Programs
Performance
Progress
Report
2007-2015
Programs Performance
Progress Report
2007-2015
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.](image)
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.
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

Research Capacity Building

1. 152 PhDs funded in Crop Breeding
2. 40 PhDs funded in agronomy
3. 292 MScs funded in Crop Science
4. 139 MScs funded in Soil Science

Research & Development

1. 33 MScs funded in Crop Science
2. 5 MScs funded in Soil Science
3. 33 Varieties released
4. 40 Varieties commercialized

Input Production & Distribution

1. 10 Seed companies supported
2. 126,408 MT of seed produced
3. 2,887 Agrodealers trained
4. 59,859 MT inorganic fertilizer sold by the agrodealers

Awareness Creation on Agriculture Transformation

1. 56,030 Lead farmers trained in ISFM
2. 8,886 Extension agents trained in ISFM
3. 17,129 FOs trained in ISFM
4. 653,594 Lab technicians trained
5. 7,719 Lead farmers trained in ISFM
6. 3,922 Extension agents trained on ISFM
7. 721 FOs trained on ISFM
8. 18 Lab technicians trained
9. 131,410 Farmers trained on PHH, quality, storage and structured trading
10. 249,773 Farmers with knowledge on ISFM
11. 163,082 Farmers trained in governance, group dynamics and leadership

Adoption

1. 107,713 Farmers using ISFM technologies
2. 92,293 Ha cropped with ISFM technologies
3. 101 Seed companies supported
4. 475,805 MT of seed produced
5. 38,482 Agrodealers trained
6. 1.4M MT Inorganic fertilizer sold by the agrodealers
7. 599,281 Farmers with knowledge on ISFM
8. 1.7M Farmers using ISFM technologies
9. 1.34M Ha cropped with ISFM technologies
10. 550,386 MT Commodity aggregated at a value of US$ 164M
11. 496,589 Farmers linked to sell to SMEs
12. 439,842 MT Volume of commodity sold to SMEs at a value of US$ 252M
13. 1.34M Ha cropped with ISFM technologies

Production Postharvest & Marketing

1. 90,560 MT Commodity aggregated at a value of US$ 21.5M
2. 250,212 Farmers linked to sell to SMEs
3. 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
Cumulative 2007-2015

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
- 17 Varieties released
- 6 Varieties commercialized

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
- 805 Lead farmers trained in ISFM
- 10,067 Farmers trained on PHH, quality, storage and structured trading
- 115,323 MT Inorganic fertilizer sold by the agro-dealers
- 47,983 Farmers with knowledge on ISFM
- 343 Lead farmers trained in ISFM
- 1,075 Farmers with knowledge on ISFM
- 8,147 Farmers trained in governance, group dynamics and leadership

Adoption
- 104,734 Farmers using ISFM technologies
- 9,849 MT Commodity aggregated at a value of US$ 1.9M

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
   - 6,335 MT Volume of seed produced
   - 1,219 MT Inorganic fertilizer sold by AGRA supported agrodealers

4. Awareness Creation on Agriculture Transformation
   - 805 Lead farmers trained in ISFM
   - 10,067 Farmers trained on PHH, quality, storage and structured trading
   - 1,075 Farmers with knowledge on ISFM
   - 8,147 Farmers trained in governance, group dynamics and leadership

5. Adoption
   - 739 Farmers using ISFM technologies
   - 2,096 Ha cropped with ISFM technologies

6. Production Postharvest & Marketing
   - 1,169 MT Commodity aggregated at a value of US$ 0.34M
Ethiopia

Grants: 39
Value of the Grants: 17.5 million

Cumulative 2007-2015

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

Research & Development
2
18 Varieties released
8 Varieties commercialized
9 Seed companies supported
137,676 MT of seed produced
1,249 Agro-dealers trained
14,220 MT Inorganic fertilizer sold by the agro-dealers

Input Production & Distribution
3
2,642 Lead farmers trained in ISFM
1,918 Extension agents trained in ISFM
251 FOs trained on ISFM
85,725 Farmers with knowledge on ISFM

Awareness Creation on Agriculture Transformation
4
53,027 Farmers using ISFM technologies
24,959 Ha Cropped with ISFM technologies

Adoption
5

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
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.

