AGRA is an African-led alliance focused on putting smallholder farmers at the center of the continent’s growing economy by transforming agriculture from a solitary struggle to survive into farming as a business that thrives. It was established to catalyze the transformation of smallholder agriculture into a highly productive, efficient, sustainable and competitive system, while also protecting the natural resource base on which agriculture depends. As the sector that employs the majority of Africa’s people, nearly all of them small-scale farmers, AGRA recognizes that developing smallholder agriculture into a productive, efficient, and sustainable system is essential to ensuring food security, lifting millions out of poverty, and driving equitable growth across the continent.

Over the past 9 years, AGRA and its partners have worked across 18 sub-Saharan countries to deliver a set of solutions that have reached 18.2 million farm families and thousands of local, African agri-businesses. Together, the alliance has developed many of the tools and systems required for an African Green Revolution: locally-adapted seeds and other technologies to enable a step-change in yields, new delivery channels that create access to new technologies among farmers, new and growing private seed and fertilizer companies, dense networks of private agro-dealers, enhanced post-harvest and financial tools that are more accessible to farmers and businesses, stronger farmer organizations and markets, a new generation of African agricultural leaders, and an improved policy environment that enables the agricultural sector to flourish. AGRA has done this through partnerships with international and local institutions, governments, businesses and communities of smallholder farmers which have changed the face of African agriculture, and attracted many more investors into the sector.

AGRA takes an integrated value chain approach in its work. We address a range of interrelated challenges faced by smallholder farmers all along the agricultural value chain – beginning with improving the efficiency and effectiveness of input markets for seed and fertilizers, but also improving farm-level productivity, post-harvest handling, and access to financial and farm output markets. We also work with specific countries when asked to support the development of better agricultural policies (see Figure 1).

Figure 1. The interrelated challenges affecting the productivity of smallholder farmers along the agricultural value chain and in the policy arena require AGRA, its grantees and its partners to address constraints in coordinated and integrated ways.
An estimated **18.2 million** smallholder farmers in **17** African countries are now benefitting from improved seeds produced by AGRA-supported seed companies. Since its inception in 2007, AGRA has made significant investments in various kinds of support to **101** local private seed companies to produce and sell improved seed varieties. In 2007, fewer than **10** seed companies were operating in all of sub-Saharan Africa (not including South Africa), producing less than **2,400 MT** of certified seed. By the end of 2015, total production and sale of certified seed by AGRA-supported seed companies had risen to about **126,408 MT**. Over the eight-year period, 2007-2015, an estimated **475,805 MT** of improved seed have been produced and sold by AGRA-supported companies.

### Intermediate Outcomes

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantity of seeds produced</th>
<th>Estimated number of farmers using improved seed</th>
<th>Estimated cumulative area covered with improved seed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>(2,346 MT)</td>
<td>(111,539)</td>
<td>(215,516 Ha)</td>
</tr>
<tr>
<td>2015</td>
<td>(126,408)</td>
<td>(2,901,721)</td>
<td>(1,504,374)</td>
</tr>
</tbody>
</table>
On average, the use of improved seed and agronomic practices enabled farmers to more than double their yields, leading to the production of an additional 4 million MT of cereals, pulses, soybeans and groundnuts in 2015 alone. In monetary terms, this represents about US$ 2.2 billion in additional income for these farmers. Cumulatively, farmers have achieved a total increase in production of an estimated 22 million MT by using improved seed varieties produced by AGRA-supported seed companies, along with rising amounts of fertilizer. This extra production has provided smallholders with about US$ 5 billion in additional income since AGRA began its work in 2007.
The increase in farm-level production and productivity has led to significant gains in direct household consumption, as well as marketable surpluses. In 2015, smallholder households produced about 3.4 million additional MT of cereals, pulses, soybeans and groundnuts for their own consumption, along with an estimated 1.5 million MT surplus for the market. Cumulatively, household consumption increased by some 12.6 million MT, while the marketable surplus increased by about 9.7 million MT; these increases are valued at an estimated US$ 3.4 billion and US$ 2 billion, respectively.
Since its inception, AGRA has funded 772 projects at a cost of US$ 414 million. The following graphs show the distribution by country.
Achievements

