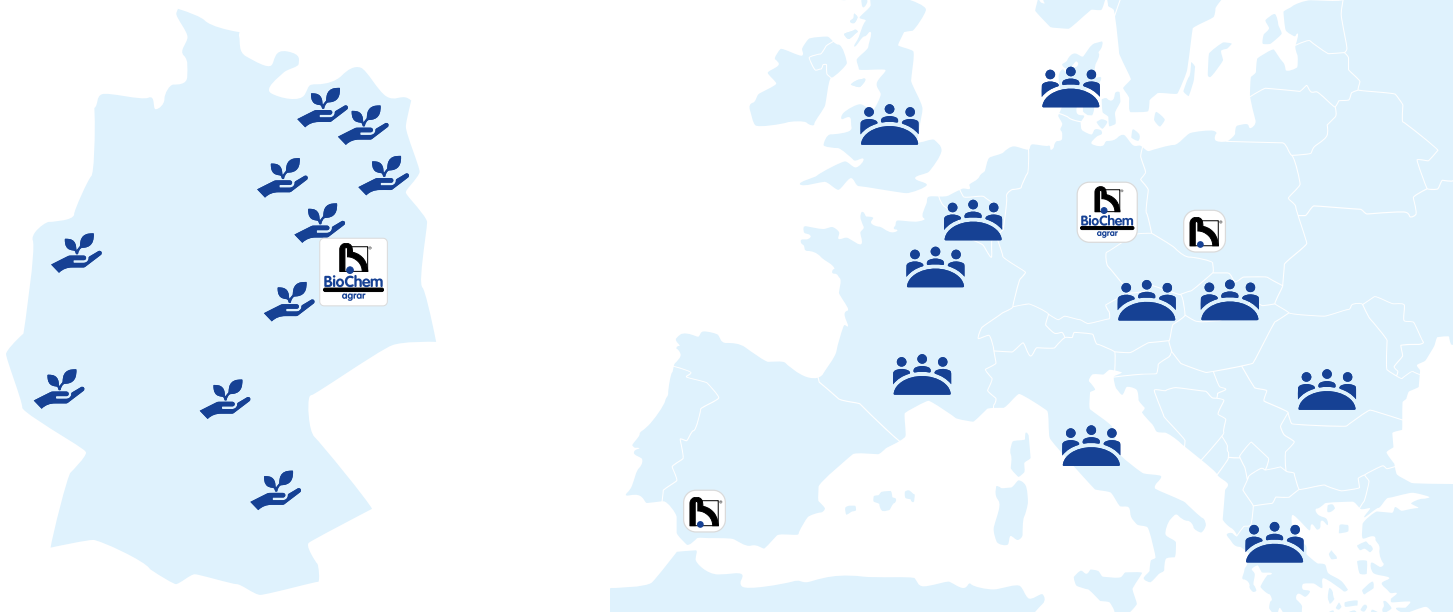
With our affiliated companies in Spain and Poland we are also able to offer tests with different climate conditions and soil compositions. It is also possible to carry out ecotoxicological investigations (e.g. with honey bees) for a longer period than in Central-Europe.

Appart from our own test sites and affiliated companies we have a wide network of **partners**  stretching from Denmark to Italy or Romania to France. Consequently we are able to perform special projects in different parts of Europe. **BioChem agrar** has an internal department for analytics. This allows for the accompanying analysis for internal and external studies in the context of plant protection product and chemical approvals under GLP and the corresponding ISO or EU directives. So we are able to conduct laboratory, semi-field and open-field tests for all relevant agricultural and ecotoxicological trials under the most important climate conditions.

As a reliable partner in the areas of ecotoxicology, open-field testing and analysis, we offer comprehensive solutions within the scope of approval and registration of your products and active substances.

► Our service in agricultural field studies:

- Biological efficacy tests (e.g. efficiency tests under GEP and non-GEP)
- Residue checks field trials (GLP, examination of the residue behaviour in plants [open field and greenhouse], in succeeding crops, in various soils or in processed harvested goods)
- Variety testing (in many different and regions; tests with different vegetables, grain, oil seeds and root crops or other special crops)
- Special requirements (e.g. investment and support of marketing locations, fertilization experiments, special projects with scientific institutions as well as state and federal authorities)





QUALITY ASSURANCE

► Description of working areas

Prior to the registration of plant protection products, non-clinical and environmental studies should be carried out in accordance with the Principles of Good Laboratory Practice (GLP). This quality control system regulates the organizational processes and the conditions under which non-clinical health and environmental studies are planned, performed, monitored, recorded, reported and archived.

The Quality Assurance Personnel is responsible for monitoring compliance with the GLP principles. For this purpose, BioChem agrar GmbH can rely on a team of highly qualified, experienced employees and can therefore guarantee the support of the following studies:

- Aquatic and terrestrial ecotoxicology
- Physical and chemical parameter characterization
- Residue analysis
- Environmental fate
- Field studies

The personnel of the quality assurance department are involved in various working groups on a wide range of topics through their membership of the German Quality Management Association (GQMA). This commitment, together with regular further training, guarantees a consistently high level of quality assurance work and enables BioChem agrar GmbH to react quickly to regulatory changes.

► Regulations/ standards/ guidelines

We are working according to the following regulations:

- Chemicals Act in the current version
- OECD documents No. 1 - 24



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