



Measuring reach and higher level results

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Introduction

HarvestPlus MEL system at a glance

The variables that we track

Example of the numbers we report

Some challenges

Introduction

Our mission

At HarvestPlus, we work with partners to tackle hidden hunger on a global scale by breeding vitamins and minerals into everyday food crops. Together, we build sustainable food systems and bridge the gap between agriculture and nutrition

Our vision

A world free of hidden hunger.

Our target is to reach:

1. 20 million households with biofortified crops by 2020

2. 1 billion consumers by 2030

Biofortified crop varieties - the foundation of our work

BIOFORTIFIED STAPLE FOOD CROPS: WHO IS GROWING WHAT?

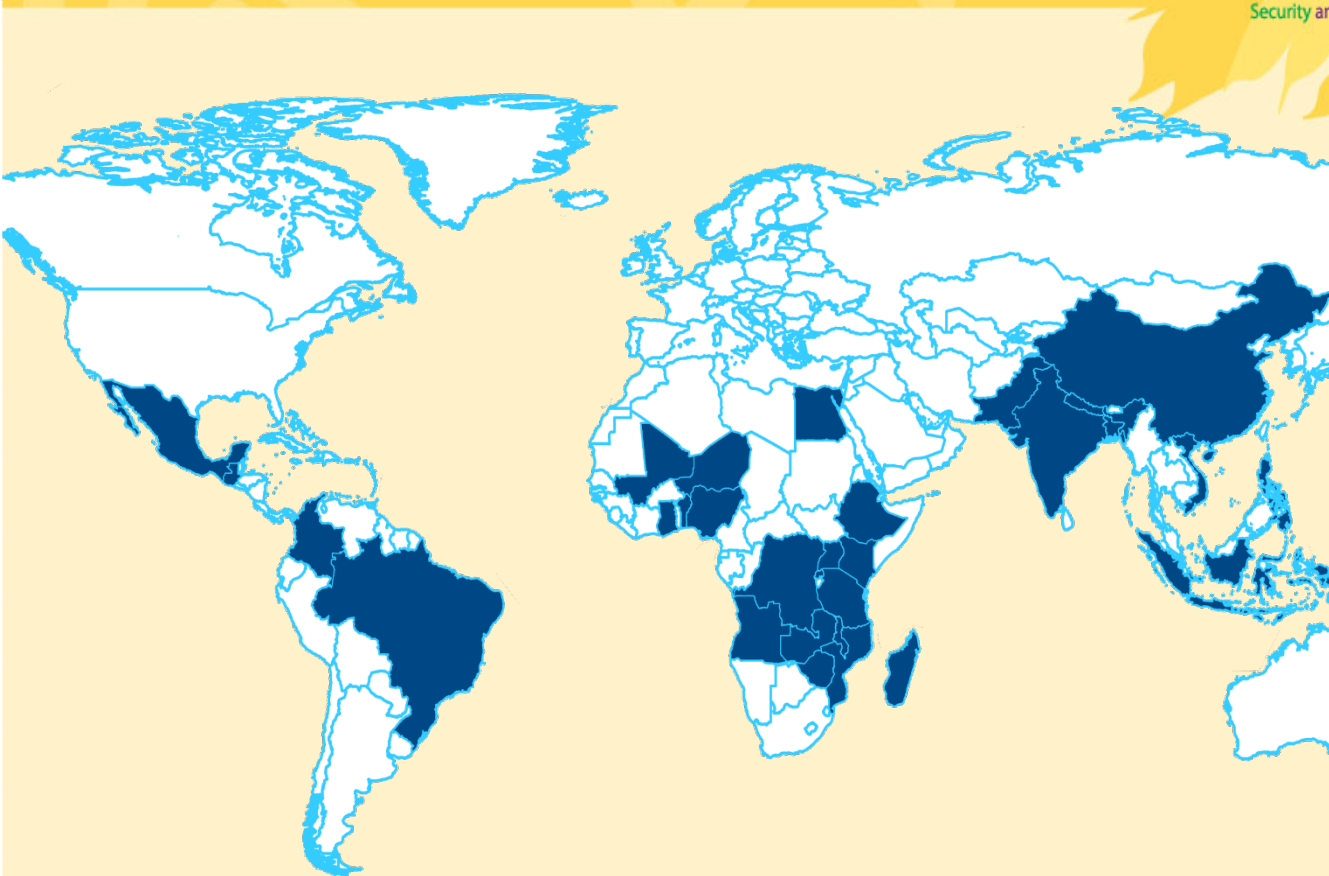
These crops have been conventionally bred to be rich in essential vitamins and minerals that are needed for good health.