**Cumulative 2007-2015**

1. **Research Capacity Building**
   - 152 PhDs funded in Crop Breeding
   - 40 PhDs funded in agronomy
   - 292 MScs funded in Crop Science
   - 139 MScs funded in Soil Science
2. **Research & Development**
   - 531 Varieties released
   - 370 Varieties commercialized
3. **Input Production & Distribution**
   - 101 Seed companies supported
   - 475,805 MT of seed produced
   - 38,482 Agrodealers trained
   - 1.4M MT Inorganic fertilizer sold by the agrodealers
4. **Awareness Creation on Agriculture Transformation**
   - 56,030 Lead farmers trained in ISFM
   - 8,886 Extension agents trained in ISFM
   - 17,129 FOs trained in ISFM
   - 653,594 Farmers trained in ISFM
   - 1.4M MT Inorganic fertilizer sold by the agrodealers
5. **Adoption**
   - 1.7M Farmers using ISFM technologies
   - 1.34M Ha cropped with ISFM technologies
6. **Production Postharvest & Marketing**
   - 550,386 MT Commodity aggregated at a value of US$ 164M
   - 496,589 Farmers linked to sell to SMEs
   - 439,842 MT Volume of commodity sold to SMEs at a value of US$ 252M
   - 686 Aggregation centres supported by AGRA

*ISFM - Integrated Soil Fertility management

**2015 Achievements**

1. **Research Capacity Building**
   - 33 MScs funded in Crop Science
   - 5 MScs funded in Soil Science
2. **Research & Development**
   - 33 Varieties released
   - 40 Varieties commercialized
3. **Input Production & Distribution**
   - 10 Seed companies supported
   - 126,408 MT of seed produced
   - 2,887 Agrodealers trained
   - 59,859 MT inorganic fertilizer sold by the agrodealers
4. **Awareness Creation on Agriculture Transformation**
   - 7,719 Lead farmers trained in ISFM
   - 3,922 Extension agents trained on ISFM
   - 247 Lab technicians trained
   - 131,410 Farmers trained on PHH, quality, storage and structured trading
   - 249,773 Farmers with knowledge on ISFM
   - 163,082 Farmers trained in governance, group dynamics and leadership
5. **Adoption**
   - 107,713 Farmers using ISFM technologies
   - 92,293 Ha cropped with ISFM technologies
6. **Production Postharvest & Marketing**
   - 90,560 MT Commodity aggregated at a value of US$ 21.5M
   - 144,419 MT Volume of commodity sold to SMEs at a value of US $84.3M

*ISFM - Integrated Soil Fertility management*
## Burkina Faso

**Grants:** 34

**Value of the Grants:** US$21.5 million

### Research Capacity Building
- 8 PhDs funded in Plant Breeding
- 3 PhDs funded in Agronomy
- 15 MScs funded in Crop Science
- 12 MScs funded in Soil Science

### Research & Development
- 6 PhDs funded in Agronomy
- 15 MScs funded in Crop Science
- 12 MScs funded in Soil Science

### Input Production & Distribution
- 4 seed companies supported
- 23,072 MT of seed produced
- 1,379 Agro-dealers trained
- 115,323 MT Inorganic fertilizer sold by the agro-dealers

### Awareness Creation on Agriculture Transformation
- 4,275 Lead farmers trained in ISFM
- 343 Extension agents trained in ISFM
- 2 Lab technicians trained in ISFM
- 930 FOs trained on ISFM
- 413,587 Farmers with knowledge on ISFM
- 527,431 Farmers using improved seeds

### Adoption
- 104,734 Farmers using ISFM technologies
- 115,323 MT of seed produced
- 23,072 MT of seed produced
- 1,379 Agro-dealers trained
- 115,323 MT Inorganic fertilizer sold by the agro-dealers

### Production Postharvest & Marketing
- 9,849 MT Commodity aggregated at a value of US$ 1.9M

### 2015 Achievements

1. **Research Capacity Building**
   - 8 MSc graduates in Crop Breeding
   - 2 MSc students supported in Crop Science (1) and Soil Science (1)

2. **Research & Development**
   - 2 Varieties released (sorghum)

3. **Input Production & Distribution**
   - 6 Varieties released
   - 17 Varieties commercialized

4. **Awareness Creation on Agriculture Transformation**
   - 4 seed companies supported
   - 23,072 MT of seed produced
   - 1,379 Agro-dealers trained
   - 115,323 MT Inorganic fertilizer sold by the agro-dealers

5. **Adoption**
   - 104,734 Farmers using ISFM technologies
   - 115,323 MT of seed produced
   - 23,072 MT of seed produced
   - 1,379 Agro-dealers trained
   - 115,323 MT Inorganic fertilizer sold by the agro-dealers

