

## Soil Organisms Field

### Welcome To Eurofins Agrosience Services

Eurofins Agrosience Services offers a wide range of field studies following standard or special designs. All studies are planned and performed by a highly experienced team of scientists and technical personnel according to the most recent guidelines and guidance documents. We are experienced in conducting field studies with soil organisms such as earthworms, several soil inhabiting arthropod species including microarthropods (collembolans and soil mites) and nematodes. These tests can be performed throughout Europe and the rest of the world.

Possible effects after application are observed as well as the following recovery. Studies are performed according to the most recent guidelines in Northern and Southern Germany, Northern and Southern France, Northern and Southern Spain, Italy, Scandinavia, Greece and other countries across the globe. Analysis and determination work is done in-house.

### Earthworm Field Studies

Earthworms are widely considered as representative terrestrial organisms closely associated with the soil. Earthworm fauna field testing for ecotoxicological risk assessment is considered for registration procedures of crop protection products in different countries including those of the European Union. Earthworm field studies are conducted according to the ISO (11268-3) guideline. We offer earthworm studies globally in all types of crops. We also have experience with long term earthworm field trials and earthworm residue and accumulation trials.



### Soil Microarthropod Field Studies

Studies are conducted with species occurring naturally at the test site. The focus of this type of study is on soil organism community level. Springtails (collembolans), soil mites and other Microarthropods in the soil are sampled using soil cores from treated plots. Extraction and determination are done in house. The sampling is performed according to ISO guideline 23611-2 and 23611-3.



### Special Skills

- Potential to develop and adapt test designs to specific requests
- Special application techniques (granule application in furrow or wide spread, application of spray liquid in furrow, fumigation, application of non-soluble substances on carrier substance etc.)
- Combined design earthworm field study with micro-arthropod study
- Combined design earthworm residue study with arthropod residue study
- Identification of earthworms, collembolans and soil mites in house
- Dust studies evaluating the potential risk during drilling procedure
- Statistics using SAS, Canoco etc.



### Eurofins Agrosience services is part of Eurofins Scientific; a leading provider of analytical services.

The Agrosience Group offers unparalleled expertise to the crop protection industry; with over 750 staff globally and more than 80 fully owned facilities across 25 countries, we are committed to developing and growing in order to meet the needs of the Agrosience industry.

