



Lebensgrundlagen für morgen sichern

Research Scientist (f/m/d)

Institute for Crop and Soil Science (PB) - Braunschweig Bundesallee or Kleinmachnow location

Application deadline: 17th June 2026 for the reference number: BS-PB-WA-21-26

The project

The **NAWIRA** project aims to enhance the sustainability of winter oilseed rape cultivation through a targeted combination of nutrient-efficient genetics, adapted nitrogen fertilization, and innovative sowing techniques. At the core of the project is the development of optimized cultivation methods that enable stable and high yields—even with significantly reduced nitrogen inputs—while simultaneously minimizing nitrogen balance surpluses. To this end, genomically selected winter oilseed rape hybrids are being evaluated under various fertilization and sowing regimes in order to analyze key interactions between genotype, fertilizer form, and plant spatial distribution. The insights gained are intended to make a significant contribution to forward-looking, resource-efficient cultivation systems for winter oilseed rape.

Your tasks

- Statistical analysis of data collected in the NAWIRA field trials using mixed linear models, taking into account fixed effects (e.g., genotype, fertilizer rate, sowing density) and random effects (e.g., location, year);
- Development, selection, and application of appropriate models for estimating effects, predicted values, and variance components, as well as for conducting multiple mean comparisons;
- Application of multivariate analysis techniques—such as principal component analysis and cluster analysis—to investigate complex trait relationships and factor interactions;
- Integration of local soil properties and dynamic weather indices to facilitate in-depth analysis of genotype-environment-management interactions and to derive optimal nitrogen rates and sowing densities;
- Dissemination of results at national and international professional events and conferences, as well as in national and international peer-reviewed journals;
- Close collaboration with project partners and our international team of scientists within a goal-oriented and collegial working environment.

Your profile

- A completed university degree (at least a master's degree, university diploma, or comparable qualification) in Agricultural Sciences, Crop Science, Biometry, Statistics, Data Science, or a related field - preferably at the doctoral level;
- Solid knowledge of the statistical analysis of agricultural experimental data, particularly regarding the application of mixed linear models, model selection, variance component estimation, and multiple mean comparisons;
- Experience in applying multivariate analysis techniques—such as principal component analysis and cluster analysis—as well as in interpreting complex genotype-environment-management interactions;
- Excellent proficiency in at least one statistical or programming language (preferably R), along with experience in the structured handling of large, heterogeneous datasets;
- Ideally, knowledge in the fields of crop science, variety testing, nitrogen fertilization, field experimentation, or the use of soil and weather data for yield modeling;
- Perseverance and a genuine enthusiasm for collaborative scientific work;
- The ability to work independently and take personal initiative, including strong organizational and communication skills, as well as flexibility;
- Experience in preparing scientific conference contributions and peer-reviewed scientific articles;
- Good proficiency in spoken and written English, and - preferably - German.





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We offer

- A diverse, demanding and interesting job in a goal- and solution-oriented working environment at the JKI as well as working in a project team at the JKI;
- a fixed-term, part-time position - limited until 14th August 2028, and comprising 19.5 working hours per week - to support a third-party funded project, subject to the final provision of funds by the funding body. The employment relationship is governed by the Collective Agreement for the Public Service (TVöD or TVöD-Ost, depending on the work location);
- remuneration according to salary group E 13 TVöD if you have the required qualifications and skills;
- An entry on 15th August 2026.

The Julius Kühn Institute (JKI) is an equal opportunities employer. We live a culture of a diverse and cosmopolitan work environment. The JKI is committed to inclusion. Applications from people with disabilities are therefore expressly welcome and given special consideration in the selection process. The JKI promotes the reconciliation of work and family life and, since 2021, has been holding the **audit workandfamily** certificate ([audit berufundfamilie](#)). Where possible, we offer flexible working time models to reconcile work and family life. More information can be found [here](#).

The JKI subsidizes the Deutschlandticket for its staff, who can purchase it at a reduced subscription price of €23.28.

More information

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Apply online

Please apply via the INTERAMT job portal. To do so, click on the "**Online bewerben**" button on the INTERAMT page. The deadline for your application is 17th June 2026.

Please note that the language on the INTERAMT portal is German.

An overview of all vacancies at the Julius Kühn Institute can be found [here](#). Alternatively you can simply scan the QR code at the bottom right corner with your mobile device.

To apply, please register with INTERAMT at <https://www.interamt.de/koop/app/registrieren> or use your login if you are already a registered user. If you have any technical problems or questions regarding your registration, please contact INTERAMT directly at +49 (0) 385 4800-140 or by e-mail: kontakt@interamt.de.

Make sure to have uploaded all relevant documents for your online application by the application deadline.

If you have an international degree, please also enclose a certificate evaluation from the Central Office for Foreign Education (ZAB) with your application. If you do not yet have a certificate evaluation, you must apply for one if your application is successful. Further information can be found at <https://zab.kmk.org/en/statement-comparability>.