6. **Production Postharvest & Marketing**
   - 9,849 MT Commodity aggregated at a value of US$ 1.9M
   - 1,169 MT Commodity aggregated at a value of US$ 0.34M
   - 739 Farmers using ISFM technologies
   - 2,096 Ha cropped with ISFM technologies
   - 86,295 Ha Cropped
   - 2,096 Ha Cropped
   - 86,295 Ha Cropped

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**Burkina Faso**

**Grants:** 34

**Value of the Grants:** US$21.5 million

### Research Capacity Building
- 8 PhDs funded in Plant Breeding
- 3 PhDs funded in Agronomy
- 15 MScs funded in Crop Science
- 12 MScs funded in Soil Science

### Research & Development
- 6 PhDs funded in Agronomy
- 15 MScs funded in Crop Science
- 12 MScs funded in Soil Science

### Input Production & Distribution
- 4 seed companies supported
- 23,072 MT of seed produced
- 1,379 Agro-dealers trained
- 115,323 MT Inorganic fertilizer sold by the agro-dealers

### Awareness Creation on Agriculture Transformation
- 4,275 Lead farmers trained in ISFM
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- 1,379 Agro-dealers trained
- 115,323 MT Inorganic fertilizer sold by the agro-dealers

### Production Postharvest & Marketing
- 9,849 MT Commodity aggregated at a value of US$ 1.9M

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**2015 Achievements**

1. **Research Capacity Building**
   - 8 MSc graduates in Crop Breeding
   - 2 MSc students supported in Crop Science (1) and Soil Science (1)

2. **Research & Development**
   - 2 Varieties released (sorghum)

3. **Input Production & Distribution**
   - 6 Varieties released
   - 17 Varieties commercialized

4. **Awareness Creation on Agriculture Transformation**
   - 4 seed companies supported
   - 23,072 MT of seed produced
   - 1,379 Agro-dealers trained
   - 115,323 MT Inorganic fertilizer sold by the agro-dealers

5. **Adoption**
   - 104,734 Farmers using ISFM technologies
   - 115,323 MT of seed produced
   - 23,072 MT of seed produced
   - 1,379 Agro-dealers trained
   - 115,323 MT Inorganic fertilizer sold by the agro-dealers

6. **Production Postharvest & Marketing**
   - 9,849 MT Commodity aggregated at a value of US$ 1.9M
   - 1,169 MT Commodity aggregated at a value of US$ 0.34M
   - 739 Farmers using ISFM technologies
   - 2,096 Ha cropped with ISFM technologies
   - 86,295 Ha Cropped
   - 2,096 Ha Cropped
   - 86,295 Ha Cropped

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**Burkina Faso**

**Grants:** 34

**Value of the Grants:** US$21.5 million

### Research Capacity Building
- 8 PhDs funded in Plant Breeding
- 3 PhDs funded in Agronomy
- 15 MScs funded in Crop Science
- 12 MScs funded in Soil Science

### Research & Development
- 6 PhDs funded in Agronomy
- 15 MScs funded in Crop Science
- 12 MScs funded in Soil Science

### Input Production & Distribution
- 4 seed companies supported
- 23,072 MT of seed produced
- 1,379 Agro-dealers trained
- 115,323 MT Inorganic fertilizer sold by the agro-dealers

### Awareness Creation on Agriculture Transformation
- 4,275 Lead farmers trained in ISFM
- 343 Extension agents trained in ISFM
- 2 Lab technicians trained in ISFM
- 930 FOs trained on ISFM
- 413,587 Farmers with knowledge on ISFM
- 527,431 Farmers using improved seeds

### Adoption
- 104,734 Farmers using ISFM technologies
- 115,323 MT of seed produced
- 23,072 MT of seed produced
- 1,379 Agro-dealers trained
- 115,323 MT Inorganic fertilizer sold by the agro-dealers

### Production Postharvest & Marketing
- 9,849 MT Commodity aggregated at a value of US$ 1.9M

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**2015 Achievements**

1. **Research Capacity Building**
   - 8 MSc graduates in Crop Breeding
   - 2 MSc students supported in Crop Science (1) and Soil Science (1)

2. **Research & Development**
   - 2 Varieties released (sorghum)

3. **Input Production & Distribution**
   - 6 Varieties released
   - 17 Varieties commercialized

4. **Awareness Creation on Agriculture Transformation**
   - 4 seed companies supported
   - 23,072 MT of seed produced
   - 1,379 Agro-dealers trained
   - 115,323 MT Inorganic fertilizer sold by the agro-dealers

