Food Security

Our research is at the forefront of agritech innovation, food supply chains, consumer behaviour, policy and health. We provide leading experts for securing the future of agriculture globally. This network brings together relevant research in climate adaptation, fertiliser production, overdosing of vitamin A, post-harvest food loss, land degradation and many others.

Global Challenge

For food systems to be fit for purpose and sustainable they must transform to deliver the needs of populations that depend on them for survival. This is especially those most vulnerable to environmental challenges: climate change, drought, and flooding.

Our research in food systems is developing the innovative tools and technologies needed to:

- tackle food security
- prevent malnutrition
- address pesticide and herbicide resistance
- adapt to climate change
- conserve water resources
- combat land degradation

How we are making a difference

- working with communities in low to middle income countries to co-design research and co-produce knowledge in food systems using a multi-stakeholder approach

- preventing food waste and incorporating sustainability practices into food manufacturing

- using renewable energy to prevent post-harvest food losses and increase agricultural productivity

- low-input agriculture and targeted pest management using biopesticides

- tracking nutrient supply chains for feeding cities

Food Security Projects

- Sustainable Use of Potassium for Feeding the World

- Unintentional Overdosing of Vitamin A

- Climate-smart Agriculture in South Asia

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