



CAST QTA2016-2

### *The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade, and Innovation*

Released December 8, 2016

Chair: Nicholas Kalaitzandonakes, University of Missouri-Columbia;  
Eight-member task force

#### Release/Rollout

CAST was selected by USDA-FAS to produce this literature review and report. Dr. Nicholas Kalaitzandonakes, University of Missouri led the taskforce that assembled the report. CAST had it translated into Mandarin Chinese and the report was shared initially with the U.S. government and Chinese officials in November 2016.

*The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade, and Innovation* was released live on the CAST website and presented in the morning session to Senate staffers and a lunch gathering to House staffers on December 8, 2016. CAST was assisted by the National Coalition for Food and Ag Research (NC-FAR). An afternoon program was cohosted by the U.S. Biotech Crops Alliance and held at American Farm Bureau Federation. There was a presentation and panel discussion followed by a reception.

- 52 registrants attended in-person and 74 by webinar.

#### Press Release (results two weeks after release)

- Press release went to 8,645 e-contacts (2,920 media) resulting in 3,121 opens/interactions
- 81,140 headline impressions, and 215 online pickups [on press release through PRWeb](#).
- A sampling of sites where the release was picked up: Global Farmer Network, Feedstuffs, International Service for the Acquisition of Agri-Biotech Applications (ISAAA), Bio-Medicine, BioPortfolio, Biosciences for Farming in Africa (B4FA), Farm Forum, Meridian Institute, and Newswire.

#### Follow-On Activities

- Video of the panel discussion posted on CAST website (Link no longer active when publishing this document) [http://players.brightcove.net/38321809001/default\\_default/index.html?videoId=5241286527001](http://players.brightcove.net/38321809001/default_default/index.html?videoId=5241286527001) ((CAST intro: 0:00 - 09:25; Presentation of Report: 09:26 - 39:49; Panel: 39:50 - 1:26:03)
- CAST Blog, *Ag Headlines—Pollinators, Biotech Crops, Cheese Alerts, and the Hygiene Hypothesis*, July 18, 2017, <http://cast-science.blogspot.com/2017/07/ag-headlinespollinators-biotech-crops.html>

#### Paper Distribution

- Commentary Downloads—6 months after release: 4,046; 1 year after release: 6,685; 18 months after release: 8,014; 2 years after release: 11,833

- Ag quickCAST Downloads—6 months after release: 2,195; 1 year after release: 3,258; 18 months after release: 3,416; 2 years after release: 4,356
- Mandarin Chinese Translation Commentary Downloads—6 months after release: 1,250; 1 year after release: 1,761; 18 months after release: 2,244; 2 years after release: 2,636
- Mandarin Chinese Translation Ag quickCAST Downloads—6 months after release: 162; 1 year after release: 283; 18 months after release: 416; 2 years after release: 573

## Indirect Paper Distribution

*Bioscience for Farming in Africa*, B4FA Week in Review, December 21, 2016 (link to paper)

<http://b4fa.org/b4fa-week-review-21-december-2016/>

*Indonesian Biotechnology Information Centre*, 12/14/16, *New CAST Paper Examines Trade and Biotech Issues*

<http://www.indobic.or.id/indobic/new-cast-paper-examines-trade-and-biotech-issues>

*Information Technology and Innovation Foundation* by Val Giddings, December 7, 2016 (link to paper)

*The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade, and Innovation*

<https://itif.org/publications/2016/12/07/impact-asynchronous-approvals-biotech-crops-agricultural-sustainability>

*Southern Crop Production Association* (summary and link to paper)

<http://www.southcrop.org/production-reports/the-impact-of-asynchronous-approvals-for-biotech-crops-on-agricultural-sustainability-trade-and-innovation/>

## Articles and Web Mentions

*AgriPulse (International)*, by Bill Tomson, December 8, 2016

*US report (aimed at China) details costs of biotech-approval delays*

<https://www.agri-pulse.com/articles/8093>

*Big Ag Watch*, Robert Holly, December 13, 2016

*New report from organization backed by Big Ag highlights problems with international GMO approval periods*

<http://big-agwatch.org/2016/12/13/new-report-from-organization-backed-by-big-ag-highlights-problems-with-international-gmo-approval-periods/>

*Biosafety Newsletter*, October-December 2016, Vol. VIII, Issue 4 (p. 9 article on paper with links)

Prepared by the Ministry of Environment, Forest, and Climate Change. Government of India.