5. **Adoption**
   - 104,734 Farmers using ISFM technologies
   - 115,323 MT of seed produced
   - 23,072 MT of seed produced
   - 1,379 Agro-dealers trained
   - 115,323 MT Inorganic fertilizer sold by the agro-dealers

6. **Production Postharvest & Marketing**
   - 9,849 MT Commodity aggregated at a value of US$ 1.9M
   - 1,169 MT Commodity aggregated at a value of US$ 0.34M
   - 739 Farmers using ISFM technologies
   - 2,096 Ha cropped with ISFM technologies
   - 86,295 Ha Cropped
   - 2,096 Ha Cropped
   - 86,295 Ha Cropped
Ethiopia

Grants: 39
Value of the Grants: 17.5 million

Cumulative 2007-2015

1. Research Capacity Building
   - 14 PhDs funded in Plant Breeding
   - 3 PhDs funded in agronomy
   - 37 MScs funded in Crop Science
   - 12 MScs funded in Soil Science

2. Research & Development
   - 18 Varieties released
   - 9 Seed companies supported
   - 14,120 MT of seed produced
   - 2,642 Lead farmers trained in ISFM

3. Input Production & Distribution
   - 48,187 MT Volume of seed produced
   - 1,249 Agro-dealers trained
   - 137,676 MT of seed produced
   - 14,220 MT Inorganic fertilizer sold by the agro-dealers

4. Awareness Creation on Agriculture Transformation
   - 8 Varieties commercialized
   - 1,253 Lead farmers trained in ISFM
   - 1,918 Extension agents trained in ISFM
   - 251 FOs trained on ISFM
   - 53,027 Farmers using ISFM technologies

5. Adoption
   - 8 Varieties commercialized
   - 3,469,767 Farmers using improved seeds:
   - 19,637 Farmers using ISFM technologies
   - 15,179 Ha cropped with ISFM technologies

2015 Achievements

1. Research Capacity Building
   - 2 PhD graduates in Crop Breeding

2. Research & Development
   - 5 varieties released
     - Soybean (1)
     - Faba bean (2)
     - Sorghum (1)
     - Maize (1)

3. Input Production & Distribution
   - 48,187 MT Volume of seed produced
   - 14,120 MT Inorganic fertilizer sold by AGRA supported agrodealers

4. Awareness Creation on Agriculture Transformation
   - 1,253 Lead farmers trained in ISFM
   - 1,754 Extension agents trained on ISFM
   - 251 FOs trained on ISFM
   - 33,925 Farmers with knowledge on ISFM

5. Adoption
   - 19,637 Farmers using ISFM technologies
   - 15,179 Ha cropped with ISFM technologies
Innovative Finance

SARI/CARD Lending Scheme worth US$ 100,000 leveraged US$ 300,000 that benefitted 4,500 smallholder farmers.

AGRA/MiDA/Stanbic Bank Lending Scheme worth US$ 2.5 million leveraged US$ 25M that benefitted 18,497 farmers and 7 agribusinesses.

2015 Achievements

1. Research Capacity Building
   - 13 PhDs funded in Plant Breeding
   - 5 PhDs funded in agronomy
   - 30 MScs funded in Crop Science
   - 5 MScs funded in Soil Science

2. Research & Development
   - 46 Varieties released
   - 38 Varieties commercialized

3. Input Production & Distribution
   - 11 Seed companies supported
   - 6,966 MT of seed produced
   - 5,250 Agro-dealers trained
   - 119,327 MT Inorganic fertilizer sold by the agro-dealers

4. Awareness Creation on Agriculture Transformation
   - 7,262 Lead farmers trained in ISFM
   - 586 Extension agents trained in ISFM
   - 2,684 FOs trained in ISFM
   - 24 Lab technicians trained in plant and soil analysis
   - 702,853 Farmers with knowledge on ISFM
   - 73,982 Farmers using improved seeds
   - 122,686 MT Commodity aggregated at a value of US$ 23.4M

5. Adoption
   - 12,856 Farmers using ISFM technologies
   - 8,655 Ha Cropped with ISFM technologies

6. Production Postharvest & Marketing
   - 17,771 MT Commodity aggregated at a value of US$ 5.1M

Policy

In Ghana the Node contributed to the development and approval by the Cabinet, Parliament and assent by the President of regulations to guide implementation of Plants and Fertilizer Act and National Fertilizer Policy. As a result, 39 fertilizer importing companies; 136 distributors; 1,295 fertilizer retailers and 105 fertilizer products were registered. Improvement in the capacity of fertilizer inspectors and quality of fertilizer offered for sale on the market, reduction in adulteration because of regular sampling and testing are evident.
Kenya
Grants: 86
Value of the Grants: US$ 42.84M

Innovative Finance
AGRA/GOK/ Equity Bank Scheme
worth 5,000,000 leveraged 50,000,000 that benefitted 43,775 smallholder farmers; 1,513 large scale farmers, and 407 agribusinesses.

