CROPLIFE INTERNATIONAL DETECTION METHODS DATABASE

INFORMAL ADVISORY COMMITTEE ON THE BIOSAFETY CLEARING-HOUSE

16 May 2023

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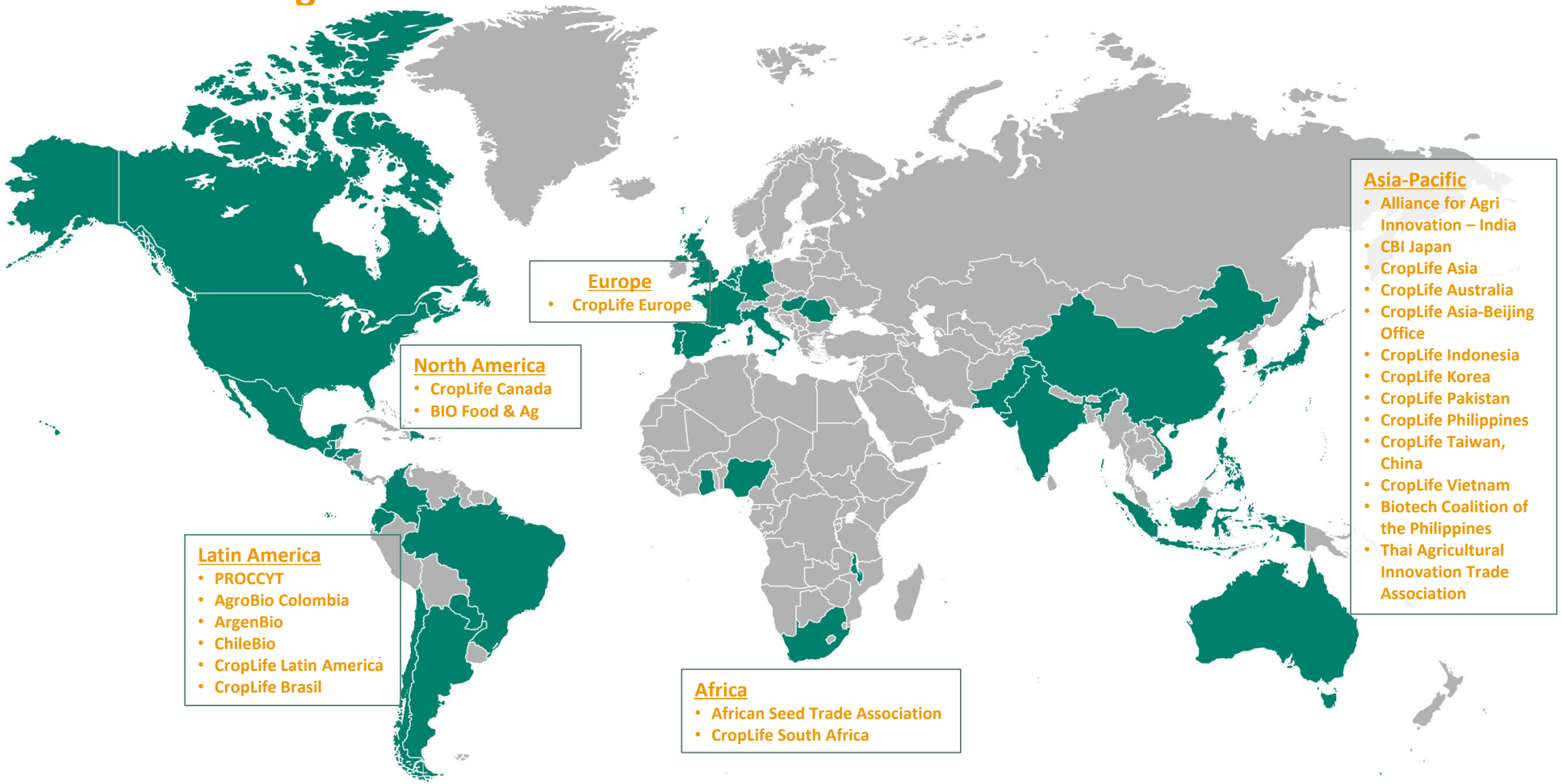
Member Companies

