

Partnering to Scale Innovation

ANNUAL REPORT 2017



HarvestPlus develops and promotes biofortified staple food crops to improve human health and nutrition, and provides global leadership on biofortification evidence and technology.

A Hidden Problem

More than two billion people in the world do not get enough essential vitamins and minerals, such as vitamin A, iron and zinc, in their daily diets. Those living with this type of hidden hunger may appear healthy, but are vulnerable to illness, infection and even death.

VITAMIN A DEFICIENCY

- Impairs growth
- Causes eye damage leading to blindness
- Increases risk of infections such as diarrheal disease

IRON DEFICIENCY

- Impairs mental development and learning capacity
- Increases weakness and fatigue
- May increase risk of women dying in childbirth

ZINC DEFICIENCY

- Contributes to stunting and loss of appetite
- Lowers immunity
- Increases risk of diarrheal disease and respiratory infections

HarvestPlus Crops

We support countries globally to test and release biofortified nutritious crops so that farmers and consumers can enjoy the benefits of them.



BEANS

Nutritional Benefits: Provides up to 80% of daily iron needs

Farmer Benefits: High yielding, virus resistant, heat and drought tolerant



MAIZE

Nutritional Benefits: Provides up to 50% of daily vitamin A needs

Farmer Benefits: High yielding, disease and virus resistant, drought tolerant



PEARL MILLET

Nutritional Benefits: Provides up to 80% of daily iron needs

Farmer Benefits: High yielding, mildew resistant, drought tolerant



WHEAT

Nutritional Benefits: Provides up to 50% of daily zinc needs

Farmer Benefits: High yielding, disease resistant



CASSAVA

Nutritional Benefits: Provides up to 100% of daily vitamin A needs

Farmer Benefits: High yielding, virus resistant



SWEET POTATO

Nutritional Benefits: Provides up to 100% of daily vitamin A needs

Farmer Benefits: High yielding, virus resistant, drought tolerant



RICE

Nutritional Benefits: Provides up to 40% of daily zinc needs

Farmer Benefits: High yielding, disease and pest resistant

Dear Friends,

A world without two billion people suffering from micronutrient deficiencies is within humanity's grasp. As part of this vision, imagine a future where most of the staple foods grown and consumed in developing countries are biofortified.

Crop development research by CGIAR Centers and national agricultural research systems has been central to the success of biofortification. To date, more than 290 biofortified varieties of 12 staple food crops have been released or are in testing in more than 60 countries around the world. In selected countries, seed and marketing specialists are working across value chains to introduce and speed up the adoption of biofortified crops. Thanks to the dedicated efforts of hundreds of partners, 50 million people in farm households are growing and eating biofortified foods. Yet the work has only just begun.

The evidence continues to build that biofortification improves lives. Lessons learned from almost five years of delivery were published in a special issue of the *African Journal of Food, Agriculture, Nutrition and Development*. New nutrition research findings indicate iron-biofortified beans not only reduce iron deficiency, but also improve cognitive and physical performance. These promising results follow earlier data about significant reductions in disease and iron deficiency and improved night vision.

Bringing agriculture to the forefront of efforts to reduce malnutrition may have once seemed implausible and impractical, but ideas and seeds can be powerful things. Last year, we were named a Food Innovator by LAUNCH, and USAID inducted us into their coveted Million Lives Club in recognition of our impact. We were honored to be one of only four finalists out of 1,904 applicants in the MacArthur Foundation's prestigious *100&Change* competition, which raised the profile of biofortification globally and connected us to new partners and friends.

Because the impacts of agricultural interventions develop inexorably but relatively slowly over time, this success could only have happened due to the long-term and sustained support of the UK Department for International Development, the Bill & Melinda Gates Foundation, and numerous other donors. Now also with new funding from the MacArthur Foundation and a new strategic plan guiding our work over the next five years, we will continue to persevere to multiply the health impacts of biofortified crops.

Our shared quest to nourish the most vulnerable may have once seemed revolutionary. Today it is transforming our ability to address and prevent malnutrition. Our diverse partners around the world — researchers in agriculture, human nutrition, food science, economics, and genetics; seed and food companies; those involved in farm extension; national and multinational policymakers from multiple sectors—all make scaling this innovation possible.

With gratitude to our many partners,

Haworth E. Bawa

Founder and CEO, HarvestPlus



Where We Work

HarvestPlus works with diverse partners from government, business and civil society to develop, test and release biofortified crops; educate farmers and consumers on the benefits of these crops; and build markets to ensure these nutritious foods reach as many people as possible.

GUATEMALA
EL SALVADOR

HONDURAS

NICARAGUA

PANAMA

COLOMBIA

HAITI

BRAZIL

BOLIVIA

NIGERIA



VIT A MAIZE



VIT A CASSAVA

The annual Nutritious Food Fair was attended by over 7,000 value chain actors and multi-sectoral partners, strengthening partnerships and awareness of biofortification.



VIT A CASSAVA



ZINC MAIZE



VIT A SWEET POTATO



IRON BEANS



ZINC RICE

LATIN AMERICA & THE CARIBBEAN

Because no single staple food crop is dominant in this region, families consume a variety of biofortified foods, including iron beans, zinc rice, vitamin A cassava, vitamin A maize, zinc maize, and vitamin A orange sweet potato.

DEMOCRATIC REPUBLIC OF CONGO



IRON BEANS



VIT A CASSAVA



VIT A MAIZE

In 2017 alone, HarvestPlus enabled 530,000 children under the age of five and more than 560,000 women of child-bearing age to access and consume iron rich beans and vitamin A rich cassava and maize. This achievement was made possible through strategic partnerships with agriculture technical schools, health facilities and smallholder farmers from across the country.