2015 Achievements

1. Research Capacity Building
   - 20 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 19 MScs funded in Crop Science
   - 9 MScs funded in Soil Science

2. Research & Development
   - 20 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 19 MScs funded in Crop Science
   - 9 MScs funded in Soil Science

3. Input Production & Distribution
   - 20 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 19 MScs funded in Crop Science
   - 9 MScs funded in Soil Science

4. Awareness Creation on Agriculture Transformation
   - 20 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 19 MScs funded in Crop Science
   - 9 MScs funded in Soil Science

5. Adoption
   - 20 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 19 MScs funded in Crop Science
   - 9 MScs funded in Soil Science

6. Production Postharvest & Marketing
   - 20 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 19 MScs funded in Crop Science
   - 9 MScs funded in Soil Science

Farmers using improved seeds: 725,746

85,878 MT Commodity aggregated at a value of US$ 19.2M

142,641 Farmers using ISFM technologies
102,616 Ha Cropped with ISFM technologies

127,628 Farmers trained on PHH, quality, storage and structured trading
196,619 Farmers with knowledge on ISFM
7,846 Farmers trained in governance, group dynamics and leadership

129 Lead farmers trained in ISFM
125 Extension agents trained in ISFM
174 FOs trained on ISFM
24 Lab technicians trained in plant and soil analysis

26,790 Farmers using ISFM technologies
4,471 Ha Cropped with ISFM technologies

46,239 MT commodity aggregated at a value of US$ 7.6M
Malawi
Grants: 50
Value of the Grants: US$20.6 million

2015 Achievements

1 Research Capacity Building
   1 PhD graduate in Crop Breeding
   1 MSC supported in Crop Science

2 Research & Development
   3 Varieties released (rice)
   6 Varieties commercialized

3 Input Production & Distribution
   3,403 MT Volume of seed produced
   191 MT Inorganic fertilizer sold by AGRA supported agrodealers

4 Awareness Creation on Agriculture Transformation
   55 Lead farmers trained
   250 Extension agents trained on ISFM
   5,900 Farmers trained on PHH, quality, storage and structured trading
   92,649 Farmers with knowledge on ISFM
   1,169 Farmers trained in governance, group dynamics and leadership

5 Adoption
   6,462 Farmers using ISFM technologies
   15,739 Ha Cropped with ISFM technologies

6 Production Postharvest & Marketing
   1,671 MT Commodity aggregated at a value of US$ 0.6M

Cummulative 2007-2015

Farmers using improved seeds: 1,453,652
In Mali the node contributed to development, validation and submission of legislation for Warehouse Receipt System for approval by relevant government authorities. It also contributed to the mapping and identification of post-harvest facilities and areas for construction of new silos. WRS will improve farmers’ bargaining power, access to market and credit.

**2015 Achievements**

1. **Research Capacity Building**
   - 7 PhDs funded in Plant Breeding
   - 4 PhDs funded in agronomy
   - 17 MScs funded in Crop Science
   - 12 MScs funded in Soil Science

2. **Research & Development**
   - 66 Varieties released
   - 28 Varieties commercialized

3. **Input Production & Distribution**
   - 7 Seed companies supported
   - 10,796 MT of seed produced
   - 4,689 Agro-dealers trained
   - 77,729 MT Inorganic fertilizer sold by the agro-dealers

4. **Awareness Creation on Agriculture Transformation**
   - 3,441 Lead farmers trained in ISFM
   - 450 Extension agents trained in ISFM
   - 822 FOs trained on ISFM
   - 25 Lab technicians trained in plant and soil analysis
   - 768,980 Farmers with knowledge on ISFM
   - 35,763 Farmers using improved seeds: 645,756

5. **Adoption**
   - 176,891 Farmers using ISFM technologies
   - 2,571,64 Ha Cropped with ISFM technologies

6. **Production Postharvest & Marketing**
   - 15,549 MT Commodity aggregated at a value of US$ 5.1M

**Innovative Finance**

- Mission Sahel/Soro Yiriwaso Agrodealer Lending Scheme worth US$ 0.160 leveraged US$ 1.12M that benefitted 278
- IER/Kafo Jiginew Microdose Lending Scheme worth US$ 0.50 leveraged US$ 4.5M that benefitted 6,655.
- IER/Kafo Jiginew Maize intensification Lending Scheme worth US$0.2 leveraged US$ 1.2M that benefitted 10,000 smallholder farmers.
Mozambique

Grants: 98

Innovative Finance

AGRA/CEPAGRI/Standard Bank Mozambique Lending Scheme worth US$ 2.5M leveraged US$ 25M that benefitted 4,450 smallholder farmers.