CropLife INTERNATIONAL

Plant Biotech Network

24 National & Regional Associations



Europe
- CropLife Europe

North America
- CropLife Canada
- BIO Food & Ag

Asia-Pacific
- Alliance for Agri Innovation – India
- CBI Japan
- CropLife Asia
- CropLife Australia
- CropLife Asia-Beijing Office
- CropLife Indonesia
- CropLife Korea
- CropLife Pakistan
- CropLife Philippines
- CropLife Taiwan, China
- CropLife Vietnam
- Biotech Coalition of the Philippines
- Thai Agricultural Innovation Trade Association

Latin America
- PROCCYT
- AgroBio Colombia
- ArgenBio
- ChileBio
- CropLife Latin America
- CropLife Brasil

Africa
- African Seed Trade Association
- CropLife South Africa

Biotech Information Sharing

Maintained by CropLife International

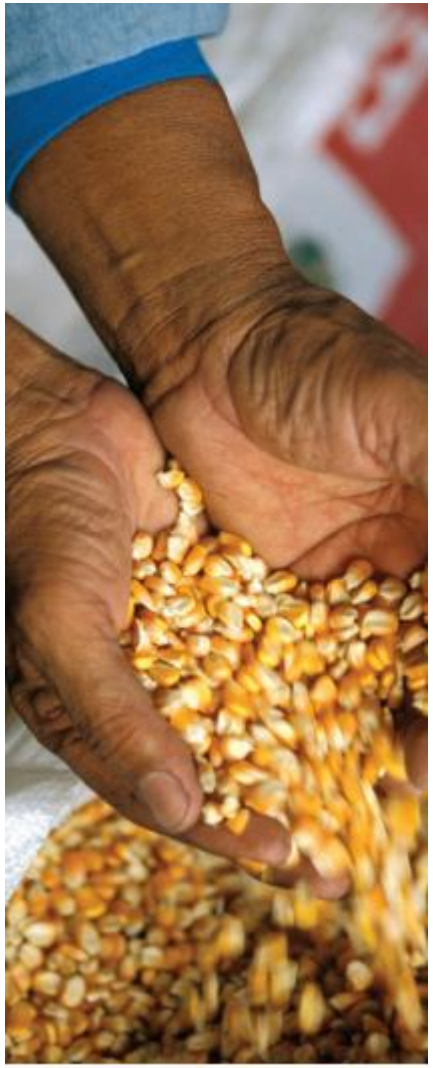
- **Detection Methods database** (https://detection-methods.com/)
  - Public database of GM detection methods, maintained by CropLife International member companies
  - Interoperable with BCH
- **BiotradeStatus website** (http://www.biotradestatus.com/)
  - Public website and database for the Regulatory and Market Status of specific agricultural biotechnology products
  - Linked with BCH
- **AgbioInvestor GM monitor database** (https://gm.agbioinvestor.com)
  - Public website with information about GM approvals and planted area
  - Approvals are based on publicly available data
- **CropLife International Benefits database** (http://biotechbenefits.croplife.org/)
  - Public website with providing links to peer reviewed, published papers on benefits and safety implications associated with the use of LMOs
  - Developed to support implementation of Article 26 of the Protocol which allows for Parties to consider socio-economic considerations in decision-making on import of LMOs
- **GMOAnswers website** (http://gmoanswers.com/)
  - Public website created to provide accurate and validated answers to questions about GMOs
  - Provides easy access to information about GMOs in food and agriculture

Detection Methods Expert Team

- Encourage international standardization and promote implementation of harmonized, practical and science-based regulations for the development, validation, and utilization of detection methods for GM crops
- Provide technical expertise, develop consensus positions and provide answers to regulatory agencies
- Work together with value chain stakeholders to provide access to diagnostic methods and appropriate reference materials
- Manage and maintain the CropLife Detection Methods Database