ZAMBIA



VIT A MAIZE

Families in 55 of the 110 districts in Zambia can now plant and consume nutritious vitamin A maize.

Approximately

33



million

people are growing and eating these healthier crops in countries where HarvestPlus works, and adoption continues to accelerate.



ZINC WHEAT

PAKISTAN

Only two years after introduction, thousands of farmers have been trained and more than half a million people are consuming zinc wheat.



ZINC WHEAT



ZINC RICE

BANGLADESH

Public, private, and non-governmental partners are mainstreaming zinc rice into their research and agricultural extension programs and product portfolios. Zinc wheat and iron-zinc lentils are also increasingly available.



VIT A SWEET POTATO



IRON BEANS

UGANDA

Ugandan President Yoweri Museveni launched the release of high iron beans as an agricultural strategy addressing malnutrition.

NIGERIA

UGANDA

RWANDA

DEMOCRATIC
REPUBLIC
OF CONGO

ZAMBIA

ZIMBABWE



IRON PEARL MILLET



ZINC WHEAT



ZINC RICE

INDIA

14 private seed companies, 7 public institutions, and 3 NGOs are developing high-iron pearl millet varieties, testing them, and evaluating new products. Setting of minimum standards of iron and zinc levels is now a core requirement for inclusion in the national pearl millet testing trials.



IRON BEANS



VIT A MAIZE

RWANDA

In partnership with community based private grain traders and the local agricultural extension system *Twigire Muhinzi*, 22 grain aggregation centers were established to link iron bean producers to markets and improve access to the product by consumers. More than a third of the total iron bean seed dissemination occurred through this extension service.

ZIMBABWE

One million people are already consuming vitamin A maize and iron beans only 2.5 years after their release in partnership with the Livelihoods and Food Security Programme funded by the UK Department for International Development.



IRON BEANS



VIT A MAIZE

Successes: Research and Programs

Our impact is underpinned by a rigorous evidence-based approach.

290

VARIETIES OF 12 STAPLE FOOD
crops have been released or are in testing in 60 countries.

29

NEW VARIETIES

of several biofortified crops were released in 2017 across Latin America and the Caribbean, Asia and Africa, including the first release of zinc maize, in Honduras.



8M

MORE PEOPLE GREW AND ATE
BIOFORTIFIED CROPS IN 2017

In recent years, peer-reviewed clinical trials have demonstrated that biofortified foods have a positive impact in health and nutritional status, including:

- ✓ reduction in the prevalence of diarrhea among children under three
- ✓ reversal of iron deficiency in children and women
- ✓ improved cognitive and physical performance in women and children
- ✓ improved night vision in children

440

PARTNERS

We have collaborated with more than 440 partners globally to develop, deliver and promote biofortified crops

102

PUBLICATIONS

In 2017, 102 publications published and seven citations in policy reports

20

COUNTRIES

20 governments have now incorporated biofortification into their national health and agriculture strategies and plans





The *100&Change* competition began in 2016 with 1,904 applicants on a quest for US\$100 million to solve a critical problem. After a rigorous evaluation process, HarvestPlus made it to the final four. We were thrilled when our proposal for scaling up biofortified crops to help alleviate hidden hunger in Africa was awarded US\$15 million. This generous support will allow us to reach more families with biofortification, giving generations of children the opportunity to live, learn and grow to their full potential.



Portraits of Partnership

Around the world, hundreds of organizations, from research institutes to public and private sector partners to local and global nongovernmental organizations, help us develop and disseminate nutrient-rich crops. Ensuring biofortified crops meet nutritional needs and are attractive to farmers and consumers necessitates collaboration with plant breeders, nutritionists, economists and behavior change experts. Here are just a few of the over 400 partners who make this groundbreaking work possible.



Asia

Private partnerships: Sustaining our impact

Over the past five years, HarvestPlus Bangladesh has made significant progress in reaching low-income rural families with zinc rice. By the end of 2017 the total number of zinc rice growing and consuming households had reached 1.26 million.

“In a country where 99% of people eat rice every day and nearly 40% of children are stunted due to a lack of zinc in their diets, this biofortified food is a major breakthrough,” says Bangladesh Country Manager Dr. Khairul Bashar.

These results garnered the attention of PRAN, the largest food distribution company in Bangladesh, which agreed to purchase zinc rice directly from farmers in northern Bangladesh. The pilot was such a success that PRAN entered into a formal partnership with HarvestPlus to expand the project to 120,000 farmers and to sell zinc rice through their distribution network.

“Everything we do focuses on our main goal: improving the health of vulnerable children and women,” says Dr. Bashar. “Farmers are eager to participate because the opportunity to sell their zinc rice surplus to the largest food distributor in the country gives them a predictable source of income over the long term.”

Consumers living in rural areas and purchasing food from shops where PRAN sells can also benefit from the added nutrients. The company’s sales to other countries around the world could allow even more families to benefit from biofortification.



Africa

Community partnerships: Expanding our impact

In Zambia, the learning and earning potential of 40% of children under five has been stunted by malnutrition. HarvestPlus saw a way to help feed schoolchildren in a nutritious and educational way: a competition to show children the benefits of adding the color orange—from vitamin A maize—to their health.

Adding biofortified foods to school meals not only helps scale the impact of biofortification, it's also a viable solution for many institutions. "A lot of schools have available arable land," says Khululiwe Dlamini, HarvestPlus' regional marketing specialist in Africa. "Enabling schools to grow vitamin A orange maize gets nutrition sustainably to children, building healthier future generations."

Students at four primary schools grew a hectare (2.5 acres) of vitamin A orange maize. While the children cared for their vitamin A orange maize plants, the teachers helped the students learn about the nutritional benefits of this crop. Once the maize was harvested, a cooking demonstration allowed students and their parents to taste their hard work.

