



# Accelerating Nutrition

For a Food Systems Transformation

2022 Annual Report





Dear Friends,

As three billion people globally contend with being unable to afford a healthy diet alongside the threatening impacts of climate change, conflict, and poverty, we have an imperative to make diets

more nutritious. We must urgently deliver solutions that respond to food systems shocks and build up individual, community, and societal resilience—enabling livelihoods to prosper.

Our work over the last two decades has proven that biofortification is a highly scalable solution that enriches the diets and lives of the most vulnerable people. Amid the crises of recent years, as supply chains and other nutrition interventions were hindered, biofortified crops reached more rural communities than ever before. Our impact was especially marked in Africa and South Asia, where improved access to nutritious food is needed the most.

More than 86 million people in farming families living in low- and middle-income countries accessed biofortified foods this year, a growth of 200% over the last five years achieved through collaborations between partners in the public, private, and civil society sectors. Billions more people could, and should, benefit from this important technology to help safeguard a food-secure future for all.

In 2022 alone, nearly 32 million value chain actors and farming households also received the capacity strengthening support needed to improve their wellbeing and thrive. Over 12 million women gained the skills, confidence, and know-how to grow, process, and sell nutritious crops and foods, acting as change-leaders and agripreneurs in their communities.

National leaders and governments strongly endorsed biofortification in 2022, and the outcome has been

a progressive and sustainable integration of nutrient-enriched crops into local and national government policies and institutional programs.

Looking ahead, as part of the One CGIAR transformation, HarvestPlus will accelerate towards our goal of reducing global hidden hunger and taking our nutritious crops to one billion people by integrating our efforts with CGIAR, IFPRI, and HarvestPlus Solutions, the non-profit catalytic scaling arm of our organization. As part of IFPRI, we will strengthen our world-renowned evidence generation for policy and advocacy. With our crop development partners across CGIAR and national agriculture research systems we will help develop better and more nutritious crops varieties and technologies. These innovations will be delivered to farmers through private and public partnerships with HarvestPlus Solutions.

By synergizing our efforts with CGIAR, IFPRI, HarvestPlus Solutions, and our hundreds of steadfast partners we will leverage our collective strengths to enrich food systems, making them more sustainable, resilient, and nutritious.

I extend my sincere gratitude and appreciation to all the members of the HarvestPlus Program Advisory Committee, whose work will be complete upon our integration with CGIAR and IFPRI. Your guidance and oversight over 20 years has led us on a remarkable pathway towards benefiting 100 million people on farms with biofortification in 2023, and millions more through markets and commercial activities.

We sincerely thank our funders for supporting our mission and call upon others to join us in our essential work that's needed now more than ever.

Sincerely,

Arun Baral

## HarvestPlus Leadership

Arun Baral  
*Chief Executive Officer*

Lynn Brown  
*Director Policy, Strategy, and the Africa Region*

Erick Boy  
*Chief Nutritionist*

Wolfgang Pfeiffer  
*Senior Advisor*

HarvestPlus improves nutrition and public health by developing and promoting biofortified food crops that are rich in vitamins and minerals, and providing global leadership on biofortification evidence and technology.

HarvestPlus works across CGIAR and is part of the International Food Policy Research Institute (IFPRI).





## Key Metrics in 2022:

# 17.3M

Smallholder farming households growing biofortified crops, 22 percent more than 2021 and 200 percent more than 2018.

# 86.5M

People benefiting from biofortification in farming households through HarvestPlus facilitated efforts.

# 750+

Partners worldwide committed to scaling up biofortification, mostly small and medium-sized enterprises.

# 31.6M

Farmers and value chain actors received training and technical support to strengthen their ability to grow and sell biofortified crops.

# 12M

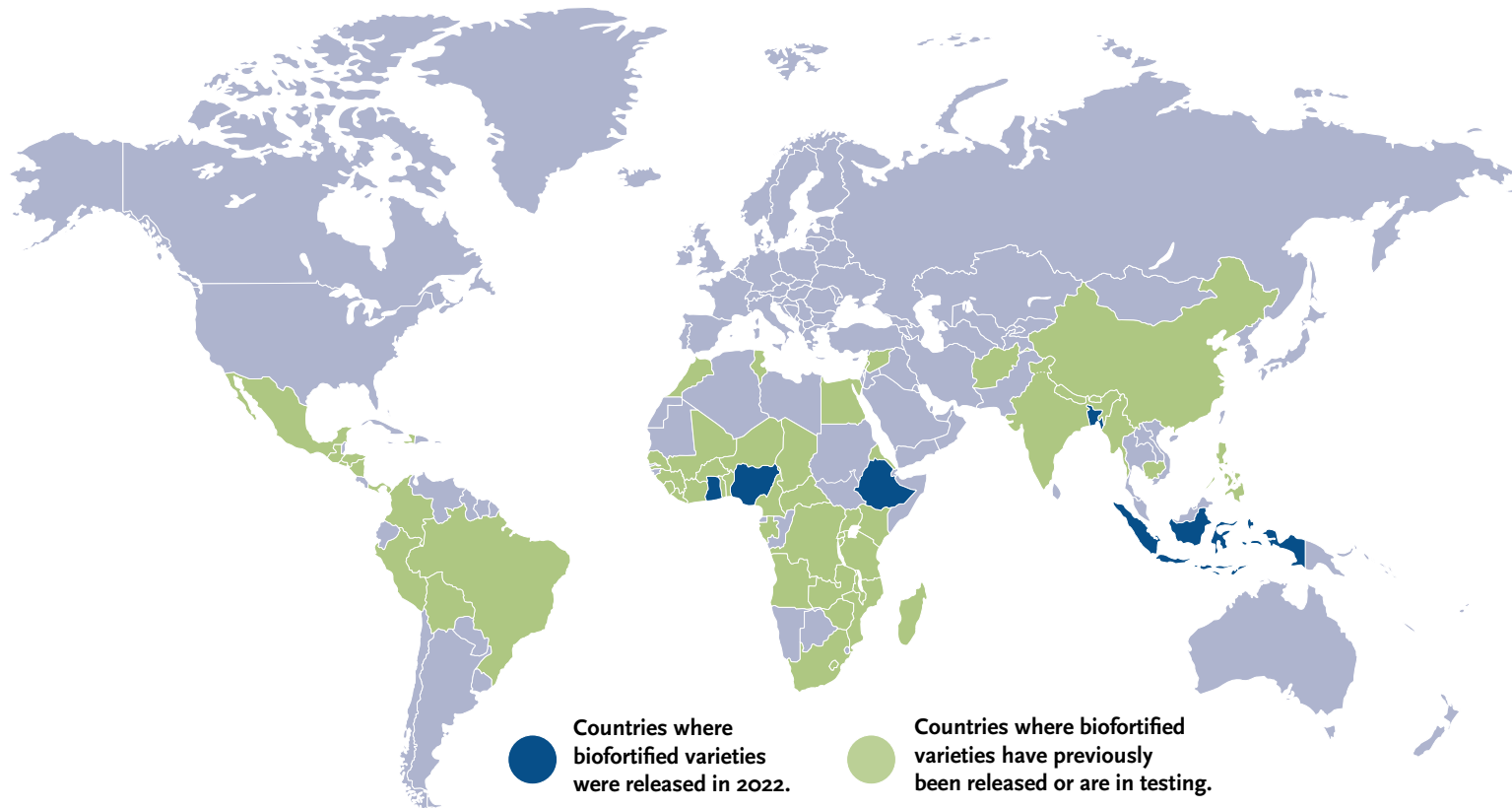
Of these were women who were empowered with knowledge and skills.

# 100,000+

Metric tons (MT) of commercial biofortified seed produced and distributed, up from 65,000 MT in 2021.



# 293 varieties of biofortified staple crops available for farmers to grow



11 new biofortified varieties were approved by governments for farmers to grow them in five countries in 2022.