Ghana
Grants: 95
Value of the Grants: US$58.9 million
Cumulative 2007-2015

**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
   - 36 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 trained on PHH, quality, storage and structured trading
   - 77,415 Farmers trained in governance, group dynamics and leadership

5. **Adoption**
   - 239,966 Farmers using ISFM technologies
   - 212,557 Ha Cropped with ISFM technologies

6. **Production Postharvest & Marketing**
   - 122,686 MT Commodity aggregated at a value of US$ 23.4M

**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

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

Research & Development
- 94 Varieties released
- 71 Varieties commercialized

Input Production & Distribution
- 5 Seed companies supported
- 23,737 MT of seed produced
- 5,087 Agrodealers trained
- 88,444 MT Inorganic fertilizer sold by the agrodealers

Awareness Creation on Agriculture Transformation
- 6,906 Lead farmers trained in ISFM
- 361 Extension agents trained in ISFM
- 2,069 FOs trained in ISFM
- 24 Lab technicians trained in plant and soil analysis
- 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

Adoption
- 142,641 Farmers using ISFM technologies
- 102,616 Ha Cropped with ISFM technologies
- 12,628 Farmers trained on PHH, quality, storage and structured trading
- 18 Lab technicians trained in plant and soil analysis

Production Postharvest & Marketing
- 85,878 MT Commodity aggregated at a value of US$ 19.2M

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
   - 2 PhD Graduates in Crop Breeding
2. Research & Development
   - 4 Varieties released (1 maize; 3 cassava)
   - 3 Varieties commercialized
3. Input Production & Distribution
   - 1 Seed company supported by AGRA
   - 2,672 MT Volume of seed produced
   - 1,073 MT Inorganic fertilizer sold by AGRA supported agrodealers
4. Awareness Creation on Agriculture Transformation
   - 129 Lead farmers trained in ISFM
   - 125 Extension agents trained in ISFM
   - 174 FOs trained on ISFM
   - 11,640 Farmers trained on PHH, quality, storage and structured trading
   - 2,999 Farmers with knowledge on ISFM
   - 163,082 Farmers trained in governance, group dynamics and leadership
5. Adoption
   - 26,790 Farmers using ISFM technologies
   - 4,471 Ha Cropped with ISFM technologies
6. Production Postharvest & Marketing
   - 46,239 MT Commodity aggregated at a value of US$ 7.6M
Malawi
Grants: 50
Value of the Grants: US$20.6 million

Research Capacity Building

1 PhDs funded in Plant Breeding
3 PhDs funded in agronomy
16 MScs funded in Crop Science
12 MScs funded in Soil Science

Research & Development

6 PhDs funded in Plant Breeding
3 PhDs funded in agronomy
16 MScs funded in Crop Science
12 MScs funded in Soil Science
31 Varieties released
20 Varieties commercialized

Input Production & Distribution

4 Seed companies supported
16,609 MT of seed produced
4,311 Agro-dealers trained
18,632 MT Inorganic fertilizer sold by the agro-dealers

Awareness Creation on Agriculture Transformation

2,241 Lead farmers trained in ISFM
894 Extension agents trained in ISFM
6 Lab technicians trained in ISFM
795 FOs trained on ISFM
594,457 Farmers with knowledge on ISFM
44,891 Farmers trained in governance, group dynamics and leadership

Adoption

70,882 Farmers using ISFM technologies
53,446 Ha Cropped with ISFM

Production Postharvest & Marketing

11,645 MT Commodity aggregated at a value of US$ 4.3M

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

1,453,652 Farmers using improved seeds:
**Mali**

Grants: US$ 42.84 million
Value of the Grants: US$20.24m

### 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

### Input Production & Distribution
- 66 Varieties released
- 28 Varieties commercialized
- 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