"We want to influence diet choices starting at a young age, so that children not only make good choices for themselves, but also take that knowledge home to their parents and influence decisions in the household," explains Emely Mwale, HarvestPlus' demand creation expert.

While all the students came away with new school supplies and a new awareness of the important role of vitamin A in helping them grow up healthy, one school received a special reward for the success of their harvest. For their 48,880 maize cobs, the Chipapa Primary School earned a hammer mill to grind maize for income and student consumption. More edifying and edible competitions are expected in neighboring countries in the near future.

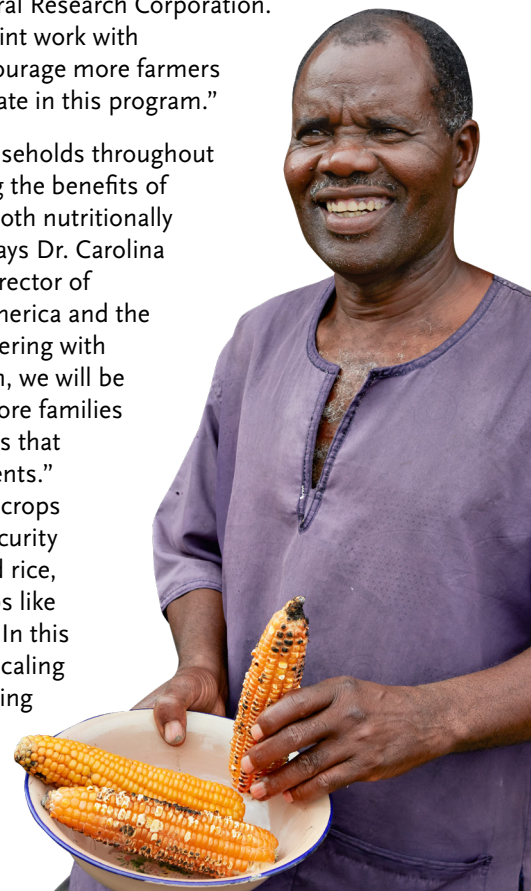
Latin America

Public partnerships: Embedding our impact

After 50 years of civil war, Colombia is implementing a national program to reintegrate former combatants into their communities and encourage farmers to transition from illegal crops like coca and poppy to growing staple food crops. Biofortification is part of that solution.

"Beyond their nutritional value, biofortified crops in this area are widely known to meet farmers' demands for yield, quality and climate tolerance," says Julio Ramírez, Head of the Seed Department at the Colombian Agricultural Research Corporation. "We hope that our joint work with HarvestPlus will encourage more farmers to choose to participate in this program."

"Already, 10,000 households throughout Colombia are reaping the benefits of biofortified crops—both nutritionally and economically," says Dr. Carolina González, Deputy Director of HarvestPlus Latin America and the Caribbean. "By partnering with this national program, we will be able to reach even more families with biofortified crops that provide critical nutrients." These include staple crops important to food security like maize, beans and rice, and commercial crops like cocoa or sugar cane. In this way we are not only scaling innovation—but scaling hope.



Governance

HarvestPlus is a joint venture between the International Center for Tropical Agriculture (CIAT) and the International Food Policy Research Institute (IFPRI). The Boards of Trustees of CIAT and IFPRI have delegated the responsibility for oversight of HarvestPlus to a Program Advisory Committee, which acts in effect as a Board of Trustees for HarvestPlus.

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United States

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CIAT
Colombia

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Bank of America
United States

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Director of Nutrition,
Ghana Health Service

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Director General, ICBA
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London School of Hygiene and
Tropical Medicine
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International Potato Center
Peru

John Edward Hamer

Managing Partner, Data Collective
United States

* Joined in 2018



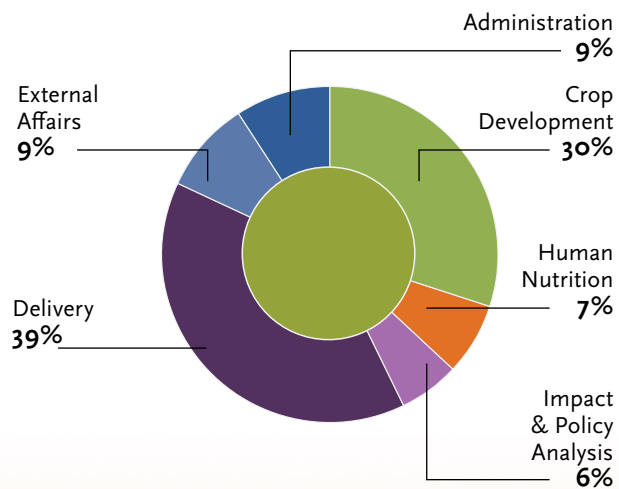
Our team

Representing more than 20 countries, HarvestPlus staff bring many years of experience from across different disciplines and from public, private, academic and nongovernmental sectors to address the problem of micronutrient malnutrition. HarvestPlus staff are based at the International Center for Tropical Agriculture (CIAT) in Cali, Colombia, or the International Food Policy Research Institute (IFPRI) in Washington, D.C. Many are posted in countries where biofortified staple crops are being delivered. There are HarvestPlus offices or team members in Bangladesh, Brazil, Colombia, the Democratic Republic of Congo, Guatemala, India, Nicaragua, Nigeria, Pakistan, Rwanda, Uganda, Zambia and Zimbabwe.