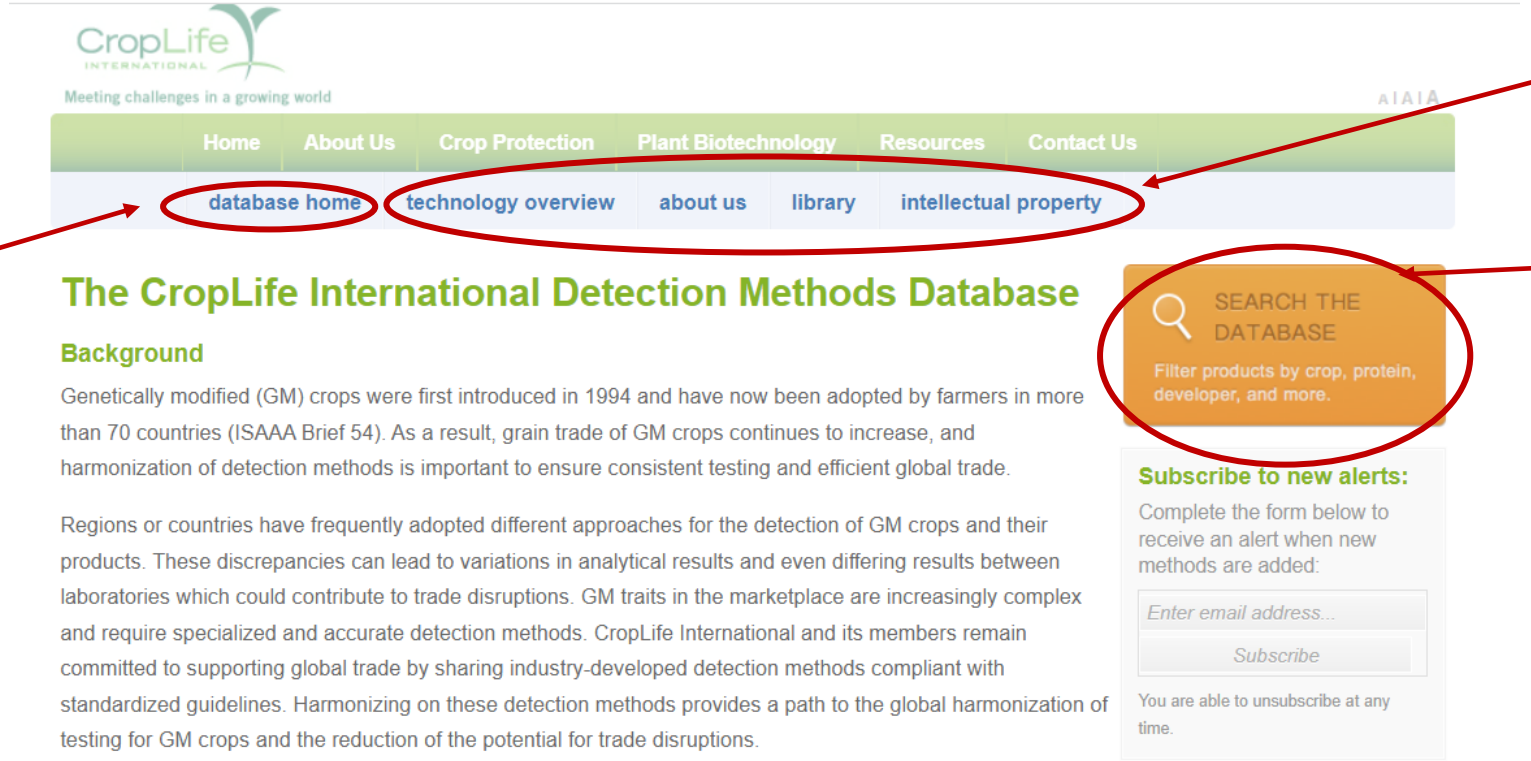
Detection Method Database Goals

- Fulfill member company commitment to make detection methods and reference materials available for regulatory requirements, consumer preference and stewardship of our products
- Ensure robust and consistent testing by sharing validated, industry-developed detection methods that are compliant with standardized guidelines
- Facilitate method access to customers and end-users (e.g. regulators, seed companies) to meet their needs (e.g. LLP testing) without specific license agreements
- Provide transparency to downstream stakeholders and governments
- Support global trade and reduce the potential for trade disruptions
- *Publication of methods is typically at the time of commercial sales*