**3** new varieties of zinc rice

**6** new varieties of vitamin A cassava

**2** new varieties of vitamin A maize

# Catalyzing Nutritious, Resilient Food Systems

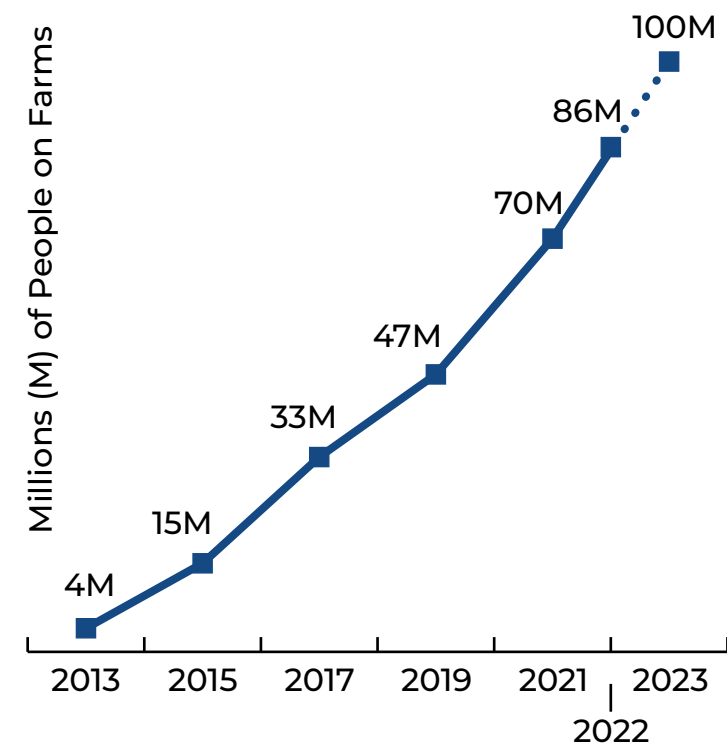
As the world began to recover from the COVID-19 pandemic and grappled with crises related to climate, conflict, inflation, and more, national governments and partners responded with significant commitments to scale up biofortification to build nutritious, resilient food systems in low- and middle-income countries.

Collective efforts by HarvestPlus partners, collaborators, and advocates [backed by 20 years of rigorous evidence](#) catalyzed the scale up of biofortified nutrient-enriched crops and foods to more people than ever in 2022. Over 86 million people in farming households are now growing and eating biofortified crops, 22 percent more than in 2021—on a trajectory to enrich 100 million lives with biofortification in 2023.

## Regional and Global Endorsements

- The [2022 State of Food Security and Nutrition in the World Report](#) endorsed biofortification as a cost-effective measure to prevent micronutrient deficiencies by supplying essential micronutrients to large segments of populations and improving food systems without the need to change eating patterns.
- [A declaration by the African Union](#) (AU) to scale up food fortification and biofortification in Africa put healthy diets at the forefront of regional policy. Accelerating regional efforts supported by the MacArthur Foundation, the AU resolved to make nutrient-rich seeds and foods sustainably accessible in local markets, publicly procure them from farmers, and incorporate them alongside training in farmer input support programs for long-term impact.

## People Benefiting from Biofortified Crops in Farm Households\*



*\*Through HarvestPlus facilitated efforts. Does not include people who purchase biofortified foods from markets.*

# Global Progress Scaling Biofortified Crops



**Bangladesh:** An unprecedented 4,015 MT of zinc rice was produced and marketed by the Bangladesh Agriculture Development Corporation in 2022—over double 2021’s production—bringing total country production to 6,350 MT. This volume of seed will generate more than one million MT of rice that can provide up to 40% of daily zinc needs when eaten daily.



**DR Congo:** The government is incorporating vitamin A maize, vitamin A cassava, iron beans, and vitamin A orange sweet potato into a large [World Bank-funded multisectoral project](#) in three provinces as part of a nutrition-smart agriculture strategy that is also mainstreaming training on agronomy and nutrition for health workers.



**India:** Iron pearl millet ‘nutricereal’ production rose to 100,000+ MT in 2022, setting the stage for further scale up in 2023, the International Year of Millets. In Bihar state, a [Bill & Melinda Gates Foundation-funded project](#) stimulated 4,000+ MT of zinc wheat seed production, enough for a million people to eat zinc wheat for a year. Women Farmers Producer Companies widely promoted zinc wheat with JEEViKA, a Government of Bihar initiative for rural poverty alleviation.



**Indonesia:** The Ministry of National Development Planning, BAPPENAS, produced 90,000 hectares of zinc rice, up from 10,000 hectares in 2020—engaging nearly half a million farmers. BAPPENAS is committed to biofortification as a critical action for human capital development and to reduce stunting.



**Kenya:** Iron beans now represent 6.5 percent of the share of beans produced nationally, up from <1 percent in 2019 and rising. Partnership with the Pan-Africa Bean Research Alliance (PABRA) and commitments from five commercial seed producers are boosting seed availability across the country.



**Malawi:** The Government has accepted recommendations to include biofortification strategies in their National Agricultural Policy, which will increase awareness and uptake of biofortified seeds and foods and result in likely inclusion in the country’s Affordable Inputs Program and Strategic Grain Reserve.



**Nigeria:** Biofortification is a crucial strategy being actively implemented across three national multi-sectoral policies. With budgetary allocation and collaboration with Agricultural Development Projects, Ministries of Agriculture and Health, and other stakeholders, the policies emphasize biofortification's role in elevating the micronutrient status of Nigerian women and children.



**Pakistan:** Government support and partnership engagement led the [journey of scaling](#) zinc wheat in Pakistan, where consumption rose significantly from zero in 2014 to over 10 million people in 2022. Production of the mega-popular and high-yielding variety 'Akbar 2019' has grown exponentially in formal and informal seed sectors and is on track to claim a majority of the commercial seed market.

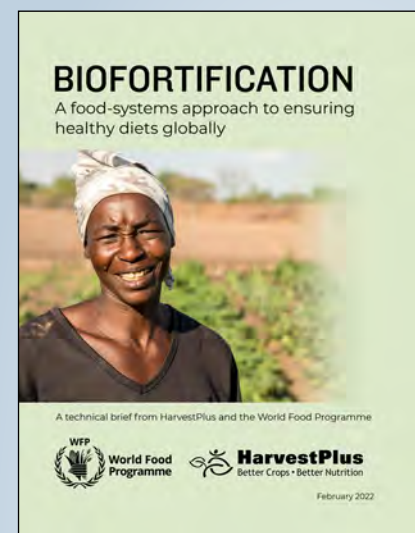
**Tanzania:** A 10-fold increase in iron bean seed production since 2018 by the Tanzania Agricultural Research Institute is paving the way for iron beans to become a significant part of the country's total bean production through the [Commercialization of Biofortified Crops \(CBC\) Programme](#), co-led with the Global Alliance for Improved Nutrition (GAIN).



**Uganda:** As part of a humanitarian effort, over 500 MT of drought-tolerant iron bean seed—a variety that matures faster than other local bean varieties—was disseminated to areas that experienced food shortages due to prolonged drought through several programs including the World Food Programme in partnership with Sasakawa Africa Association and other local NGOs.

**Zambia:** Rural farmers not serviced by seed companies were reached with vitamin A maize and iron beans thanks to the government's inclusion of 722 MT of biofortified seed in its social protection Food Security Pack—the largest inclusion of biofortification in the program to date. Seed distribution was paired with capacity strengthening in agronomy, postharvest management, nutrition, processing, and market linkages.

**Zimbabwe:** Biofortification was highlighted as a major intervention to combat micronutrient malnutrition by the Ministry of Health and Childcare in their 2022 – 2026 food fortification strategy, and by the Ministry of Agriculture in its Smallholder Irrigation Revitalization Program.