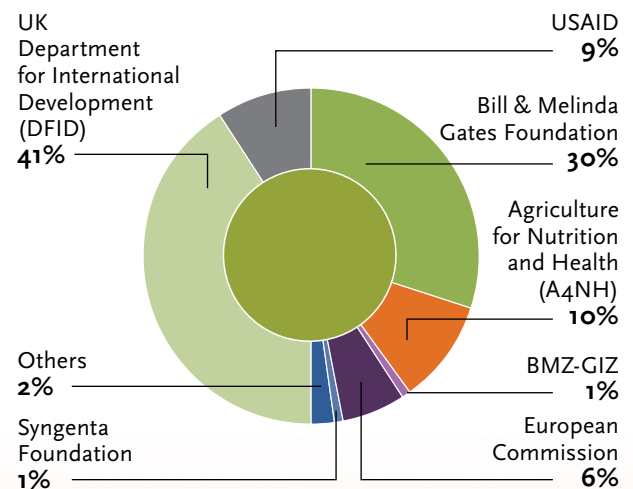
Financial Summary

In 2017, the UK Department for International Development granted an additional £4 million to help increase private sector involvement in the delivery of biofortified crops in Africa and South Asia. The Bill & Melinda Gates Foundation awarded an additional US\$6 million in funding, allowing us to expand our work in biofortification to two new Indian states (Bihar and Odisha) over the next five years. As a finalist in the MacArthur Foundation's *100&Change* competition, we were awarded \$15 million to scale up our work in Africa in the next three years.

Unrestricted Disbursements



2017 Donors





Partners

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

CG CENTERS

Bioversity International
Center for International Forestry Research (CIFOR)
International Center for Agricultural Research in the Dry Areas (ICARDA)
International Center for Tropical Agriculture (CIAT)
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)
WorldFish

UNIVERSITIES & OTHER RESEARCH ORGANIZATIONS

Children's Hospital Oakland Research Institute-CHORI
Cornell University
Flinders University
Greenwich University
Iowa State University
Johns Hopkins Bloomberg School of Public Health
Purdue University
Sabanci University
Swiss Federal Institute of Technology (ETH-Zurich)
United States Department of Agriculture, Agricultural Research Service (USDA-ARS)
University of Adelaide
University of California, Davis
University of Freiburg
University of Honheim
University of Melbourne
Wageningen University

IN-COUNTRY PARTNERS

Bangladesh

Agricultural Advisory Society (AAS)
Ali Seed Farm
Amra Kaj Kori (AKK)
AVA Development Society
Bangladesh Agricultural University (BAU)
Bangladesh Rice Research Institute (BRRI)
Bhai Bhai Traders
Christian Commission for Development in Bangladesh (CCDB)
Department of Agricultural Extension, Ministry of Agriculture
Friends in Village Development Bangladesh (FIVDB)
Green the Environment
Integrated Social Welfare Association (ISWA)
Lal Teer Seed Ltd
Mother Seed & Agro Industries Ltd
Naton Zibon Rochi (NAZIP)
Prokash Gano Unnayan Kendra
RDRS Bangladesh
Society Development Committee (SDC)
Shariatpur Development Society (SDS)
Small & Medium Seed Producing Association (SMSPA)
Shawdesh Unnay Kendra (SUK)
Socio Economic Health Education Organization (SEHEO)
South West Seed Producer Association of Bangladesh (SWSBAB)
Thengamara Mohila Sabuj Sangha (TMSS)
Unnayan Dhara (US)
Voluntary Rural Development Society (VRDS)
ZHUMKA Bangladesh

Bolivia

Integral Agricultural Cooperative (CAISY Ltda)
Research Center for Tropical Agriculture (CIAT)

Brazil

Agency for Agricultural Research and Rural Extension of Maranhão State (Agerp)
Agricultural Development and Fisheries Secretary of Pará State (Sedap)
Agricultural Research Company of Rio de Janeiro State (Pesagro-RIO)
Capim Branco City Government, MG
Cascavel City Government, PR
Caxias-MA Secretary of Agriculture
Corumbá City Government, MS
Development Company of the São Francisco and Parnaíba Valleys (Codevasf)
Education and Culture Secretary of Piauí State
Embrapa - Brazilian Agricultural Research Corporation
Extraordinary Secretary for Racial Equality of Maranhão State
Family Agriculture Secretariat of Maranhão State (SAF)
Federal University of Maranhão (UFMA)
Federal University of Rio de Janeiro (UFRJ)
Federal University of Uberlândia (UFU)
Federal University of Viçosa (UFV)
Food and Nutrition Security Council of Maranhão State (Consea-MA)
Food and Nutrition Security Secretary of Maranhão State
Foundation for Scientific and Technological Development (Fundetec)
Fundação Arthur Bernardes (FUNARBE)
Guaraniasu City Government, PR
Inter-sectoral Chamber of Food and Nutrition Security of Maranhão State
Itaguaí City Government, RJ
Magé City Government, RJ
Maranhão State Government
Mato Grosso Company of Research, Assistance and Rural Extension (Empaer)
Minas Gerais State Company of Technical Assistance and Rural Extension (Emater-MG)
Monte Carmelo City Government, MG
Municipal Secretariat of Agriculture of Alto Alegre-MA
National Supply Company of Maranhão (Conab)
Packaging Technology Center of the Institute of Food Technology (CETEA/ITAL)
Patrocínio City Government, MG
Piauí Company of Technical Assistance and Rural Extension of Piauí (Emater-PI)
Piauí Regional Association of Agricultural Family Schools (AEFAPI)
Regeneration City Government, PI
Rio Grande do Sul Company of Technical Assistance and Rural Extension Company (Emater-RS)

