



ENABLE IMPACT

IFDC is committed to providing technical support and training to assist countries in investing in soil fertility and plant health and equipping partners to identify, develop, and implement key agricultural system changes:

- Achieve increased investment in soil fertility and plant health.
- Strengthen capacity of the countries to implement policies and regulations.
- Improve technical capacity of public and private sector partners involved in soil and plant health.
- Share new knowledge and data.

This cross-cutting objective brings together partners to improve the level and quality of investments in soil fertility and plant health through policy strengthening, training and capacity building, and more. For over a decade, the **USAID West Africa Fertilizer Program (2012-2017)**, followed on by the **Feed the Future Enhancing Growth through Regional Agricultural Input Systems (EnGRAIS) project for West Africa (2018-2023)**, has engaged and supported national and regional governments to cultivate policies and regulations that work for farmers and agribusinesses. The **Fertilizer Research and Responsible Implementation (FERARI) project (2019-2024)** works with universities and research institutions to build capacity of the next generation of agriculture students and researchers from all over the world to amplify and sustain work in resilient development.



IFDC'S GLOBAL IMPACT IN 2022

 <p>5,661 DEMONSTRATION PLOTS ESTABLISHED</p>	 <p>258,556 FARMERS TRAINED (43% WOMEN)</p>
 <p>641,595 HECTARES UNDER IMPROVED TECHNOLOGIES</p>	 <p>331 PUBLIC-PRIVATE PARTNERSHIPS</p>
 <p>428,122 CLIMATE ADAPTIVE TECHNOLOGIES</p>	 <p>12,349 OUTREACH ACTIVITIES</p>



HEALTHY SOILS CHANGE LIVES



Over the coming decades, global population growth will drive a substantial increase in food demand. By 2050, our world will need to feed almost 10 billion people, 2.3 billion more than today.

As demand for more nutritious food rises, global agriculture systems face accelerating risks due to climate change and increasingly limited land and water resources. These pressures will require fundamental changes in food systems to nourish a growing population while reducing agriculture's environmental impact.



Since the organization's founding in 1974, IFDC has played and continues to play a critical role in tackling these global problems through the development and transfer of technologies focused on improving soil health and closing the yield gap. IFDC's unique position as a research advocacy and development organization bridges the gaps between research, development, and markets, with the goal of improving soil health and the livelihoods of those who care for them, particularly in developing nations around the world. By partnering with donor organizations, national governments, private sector actors, and local entrepreneurs, we strive to achieve a shared vision of healthier soils and plants for a food-secure and environmentally sustainable world.

Our solutions span a wide spectrum of research and development work, including soil nutrient technologies, practices, and management, integrated market systems solutions, and evidence-based policy research analysis.

IFDC's current strategic vision prioritizes soil health, going beyond short-term answers to complex problems. Our vast and interconnected areas of work, from fertilizer importation and business development to policy advocacy and smallholder adoption, focus on long-term impacts. By working with partners to bridge the traditional gap between research, smallholder farmers, and markets, we strive to solve the greatest food security issues facing the world today through four coordinated strategic objectives.

STRATEGIC OBJECTIVES AND ACHIEVING OUR VISION: IMPACTS FROM THE LAST 10 YEARS

DEVELOP BETTER TECHNOLOGIES

Working with national, regional, and international partners, IFDC develops, tests, and adapts technologies that improve soil health and plant nutrition for smallholder systems:

- Improved fertilizers and soil health-enhancing products.
- Integrated soil health management strategies and practices.
- Technologies to mitigate environmental impact and improve degraded soils.

Through its research programs, such as the **Feed the Future Soil Fertility Technology (SFT) Adoption, Policy Reform and Knowledge Management Project**, IFDC bridges the gap between scientific research and effective technology dissemination. Every year, research from tens of thousands of demonstration plots reach multiple hundreds of thousands of smallholder farmers, who apply IFDC-transferred technologies. These technologies save farmers time and money, improve yield quality and quantity, and change lives at village, national, and regional levels.



STRENGTHEN MARKETS

IFDC functions as an intermediary to connect farmers to input/output markets, and vice versa, ensuring scalability of improved technologies, increased production of commodities in demand, and trust among partners and stakeholders:

- Scaling assessment to develop inclusive markets.
- Design and develop agribusiness clusters.
- Strengthen capacity of agribusiness clusters and stakeholders.
- Link markets with rural, peri-urban, and urban consumers.

The **Toward Sustainable Clusters in Agribusiness through Learning in Entrepreneurship (2SCALE) program (2012-present)**

establishes agribusiness clusters that develop products and markets for local consumers. Since 2012 nearly 700,000 farmers and more than 250,000 producer organizations have been linked to almost 2,000 agribusiness enterprises. The more than \$70 million leveraged by the private sector has resulted in improved access to nutritious food for nearly 1 million low-income consumers in 10 sub-Saharan African countries. In Uganda, a series of market systems development projects since 2012 have linked more than 100,000 farmers to more than 30 local agriculture firms, increasing bulk crop sales for farmers and sales by agriculture firms by more than \$5 million. Additionally, nearly \$5 million has been leveraged by local governments to facilitate business and infrastructure activities.



CATALYZE FARM PRODUCTIVITY

IFDC assesses the performance of emerging technologies and engages inclusive smallholder groups (e.g., women, youth, and marginalized) to increase farm productivity, profitability, and sustainability:

- Conduct on-farm research to test viability of new technologies.
- Extend fertilizer recommendations to farmers.
- Evaluate environmental impact of improved practices.
- Demonstrate best available technologies.
- Scale and sustain adoption of improved technologies.

Improved technologies and practices lead to increased farm productivity, profitability, and sustainability. In Bangladesh, **Accelerating Vegetable Productivity Improvement (2017-2019)** project activities assisted more than 40,000 female fruit and vegetable farmers to apply agricultural technologies that increased incremental yields by 58-200% and crop value by \$8.9 million and reduced fertilizer consumption by 15-20%. Similarly, in Ghana more than 200,000 farmers assisted by the **Feed the Future Ghana Agriculture Technology Transfer project (2013-2018)** applied improved technologies and practices to increase yields by 260%, with private agriculture sector investments exceeding \$5 million over the life of the project.