HarvestPlus and the World Food Programme released [a joint brief](#) that showcases country-level initiatives to scale up biofortified seeds, crops, and foods, and identifies opportunities to integrate biofortified crops and foods in global policies and programs.

# Bringing Nutrient-Enriched Foods to Markets

A staggering 40 percent of the world's population cannot afford a healthy diet. Staple crops—like wheat, rice, beans, cassava, maize, and millet—account for most calories eaten every day, especially during times of crises like those experienced in 2022. Alongside global efforts to affordably diversify diets, enriching traditional staple foods with nutrients is a proven, cost-effective, and sustainable way to add more micronutrients into diets so populations can thrive.

HarvestPlus and its partners are stimulating local and national markets to include biofortified crops and boosting opportunities for smallholders to become commercial vendors. These efforts help extend access to naturally nutritious staple foods to consumers beyond the farm gate.

[HarvestPlus facilitates a range of market and commercial activities](#) like those listed below that support public procurement supply chains and activate nutritious seed, grain, and food businesses that can transform food systems.



**Driving seed demand:** An agreement with Malawi partner Kivuno Hub will increase the production of vitamin A maize seed through a social enterprise seed production hub that guarantees participating farmers a fair price contract.



**Stimulating grain procurement:** Most zinc wheat grain produced by farmers in Pakistan is being procured by smallscale *chakki* (wheat) mill owners. This helps amplify rural production and promotes local consumption in highly vulnerable areas. Mill owners received technical information and branded food bags with nutrition information to kick start their sales to consumers.



**Establishing food businesses:** [Nigerian women launched small- and medium-sized enterprises](#) that produce and sell commercial foods made of vitamin A cassava and vitamin

A maize through an initiative with the Nasarawa State Government, empowering women to extend the reach of nutritious foods across their communities.



**Scaling across markets:** Arti Roller Flour Industries Pvt Ltd, a large-scale Indian milling company, [launched the first branded, pre-packaged zinc enriched wheat flour](#) that meets the global standard for zinc-enriched grains. This venture responds to consumer demand for naturally nutritious foods, incentivizes farmers to grow more zinc wheat, and will put a nutritious product on plates of families across India when it scales nationwide.





## Supporting Businesses With Tools for Commercialization

HarvestPlus is building an enabling environment through policies, standards, and regulations to increase consumer access to more nutrient-enriched, minimally processed foods.

[Tools](#) are shared with businesses to help them take nutritious seeds, grains, and products to market.

**Publicly Available Specifications:** Global standards for vitamin A, zinc, and iron grains were completed in 2022, setting out requirements for nutritional value, sampling, packaging, and labeling of biofortified products.

**Labelling guidelines and food brochures:** Guidance informs food manufacturers how to label and market biofortified foods with compelling and legally compliant messages. New logos now help guide consumers to buy nutrient-enriched products and make healthier choices in the marketplace.



Visit our [biofortification toolbox](#) to find more tools for commercialization, tips for food business marketing, an index to prioritize investments in biofortification, concise summaries of research findings, and more.



# Cultivating Smallholder Farmers' Livelihoods

Nutrition-smart technologies help build inclusive food systems that equitably deliver nutrition and withstand shocks. HarvestPlus is taking steps to address barriers women face to improve their nutrition and livelihoods—such as lack of access or ownership of assets, information, credit or cash—and prioritize women as community and business leaders.

HarvestPlus and our partners empower smallholder farmers to turn their farms into profitable businesses as a pathway out of poverty and hidden hunger. Training and technical support activities develop farmers' capacity, create employment opportunities, build linkages to lucrative markets, and add value to food systems. Nearly 32 million value chain actors (12 million of which were women) enhanced their ability to grow and sell nutritious foods in 2022.

**Empowering women agripreneurs:** Indian women agripreneurs shared technical nutrition and agricultural knowledge with smallholder farmers to empower them to grow and sell zinc wheat in the state of Uttar Pradesh, under the [CBC project](#). Farmers benefitted from a 56 percent increase in financial returns over 2021 through this support.



**Advancing access to finance:** Women farmers and women's savings groups in Malawi [opened their first bank accounts](#) to purchase nutrient-enriched seed, advancing the financial inclusion of women while training them on financial literacy and the nutritional benefits of biofortification.

**Protecting farming-dependent livelihoods:** [A COVID-19 response project](#) funded by the Government of Canada enabled rural farmers in Bangladesh, DRC, Malawi, Pakistan, Zambia, and Zimbabwe to grow nutrient-enriched food amid crisis and generate USD 146 million of essential income. Over 40 percent of the participating women farmers increased their annual income, improving their life circumstances and ability to action their life choices.



**Linking to technology and markets:** Five thousand smallholder farmers growing iron beans, vitamin A maize, and vitamin A orange sweet potato are being [connected to lucrative markets in Zimbabwe](#) by harnessing the power of digital technologies to enhance their productivity.



# Coping with Climate Change

As extreme weather events increase due to climate change, smallholder farming communities are becoming more vulnerable to compromised crop yields and depletions in the nutrient content of plants.

Biofortified crop breeding [prioritizes traits that help offset climate-induced declines](#) in agricultural productivity and nutrition, including greater tolerance to heat, drought, and pests, and competitive yield production under local climate conditions. Many varieties also mature faster, making more efficient use of often scarce inputs like water and fertilizer, and allow for additional crops in crop rotations—building added resilience into the food system.

## Climate-Smart Biofortified Crops Provide Relief and Protection

**Offsetting losses:** In the face of extreme flooding in 2022, Pakistani farmers benefited from growing highly resilient and drought-tolerant zinc wheat. Production rose to 5.5 MT, up from one MT in 2020. Opting for zinc wheat can offset climate-related losses in yield of other conventional varieties, helping meet the population's need for this staple.

**Boosting productivity:** Climate volatility is stifling crop yields and driving up food prices in northern Nigeria. [A two-year initiative funded with UK aid from the UK government](#) will enhance climate resilience among agri-enterprises and smallholder farmers and provide access and training on nutrient-enriched crop production technologies and practices.





# Responding to Shocks

## Meeting the Nutrition Needs of the Most Vulnerable

HarvestPlus and our partners worked tirelessly to respond to the global increased food and nutrition needs brought about by the devastating effects of COVID-19, climate change, rising cost of living, and conflict.

**Innovating for improved affordability:** Strategies were developed to make seed and grain more affordable to resource-poor farmers. For example, in Pakistan, bags of zinc wheat seed were split among families to make them more financially accessible than the relatively more expensive 50kg bags available in markets. In Malawi, more vitamin A maize seed was sold in 1 kg packs, instead of traditional 5 kg packs, and in Bangladesh and Pakistan, zinc rice and zinc wheat grain was heavily subsidized for economically disadvantaged households.

**Pro-poor programming:** Sixty-two thousand rice farmers and 1,750 wheat and lentil farmers were provided with nutrient-enriched seeds through the multi-partner Bangladesh Initiative to Enhance Nutrition Security and Governance project, supported by the European Union. Biofortification is being integrated into multi-sector pro-poor governance models and nutrition interventions across nutritionally vulnerable areas in the country.

**Empowering refugees:** [Over 17,000 refugees and their host communities in Zambia](#) were supported through a collaboration with the UN Refugee Agency (UNHCR) that supplied vitamin A orange sweet potato vines and the means to grow them. The success of this approach is leading to further scaling and inclusion of biofortification in UNHCR work.





# Enriching School Meals

## Strengthening Home Grown School Feeding Programs

Nutritious school meals are an investment in human capital development. They address childhood malnutrition, improve students' academic performance, boost attendance—especially among girls—and provide a safety net that keeps communities fed amid shocks.

HarvestPlus is working to sustainably embed locally cultivated nutrient-enriched foods into school feeding programs like those below, primarily using a “home-grown” approach that guarantees long-term demand for farmers' produce, supports local economies, and ensures a bright future for all children.