Rio Negro City Government, PR
Rural Producers Association of Barra do Saco, Codó-MA
Rural Producers Association of the 13th April Settlement, Canto do Buriti-PI
Rural Producers Association of the Angio Branco Settlement, Eliseu Martins-PI
Rural Producers Association of the Settlement Center of Cabeceira, Caxias-MA
Rural Producers Association of the Malhada Settlement, Canto do Buriti-PI
Rural Workers Union of Coroatá-MA
Rural Workers Union of Eliseu Martins, Eliseu Martins-PI
Rural Workers Union of Queimada Nova-PI
Rural Workers Union of Tanque-PI
Santa Angela Foundation, Pedro II-PI
São Gabriel do Oeste City Government, MS
São João do Soter City Government, MA
São Mateus Municipal Council of Maranhão-MA
School of Agriculture "Luiz de Queiroz" at State University of São Paulo (ESALQ/USP)
Sete Lagoas City Government, MG
Social Development Secretariat of Maranhão State
State University of Campinas (Unicamp)
State University of Maranhão (UEMA)
State University of São Paulo (USP)
Tanque City Government, PI
Technical Services Cooperative of Coroatá-MA (Coosert)
Timbiras-MA Secretary of Agriculture
University Center of Sete Lagoas (Unifemm)

Colombia

Association of Agronomists of the Atlantic
Colombian Agricultural Research Corporation (CORPOICA)
Del Valle University
Foundation for Research and Agricultural Development (FIDAR)
Guerrero Seeds
Latin American and Caribbean Consortium to Support Research and Development of Cassava (CLAYUCA)
Maxisemillas
Ministry of Health
National Federation of Cereal and Leguminous Plants Growers - FENALCE
Seed Companies
SENA – Agribusiness Buga
UMATA Florida
UMATA Versailles
Valle del Cauca Government
World Food Programme (WFP)

DR Congo

Adventist Development and Relief Agency (ADRA)
APAFED
APIPE
Association Coopérative en Synergie Féminine (ACOSYF)
Association de Producteurs de Semences du Katanga (APSKA)
Association de Vendeurs de Vivres et de Semences (ADVS)
Association des Agronomes Professionnels (AGROPRO)
Association des Femmes Paysannes de Gimbi (AFPG)
Association des Femmes Techniciennes de Développement Rural (AFTDR)
Association pour la Santé et le Développement Familial (ASDF)
Association pour le Développement de Fermiers de Dwale
Association pour le Développement de l'Elevage et de l'Agriculture (ADEA)
Association pour le Développement Endogène de Matadi (ADEM)
Bureau Diocésain de Développement (BDD)-Lubumbashi
Caritas-Kinshasa
Centre d'Adaptation et de Production de Semences Améliorées (CAPSA) – Lohutu
Centre d'Alphabétisation, de Nutrition et de Développement Agricole Intégral de Kakoy (CANDAİK)
Centre d'Appui au Développement Intégral de Mbankana (CADIM)
Centre d'Expérimentation et Diffusion des Technologies Agricoles (CEDTA)
Centre pour la Promotion Rurale (CPR)- IDJWI
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Dynamique Féminine Paysanne (DPF)
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Entente pour le développement intégré de Ngandajika (EDIGA)
Espoir Kesukipamu
ETS NFUNU
FABIS
FEDAAC
Femmes Business
Ferme Kaloboka (FERKAL)
Ferme Makelele (FM)
Fodagri
FONIMIS
Fraternité

Groupe Agro-Pastoral de Kivu (GAP)
Groupe d'Encadrement des Initiatives d'Auto-Promotion Sociale (GEIAPSO)
Groupe d'initiatives pour le l'agroforesterie en Afrique (GIAFRO)
Groupe de Recherche et d'Action des Femmes du Bas Fleuve (GRAFBAF)
Habitant Star Dignity
Institut National pour l'Etude et la Recherche Agronomiques (INERA)-Gimbi
Institut National pour l'Etude et la Recherche Agronomiques (INERA)-Kiyaka
IITA Youth Agripreneurs/ Kisangani
Institut Technique Agricole de Katanga (ITAK)
Initiatives pour la Promotion des Démunis (IPD)-Buzi Bulenga
Institut Facultaire d' Agronomie (IFA) de Yangambi.
K-GBM
La Voie Internationale (The Way International)
Laboratoire de Recherche en Biofortification, Défense et Valorisation des Cultures (BIODEV)
Layuka Sprl
LBM
Ma Famille
Main dans la Main (MDM)
Maminu/ONGD
Minoterie de Kamanyola (MINOKA)
Mirabelis Jalapha
Paroisse de Mwanda
Partage-Vie
PASPACO
Plantation Anany
Plantation Bakulikira
Programme d'Appui pour l'Environnement au Kwango (PAEK)
Programme National de Nutrition (PRONANUT)
Projet Agricole de Buhengere (PABU)
Radio Télévision Nationale Congolaise (RTNC)
Regina Mundi
SAFARI INTERNATIONAL –SOD
Service d'Appui au Développement Régional Intégrée (SADRI)
Service National de Semences (SENASEM)
Service National de Vulgarisation (SNV)
SOS pour l'Humanité
Tabernacle chrétien de Bilonda
UFEDI
Union de Producteurs Agricoles pour le Développement Intégré (UPROADI)
Université de Kinshasa (UNIKIN)
Université de Lubumbashi (UNILU)
Université Evangélique en Afrique (UEA)
UPROADI
World Vision

El Salvador

Food and Agricultural Organization (FAO)
National Center of Agricultural, Livestock and Forestry Technology (CENTA)
World Food Programme (WFP)

Guatemala

Del Valle University, Department of Engineering in Food Sciences
Food and Agricultural Organization (FAO)
Fundación para la Innovación Tecnológica Agropecuaria y Forestal (FUNDIT)
Institute of Agricultural Science and Technology (ICTA)
Institute of Nutrition of Central America and Panama (INCAP)
Inter-American Institute for Cooperation on Agriculture (IICA)
Members of the BioFORT Platform
Ministry of Agriculture, Cattle Raising and Food (MAGA)
Ministry of Health (SESAN)
San Carlos de Guatemala University
Seed Network of Guatemala
Semilla Nueva
United States Agency for International Development (USAID)
World Food Programme (WFP)
World Vision

