

Biofortification of crops

The end users of our research

Research in the School of Biosciences is developing novel approaches to the mineral enrichment of soils and crops that benefit overseas small-holder farmers.

Our research

We have been developing fertiliser-based methods to increase the delivery of micronutrients in food crops in the UK and abroad. We have worked with UK and international industry partners to test fertilisers on a range of crops, based on a series of field and laboratory experiments, and wider geochemical surveys, in both the UK and overseas.

The benefits of our research

We have delivered new micronutrient fertiliser recommendations and advice to UK industry (companies spanning the food chain, including retail/processing, farm management, breeding and fertiliser sectors) and to policy-makers. We have translated work from the UK to Malawi, where we have provided fertiliser recommendations to industry partners and to government-based agricultural extension services and local farmer groups on the importance of micronutrient management of crops and the food chain. We are currently working on wider geochemical surveys of crops and soils in Malawi and the region with colleagues from British Geological Survey and Malawi Government and University sectors.

External links

[Hidden hunger in Malawi](#); [Selenium in Malawi](#); [Enrichment of soil in Malawi](#)