### 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 trained on PHH, quality, storage and structured trading
- 15,713 Farmers trained in governance, group dynamics and leadership

### Adoption
- 176,891 Farmers using ISFM technologies
- 272,164 Ha Cropped with ISFM technologies

### 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.

**Policy**

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**
   - 3 MSc students supported in Crop Science

2. **Research & Development**
   - 8 Varieties commercialized

3. **Input Production & Distribution**
   - 3,123 MT Volume of seed produced
   - 13,138 MT Inorganic fertilizer sold by AGRA supported agrodealers

4. **Awareness Creation on Agriculture Transformation**
   - 21 Lead farmers trained in ISFM
   - 60 Extension agents trained on ISFM
   - 157 FOs trained on ISFM
   - 8,465 Farmers trained on PHH, quality, storage and structured trading
   - 8,000 Farmers with knowledge on ISFM
   - 10,249 Farmers trained in governance, group dynamics and leadership

5. **Adoption**
   - 5,000 Farmers using ISFM technologies
   - 9,000 Ha Cropped with ISFM technologies

6. **Production Postharvest & Marketing**
   - 3,791 MT Commodity aggregated at a value of US$ 1.7M

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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.

### 2015 Achievements

1. **Research Capacity Building**
   - 1 MSc Student supported in Crop Science
   - 6 PhDs funded in Plant Breeding
   - 21 MScs funded in Crop Science
   - 21 MScs funded in Soil Science

2. **Research & Development**
   - 1 Variety released (rice)
   - 1 Variety commercialized
   - 45 Varieties released
   - 37 Varieties commercialized

3. **Input Production & Distribution**
   - 854 MT Volume of seed produced
   - 20,803 MT Inorganic fertilizer sold by AGRA supported agrodealers
   - 7 Seed companies supported a total volume of 12,665 MT of seed produced
   - 1,114 Agro-dealers trained
   - 59,981 MT Inorganic fertilizer sold by the agro-dealers

4. **Awareness Creation on Agriculture Transformation**
   - 8,126 Lead farmers trained in ISFM
   - 1,510 Extension agents trained in ISFM
   - 3,309 FOs trained on ISFM
   - 5 Lab technicians trained in plant and soil analysis
   - 649,247 Farmers with knowledge on ISFM
   - 92,217 Farmers trained on PHH, quality, storage and structured trading
   - 122,099 Farmers trained in governance, group dynamics and leadership

5. **Adoption**
   - 185,445 Farmers using ISFM technologies
   - 164,905 Ha Cropped with ISFM technologies
   - 3,309 Extension agents trained in ISFM
   - 3,309 FOs trained on ISFM
   - 5 Lab technicians trained in plant and soil analysis
   - 649,247 Farmers with knowledge on ISFM
   - 92,217 Farmers trained on PHH, quality, storage and structured trading
   - 122,099 Farmers trained in governance, group dynamics and leadership

6. **Production Postharvest & Marketing**
   - 5,285 MT Commodity aggregated at a value of US$ 14.1M
   - 37,283 MT Commodity aggregated at a value of US$ 2.0M
   - 4,000 Farmers using improved seeds:
   - 1,029,413

### Innovative Finance

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

Grants: 15
Value of the Grants: US$6.34 million

Cumulative 2007-2015

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
5. 31 Varieties released
6. 20 Varieties commercialized

Research & Development

7. 5 Seed companies supported
8. 9,596 MT of seed produced
9. 1,014 Agro-dealers trained
10. 15,663 MT Inorganic fertilizer sold by the agro-dealers

Input Production & Distribution

11. 40 Lead farmers trained in ISFM
12. 293 Lead farmers trained in ISFM
13. 28 Extension agents trained in ISFM
14. 257 Lab technicians trained in ISFM
15. 135,060 FOs trained on ISFM
16. 5,303 Farmers trained in governance, group dynamics and leadership