Haiti

Catholic Relief Services (CRS)
CHIBAS Foundation
Ministry of Agriculture (MARNDR)
Ministry of Public Health and Population (MSPP)
Organization for the Rehabilitation of the Environment (ORE)
Project AKOSAA/University Laval
Program School Food (PNCS)

Honduras

Directorate of Agricultural Science and Technology-DICTA
Inter-American Institute for Cooperation on Agriculture (IICA)
Panamerican School of Agriculture, Zamorano
World Food Programme (WFP)

India

Aarti Flour Mill
Ajeet Seeds Limited
Ankur Seeds
Asha Beej Pvt. Ltd.
Ashok Sansthan
All India Coordinated Pearl Millet Improvement Project (AICPMIP)

Banaras Hindu University
Bayer BioScience Pvt. Ltd.
Bidhan Chandra Agricultural University
Bioseed Research India Pvt. Ltd.
Birsra Agricultural University
Bombay Super Hybrid Seeds
CCS Haryana Agricultural University
Delhi School of Economics
Dhule College of Agriculture
Daftari Agro Biotech Pvt. Ltd.
Ganga Kaveri Seeds Pvt. Ltd.
G.B. Pant University of Agriculture and Technology (GBPUAT)
Gramin Development Services (GDS)
Gramin Uthan Eyam Vaikalpik Vikas Samiti
Hytech Seed India Pvt. Ltd.
Indian Institute of Rice Research (IIRR)
Indian Institute of Wheat and Barley Research (IIWBR)
India Biofortification Program
Indian Agricultural Research Institute
Indian Council on Agricultural Research
Indira Gandhi Krishi Vishwavidyalaya (ICKV) University
JK Agri Genetics Ltd.
J Nehru Medical College
Junagadh Agricultural University
Karnataka State Seeds Corporation Limited (KSSC)
Kaveri Seeds Co. Ltd.
Kesar Enterprises Ltd.
KISAN Forum Pvt. Ltd.
Mahatma Phule Krishi Vidyapeeth Mahyco
Maharashtra State Seeds Corporation Ltd. (MSSC)
Metahelix Lifesciences Pvt. Ltd.
Ministries of Agriculture, Health, and Education
National Seed Association of India (NSAI)
National Institute of Nutrition (NIN)
Nath Biogene Pvt. Ltd
Nirmal Seeds Pvt. Ltd.
Nuziveedu Seeds Pvt. Ltd.
Nu Genes Private Limited
Orissa University of Agriculture and Technology (OUAT)
Pioneer Overseas Pvt. Ltd
Prof. Jayashankar Telangana State Agricultural University (PJTSAU)
Punjab Agricultural University
Rasi Seeds
Sri Sai Seeds
Sri Karan Narendra Agriculture University
Shakti Vardhak Hybrid Seeds Pvt. Ltd.
Sayaji Seeds
Sustainable Human Development Association (SHDA)

2017 Partners

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 Sunagro Seeds Private Limited
 SNDT Women's University,
 Maharashtra
 St. Johns Medical Research Center
 Swami Keshwanand Rajasthan
 Agricultural University
 Sood Seeds
 Syngenta India
 Tamil Nadu Agricultural University
 (TNAU)
 Tempest Advertising Pvt. Ltd.
 The Coalition for Food and Nutrition
 Security (CFNS)
 Vasantrao Naik Marathwda Krishi
 Vidyapeeth Parbhani (VNMKV)
 Wheat Berry Agro Tech (WBAT)

Kenya

Kenya Agricultural & Livestock
 Research Organization (KALRO)

Nicaragua

Central American University
 Fabretto Foundation
 Food and Agricultural
 Organization (FAO)
 Foundation for Research and
 Rural Development (FIDER),
 Caritas-Matagalpa
 Nicaraguan Institute for Agricultural
 Technology (INTA)
 PAIPSAN Project
 Quality Seed Producers
 Sanseco project
 Semillas Mejoradas S.A. (SEMSA)
 World Food Programme (WFP)

Nigeria

Agriculture Graduates Association
 of Nigeria (AGAN)
 AgroShop
 Akwa Ibom State Agric Dev
 Programme (AKADEP)
 Akwa Ibom State University (AKSU)
 Anambra Agricultural Development
 Programme (ANADEP)
 Anambra State Polytechnic
 Ashoka
 Association of Vitamin A Cassava
 Entrepreneurs (AVACE)
 Benue State Agricultural
 Development Programme (BNARDA)
 Bismonco Foods
 Building Nutritious Food Basket
 (BNFB)
 Cassava Growers Association
 of Nigeria (CGAN)
 Cassava Processors Association