The Detection Methods Homepage

(https://detection-methods.com/)

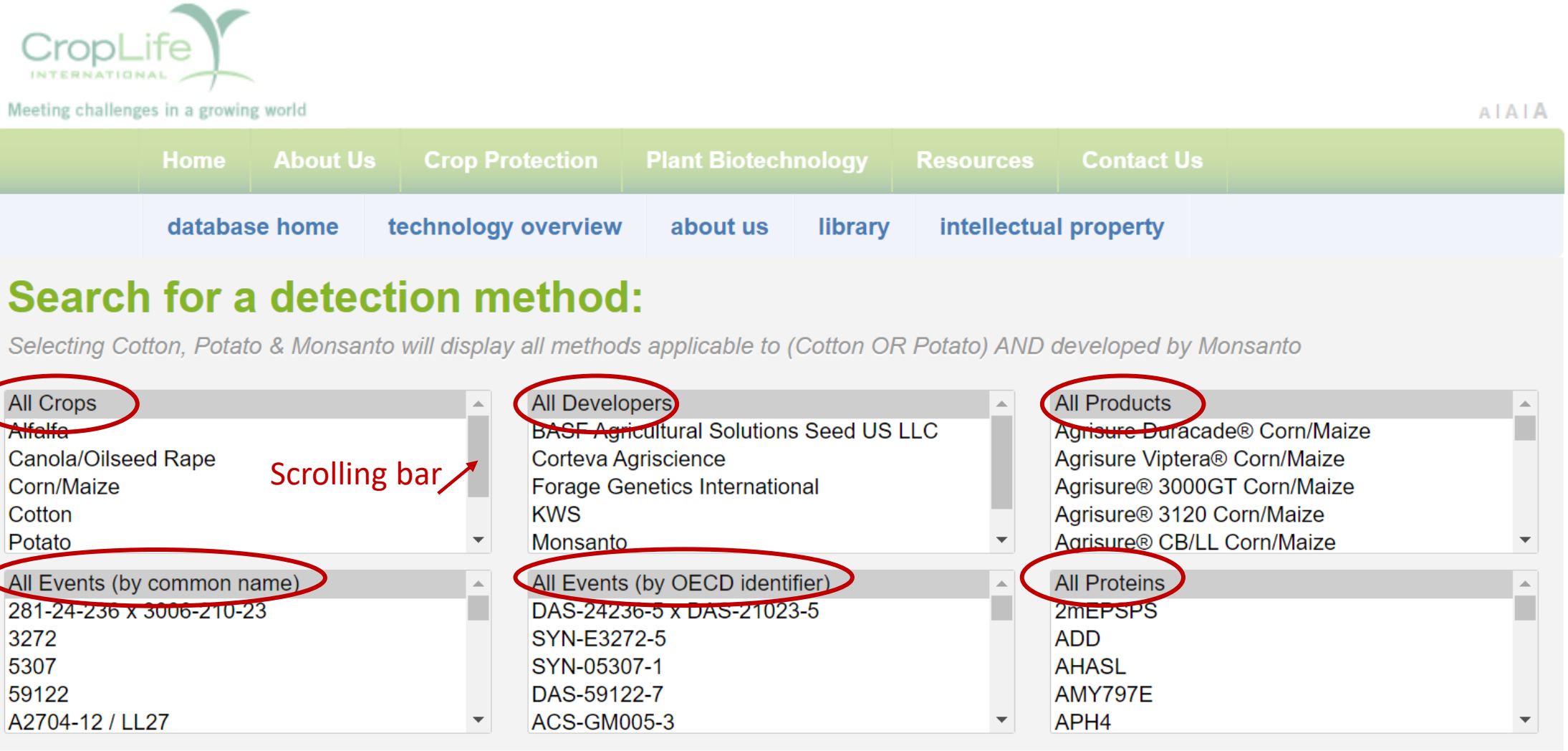


Homepage Information

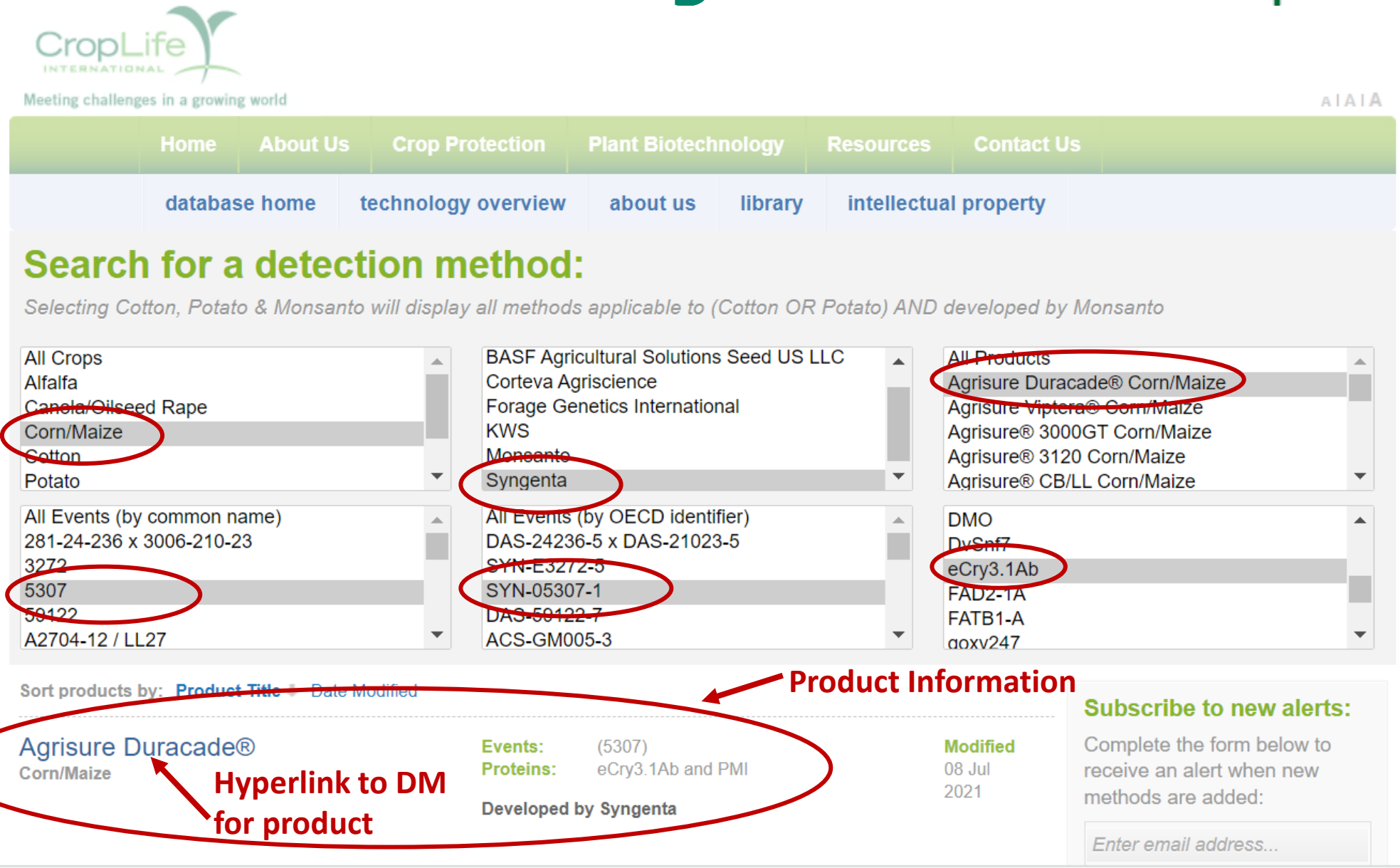
Additional Information

Click to access database

The Database - Selecting a Method



The Database - Selecting a Method



Product Pages

Agrisure Duracade® Corn/Maize

Developed by Syngenta

For more information about Agrisure Duracade® Corn/Maize, please refer to the published descriptions:

- Syngenta

5307

(SYN-05307-1)

CERTIFIED REFERENCE MATERIAL:
› AOCS

PROTEIN METHODS:

eCry3.1Ab | PMI

PCR METHODS:

