

4th Joint Aarhus Convention/Convention on Biological Diversity Roundtable on Public Awareness, Access to Information and Public Participation regarding LMOs

Perspectives of the Private Sector on Access to Information

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11-12 December 2023



The voice of industry

- Represents companies engaged in plant science, seed production, agricultural biotechnology, food production, animal agriculture
- Coordinates input from developers and users of biotechnology on all issues under Cartagena Protocol on Biosafety (BSP) and relevant issues under Convention on Biological Diversity (CBD)
- Truly “global” representation – with partners in over 25 countries
- Observer organization for industry within the CBD
- Closely coordinates with industry stakeholders, including the grain and seed trades
- Is led by CropLife International (Sarah Lukie, Executive Director sarah.lukie@croplife.org)

Private Sector's Views and Best Practices

Access to Information and Participation in Decision-making



Effective Public Awareness and Education



Public Consultation on LMO Decisions



Crucial for facilitating transparency and accountability, and strengthening public support for the decisions taken by governments

Public awareness and education opportunities should be as transparent as possible

Transparent, timely and proportionate to the risks involved;
Be consistent with the procedures followed for similar products/activities

The public should have access to information to be able to participate effectively in decision-making processes and to make informed decisions

Information given to the public should be direct and understandable

Be as inclusive as possible, balancing this with the need to focus on products that are moving forward in the regulatory review process

Each government to decide how the public may be involved in various decision-making processes

Awareness and education opportunities must be timely in order to have impact

Should emphasize the integrity and effectiveness of national decision-making processes and reflect the scope of the Aarhus Convention and Cartagena Protocol on Biosafety provisions on public participation in decision-making

The GIC supports public notice and comment on proposed decisions on applications for the deliberate and unrestricted release of LMOs into the environment

Specific stakeholders may need "Custom-made" information

Respect confidential information and intellectual property rights in accordance with Parties' obligations under Article 21 of the Cartagena Protocol on Biosafety and relevant provisions of the Aarhus Convention

**Private sector making information
easily accessible**

Publicly-Accessible Databases

- Host and manage website providing commercial status and risk assessment data for all CLI member company products
 - <http://www.biotradestatus.com/>
 - Interoperable with the Biosafety Clearing-house (BCH)

Select Crop:

- All Commodities
- Alfalfa
- Canola
- Corn
- Cotton
- Rice
- Soybean

Select Company:

- All Companies
- BASF
- Bayer CropScience
- Dow AgroSciences LLC
- DuPont Pioneer
- Monsanto
- Syngenta

Select by:

Event Name	OECD Unique Identifier(s)	Product
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All Events

- 1507 X MON810 X MIR162*
- 1507 X MON810*
- 176
- 281-240-236 X 3006-210-23*

* Indicates Combined Event Product

Select Country:

- All Countries
- Argentina
- Australia
- Australia/New Zealand
- Brazil
- Burkina Faso
- Canada

Select by Last Updated Date:

All Dates -OR- Specific Dates: to

- Host and manage a website providing detection methods for all CLI member company commercialized products
 - <http://www.detection-methods.com/>
 - Also provides related materials and information
 - Interoperable with the BCH

Search for a detection method:



Selecting Cotton, Potato & Monsanto will display all methods applicable to (Cotton OR Potato) AND developed by Monsanto

All Crops Alfalfa Canola/Oilseed Rape Corn/Maize Cotton Potato	All Developers BASF Plant Science Company GmbH Bayer CropScience Dow AgroSciences DuPont Pioneer Forage Genetics International	All Products Agrisure Duracade® Corn/Maize Agrisure Viptera® Corn/Maize Agrisure® 3000GT Corn/Maize Agrisure® 3120 Corn/Maize Agrisure® CB/LL Corn/Maize
All Events (by common name) 281-24-236 x 3006-210-23 3272 5307 59122 A2704-12 / LL27	All Events (by OECD identifier) DAS-24236-5 x DAS-21023-5 SYN-E3272-5 SYN-05307-1 DAS-59122-7 ACS-GM005-3	All Proteins 2mEPSPS ADD AMY797E APH4 CCOMT

Publicly-Accessible Databases

- Provide data contributions to the Agriculture and Food Systems Institute (AFSI) crop composition database that are used as a reference for regulatory agencies internationally
 - <https://www.cropcomposition.org/>

Search Crop Composition Database v9.1

SEARCH

Include Submitted
Data:

* Denotes Required Fields

* Crop Type:

* Tissue/Variety Type: Note that "Variety Type" refers to Apple crop only

Crop Year(s):

Country(ies):

Region(s):