of Nigeria (CAPAN)
 Catholic Relief Services (CRS)
 Cato Foods
 Crowther Foods
 Dala Foods
 Dangote Foundation
 Development Dynamics
 Dominican Centre for Human
 Resource Development (DCHRD) –
 Oyo State
 Door to Door
 Elizade University – Ondo State
 Enugu SME Center
 ENVOY Agricultural Services –
 Ondo State
 Farm Best International
 FCT Agriculture Secretariat
 FCT Fadama Development Office
 Federal College of Agriculture, Akure
 (FECA) – Ondo State
 Federal Ministry of Agriculture and
 Rural Development (FMARD)
 Federal Ministry of Budget and
 Planning Commission
 Federal Ministry of Health (FMOH)
 Federal Radio Corporation
 of Nigeria (FRCN)
 Forward Africa – Imo State
 GAINCODE
 Global Alliance for Improved
 Nutrition (GAIN - SBN)
 Gold Agric Nigeria
 Green Sahel Agriculture and Rural
 Development Initiative (GSARDI)
 Greenspore Seeds
 Home Grown School Feeding
 Programme (HGSFP)
 Human Empowerment and
 Development Project (HEMADEP)
 Imo State Agricultural Development
 Programme (IMOADP)
 Institute of Agricultural Research
 & Training (IAR&T), Moor Plantation
 Institute for Agricultural Research
 (IAR), Zaria
 International Crops Research
 Institute for the Semi-Arid Tropics
 (ICRISAT)
 International Fund for Agricultural
 Development (IFAD) – Climate
 Change Adaptation and
 Agribusiness Support
 Programme (CASP)
 International Fund for Agricultural
 Development (IFAD) – Livelihood
 Improvement Family Enterprises
 Project in the Niger Delta (LIFE-ND)
 International Fund for Agricultural
 Development (IFAD) – Cassava
 Value Chain Development Project
 International Potato Center (CIP)
 International Institute of Tropical
 Agriculture (IITA)
 Japan International Cooperation
 Agency (JICA)
 Jirkur Seeds

Justice Development and Peace
 Commission (JDPC) Ilorin
 Justice Development and Peace
 Commission (JDPC) Uyo
 Justice Development and Peace
 Commission (JDPC) Ibadan
 Justice Development and Peace
 Movement (JDPC) Oyo
 Kaduna State Agricultural
 Development Project
 Kebbi State Agricultural and Rural
 Development Authority (KARDA)
 Kolping International
 Maina Seeds
 Maize Association of Nigeria (MAN)
 Maize Growers and Processors
 Association of Nigeria (MAGPAN)
 Market Development in the Niger
 Delta Programme (DFLD-MADE)
 Maslaha Seeds
 Micmakin Nigeria Limited
 (Oyato Foods)
 National Directorate of
 Employment (NDE)
 National Orientation Agency (NOA) –
 Regional (North Central)
 National Root Crops Research
 Institute (NRCRI), Umudike
 National Television Authority (NTA)
 Nestle
 Newage Solutions
 News Agency of Nigeria (NAN)
 Niji Lukas Nigeria Limited
 (Niji Foods)
 Nollywood – FAD Productions
 Obafemi Awolowo University (OAU), Ile
 Olo Industries Limited (TopLife Foods)
 Oyo State Agricultural Development
 Programme (OYSADEP)
 Premier Seed
 Redeemed Aids Programme Action
 Committee (RAPAC) – Benue State
 Rotary
 Sassakawa Global 2000
 SeedCo
 Sen. Adeyemo Women Empowerment
 Coop (SAWEC)
 State Radio Broadcasting
 Corporations
 Technised
 TechnoServe
 The Guardian Newspaper
 The Nations Newspaper
 ThisDay Newspaper
 United States Agency for International
 Development (USAID) Maximizing
 Agricultural Revenue and Key
 Enterprises in Targeted Sites II
 (MARKETS II)
 University of Ibadan – Oyo State
 Value Seed
 West Africa Agricultural Productivity
 Programme (WAAPP)
 4Media Solutions

Pakistan

Advance Seed Corporation, Tando
 Allah Yar
 Agri. Nova Seed Corporation, Ghotki
 Al Shamas Seed Corporation, Liaquat Pur
 Alzaraun Seed Corporation,
 Bahawalpur
 Beacon Seed Corporation, Kunri
 Umar Kot
 Bhugio Seed Corporation, Mirpur Khas
 CKD Seeds, Gujranwala
 Engro-Pakistan
 Fatima Fertilizer Company, Pakistan
 Fauji Fertilizer Company Limited
 Federal Seed Certification &
 Registration Department (FSC&RD)
 Food and Agriculture Organization
 of the United Nations (FAO)
 ICI-Pakistan
 JB Seed Corporation, Liaquat Pur
 Jehan Agro Enterprises, Mirpur Khas
 Jullundher Seed Corporation, Rahim
 Yar Khan
 Khawateen (Women) Welfare Council,
 Bahawalpur
 Leveraging Agriculture for Nutrition
 in South Asia (LANSA)
 Lok Sanjh
 Ministry of National Food Security
 & Research
 Ministry of National Health Services,
 Regulation and Coordination
 Ministry of Planning, Development
 and Reform
 MNS Agriculture University, Multan
 National Agricultural Research
 Center (NARC)
 National Agricultural Research
 System (NARS)
 Neelam Seed Corporation, Multan
 Pakistan Agricultural Research
 Council (PARC), Islamabad
 Pakistan Floor Mills Association
 PARC-AgroTech Company
 PMAS Arid Agriculture University,
 Rawalpindi
 Provincial Departments of Food,
 Agriculture and Health
 Punjab Seed Corporation
 Resham Seed Corporation, Rahim
 Yar Khan
 Scaling Up Nutrition Movement (SUN)
 Shan Seeds, Khanewal
 Shoaib Seed Corporation, Sukkur
 Sindh Seed Corporation
 Tando Adam Seed Corporation
 Tara Seed, Lahore
 TASSCO, Tando Allah Yar
 Trigon Int. Multan
 University of Agriculture Faisal Abad
 World Vision
 4-Brothers, Lahore

Panama

Agricultural and Livestock Research
Institute of Panama (IDIAP)
Food and Agricultural
Organization (FAO)
Ministry of Agricultural Development
Ministry of Education
Ministry of Health
Ministry of Social Development
National Secretary for National
Food Program
Panama University
Patronato de Nutrición
Specialized Analysis Institute
World Food Programme (WFP)