**Establishing Nutri-Schools:** [A 'Nutri Pathshala' initiative](#) will ensure two million Indian school children have equal access to more nutrients and nutrition education. The Happel Foundation funded project is enriching the menu of the world's largest school feeding program, the Mid-Day Meal Scheme, with biofortified foods.

**Home Grown School Feeding:** An additional 1.2 million children in Kenya, Tanzania, and Malawi will be eating locally-produced vitamin A maize and iron beans in their school meals through a [project partnership with AGRA and PABRA, with support from the Rockefeller Foundation](#). In Nigeria, Oyo State adopted vitamin A maize in its National Home Grown School Feeding Programme for primary school pupils.

**Providing universal nourishment:** The Government of Malawi's Ministry of Education set a goal to establish a national nutritious school feeding program by 2030, providing a pathway to scale up efforts underway with the Rockefeller Foundation and Waterloo Foundation to [bring healthy school meals to children](#) using nutrient-enriched foods produced by local farms and school gardens.



## New Evidence

Eating zinc rice daily improved the growth of preschool children in Bangladesh, an outcome that carries lifelong physical and cognitive benefits. [Am J Clin Nutr 115\(3\), 2022](#)

Measurable benefits to brain health, as well as body, were experienced by adolescent school children who ate iron pearl millet frequently, aiding their learning and future productive participation in society. [BMC Public Health 22 \(1299\), 2022](#)

## Nutritious school meals are the key for Africa's children

The African Union designated 2022 the Year of Nutrition, opening the door to advance the nutritional quality of Africa's school feeding programs by incorporating nutrient-enriched staple foods.



# 2022 Financials

## Receipts and Disbursements

(in million USD)

### Receipts

Revenue	\$ 17.603 M
Interest Income	\$ 0.075 M
Total Revenue	\$ 17.678 M

**Total Disbursements \$ 17.678 M**

## 2022 Donors to HarvestPlus

*HarvestPlus thanks our funding partners for supporting our mission to rapidly scale biofortification and help to sustainably address hidden hunger.*

AGRA

The Bill & Melinda Gates Foundation

Children's Investment Fund Foundation

Food and Agriculture Organization of the United Nations

UK Foreign, Commonwealth & Development Office

The Government of Canada

The Government of the Democratic Republic of the Congo

Happel Foundation

The John D. and Catherine T. MacArthur Foundation

The Netherlands Ministry of Foreign Affairs and the German Federal Ministry for Economic Cooperation and Development, through a partnership with the Global Alliance for Improved Nutrition

The Rockefeller Foundation

CGIAR

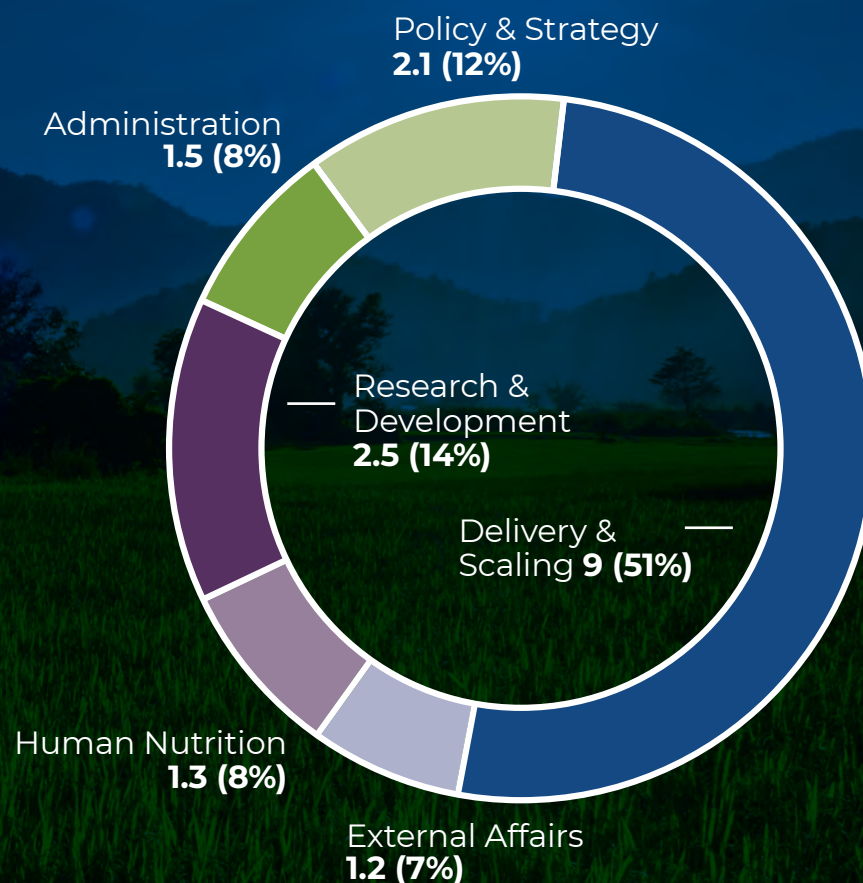
United States Agency for International Development/US Feed the Future Initiative

The Waterloo Foundation

World Vision UK

## Disbursements by Category

(in million USD and percentage of total; figures rounded)





# Governance

## HarvestPlus Program Advisory Committee (PAC)

The Board of Trustees of IFPRI have delegated responsibility for oversight of HarvestPlus to the PAC.\*

### PAC Chair

#### Andrew Natsios

*Director of the Scowcroft Institute of International Affairs and Executive Professor, Bush School of Government and Public Service, Texas A&M University*

### PAC Members

#### Djimé Adoum

*High Representative of the Sahel Coalition*

#### Esi Foriwa Amoafu

*Director of Nutrition, Ghana Health Service*

#### Ken Noah Davies

*Director (Retired), Purchase for Progress, World Food Programme*

#### David Governey

*Corporate Governance and Risk Management Consultant*

#### Namanga Ngongi

*Chairman, African Fertilizer and Agribusiness Partnership*

#### Andrew M. Prentice

*Head, MRC International Nutrition Group, London School of Hygiene & Tropical Medicine, UK; Head, MRC Keneba, The Gambia; Theme Leader for Nutrition, The Gambia*

#### Amitava (Amit) Roy

*Board Vice Chair, Sasakawa Africa Association*

#### Johan Swinnen

*Director General, International Food Policy Research Institute (IFPRI), Global Director for Systems Transformation, CGIAR*

#### Joe Tohme

*Director, Improving Crops, The Alliance of Bioversity and CIAT Programs*

#### Paulus Verschuren

*Chair, Access to Nutrition Foundation*

#### Hilary Wild

*CGIAR System Board Member*

### Designated Representative to the PAC

#### Lawrence Kent

*Senior Program Officer, Agricultural Development, The Bill & Melinda Gates Foundation*

\*PAC membership as of the October 2022 PAC general meeting



## Awarding Excellence

Mahalingam Govindaraj (Govind), HarvestPlus Senior Scientist for Crop Development, was honored by the World Food Prize as the recipient of the 2022 Norman E. Borlaug Award for Field Research and Application. Govind was recognized for his outstanding leadership mainstreaming biofortified crops, particularly pearl millet, in India and Africa. For more than a decade, he has directed the development and dissemination of high-yielding iron pearl millet varieties that have contributed to better nutrition for thousands of farmers and their communities.



# 2022 HarvestPlus Partners

We are proud to work with hundreds of partners around the world to achieve our shared goal of improving nutrition, health, and livelihoods.