Awareness Creation on Agriculture Transformation

17. 101,953 Farmers using ISFM technologies
18. 57,148 Ha Cropped with ISFM
19. 291 Extension agents trained on ISFM
20. 10,927 Farmers trained on PHH, quality, storage and structured trading
21. 12,025 Farmers with knowledge on ISFM
22. 1,000 Farmers using ISFM technologies
23. 1,171 MT Commodity aggregated at a value of US$ 0.6M

Adoption

24. 1,570 MT Commodity aggregated at a value of US$ 817,640
25. 5,303 Farmers trained in governance, group dynamics and leadership

Production Postharvest & Marketing

26. 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)
4. MSc graduates in Crop Science
5. Input Production & Distribution
6. 3,241 MT Volume of seed produced
7. 6,627 MT Inorganic fertilizer sold by AGRA supported agrodealers
8. 200 Extension agents trained on ISFM
9. 10,927 Farmers trained on PHH, quality, storage and structured trading
10. 10,000 Farmers with knowledge on ISFM
11. 291 Farmers trained in governance, group dynamics and leadership

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

Research Capacity Building
1. 15 PhDs funded in Plant Breeding
2. 5 PhDs funded in agronomy
3. 23 MScs funded in Crop Science
4. 2 MScs funded in Soil Science

Research & Development
1. 19 Varieties released
2. 11 Varieties commercialized

Input Production & Distribution
1. 6 Seed companies supported
2. 75,622 MT of seed produced
3. 4,132 Agro-dealers trained
4. 51,867 MT of seed produced

Awareness Creation on Agriculture Transformation
1. 4,850 Lead farmers trained in ISFM
2. 596 Extension agents trained in ISFM
3. 34 Lab technicians trained in ISFM
4. 1,241 FOs trained on ISFM

Adoption
1. 99,881 Farmers using ISFM technologies
2. 7,503 Ha Cropped with ISFM technologies

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

2015 Achievements
1. Research Capacity Building
   1. 1 PhDs graduate in Crop Breeding
   2. 2 MSc students supported in Crop Science

2. Research & Development
   2. 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
**Research Capacity Building**
- 7 PhDs funded in Plant Breeding
- 1 PhD funded in agronomy
- 12 MScs funded in Crop Science
- 14 MScs funded in Soil Science

**Input Production & Distribution**
- 4 seed companies supported
- 3,039 MT of seed produced
- 307 Agro-dealers trained
- 51,811 MT inorganic fertilizer sold by the agro-dealers

**Awareness Creation on Agriculture Transformation**
- 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

**Adoption**
- 84,256 Farmers using ISFM technologies
- 50,130 Ha Cropped with ISFM technologies
- 3,060 Farmers using ISFM technologies
- 1,000 Ha Cropped with ISFM technologies

**Production Postharvest & Marketing**
- 63,664 MT Commodity aggregated at a value of US$ 21M
- 4,704 MT Commodity aggregated at a value of US$ 1.0M

**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**
   - Farmers using improved seeds: 193,206
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

1. 18 PhDs funded in Plant Breeding
2. 2 PhDs funded in agronomy
3. 24 MScs funded in Crop Science
4. 10 MScs funded in Soil Science

Research & Development

5. 59 Varieties released
6. 56 Varieties commercialized
7. 7 Seed companies supported
8. 99,369 MT of seed produced
9. 1,405 Agro-dealers trained
10. 1,322 MT Inorganic fertilizer sold by the agro-dealers

Input Production & Distribution

11. 3,506 Lead farmers trained in ISFM
12. 203 Extension agents trained on ISFM
13. 24 Lab technicians trained in ISFM
14. 1,904 FOs trained on ISFM
15. 221,471 Farmers with knowledge on ISFM
16. 100 Extension agents trained on ISFM
17. 10,139 Farmers with knowledge on ISFM