[http://www.geacindia.gov.in/resource-documents/biosafety-newsletters/15\\_BiosafetyNewsletter\\_Oct-Dec\\_2016.pdf](http://www.geacindia.gov.in/resource-documents/biosafety-newsletters/15_BiosafetyNewsletter_Oct-Dec_2016.pdf)

*Council on Food, Agricultural, and Resource Economics*, December 2016

<http://www.aaea.org/membership/government-relations-update/december-2016>

*Feedstuffs*, December 8, 2016

*CAST report examines timely trade, biotechnology issues*

<http://www.feedstuffs.com/story-cast-report-examines-timely-trade-biotechnology-issues-52-150402>

*Genetic Literacy Project*

*Timing of approval of biotech crops in different countries has big impact on innovation*

<https://geneticliteracyproject.org/2016/12/15/timing-of-approval-of-biotech-crops-in-different-countries-has-big-impact-on-innovation/>

*Global Farmer Network*

Updated December 10, 2018

*More fair, not less free US trade policy?* – news for week of Dec 5, 2016

<http://globalfarmernetwork.org/2016/12/fair-not-less-free-us-trade-policy-news-week-dec-5/>

**Information Technology and Innovation Foundation** by Val Giddings, December 15, 2016

*The Price of Folly: Trade Disruptions Caused by Flawed Agricultural Biotechnology Regulations*

<https://itif.org/publications/2016/12/15/price-folly-trade-disruptions-caused-flawed-agricultural-biotechnology>

Iowa State University, College of Agriculture and Life Sciences Online, Dec. 12, 2016 – No. 930

<https://www.cals.iastate.edu/news/agonline/issue/930>

**Meridian Institute**, December 12, 2016

*CAST Research Paper Examines Trade and Biotech Issues*

[http://www.merid.org/en/Content/News\\_Services/Food\\_Security\\_and\\_AgBiotech\\_News/Articles/2016/Dec/12/Trade.aspx](http://www.merid.org/en/Content/News_Services/Food_Security_and_AgBiotech_News/Articles/2016/Dec/12/Trade.aspx)

**National Grain and Feed Association**, December 14, 2016

*NGFA reviews report on asynchronous biotech approvals*

<https://www.ngfa.org/newsletter/ngfa-reviews-report-asynchronous-biotech-approvals/>

**Southern Crop Production Association**, December 12, 2016

Summary of report with link to CAST news

<http://www.southcrop.org/hill-gmo/the-impact-of-asynchronous-approvals-for-biotech-crops-on-agricultural-sustainability-trade-and-innovation-2/>

## Paper Citations

**AgroGene**, February 17, 2017

啥? 转基因审批时间差,也影响了消费者钱袋子

Google translation: *What? GM approval time is poor, but also affected the consumer money bag!*

Same article found with translated title: *GMO approval time difference affect the application of GMO promotion*

<http://www.agrogene.cn/info-3761.shtml>

## CropGen

*The Consequences of Delayed Approvals of GM Crops*

[http://cropgen.org/article\\_711.html](http://cropgen.org/article_711.html)