2015 Achievements

1 Research Capacity Building
1 MSc Student supported in Crop Science

2 Research & Development
1 Variety released (rice)
1 Variety commercialized

3 Input Production & Distribution
854 MT Volume of seed produced
20,803 MT Inorganic fertilizer sold by AGRA supported agrodealers

4 Awareness Creation on Agriculture Transformation
370 Lead farmers trained
268 Extension agents trained on ISFM
34,093 Farmers trained on PHH, quality, storage, structured trading
6,001 Farmers with knowledge on ISFM
30,704 Farmers trained in governance, group dynamics and leadership

5 Adoption
4,000 Farmers using ISFM technologies
9,000 Ha Cropped with ISFM technologies

6 Production Postharvest & Marketing
5,285 MT Commodity aggregated at a value of US$ 2.0M

Policy

In Mozambique the Node contributed to changes and approval by Council of Ministers, National Seed Committee and Sub-Committee of Registration and Release of Varieties in regulations and administrative procedures to operationalize the seed and plant variety protection laws. This resulted in an increase in seed companies from 35 to 45 in 2012 and 2015, respectively. Of these, 32 mostly small to medium-sized seed companies were licensed by the Seed Department to produce and market seed. There is an upward trend in foundation and certified seed production with more than 20% of estimated 9,000 MT seed of improved varieties annually planted by farmers from commercial sources.
Niger Grants: 15

Research Capacity Building
1. 9 PhDs funded in Plant Breeding
2. 3 PhDs funded in agronomy
3. 14 MScs funded in Crop Science
4. 9 MScs funded in Soil Science

Research & Development
1. 31 Varieties released
2. 20 Varieties commercialized

Input Production & Distribution
1. 5 Seed companies supported
2. 9,596 MT of seed produced
3. 1,014 Agro-dealers trained
4. 15,663 MT Inorganic fertilizer sold by the agro-dealers

Awareness Creation on Agriculture Transformation
1. 40 Lead farmers trained in ISFM
2. 293 Extension agents trained in ISFM
3. 28 Lab technicians trained in ISFM
4. 257 FOs trained on ISFM
5. 135,060 Farmers with knowledge on ISFM
6. 101,953 Farmers using ISFM technologies
7. 291 Farmers trained in governance, group dynamics and leadership
8. 5,303 Farmers trained in governance, group dynamics and leadership

Adoption
1. 101,953 Farmers using ISFM technologies
2. 57,148 Ha Cropped with ISFM
3. 1,000 Farmers using ISFM technologies
4. 1,107 Ha Cropped with ISFM technologies

Production Postharvest & Marketing
1. 1,570 MT Commodity aggregated at a value of US$ 817,640
2. 1,171 MT Commodity aggregated at a value of US$ 0.6M

Innovative Finance
INRAN/BAGRI Microdose Lending Scheme valued at US$ 100,000 leveraged US$ 600,000 that benefited 6,000 smallholder farmers.

2015 Achievements
1. Research Capacity Building
   - 2 PhD graduates in Crop Breeding
   - 3 MSc students supported in Crop Science (2) and Soil Science (1)
   - 5 MSc graduates in Crop Science
2. Input Production & Distribution
   - 3,241 MT Volume of seed produced
   - 6,627 MT Inorganic fertilizer sold by AGRA supported agrodealers
3. Awareness Creation on Agriculture Transformation
   - 200 Extension agents trained on ISFM
   - 10,927 Farmers trained on PHH, quality, storage and structured trading
   - 10,000 Farmers with knowledge on ISFM
   - 291 Farmers trained in governance, group dynamics and leadership
4. Adoption
   - 1,000 Farmers using ISFM technologies
   - 1,107 Ha Cropped with ISFM technologies
5. Production Postharvest & Marketing
   - 1,171 MT Commodity aggregated at a value of US$ 0.6M
**Nigeria**

