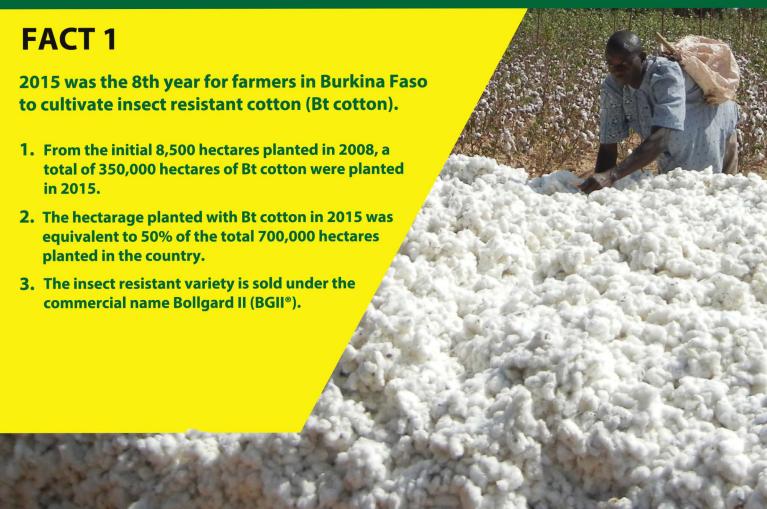
# Top Ten Facts on Agri-biotechnology and Biosafety in Burkina Faso, By 2015

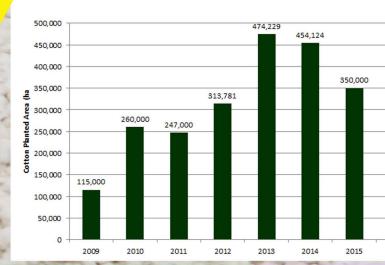




Since 2008, increasing number of farmers made individual and deliberate decisions to grow Bt cotton.

- 1. In 2015, approximately 111,000 farmers grew Bt cotton from the initial 4,300 that planted the crop in 2008.
- 2. The adoption rate recorded in 2015 represents a 26-fold increase from the initial number of farmers who planted.
- Majority of farmers growing Bt cotton are smallholders farmers with an average of 3.16 hectares.

Bt Cotton (BGII) Planted Area (ha) 2009 - 2015



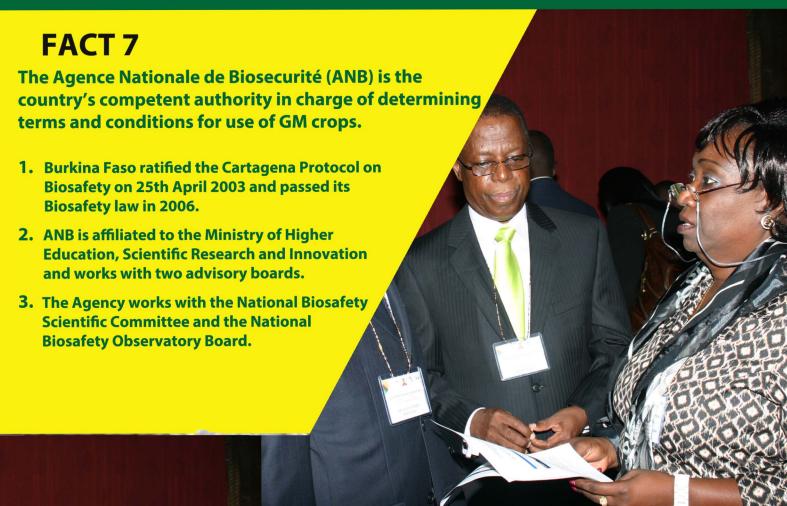






Burkinabe researchers in collaboration with other partners are actively involved in other biotechnology research activities on cotton, cowpea and sorghum.

- Research on cowpea is focusing on developing GM pod-borer resistant varieties expected to yield 20% more than conventional varieties. These varieties were at multi-locational trials stage in three sites by 2015.
- 2. In sorghum, research is aimed at generating a bio-fortified sorghum that contains lysine, vitamin A, iron and zinc.
- 3. By 2015, insect resistant/ herbicide tolerant cotton was in the 2nd stage of confined field trials while research to address the short staple length observed in current Bt cotton varieties is underway.



The rapid growth of Bt cotton adoption and ongoing biotech research has enjoyed strong government political goodwill over the years.

 The government has provided facilitative policy environment and support for continuous stewardship initiatives to improve the cotton subsector.

2. The government has supported development of requisite biosafety regulations for GM crops evaluation and commercialization.

3. As the pioneer in GM crops commercialisation in western Africa region, many countries have learned about the benefits, opportunities and challenges associated with adoption of biotech/GM crops in Africa.



Burkina Faso was among the 15 countries that grew biotech cotton in 2015 when a total of 24 million hectares were planted on biotech upland cotton.

- Four of the countries grew more than 1.0 million hectares: India (11.6 million hectares), China (3.6 million), USA (3.4 million), and Pakistan (2.9 million hectares).
- 2. In 2015, biotech hybrid cotton in India, the largest cotton growing country in the world, occupied 11.6 million hectares of approved Bt cotton despite almost optimal levels of adoption which reached 95% in 2015.
- 3. The increase in income benefits for farmers growing biotech cotton during the 19-year period 1996 to 2014 was US\$46.5 billion and US\$4.1 billion for 2014 alone.



Three key lessons from eight years of growing Bt cotton emerge;

1. Importance of adhering to best agronomic practices and strong stewardship plans for sustaining product integrity.

2. Significance of integrating the best of conventional breeding with the best of biotech applications as informed by local stakeholders to enhance impact.

3. The value of a strong multidisciplinary and all-inclusive communication and outreach program to keep all stakeholders engaged.

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"My first experience with Bt cotton fetched me 300,000 CFA francs. At the time, I had never handled that kind of money before in my life. I had to carry a bag to withdraw that much cash! Since then, I have always hit that amount or even more. Last year, I made 1.3 million CFA francs. It is only when we get poor rainfall that I find myself below one million CFA francs."

- Rasmané Bélem, a Burkinabé Bt cotton farmer



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