To partner with HarvestPlus, email us at: [harvestplus@cgiar.org](mailto:harvestplus@cgiar.org)

## CGIAR CENTERS

Alliance of Bioversity International and CIAT  
International Center for Agricultural  
Research in the Dry Areas (ICARDA)  
International Crops Research Institute for the  
Semi-Arid Tropics (ICRISAT)  
International Food Policy Research Institute (IFPRI)  
International Maize and Wheat Improvement Center (CIMMYT)  
International Potato Center (CIP)  
International Institute of Tropical Agriculture (IITA)  
International Rice Research Institute (IRRI)

## UNIVERSITIES & OTHER RESEARCH ORGANIZATIONS

Centers for Disease Control (CDC)  
Children's Hospital Oakland Research  
Institute-CHORI/UCSF  
Chinese Academy of Agricultural Sciences (CAAS)  
Clemson University  
Cornell University  
CSI Arogyavaram Medical Center (AMC)  
Federal Institute of Technology (ETH-Zurich)  
Flinders University  
Instituto de Nutrición de Centro América y Panamá (INCAP)  
Johns Hopkins University  
Johns Hopkins University Bloomberg School of Public Health  
Newcastle University  
Purdue University  
Sabanci University  
Sir Vithaldas Thackersey College of Home Science (Autonomous)  
S.N.D.T Women's University  
University of California, Davis  
University of California, San Francisco  
University of Colorado, Denver  
University of Ibadan  
University of Melbourne  
University of Oklahoma  
Wageningen University  
Western Human Nutrition Research Center (Davis), USDA ARS

## GLOBAL PARTNERS

AGRF  
British Standards Institution (BSI)  
Clinton Development Initiative  
Cropin  
Ethiopian Institute of Agricultural Research (EIAR)  
Euromonitor International  
Food and Agriculture Organization of the UN  
Global Alliance for Improved Nutrition (GAIN)  
Leatherhead Food Research

Precision Agriculture for Development  
US Dry Bean Council  
World Food Programme

## IN-COUNTRY PARTNERS

**Bangladesh**  
Amra Kaj Kori (AKK)  
Bangabandhu Sheikh Mujibur Rahman Agricultural University  
(BSMRAU)  
Bangladesh Institute of Nuclear Agriculture (BINA)  
Bangladesh Rice Research Institute (BRRI)  
Bangladesh Agricultural Research Institute (BARI)  
Bangladesh Agricultural Development Corporation (BADC)  
Bangladesh Wheat and Maize Research Institute (BWMRI)  
Bakerganj Forum  
Department of Agricultural Extension (DAE)  
Eco-Social Development Organization (ESDO)  
Gram Unnayan Karma (GUK)  
Natun Zibon Rochi (NAZIR)  
RDRS Bangladesh  
Shariatpur Development Society (SDS)  
Shawdesh Unnay Kendra (SUK)  
Society Development Committee (SDC)  
Supreme Seed company Ltd.  
Thengamara Mohila Sabuj Sangha (TMSS)  
The Global Alliance for Improved Nutrition (GAIN)  
Voluntary Rural Development Society (VRDS)  
World Vision Bangladesh

## DR Congo

oBC Tujitegemeye  
Accelerated Education Program (AEP)  
Action Aid for Development Cooperation and Solidarity (AACDS)  
ADAEV  
ADEAR  
ADEKI  
ADMU  
ADPF  
ADVS  
AFP  
African People Empowerment Foundation (APEF)  
AGNES  
Agnes Sadiki  
AGRIFORCE  
AGRIFEF  
Agrivert Holdings  
Agro-Pro Africa  
AJP  
Alpha Ujuvi

AMAEK  
AMKAT  
ANUTANG  
APAIEKA  
APAMA  
APAU  
Asian Institute of Poverty Alleviation (AIPA)  
Association for the Development of Education in Africa (ADEA)  
Association for the Support of the Women of Maniema  
Association of Improved Seed Multipliers (AMSA)  
Association of Products to Market (APROMA)  
Association of Women's Cooperatives and Synergy (ACOSIF)  
ATB  
Aumonerie de L'isp  
AVUDC  
BASHWIRA  
Bertin Mubalama  
Beth Saida  
Biocarbon and Rural Development (BIODEV)  
BIONET  
Birava Health and Development Committee (CSDB)  
Buhanga Agro-Pastoral Cooperative (COOPABU)  
Buhengere Agricultural Project (PABU)  
Bukavu Youth Agripreneurs (BYA)  
CAM International  
Capacity Assessment and Development Program (CADEP)  
CAPSA Luotu  
Catholic University of Bukavu (UCB)  
CFAD  
CGF  
CHALGAR  
Chiefdom of Idjwi  
Chiefdom of Kabare  
Chiefdom of Luwhinja  
Chiefdom of Mwenga  
Chiefdom of Nidja  
Chiefdom of Shabunda  
Cihirano Institute  
CIMS  
CN de Butusa  
CN Idjwi  
CN Kalagane  
CN Kavumu  
CN Rwabika  
CN Walungu  
COFERTA  
Community Project of Free Churches of Pentecost in Africa  
(CELPA)  
Congo Service



Consumer Goods Forum (CGF)  
 COODAP  
 COOPABU  
 COOPAEGA  
 COOPATU  
 COOPAV  
 COOPRAU  
 COPCOPAT  
 COSIC  
 CPR Idjwi  
 CRDGL  
 DIOBAS  
 Diocesan Development Office (BDD)  
 DPF  
 Dynamics of Cooperation for Peace and  
 Rural Development (DYCOPADER)  
 EDMAR  
 EDS-SUD  
 ELIORA  
 ENTH  
 Ets Bakulikira  
 Evangelical University in Africa (UEA)  
 Fabis  
 FEH  
 Fellowship of Free Churches of Pentecost in Africa (PACME)  
 Ferkal Agrobusiness  
 Ferme Agroforestiere  
 Ferme Espoir Hongo  
 Ferme Karongo  
 FoDRC  
 FOFEM  
 Food and Agriculture Organization of the United Nations (FAO),  
 Democratic Republic of the Congo  
 Foundation Amani Development (FAM)  
 FRANCINE  
 FUSAEUL  
 FUSAM  
 GAP  
 Garivert  
 GECOATU  
 GLOP  
 Grenier de Kabare  
 Guershom  
 Higher Institute of Medical Techniques (ISTM)  
 Higher Institute of Pedagogy (ISP)  
 Higher Institute of Rural Development of Bukavu (ISDR)  
 IITA Kalambo Youth Agripreneurs (IKYA)  
 INERA Emilingombe  
 International Institute of Tropical Agriculture (IITA)  
 ISTD  
 ITB  
 Institute Bwindi  
 J'ai Reve Foundation (FJR)  
 KAB SARL  
 Kalehe Arabica Coffee Cooperative (KACCO)  
 Kashura Benant

Katabana Kashura  
 KRP  
 MAMAN NATO  
 MARKO  
 Mercy Corp  
 MINAGRI  
 Mirabilis  
 MONANDA  
 Mutual Women's Union for Development (UFMD)  
 Mwangilwa  
 National Center for Salesian Works (CNOS)  
 Ntaitunda  
 Nyakaliba Institute  
 Official University of Bukavu (UOB)  
 OPDR  
 PADIB  
 PAFVED  
 PAMU  
 Parish of Mulamba  
 Parish of Mwanda  
 PAV  
 Peasant Actions for the Development and  
 Conservation of Nature (APDCN)  
 Pedagogical Application School  
 Plantation Lushesha  
 Plantation Mpozi  
 Plantation Nfundiko  
 Plantation Olive  
 Plantation Tshaya  
 Plantation Vany Bishweka  
 POTIEN/KN  
 RADR Asbl  
 RAEDI  
 RIARD  
 Rugwasanye  
 Rural Development Center (CEDERU)  
 Salama Food  
 SEPA  
 Shelter Improvement Association (ABRIFAM)  
 SJEA  
 SOD  
 SODA  
 Soeur Oblade  
 Solidarity Action to Support Endogenous Development (ASADE)  
 Solidarity and Development Association for the Congo (ASDC)  
 Solidarity of Women Activists for the Defense of  
 Human Rights (SOFAD)  
 SOPADEP  
 SOWED  
 Sustainable Development Support Program (PAD)  
 SYFAD  
 Tetra Tech  
 Tumaini Coffee Cooperative (TCC)  
 UNACODIS  
 Union for the Emancipation of Families (UFEDI)  
 Union for the Empowerment of Native Women (UEFA)