Quantitative RT

Hyperlink to certified reference material (CRM) provider homepage

PROTEIN METHODS:

eCry3.1Ab	PMI
Envirologix Romer Labs	Romer Labs

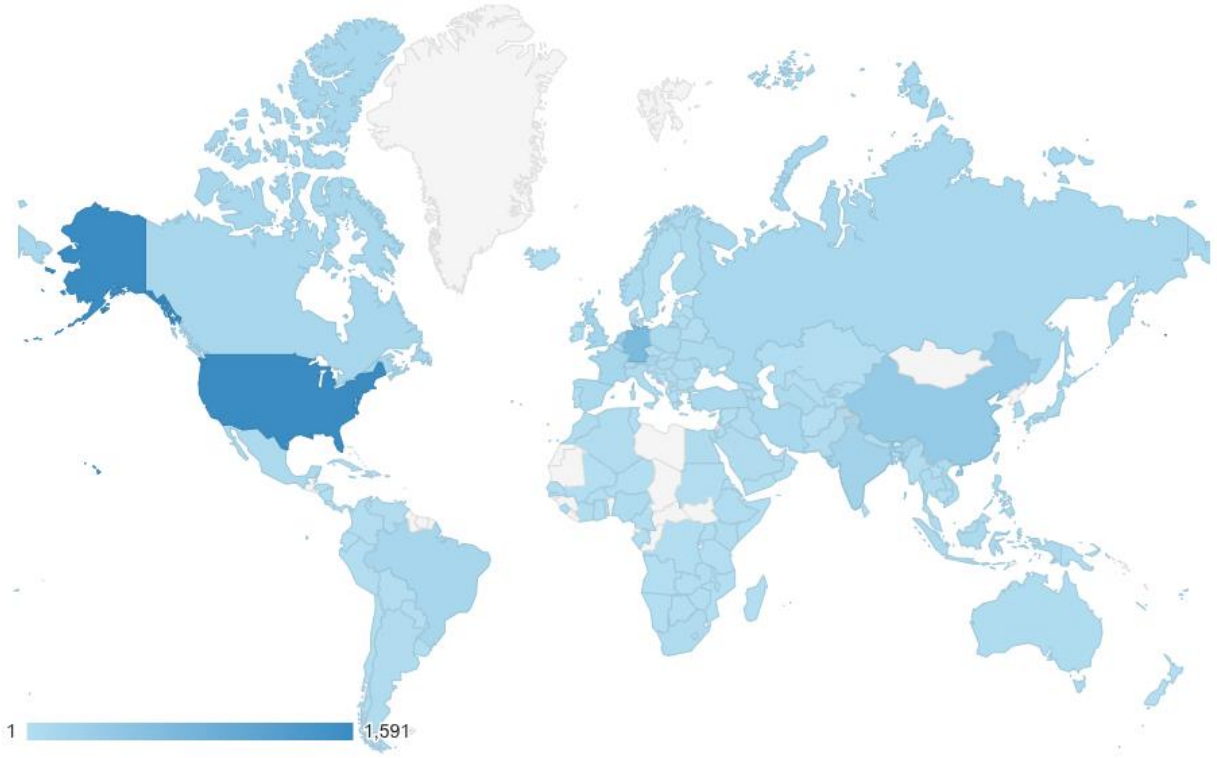
Providers for protein detection kits (ELISA and Lateral Flow Strips)

Hyperlink

Are you undertaking fee-for-service testing?

Yes No

Database - Access Metrics (2022)



1.	United States	**1,396** (25.47%)
2.	Germany	**639** (11.66%)
3.	China	**307** (5.60%)
4.	Netherlands	**266** (4.85%)
5.	India	**164** (2.99%)
6.	Austria	**155** (2.83%)
7.	France	**126** (2.30%)
8.	United Kingdom	**122** (2.23%)
9.	Iran	**104** (1.90%)
10.	Brazil	**98** (1.79%)

Benefits to users

- Enables governments and companies to test commodities and food and feed products without additional legal agreements (unless performing fee-for-service testing)
- Users can be assured they are using up-to-date methods developed and validated by the trait developer
- Questions, inquiries can be sent directly to trait developer
- Database linked to Biosafety Clearing House information on LMOs (Living Modified Organisms)

BiotradeStatus
(http://www.biotradestatus.com/)

CropLife INTERNATIONAL

This database only maintains information about the commercial status of agricultural biotechnology seeds from CropLife International member companies and may not be reflective of other companies that are selling or commercializing these products.