Grants: 40  
Value of the Grants: US$15.3 million  
Cumulative 2007-2015

**Research Capacity Building**

- 15 PhDs funded in Plant Breeding  
- 5 PhDs funded in agronomy  
- 23 MScs funded in Crop Science  
- 2 MScs funded in Soil Science

**Research & Development**

- 19 Varieties released  
- 11 Varieties commercialized

**Input Production & Distribution**

- 6 Seed companies supported  
- 75,622 MT of seed produced  
- 4,132 Agro-dealers trained  
- 51,867 MT Inorganic fertilizer sold by the agro-dealers

**Awareness Creation on Agriculture Transformation**

- 4,850 Lead farmers trained in ISFM  
- 596 Extension agents trained in ISFM  
- 1,241 Lab technicians trained in ISFM  
- 126,800 FOs trained on ISFM

**Adoption**

- 99,881 Farmers using ISFM technologies  
- 61,638 Ha Cropped with ISFM technologies

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**Innovative Finance**

Nigeria Incentive-Based Risk Sharing System for Agricultural Lending (NIRSAL) valued at US$ 300M leveraged US$ 3 Billion

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**2015 Achievements**

**1 Research Capacity Building**

- 1 PhDs graduate in Crop Breeding  
- 2 MSc students supported in Crop Science

**2 Research & Development**

- 2 Varieties released (maize)  
- 6 Varieties commercialized

**3 Input Production & Distribution**

- 10,188 MT Volume of seed produced  
- 132 MT Inorganic fertilizer sold by AGRA supported agrodealers

**4 Awareness Creation on Agriculture Transformation**

- 50 Lead farmers trained  
- 240 Extension agents trained on ISFM  
- 14,500 Farmers with knowledge on ISFM

**5 Adoption**

- 7,000 Farmers using ISFM technologies  
- 7,503 Ha Cropped with ISFM technologies
2015 Achievements

1 Research Capacity Building
   1 PhD graduate in Crop Breeding
   1 MSc graduate in Crop Science

3 Input Production & Distribution
   166 MT Volume of seed produced
   28,231 MT inorganic fertilizer sold by AGRA supported agrodealers

4 Awareness Creation on Agriculture Transformation
   90 Lead farmers trained
   270 Extension agents trained on ISFM
   999 Farmers with knowledge on ISFM

5 Adoption
   3,060 Farmers using ISFM technologies
   1,000 Ha Cropped with ISFM technologies

6 Production Postharvest & Marketing
   4,704 MT Commodity aggregated at a value of US$ 1.0M

Rwanda
Grants: 29
Value of the Grants: US$ 8.9 million

Cumulative 2007-2015

7 PhDs funded in Plant Breeding
1 PhD funded in agronomy
12 MScs funded in Crop Science
14 MScs funded in Soil Science

4 seed companies supported
3,039 MT of seed produced
307 Agro-dealers trained
51,811 MT inorganic fertilizer sold by the agrodealers

404 Extension agents trained in ISFM
6 Lab technicians trained in ISFM
1,904 FOs trained in ISFM
351,504 Farmers with knowledge on ISFM
71,642 Farmers trained in governance, group dynamics and leadership

84,256 Farmers using ISFM technologies
50,130 Ha Cropped with ISFM technologies

63,664 MT Commodity aggregated at a value of US$ 21M
In Tanzania, the Node contributed to generating evidence on the performance of fertilizer subsidy voucher scheme for efficiency, equity, impact on fertilizer use, productivity and crop incomes. The Government re-introduced NAIVS in 2015/2016 and replaced it with a loan to farmers’ credit groups together with an improved version incorporating recommendation to replace local government appointment of agro-dealers with suppliers appointing own agents to distribute and sell inputs through the voucher system. This improved the implementation of the fertilizer subsidy program and allowed fertilizer use by farmers to bounce back to the pre-2014/2015 levels ensuring that subsidy vouchers are used for inputs’ purchase only.
Uganda
Grants: 58
Value of the Grants: US$31.4 million

Cumulative 2007-2015

Research Capacity Building
18 PhDs funded in Plant Breeding
2 PhDs funded in agronomy
24 MScs funded in Crop Science
10 MScs funded in Soil Science

Research & Development
59 Varieties released
56 Varieties commercialized

Input Production & Distribution
7 Seed companies supported
99,369 MT of seed produced
1,405 Agro-dealers trained
1,322 MT Inorganic fertilizer sold by the agro-dealers

Awareness Creation on Agriculture Transformation
3,506 Lead farmers trained in ISFM
203 Extension agents trained on ISFM
24 Lab technicians trained in ISFM
1,904 FOs trained on ISFM
221,471 Farmers with knowledge on ISFM

Adoption
132,419 Farmers using ISFM technologies
67,828 Ha Cropped with ISFM technologies

Production Postharvest & Marketing
410,070 MT Commodity aggregated at a value of US$ 244.7m

Innovative Finance
AGRA/Kilimo Trust/Stanbic Lending Scheme
worth .5M leveraged US$25M that benefitted 50,928 farmers and 66 agribusinesses.