Union of Volunteers for Integral Development (UVDI)  
 Unite for Cohabitation, Self-Promotion and  
 Integrated Development (UCADI)  
 University of Kalemie (UNIKAL)  
 University of Lubumbashi  
 VANY BISHWEKA  
 VASF  
 Vinciane  
 Vulnerable Support Program (PAV)  
 Vision Future  
 Women's Association for the Promotion and Endogenous  
 Development (AFPDE)  
 Young Dynamics of Malulku (JDM)  
 Youth and Future (JEUNIR)

### **India**

Aarti Flour Mill  
 Aggarwal Enterprises  
 Ahar Foundation  
 Akshansh Farmer Producer Company  
 Alliance Agri-Tech  
 Amreshagiri Farmer Producer Company  
 Andhan Farmer Producer Company Ltd  
 Anmol Farmer Producer Company  
 Antyodaya Farmer Producer Company  
 Aradhya Trading  
 Atyulya Farmre Producer Company  
 Bajika Farmer Producer Company Ltd  
 Banaras Hindu University (BHU)  
 Basant Agrotech (I) Limited  
 Bettiah Diocesan Social Service Society (BDSSS)  
 Bhardwaj Foundation  
 Bhartiya Lok Vikash Evam Shodh Sansthan (BLVSSS)  
 Bihar Agricultural University (BAU)  
 Bihar Rashtriya Beej Nigam (BRBN)  
 BIOECO Farmer Producer Company  
 Bombay Super Hybrid Seeds  
 Borlaug Institute for South Asia – BISA  
 Buxar FPC Limited  
 CCS Haryana Agricultural University  
 Daftari Agro Biotech Pvt Ltd  
 Delta Agri Genetics  
 Dhule College of Agriculture  
 Emadhuban FPC  
 Gandhar Agro Tech Farmer Producer Company,  
 Gramin Development Services (GDS)  
 Gramin Uthan Evam Vaikalpik Vikas Samiti (GUEVVs)  
 Green Agrevolution Private Limited  
 GS Agro Pvt Ltd  
 Hariyali Group  
 ICAR - All India Coordinated Research Project on  
 Pearl Millet (AICRP)  
 ICAR - Indian Agricultural Research Institute (IARI)  
 ICAR - Indian Institute of Wheat and Barely Research (IIWBR)  
 ICAR - RCER-Patna & KVKs,  
 Indian Agricultural Research Institute (ICAR)



Indian Institute of Rice Research (IIRR),  
Indira Gandhi Krishi Vishwavidyalaya (IGKV)  
International Center for Agricultural Research in the  
Dry Areas (ICARDA)  
International Crops Research Institute for the  
Semi-Arid Tropics (ICRISAT)  
International Maize and Wheat Improvement Center (CIMMYT)  
International Rice Research Institute (IRRI)  
JEEViKA  
JK Agri Genetics Limited  
Junagadh Agricultural University (JAU)  
Karnataka State Seeds Corporation Limited (KSSC)  
Khistiz Agro Tech Private Limited  
Maa Annapurna Farmer Producer Company  
Maharashtra State Seeds Corporation Ltd (MSSC)  
Mahatma Phule Krishi Vidyapeeth (MPKV)  
Marthwada Agricultural University (MAU)  
Metahelix Lifesciences Pvt Ltd  
Moti Seeds  
Nauabatpur Farmer Producer Company Ltd  
Navshreejan Farmer Producer Company  
NIDAN  
Nirmal Seeds Pvt Ltd  
Nuziveedu Seeds Pvt Ltd  
Orissa University of Agriculture and Technology (OUAT)  
Piprakothi Farmer Producer Company  
PRADAN  
PRAN  
Prof. Jayashankar Telangana State Agricultural University (PJTSAU)  
Protein Food and Nutrition Development  
Association of India (PFNDAI)  
Punjab Agricultural Research Board (PARB)  
Punjab Agricultural University (PAU)  
Quality Hybrid Seeds Co Pvt Ltd  
Rajendra Prasad Central Agricultural University – (RPCAU)  
Ratnagiri Seeds & Farm  
Reliance Foundation  
Rural Development Council (RDC)  
Saharsa Woman Jeevika Producer Company  
Sahyogi Agro Producer Company  
Samagra Shikshan Ewam Vikas Sansthan (SSEVS)  
Sewa Bharat  
Shambhavi Farmer Producer Company  
Sone Ganga Seeds  
Sood Seeds  
Sri Karan Narendranath Agricultural University (SKNAU)  
Sustainable Human Development Association (SHDA)  
Swami Keshwanand Rajasthan Agricultural University (SKRAU)  
Syngenta Foundation  
Taal Farmer Producer Company  
Tamil Nadu Agricultural University (TNAU)  
Tetariya Agro-ecology Farmer Producer Company  
Tilouthu Farmer Producer Company  
Tirkut Krishak Producer Company Limited  
Trust Community Livelihood  
Umangshree Concept Pvt Ltd  
Unnati Farmer Producer Company

Vasantrao Naik Marathwada Krishi Vidyapeeth Parbhani (VNMKV)  
Wheat Berry Agro Tech (WBAT)

#### **Indonesia**

Government of Indonesia (BAPPENAS)  
Indonesian Center for Rice Research (ICRR)

#### **Kenya**

Agriscope (Africa) Ltd – Formerly East Africa Seed Company  
Bubayi Products  
Global Alliance for Improved Nutrition (GAIN)  
Jomo Kenyatta University of Agriculture and Technology  
Kenya Agricultural & Livestock Research Organization (KALRO)  
Ministry of Agriculture- Agri-Nutrition Department  
Ministry of Health- Nutrition Department  
Nutrition International  
One Acre Fund  
Pan-Africa Bean Research Alliance (PABRA)  
Seed Co Kenya  
World Food Program (WFP)  
World Vision Kenya  
Advanta seeds International.  
Alliance for Green Revolution in Africa (AGRA)  
Rockefeller Foundation-Kenya Office  
Nutri and Delish

#### **Malawi**

Africa Fertilizers and Agribusiness Partnership (AFAP)  
Agriche  
Alliance for a Green Revolution in Africa (AGRA)  
CDI  
CIP  
COMSIP Union  
Department of Agricultural Extension Services (DAES)  
Department of Agricultural Research Services (DARS)  
Department of Nutrition, HIV & Aids (DHNA)  
Ekwendeni Hospital Aid Support Unit  
Farmers Union of Malawi  
FAO  
FOCUS  
Global Seeds  
Kvuno Hub  
Malawi Prison Farms  
Ministry of Education School Feeding Program  
M'mgomera Seeds  
Mphalabungo CBO  
Multi Seeds Company  
Nascent Solutions Inc.  
Perisha Agro Packaging  
QualiBasic Seeds (Zambia)  
Seed Co Malawi Ltd  
Seed Tech  
Self Help Africa  
Small-scale Livestock and Livelihood Program  
SMEDI  
Tafika Youth Group  
Total Land Care