**Fundamentals of Weed Science**. 2018.

<https://books.google.com/books?id=10E7DwAAQBAJ&pg=PA532&lpg=PA532&dq=The+Impact+of+Asynchronous+Approvals+for+Biotech+Crops+on+Agricultural+Sustainability+Trade+and+Innovation+%22The+Impact+of+Asynchronous+Approvals+for+Biotech+Crops+on+Agricultural+Sustainability,+Trade,+and+Innovation%22&source=bl&ots=tcCRC2xKQg&sig=IUxBoJr973Q4fPp53kGkc2Mh--s&hl=en&sa=X&ved=0ahUKEwiLws2U6tPbAhWJ5YMKHaAJCkAQ6AEIVjAI#v=onepage&q=The%20Impact%20of%20Asynchronous%20Approvals%20for%20Biotech%20Crops%20on%20Agricultural%20Sustainability%20Trade%20and%20Innovation%20%22The%20Impact%20of%20Asynchronous%20Approvals%20for%20Biotech%20Crops%20on%20Agricultural%20Sustainability%2C%20Trade%2C%20and%20Innovation%22&f=false>

**ISAAA. 2016. Global Status of Commercialized Biotech/GM Crops: 2016. ISAAA Brief No. 52. ISAAA: Ithaca, NY. P 16.**

<https://www.isaaa.org/resources/publications/briefs/52/executivesummary/pdf/B52-ExecSum-English.pdf>

**Regulating and Managing Food Safety in the EU**. 2018.

Updated December 10, 2018

[https://books.google.com/books?id=QBdnDwAAQBAJ&pg=PA373&lpg=PA373&dq=The+Impact+of+Asynchronous+Approvals+for+Biotech+Crops+on+Agricultural+Sustainability+Trade+and+Innovation+%22The+Impact+of+Asynchronous+Approvals+for+Biotech+Crops+on+Agricultural+Sustainability+Trade+and+Innovation%22&source=bl&ots=H3SR T3Q9Ba&sig=z2xvs7taRQ9a4ukbNjowzzS8BAk&hl=en&sa=X&ved=2ahUKEwim\\_ZDUvZXfAhWK64MKHcvtCQsQ6AEwCXoECAAQAQ#v=onepage&q=The%20Impact%20of%20Asynchronous%20Approvals%20for%20Biotech%20Crops%20on%20Agricultural%20Sustainability%20Trade%20and%20Innovation%22&f=false](https://books.google.com/books?id=QBdnDwAAQBAJ&pg=PA373&lpg=PA373&dq=The+Impact+of+Asynchronous+Approvals+for+Biotech+Crops+on+Agricultural+Sustainability+Trade+and+Innovation+%22The+Impact+of+Asynchronous+Approvals+for+Biotech+Crops+on+Agricultural+Sustainability+Trade+and+Innovation%22&source=bl&ots=H3SR T3Q9Ba&sig=z2xvs7taRQ9a4ukbNjowzzS8BAk&hl=en&sa=X&ved=2ahUKEwim_ZDUvZXfAhWK64MKHcvtCQsQ6AEwCXoECAAQAQ#v=onepage&q=The%20Impact%20of%20Asynchronous%20Approvals%20for%20Biotech%20Crops%20on%20Agricultural%20Sustainability%20Trade%20and%20Innovation%22&f=false)

*U.S.-China Economic and Security Review Commission, Economic and Trade Bulletin*, July 6, 2017 (reference 22)  
<https://www.uscc.gov/sites/default/files/Research/July%202017%20Trade%20Bulletin.pdf>

*USDA—Research, Education, & Economic Information System*

*The Economics of Soybean Biotechnology Regulation*

<https://reeis.usda.gov/web/crisprojectpages/0221067-the-economics-of-soybean-biotechnology-regulation.html>

## Social Media

**Twitter—**

[ **@B4FA**]: Report: The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade, and Innovation  
(14 Dec 16)

**Facebook—**

[**Biosciences for Farming in Africa- B4FA**]: Report: The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade, and Innovation  
(14 Dec 16)

[**Gafta: The Grain and Feed Trade Association**]: FREE EVENT: The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability, Trade & Innovation  
(29 Nov 16)

[**BioPortfolio**]: CAST Research Paper Examines Trade and Biotech Issues: The United Statesbased nonprofit Council for Agricultural Science and Technology CAST on Thursday released a literature review and report The Impact of Asynchronous Approvals for Biotech Crops on Agricultural Sustainability Trade and Innovation which looks...  
(12 Dec 16)