



BFS-SFT

SOIL FERTILITY TECHNOLOGY ADOPTION, POLICY REFORM, AND KNOWLEDGE MANAGEMENT

The International Fertilizer Development Center (IFDC) brings together innovative research, market expertise, and strategic public and private sector partners to identify and scale sustainable solutions for soil and plant nutrition. IFDC is implementing the USAID-funded BFS Feed the Future project on **Soil Fertility Technology Adoption, Policy Reform, and Knowledge Management (BFS-SFT)** under a cooperative agreement mechanism with buy-in provisions.* The project bridges the gap between scientific research and technology dissemination to smallholder farmers. BFS-SFT conducts research with partners from universities, national and international research and development institutions, and the private sector.

WORKSTREAM I

Developing and validating technologies, approaches, and practices

- ✓ Improving nitrogen use efficiency:
 - Develop and validate enhanced N fertilizers and application
 - Mitigate greenhouse gas emissions
- ✓ Activated phosphate rock trials and field demonstrations
- ✓ Balanced crop nutrition:
 - Incorporation of secondary and micronutrients
 - Soil SMaRT (Soil testing, Mapping, Recommendations development, and Technology transfer)
- ✓ Sustainable soil intensification practices:
 - ISFM and conservation agriculture
 - Nutrient recycling



WORKSTREAM 2

Supporting policy reform processes, advocacy, and market development

- ✓ Documenting policy reform and market development:
 - Conduct evidence-based research
 - Influence policy reforms (e.g., stakeholder consultations and platforms)
- ✓ Impact studies and assessments
- ✓ Agro-economic feasibility studies

WORKSTREAM 3

SOILS Consortium (*Sustainable Opportunities for Improving Livelihoods with Soils*)

- ✓ Identify holistic solutions, developing a roadmap toward enhancing soil fertility

CROSS-CUTTING

COORDINATION • CAPACITY BUILDING • COMMUNICATION
KNOWLEDGE & DATA MANAGEMENT • PARTNERSHIPS

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* The BFS-SFT cooperative agreement, with buy-in provisions and IFDC's status as a public international organization, further allows USAID missions, offices, and bureaus to procure services rapidly without additional competitive procurement.





FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

SOILS CONSORTIUM

SUSTAINABLE OPPORTUNITIES FOR IMPROVING LIVELIHOODS WITH SOILS

The **SOILS Consortium** focuses on conducting research on sustainable opportunities for improving livelihoods with soil fertility-related solutions. SOILS will lead in developing and implementing soil health and fertility-enhancing innovations across large geographical regions of sub-Saharan Africa.

In March 2019, IFDC, in collaboration with Kansas State University Feed the Future Innovation Lab for Sustainable Intensification, initiated the SOILS Consortium, supported by USAID-BFS. SOILS partners with a host of academic and research institutions, including Michigan State University, University of Colorado, Auburn University, and the U.S. Department of Agriculture – Agricultural Research Service.



- 1 INORGANIC FERTILIZER SYSTEMS
- 2 QUALITY ORGANIC MATERIALS
- 3 LEGUME & AGRO-FORESTRY SYSTEMS
- 4 SOCIO-ECONOMICS
- 5 ADOPTION
- 6 POLICY

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Developing Agriculture from the Ground Up