U.S. Agency for International Development (USAID)  
World Bank

#### **Nigeria**

Accelerating Nutrition Results in Nigeria (ANRiN)  
ACE Foods  
African Union New Partnership for Africa's Development (AU/  
NEPAD)  
Agricultural Graduates Association of Nigeria (AGAN)  
Agricultural Society of Nigeria  
AgroShop  
Ahalson Enterprises  
Akwa Ibom State Agribusiness Directorate  
Akwa Ibom State Agricultural Development Programme (AKADEP)  
Akwa Ibom State University (AKSU)  
All Farmers' Association of Nigeria (AFAN)  
Association of Registered Seed Companies of Nigeria  
Association of Vitamin A Cassava Entrepreneurs (AVACE)  
At Risk Children's Program (ARC-P)  
Atafi Agro Merchandise Services  
August Secrets  
BDB Divine Ventures Ltd  
Benue State Agricultural Development Programme (NARDP)  
Budget, Planning, and Development Partners Coordination,  
Gombe State  
Budu Foods  
Bureau of Budget & Planning, Kaduna State  
Cassava Growers Association of Nigeria (CAPAN)  
CATO Foods  
Centre for Dryland Agriculture (CDA), Bayero University, Kano  
Cropshares  
Cross River State Agricultural Development Programme (CRADP)  
Crowther Foods  
Crunch Foods  
Dala Foods  
Dallah Foods  
Dangote  
Delight Foods  
Department of Human Nutrition and Dietetics, University of Ibadan  
Development Dynamics  
Divine Recipes & Flavors  
Domise Foods  
Ecko Garden  
ElKanis and Partners Nigeria  
Esomochi Foundation  
Farm Produce Marchent Association  
FCMB Micro Finance Bank  
Federal Ministry of Agriculture and Rural Development (FMARD)  
Federal Ministry of Budget and National Planning  
Federal Ministry of Health (FMoH)  
Forward Africa  
Foundation for Livelihood Advancement  
Friesland Campina Wampco  
GAINCODE  
Galawaki Seeds  
Global Alliance for Improved Nutrition (GAIN)  
Gold Agric

Gombe State Agricultural and Rural Development Authority  
 GraceCo Foods  
 GrainPro  
 Green Sahel and Rural Development Initiative  
 Greenspore Seeds  
 Hallico Foods  
 Helen Genius Agro  
 Home Grown School Feeding Programme (HGSFP)  
 Human Empowerment and Development Project (HEMADEP)  
 Institute for Agricultural Research (IAR) / IAR Seed Company  
 International Crops Research Institute for the  
 Semi-Arid Tropics (ICRISAT)  
 International Fertilizer Development Center (IFDC)  
 International Institute for Tropical Agriculture (IITA)  
 International Potato Center (CIP)  
 Iseoluwa Foods  
 Jessy Ojoma Drive for Environmental  
 Development Foundation (JODED-F)  
 Jigawa Agriculture & Rural Development Authority (JARDA)  
 Jigawa State Ministry of Health (Nutrition Department)  
 Jirkur Seeds  
 Justice Development and Peace Commission (JDPC)  
 Kaduna State Multi-Sectoral Team/National Home Grown School  
 Feeding Programme  
 Kaduna State, Ministry of Agriculture  
 Kagara Local Government Council, Agriculture Department  
 Kano State Agricultural and Rural Development  
 Kantoblad Enterprise  
 Kellogg's  
 Krunch Foods  
 Magnitude Plus Media  
 Maina Seeds  
 Maize Association of Nigeria (MAN)  
 Maize Growers, Processors and Marketers  
 Association of Nigeria (MAGPAMAN)  
 Mamora Seeds  
 Maslaha Seeds  
 Micmakin Nigeria Limited (Oyato Foods)  
 Ministry of Budget and Planning  
 Moor Plantation  
 Motherhen Development Foundation  
 Namalcho  
 Nasarawa State Agricultural Development Programme (NARDP)  
 National Agricultural Extension and Research  
 Liaison Services (NAERLS)  
 National Agricultural Seed Council  
 National Home Grown School Feeding Program  
 National Orientation Agency  
 National Root Crops Research Institute (NRCRI), Umudike  
 News Agency of Nigeria (NAN)  
 Niger State Agricultural and Mechanization  
 Development Agency (NAMDA)  
 Niger State, Ministry of Agriculture  
 Niji Lukas Nigeria Limited (Niji Foods)  
 North Central Agro Input Dealers Association (NOCAIDA)  
 Obafemi Awolowo University (OAU)

Ogun State, Ministry of Agriculture  
 Oyo State Agricultural Development Program (OYSADEP)  
 Pacific Ring West Africa  
 Partnership for Child Development (PCD)  
 Premier Seeds  
 Promasidor  
 Prothrive Asute Heights Ltd  
 Rahaman Foods  
 Ramala Seeds  
 Redeemed AIDS Programme Action Committee  
 (RAPAC), Benue State  
 Rotary  
 SAA Seeds Nig. Ltd.  
 Sadiq and Nana Seed  
 Saled Soba and Sons Ltd  
 Sasakawa Global 2000  
 Savannah Seeds  
 Scaling Up Nutrition (SUN) Business Network  
 Seed Peers  
 SeedCo  
 Sen. Adeyemo Women Empowerment Coop (SAWEC)  
 Silver Bullet Nigeria  
 SPECTRA Foods  
 Techniseed  
 TechnoServe  
 The Child's Food  
 The Guardian Newspaper  
 The Nation Newspaper  
 ThisDay Newspaper  
 Tito's Catering  
 Tolaram  
 Top Aim Printing Press  
 Tukunyar Gwari Seeds  
 University of Ibadan, Oyo State  
 Value Seeds  
 WACOT Seeds  
 WaliTaura Seeds  
 WUL Nigeria Ltd

#### **Pakistan**

Abad Seed Company, Jhang  
 Agri Heads- FaisalabadAlHaider Seed Company, Rajanpur  
 Anaj Seed Corporation-Rajanpur  
 Alzaraun Seed Corporation, BahawalpurAyub Agricultural Research  
 Institute, Faisalabad  
 Baba Fareed Seed Company, Vehari  
 Bahar Seed Company, Rahim Yar Khan  
 Chatha Seeds, Vehari  
 Data Agro Services-Khanewal  
 Family's Farm Foods, Lahore  
 Fatima Fertilizer Company Limited-Lahore  
 Fauji Fertilizer Company Limited-Rahim Yar KhanFederal Seed  
 Certification & Registration Department (FSC&RD)  
 Fertile Seed Corporation-Rahim Yar Khan  
 Hudaibia Seed Company, DGKhan  
 Indus Seed Company, Rajanpur

Jullundur Seed Corporation, Rahim Yar Khan  
 KANZO Group of Companies-Multan  
 Khawateen (Women) Welfare Council, Bahawalpur  
 Manpasand Seed Company, Rahim Yar Khan  
 Ministry of National Food Security & Research  
 Ministry of National Health Services, Regulation and Coordination  
 Ministry of Planning, Development and Reform  
 Mumtaz Seed Corporation-Rahim Yar Khan  
 MNS Agriculture University, Multan  
 National Agricultural Research Center (NARC)  
 National Agricultural Research System (NARS)  
 Neelam Seed Corporation, Multan  
 Network of Organizations for Agricultural Development - Khanewal  
 Pakistan Agricultural Research Council, Islamabad  
 Prime Seeds-Rahim Yar Khan  
 Punjab Planning & Development (P&D)-Lahore  
 Punjab Food Department -Lahore  
 Punjab Seed Corporation, Lahore  
 Resham Seed Corporation, Rahim Yar Khan  
 Rural Development Foundation- Khanewal  
 Scaling Up Nutrition (SUN)  
 S.H. Seeds-Faisalabad  
 Shoaib Seed Corporation, Sukkur  
 Sun Crop, Multan  
 Supreme Seed Int.-Rahim Yar Khan  
 Tara Group of Companies/ Seed, Lahore  
 Tez Rao Seed Pvt.Ltd.-Rahim Yar Khan  
 Trigon Int. Multan  
 Tri Star Seed Company-Rahim Yar Khan  
 V-Grow Seed Company-Rahim Yar Khan  
 Zamad Seed Company, Rahim Yar Khan  
 4-Brothers, Lahore

#### **Rwanda**

Aggregator Trust Rwanda  
 Clinton Development Initiative (CDI)  
 FarmFresh  
 IGREC Rwanda International Growth Research and Evaluation  
 Center (IGREC)  
 Ministry of Agriculture and Animal Resources (MINAGRI)  
 Rwanda Agriculture Board (RAB)