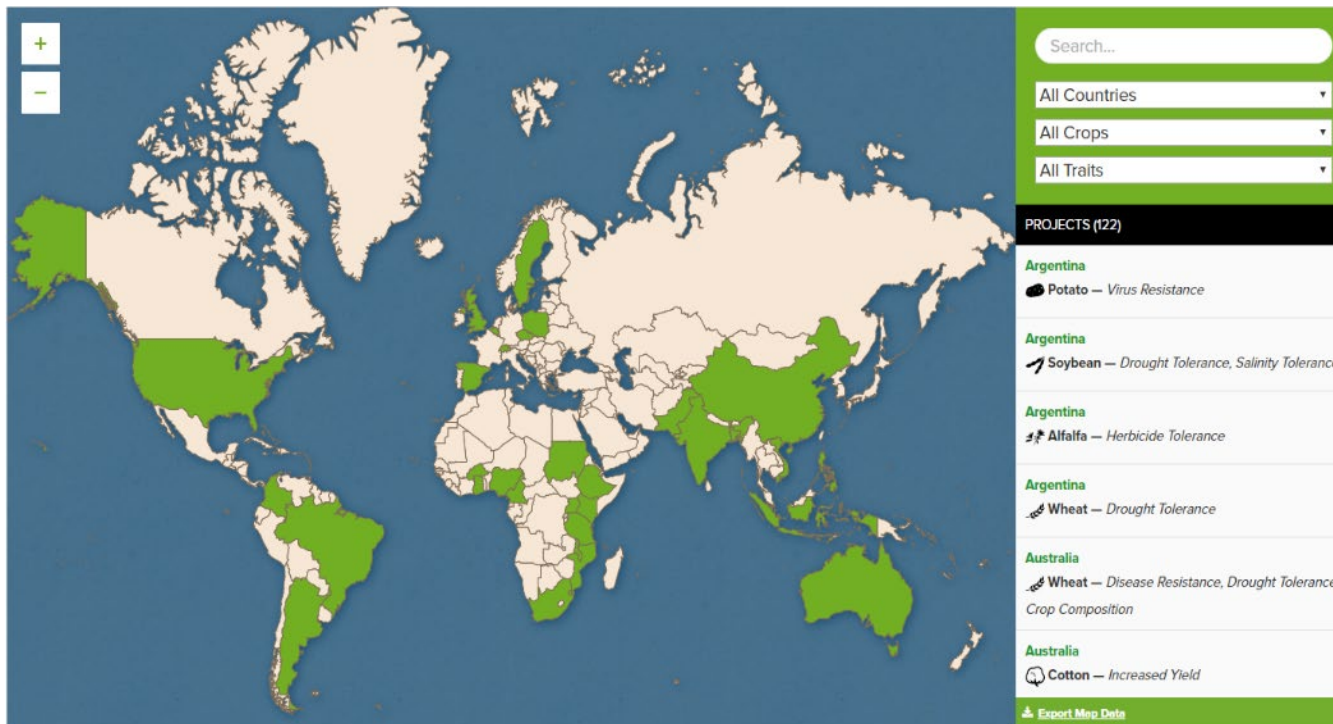
Publicly-Accessible Databases

- Collect and publish annually CLI member company product pipelines
 - https://croplife.org/wp-content/uploads/2017/09/CropLifePlantBiotechPipeline2017_V5.pdf
 - Early development and advanced development (5-7 years) categories, categorized by crop

Plant Biotechnology Pipeline		Canola (Oilseed Rape)	
LEGEND			
Pest Management	Increased Yield	Stress Tolerance	Crop Composition
EARLY DEVELOPMENT		ADVANCED DEVELOPMENT (NEXT 5-7 YEARS)	
Herbicide Tolerance	Dicamba Tolerance (Monsanto)	Herbicide Tolerance	TruFlex™ Roundup Ready® (Monsanto)
Oil Quality	(Bayer)	Herbicide Tolerance	Optimum® GLY (DuPont Pioneer)
PEST MANAGEMENT TRAITS		Herbicide Tolerance	LL (DuPont Pioneer)
RR = Roundup Ready®		Herbicide Tolerance	Optimum® GLY + LL (DuPont Pioneer)
LL = Liberty Link™, tolerant to glufosinate herbicides		Herbicide Tolerance	LibertyLink® (Monsanto)
"Early Development" may include products in their research, discovery and proof of concept phases, as well as early product development.		Herbicide Tolerance	RR + LL (Bayer)
"Advanced Development" products are in late stages of development and have an expected launch date within the next five to seven years, subject to regulatory approvals. Contact individual trait developers for timelines and estimated launch dates.		Herbicide Tolerance	TruFlex™ Roundup Ready® + LibertyLink® (Monsanto)
		Healthy Fatty Acids	(BASF, Cargill)

Publicly-Accessible Databases

- Collect and regularly update public sector development pipeline across the globe
 - <https://croplife.org/agricultural-innovation/>
 - Communicated on a country-by-country basis



National and Regional Information-sharing Efforts

- National/regional biotechnology information websites in national languages:

- CropLife Korea
<http://www.croplifekorea.org/rb/>
- ArgenBio <http://www.argenbio.org/> and <https://biotec-latam.com/en/>
- CropLife Europe
<https://croplifeeurope.eu/> and www.gmoinfo.eu