2015 Achievements

2 Research & Development
2 Varieties commercialized

3 Input Production & Distribution
34,678 MT Volume of seed produced
885 MT Inorganic fertilizer sold by AGRA supported agrodealers

4 Awareness Creation on Agriculture Transformation
100 Extension agents trained on ISFM
10,139 Farmers with knowledge on ISFM

5 Adoption
1,500 Farmers using ISFM technologies
1,111 Ha Cropped with ISFM technologies

6 Production Postharvest & Marketing
123,283 MT Commodity aggregated at a value of US$ 81.1M
Zambia
Grants: 24
Value of the Grants: US$12.4 million

Cumulative 2007-2015

Research Capacity Building

1. 7 PhDs funded in Plant Breeding
2. 4 PhDs funded in agronomy
3. 14 MScs funded in Crop Science
4. 10 MScs funded in Soil Science

Research & Development

1. 13 Varieties released
2. 8 Varieties commercialized

Input Production & Distribution

1. 4 Seed companies supported
2. 19,188 MT of seed produced
3. 1,797 Agro-dealers trained
4. 27,571 MT inorganic fertilizer sold by the agro-dealers

Awareness Creation on Agriculture Transformation

1. 1,066 Lead farmers trained in ISFM
2. 197 Extension agents trained in ISFM
3. 21 Lab technicians trained in ISFM
4. 575 FOs trained on ISFM
5. 93,100 Farmers with knowledge on ISFM
6. 100 Farmers trained in governance, group dynamics and leadership

Adoption

1. 59,603 Farmers using ISFM technologies
2. 38,538 Ha Cropped with ISFM technologies
3. 197 Extension agents trained on ISFM
4. 3,528 Farmers trained on PHH, quality, storage and structured trading
5. 82,711 Farmers trained in governance, group dynamics and leadership

Production Postharvest & Marketing

1. 11,198 MT Commodity aggregated at a value of US$ 4M
2. 921 MT Commodity aggregated at a value of US$ 0.42m

2015 Achievements

1. Research Capacity Building
2. MSc supported in Crop Science
3. Research & Development
4. Varieties commercialized
5. Input Production & Distribution
6. 8,654 MT Volume of seed produced
7. 68 MT Inorganic fertilizer sold by AGRA supported agrodealers
8. Awareness Creation on Agriculture Transformation
9. 50 Lead farmers trained
10. 100 Extension agents trained on ISFM
11. 3,528 Farmers trained on PHH, quality, storage and structured trading
12. 20,000 Farmers with knowledge on ISFM
13. 63,052 Farmers trained in governance, group dynamics and leadership
14. Adoption
15. 2,000 farmers using ISFM technologies
16. 500 Ha cropped with ISFM technologies
17. Production Postharvest & Marketing
18. 921 MT Commodity aggregated at a value of US$ 0.42m
Other Countries

1. Senegal
Grants: 8
Value of the grants: US$ 3.8 million

2. Liberia
Grants: 7
Value of the grants: US$ 915,079
Farmers using improved seeds: 107,107

3. Sierra Leone
Grants: 6
Value of the grants: US$ 636,039
Farmers using improved seeds: 56,732

4. South Sudan
Grants: 22
Value of the grants: US$ 3.6 million
Farmers using improved seeds: 279,847

Cumulative 2007-2015

Research Capacity Building | Research & Development | Input Production & Distribution
---|---|---
1 PhD enrolled in Plant Breeding | 19 Varieties released: Rice (4), Maize (9), Sorghum (3), Cassava (3) | 6 Seed companies supported
8 MSc students enrolled in Crop Science | 5 Varieties disseminated | 1,199 MT of seed produced
9 MSc graduates in Crop Science | 3 Seed companies supported | 994 MT of seed produced
3 Seed companies supported | 16 Varieties released: Cassava (8), Rice (8), Sorghum (3) | 230 MT of seed produced