Rwanda

Adventist Development and Relief
Agency Rwanda (ADRA)
African Evangelistic Enterprise
Rwanda (AEE)
API RUGEMA
Eglise Presbyterienne
au Rwanda (EPR)
FarmFresh
Food and Agriculture Organization
of the United Nations (FAO)
Association François-Xavier Bagnoud
Rwanda (FXB)
Howard G. Buffett Foundation
Project/MINAGRI
Impakomu Cooperative
Koainya Cooperative
Mbakungahaze Cooperative
Ministry of Agriculture and Animal
Resources (MINAGRI)
Ministry of Education (MINEDUC)
Ministry of Health (MOH)
Ministry of Local Government
(MINALOC)
One Acre Fund
Red Cross Rwanda
Rural Sector Support Program (RSSP)/
MINAGRI
Rwanda Agriculture Board (RAB)
Rwanda Improved Seed
Company (RISCO)
SeedCo Rwanda
Society for Family Health- Rwanda
Gimbuka Project/Caritas-Rwanda
Gikuriro Project/Catholic Relief
Services
Global Alliance for Improved
Nutrition (GAIN)
Global Communities Improved
Services for Vulnerable Populations
(ISVP) Program/USAID Twiyubake
UATA Cooperative
Umucyo Coop

Union des Coopératives Agricoles
Intégrées (UNICOOPAGI)
Win Win
World Food Programme (WFP)
Purchase for Progress (P4P)
World Vision International

Tanzania

Kibaha Sugarcane Research Institute
Uganda
Africa 2000 Network (A2N)
BioCrops
Caritas - Hoima Diocese
Community Enterprise Development
Organization (CEDO) Seeds
Farm Radio International
International Potato Centre
Kigarama Cooperative and
Marketing Society
Makerere University, Department
of Agricultural Production,
College of Agricultural and
Environmental Sciences
Mbarara University - Healthy Child
Uganda Project
Ministry of Agriculture, Animal
Industry and Fisheries
Ministry of Health
National Agricultural Research
Organization
National Crops Resources Research
Institute (NACRRI)
Pearl Seeds
Samaritan's Purse
Senai Biosciences
Volunteer Efforts for Development
Concerns (VEDCO)
World Vision

Zambia

Advanta Seed
AfriSeed
AgResults
Butemwe Milling
Care International
Chimusoro Milling
Choma Milling
Civil Society Organisation on
Scaling Up Nutrition (CSO-SUN)
Concern WorldWide
Development Aid From People
to People (DAPP)
Fanyate Milling
FVG Milling
Indaba Agricultural Policy Research
Institute (IAPRI)
Johns Hopkins Bloomberg School
of Public Health
Kamano Seed
Ministry of Agriculture
Ministry of Education
Musanza Milling

Mushe Milling
National Food and Nutrition
Commission (NFNC)
National Institute for Scientific
and Industrial Research (NISIR)
NutriAID
Peace Corps
Programme Against
Malnutrition (PAM)
Purdue University
Scaling Up Nutrition Business
Network (SUN Business)
Seba Foods
SeedCo
Self-Help Africa (SHA)
SHAIS Foods
Star Milling
Sylva Group of Companies
Total Land Care
Tropical Disease Research
Center (TDRC)
University of California, Davis
University of Wisconsin-Madison
University of Zambia
World Food Programme
World Vision
Yoyo Foods
Zambia Seed Traders
Association (ZASTA)
ZamSeed

Zimbabwe

Agricultural and Rural Development
Authority (ARDA) Seeds
CABS
Cairns Foods
CARE
Champion Seeds
CIMMYT Southern Africa
Regional Office
Coffey
Community Capacity Building
Initiative Centre for Africa (CCBICA)
Community Technology
Development Organisation
Delta Beverages
Department for International
Development (DFID)
ENTERPRISE
EXTRA
Food and Agriculture
Organization (FAO)
Farmers Association of Community
Self-Help Investment Group
Food & Nutrition Council
GOAL
Grain Millers Association
Heifer
Indaba Agricultural Policy Research
Institute (IAPRI)
International Crops Research Institute
for the Semi-Arid Tropics (ICRISAT)

Inclusive Financial services
Improved Nutrition and Sustainable
Production for Increased Resilience
and Economic Growth (INSPIRE)
Intercrest Capital
Mennonite Economic Development
Associates (MEDA)
Mercy Corps
Micro Plan
Ministry of Agriculture, Lands & Rural
Resettlement
Ministry of Health & Child Care
Ministry of Primary & Secondary
Education
Mukushi Seeds
National Tested Seed
OXFAM
Palladium
Practical Action
Prime SeedCo
QUEST Financial services
Swiss Agency for Development and
Cooperation (SDC)
SNV
Steward Bank
Sustainable Agriculture Trust
Technoserve
United Nations Development
Programme (UNDP)
United States Agency for International
Development (USAID)
VIRL Rural Social Financial Services
We Effect
World Food Programme (WFP)
Welthungerhilfe (WHH)
World Vision
Zimbabwe Commercial Farmers
Union
Zimbabwe Microfinance Fund
Zimbabwe Prisons & Correctional
Services
Zimbabwe Super Seeds





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 is part of the CGIAR Research Program on Agriculture for Nutrition and Health (A4NH). CGIAR is a global agriculture research partnership for a food secure future. Its science is carried out by its 15 research centers in collaboration with hundreds of partner organizations. The HarvestPlus program is coordinated by two of these centers, the International Center for Tropical Agriculture (CIAT) and the International Food Policy Research Institute (IFPRI).

HarvestPlus' principal donors are the UK Government; the Bill & Melinda Gates Foundation; the U.S. Government's Feed the Future initiative; the European Commission; the Government of Canada and donors to A4NH. HarvestPlus is also supported by the John D. and Catherine T. MacArthur Foundation.

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