- National information-sharing programs

- Biotechnology Week (Europe, Canada and the Philippines)



National and Regional Information-sharing Efforts

- Visitors Programs/Visitor's Centers/Education initiatives
 - Company-specific
- Journalist education programs
 - Councils for Biotechnology Information Japan and Brazil
- Farmer exchange programs
 - Annual Pan-Asian Farmer exchange
- Farmer training programs
 - Field Trial Compliance training in Africa
 - Sponsorship of Global Farmer Network and Alliance for Science farmer training
- Curriculum Development and Teacher Training
 - Por Qué Biología (Why Biotechnology) program in Argentina trained over 10,000 teachers



BASF's award-winning, hands-on STEM education programs inspire young minds and shape the future of our industry. To learn more about our STEM education offerings, follow us on Facebook and Instagram.

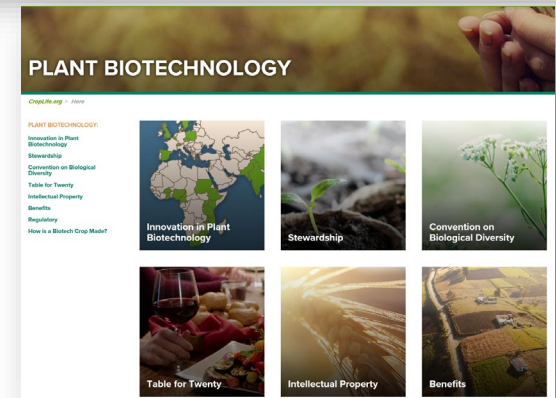
   [@BASF_ScienceEd_NorthAmerica](#)
We create chemistry [@basf_na](#)




POR QUÉ BIOTECNOLOGÍA

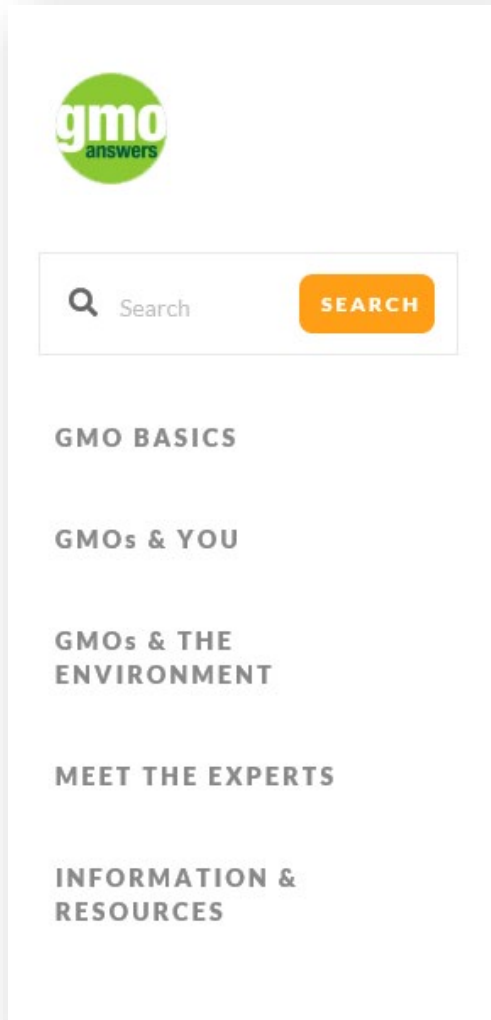
Other Contributions

- Participate in multi-lateral forums (e.g., OECD, CBD) and international scientific conferences (e.g., International Society for Biosafety Research Symposia)
- Publish position papers on the CLI website/other national Network websites detailing policy positions with associated scientific rationale:
 - Path to market: <https://croplife.org/wp-content/uploads/2014/04/Fact-Sheet-Getting-a-Biotech-Crop-to-Market.pdf>
 - Stacked Trait Regulation: https://croplife.org/wp-content/uploads/2015/01/CLI-STPT-Stack-Position-Paper-January-2015_FINAL.pdf
- Make available numerous peer reviewed studies on specific proteins/products by CropLife International member companies that provide raw data
 - www.croplife.org
- Collaborate with public developers and other non-profit institutions (e.g. Golden Rice)



How does the private sector provide information upon request?

GMO Answers



- [www.GMOAnswers](http://www.GMOAnswers.com)
 - includes questions from website visitors, which are answered by independent experts and scientists, including company scientists
 - provides downloadable infographics, videos, and other content about plant biotech
- Provides information updates daily on plant biotechnology through social media platforms
- Supported by a community of hundreds of independent scientific experts, including from industry
- Sponsored and maintained by CropLife International and its members



Trade Association and Company-specific Access

- Contact points provided for each company on the <http://www.biotradestatus.com/> for questions on regulatory data and commercial products

Contact us



We listen and want to provide answers



What is your experience with industry participation?
Please share your views

Contact:

Sarah Lukie, CropLife International/GIC (sarah.Lukie@croplife.org)