#### **Tanzania**

Advanta Seeds Africa  
 Clinton Development Initiative  
 Crop Bioscience Solution Ltd  
 Global Alliance for Improved Nutrition (GAIN)  
 Meru Agro-Tours and Consultant Co. Ltd  
 Ministry of Agriculture  
 Ministry of Education  
 Nutrition International  
 Office of the Prime Minister  
 Provincial Governments (Central, Lake Zone, Southern Highlands,  
 Kagera)  
 Syova/Agriscopes (Africa) Ltd  
 Tanzania Agricultural Research Institute (TARI)



World Vision Tanzania  
Tanzania Food and Nutrition Centre (TFNC)  
Partnership for Nutrition in Tanzania (PANITA)  
World Food Program Tanzania  
Farm to Market Alliance (FtMA)  
Yara Tanzania  
Nutrition International Tanzania

#### **Uganda**

Nutreal  
Namugongo Millers Ltd.  
SESACO  
Lishe processors  
Bake n Flake  
Jonisa Bakers  
Divine Organic Foods  
Farm Radio International  
Capital FM Radio  
Central Uganda Sweet Potato and Seed Multiplier Association (CUSSEMA)  
Northern Uganda Seed Multipliers Association (NUSEMA)  
Eastern Uganda Seed Multipliers Association (EUSEMA)  
Western Uganda Seed Multipliers Association (WUSEMA)  
Kanyamaizi Seed producers  
Kyazanga Farmers' Cooperative Society  
Ministry of Agriculture, Animal Industry and Fisheries  
Ministry of Health  
Office of the Prime Minister  
Namulonge Vegetable Seeds producers  
NASECO Seeds  
National Agricultural Research Organization (NARO)  
National Crops Resources Research Institute (NaCRRI)  
Peace Corps  
Pearl Seeds  
SASAKAWA Africa Association  
Self Help Africa  
World Vision Uganda

#### **Zambia**

260 Brands (Seba Foods)  
Advanta Seed  
AfriSeed  
AgResults  
Arume Quiver  
Bean Networks  
Butemwe Milling  
Care International  
Caritas  
Chalasha Multi-Purpose Cooperatives  
Centre for International Forestry Research (CIFOR)  
Chimusoro Milling  
Choma Milling  
Civil Society Organisation on Scaling Up Nutrition (CSO-SUN)  
Concern WorldWide  
Centre for International Forestry Research (CIFOR)  
Community Technology Development Trust (CTDT)

Development Aid from People to People (DAPP)  
Fanyate Milling  
Future Seeds  
FVG Milling  
Good Nature Agro  
Indaba Agricultural Policy Research Institute (IAPRI) Kamano Seed  
International Fund for Agriculture Development (IFAD)  
International Institute of Tropical Agriculture (IITA)  
International Maize and Wheat Improvement Center (CIMMYT)  
International Potato Centre (CIP)  
Iowa State University  
Jacaf Youth Enterprises  
Johns Hopkins Bloomberg School of Public Health  
Kamano Seed Co.  
Lwazim Limited  
Libala Market Store  
Michigan State University, Micronutrient Malnutrition Taskforce  
Ministry of Agriculture  
Ministry of Community Development and Social Services  
Ministry of Education  
Ministry of Health  
Ministry SME  
Misamfu SGA  
MKP Farms  
Mumurite  
Musanza Milling  
Musika  
Mushe Milling  
Nushili Beans  
National Food and Nutrition Commission (NFNC)  
National Institute for Scientific and Industrial Research (NISIR)  
Natural Resource Development College (NRDC)  
Novatek  
NutriAID  
Peace Corps  
Purdue University, SEED Solutions  
Programme Against Malnutrition (PAM)  
ProfitPlus  
Scaling Up Nutrition (SUN) Business Network  
Seba Foods  
SeedCo  
Self-Help Africa (SHA)  
SHAIS Foods  
Share Africa  
Star Milling  
Sylva Group of Companies  
Tilland Milling  
Total Land Care  
Tropical Disease Research Center (TDRC)  
Tundwe Milling  
Twala Farms  
United Nations Food and Agriculture Organisation (FAO)  
United Nations High Commission for Refugees (UNHCR)  
University of Wisconsin-Madison  
University of Zambia  
University of California

Van Burdet  
WorldFish (WF)  
World Food Programme (WFP)  
World Vision/Vision Fund  
Yoyo Foods  
Zambia Agriculture Research Institute (ZARI)  
Zambian Fertilizer/FTG,  
Zambia Commodity Exchange (ZAMACE)  
Zambia Seed Traders Association (ZASTA)  
ZamSeed  
Zambezi Seed

#### **Zimbabwe**

Abide Nursery  
Africa Preserve  
African Granary  
Agricultural Rural Development Authority (ARDA) Seeds  
Bucabella Nursery  
Cairns Foods  
Champion Seeds  
Chiko Foods  
Chinhoyi University of Technology  
Community Capacity Building Initiative Centre for Africa (CCBICA)  
Community Technology Development Trust (CTDT)  
Erikah  
Family Table Food  
Food & Nutrition Council (FNC)  
Food and Agriculture Organization (FAO)  
Grow Crop Zimbabwe  
Higherlife Foundation  
Horticulture Research Institute  
Indaba Agricultural Policy Research Institute (IAPRI)  
International Maize and Wheat Improvement Center (CIMMYT)  
IQ Farmer  
Lead Trust  
Ministry of Health & Child Care  
Ministry of Lands, Agriculture, Fisheries, Water, Climate, and Rural Development  
Mukushi Seeds  
National Foods Holding Limited  
National Tested Seeds  
Pan-Africa Bean Research Alliance (PABRA)  
Prime SeedCo  
SkyBrands  
Smallholder Irrigation Revitalization Program (SIRP)  
SNV  
Super Foods  
Tosek  
UNICEF  
University of Zimbabwe  
Zimbabwe Super Seeds

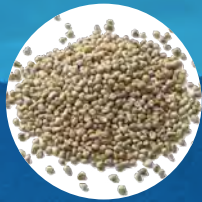


# Biofortified Crops



## IRON BEAN

*For Nutrition:* Provides up to 80% of daily iron needs  
*For Farmers:* High yielding, virus resistant, heat and drought tolerant • *CGIAR Partner:* The Alliance of Bioversity International and CIAT



## IRON PEARL MILLET

*For Nutrition:* Provides up to 80% of daily iron needs  
*For Farmers:* High yielding, mildew resistant, drought tolerant • *CGIAR Partner:* ICRISAT



## VITAMIN A ORANGE SWEET POTATO

*For Nutrition:* Provides up to 100% of daily vitamin A needs • *For Farmers:* High yielding, virus resistant, drought tolerant • *CGIAR Partner:* CIP



## VITAMIN A CASSAVA

*For Nutrition:* Provides up to 100% of daily vitamin A needs • *For Farmers:* High yielding, virus resistant • *CGIAR Partner:* IITA and Bioversity/CIAT



## VITAMIN A MAIZE

*For Nutrition:* Provides up to 50% of daily vitamin A needs • *For Farmers:* High yielding, disease and virus resistant, drought tolerant  
*CGIAR Partner:* CIMMYT and IITA



## ZINC WHEAT

*For Nutrition:* Provides up to 50% of daily zinc needs • *For Farmers:* High yielding, disease resistant • *CGIAR Partner:* CIMMYT



## ZINC RICE

*For Nutrition:* Provides up to 40% of daily zinc needs  
*For Farmers:* High yielding, disease and pest resistant  
*CGIAR Partner:* IRRI and Bioversity/CIAT



## ZINC MAIZE

*For Nutrition:* Provides up to 70% of daily zinc needs  
*For Farmers:* High yielding, virus resistant  
*CGIAR Partner:* CIMMYT and IITA



**HarvestPlus**  
Better Crops • Better Nutrition



**IFPRI**



**CGIAR**

**HARVESTPLUS.ORG**

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