By end of 2016 more than 140 varieties of 10 crops had been released in over 30 countries worldwide, & were being tested and grown in over 60 countries in Africa, Asia & LAC.

Where we will work

- Angola
- Bangladesh
- Benin
- Brazil
- China
- Colombia
- DR Congo
- Egypt
- Ethiopia
- Ghana
- Guatemala
- India
- Indonesia
- Kenya
- Madagascar



- Malawi
- Mali
- Mexico
- Mozambique
- Nepal
- Niger
- Nigeria
- Pakistan
- Philippines
- Rwanda
- Tanzania
- Uganda
- Vietnam
- Zambia
- Zimbabwe

**The Biofortification
prioritization Index (BPI)**

HarvestPlus MEL system

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Inputs Activities Outputs Outcomes Impact

The Indicator Reference Manual

5 Process
Indicators

8 Output
Indicators

13 Outcome
Indicators

3 Impact
Indicators

Implementation monitoring

Outcome Monitoring

Impact Measurement

M&E Online Database

Output indicators

1. Quantity of planting material produced
2. Quantity of planting material delivered to farmers
3. Number of households reached with planting material (i.e. for production purposes)



Outcome Indicators

1. Number of households reached indirectly with planting material,
2. Percentage farmers who planted biofortified crops after acquiring planting material
3. Number of households that are growing biofortified crops
4. Number of people consuming biofortified crops/their products
5. Percent share of area [crop] planted with biofortified crops

Outcome Indicators

6. Percent food market share of biofortified crop food products
7. Quantity of biofortified crops harvested/produced
8. Proportion of biofortified crops or their products that is consumed by the farming households reached by HarvestPlus,
9. Percent of women of reproductive age who consume biofortified crop products
- 10.% under-fives (6-59 months) who are eating biofortified crop products

Impact Indicators

1. Percent of the EAR delivered
2. Change in the prevalence of inadequate intake of target micronutrient in project intervention areas
3. Number of DALYS averted

Measuring output level variables

- Accountability indicators
- Tools and guidelines
- Count as activities unfold and report 1/4ly
- Recipient lists from contracted partners
- Lists from contracted multipliers
- Lists from non-contracted partners
- Estimates of quantity of planting material
- Quarterly data entry

Measuring outcome level variables

- Tracking the evolution of results
- Annual monitoring surveys
- 3 stage mixed methods surveys
 - Geographic Monitoring Units
 - Establish GMU level factors → input to models
- Adoption studies – every 3-5years
- Evaluations – as per donor requirement*
- M&E Models



HarvestPlus M&E Models

M&E Models → country-crop estimates

Examples: diffusion rate; attrition; double counting; consumption levels; DHS population proportions and sub-national HH size

Monitoring data

Monitoring Survey

Adoption studies

National stats

What's cumulative & what's not??????

Uganda Orange Sweet Potato (mean HH size-5.9)

| Variable | 2012 | 2013 | 2014 | 2015 | 2016 |
|--------------------|---------|---------|-----------|-----------|-----------|
| Households Reached | 21,133 | 53,724 | 59,819 | 60,000 | 110,575 |
| HH Growing | 19,020 | 94,034 | 215,062 | 337,431 | 483,418 |
| People Consuming | 112,216 | 554,801 | 1,268,868 | 1,990,841 | 2,852,167 |

Challenges

1. Different variables, metrics and definitions

2. Cost of getting data

3. Complexity and multiplicity of players

4. Data sharing – in a multi-sectoral context

4. Double or multiple counting

Some Take Aways

Common variables, metrics, methods and tools

Common databases & coordination for data sharing

Data sharing & mainstreaming BF indicators at IP

Adapting MEL systems for scaling up biofortification

BILL & MELINDA
GATES foundation



**RESEARCH
PROGRAM ON**
Agriculture for
Nutrition
and Health

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