Awareness Creation on Agriculture Transformation

18. 3,506 Lead farmers trained in ISFM
19. 203 Extension agents trained on ISFM
20. 24 Lab technicians trained in ISFM
21. 1,904 FOs trained on ISFM
22. 221,471 Farmers with knowledge on ISFM
23. 132,419 Farmers using ISFM technologies
24. 67,828 Ha Cropped with ISFM technologies
25. 1,500 Farmers using ISFM technologies
26. 1,111 Ha Cropped with ISFM technologies
27. 1,405 Agro-dealers trained
28. 1,322 MT Inorganic fertilizer sold by the agro-dealers
29. 18 PhDs funded in Plant Breeding
30. 2 PhDs funded in agronomy
31. 24 MScs funded in Crop Science
32. 10 MScs funded in Soil Science

Adoption

33. 132,419 Farmers using ISFM technologies
34. 67,828 Ha Cropped with ISFM technologies
35. 1,500 Farmers using ISFM technologies
36. 1,111 Ha Cropped with ISFM technologies
37. 1,405 Agro-dealers trained
38. 1,322 MT Inorganic fertilizer sold by the agro-dealers
39. 18 PhDs funded in Plant Breeding
40. 2 PhDs funded in agronomy
41. 24 MScs funded in Crop Science
42. 10 MScs funded in Soil Science

Production Postharvest & Marketing

43. 410,070 MT Commodity aggregated at a value of US$ 244.7m
44. 123,283 MT Commodity aggregated at a value of US$ 81.1M
45. 34,678 MT Volume of seed produced
46. 885 MT Inorganic fertilizer sold by AGRA supported agrodealers

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
3. Input Production & Distribution
4. Awareness Creation on Agriculture Transformation
5. Adoption
6. Production Postharvest & Marketing

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**Zambia**

Grants: 24  
Value of the Grants: US$12.4 million

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### Research Capacity Building

- 7 PhDs funded in Plant Breeding
- 4 PhDs funded in agronomy
- 14 MScs funded in Crop Science
- 10 MScs funded in Soil Science

### Research & Development

- 13 Varieties released
- 8 Varieties commercialized

### Input Production & Distribution

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

### Awareness Creation on Agriculture Transformation

- 1,066 Lead farmers trained in ISFM
- 197 Extension agents trained in ISFM
- 21 Lab technicians trained in ISFM
- 575 FOs trained on ISFM
- 93,100 Farmers with knowledge on ISFM
- 26,796 Farmers trained in governance, group dynamics and leadership
- 11,198 MT Commodity aggregated at a value of US$ 4M

### Adoption

- 59,603 Farmers using ISFM technologies
- 38,538 Ha Cropped with ISFM technologies
- 2,000 farmers using ISFM technologies
- 500 Ha cropped with ISFM technologies

### Production Postharvest & Marketing

- 921 MT Commodity aggregated at a value of US$ 0.42m

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**2015 Achievements**

1. **Research Capacity Building**
   - 2 MSc supported in Crop Science

2. **Research & Development**
   - 4 Varieties commercialized

3. **Input Production & Distribution**
   - 8,654 MT Volume of seed produced
   - 68 MT Inorganic fertilizer sold by AGRA supported agrodealers

4. **Awareness Creation on Agriculture Transformation**
   - 50 Lead farmers trained
   - 100 Extension agents trained on ISFM
   - 3,528 Farmers trained on PHH, quality, storage and structured trading
   - 20,000 Farmers with knowledge on ISFM
   - 63,052 Farmers trained in governance, group dynamics and leadership

5. **Adoption**
   - 2,000 farmers using ISFM technologies
   - 500 Ha cropped with ISFM technologies

6. **Production Postharvest & Marketing**
   - 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
Farmers using improved seeds: 107,107

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
9 MSc students enrolled in Crop Science
9 MSc graduates in Crop Science

Input Production & Distribution
3 Seed companies supported
994 MT of seed produced

Research & Development
1 PhD enrolled in Plant Breeding
8 MSc students enrolled in crop science

Input Production & Distribution
19 Varieties released:
- Rice (4)
- Maize (9)
- Sorghum (3)
- Cassava (3)
5 Varieties disseminated

3 Seed companies supported
1,199 MT of seed produced

Other Countries

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