Market Status

Select the Market Status:

- [x] Commodity Cultivation
- [x] Non Commodity Cultivation
- [x] Closed Loop Cultivation
- [x] Last Seed Sales
- [x] Import
- [x] Not Commercialized

Type of Authorization

Select the Authorized For Option:

- [x] Environmental/Cultivation
- [x] Environmental/Import
- [x] Food
- [x] Feed
- [x] Refer to Individual Event Status
- [ ] Safety Certificate
- [x] No Longer Authorized

Crop

Select Crop:

- [ ] All Commodities
- [ ] Alfalfa
- [ ] Canola
- [ ] Corn
- [x] Cotton
- [ ] Rice
- [ ] Soybean

Company

Select Company:

- [x] All Companies
- [ ] BASF
- [ ] Bayer CropScience
- [ ] Corteva™ Agriscience
- [ ] Syngenta

Product

Select by: Event Name | OECD Unique Identifier(s) | Product

- [x] All Events
- [ ] 281-24-236
- [ ] 281-24-236 X 3006-210-23 X COT102 X MON 88913*
- [ ] 281-24-236 X 3006-210-23 X MON 1445*

* Indicates Combined Event Product

Country

Select Country:

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

Select by Last Updated Date:

(•) All Dates -OR- ( ) Specific Dates: 02/28/2011 to 05/09/2023

Search | Reset Fields

BiotradeStatus

CropLife INTERNATIONAL

Total Results Returned: 415

(1 2 3 4 5) »

Group Results: (•) Country ( ) Product ( ) Event ( ) OECD ( ) Market Status ( ) Authorized For

Sorting options

Display: [x] Product Name [x] Event Name [x] OECD Unique Identifier

Modify Search

ARGENTINA

Company	Product	Event	OECD	Crop	Market Status	Authorized For
BASF	None	T304-40	BCS- GHØØ4-7	Cotton	Not Commercialized as a Single Event	Environmental/Cultivation, Food, Feed
BASF	LibertyLink Cotton	LLCotton25	ACS-GHØØ1-3	Cotton	Not Commercialized	Environmental/Cultivation, Food, Feed
BASF	GlyTol Cotton	GHB614	BCS-GHØØ2-5	Cotton	Not Commercialized	Environmental/Cultivation, Food, Feed
BASF	GlyTol X TwinLink	GHB614 X T304-40 X GHB119	BCS-GHØØ2-5 X BCS- GHØØ4-7 X BCS-GHØØ5-8	Cotton	Not Commercialized	Environmental/Cultivation, Food, Feed
BASF	None	GHB119	BCS- GHØØ5-8	Cotton	Not Commercialized as a Single Event	Environmental/Cultivation, Food, Feed
BASF	GlyTol X Liberty Link	GHB614 X LL25Cotton	BCS-GHØØ2-5 X ACS-GHØØ1-3	Cotton	Not Commercialized	Environmental/Cultivation, Food, Feed
BASF	TwinLink	T304-40 X GHB119	BCS- GHØØ4-7 X BCS- GHØØ5-8	Cotton	Not Commercialized	Environmental/Cultivation, Food, Feed
BASF	GlyTol LibertyLink TwinLink Plus	GHB614 X T304-40 X GHB119 X COT102	BCS-GH002-5 X BCS-GH004-7 X BCS-GH005-8 X SYN-IR102-7	Cotton	Import	Environmental/Cultivation, Food, Feed
Bayer CropScience	Roundup Ready Cotton	MON 1445	MON-Ø1445-2	Cotton	Last Seed Sales: 2016	Environmental/Cultivation, Food, Feed
Bayer CropScience	Bollgard Cotton	MON 531	MON-ØØ531-6	Cotton	Last Seed Sales: 2012	Environmental/Cultivation, Food, Feed
Bayer CropScience	Roundup Ready with Bollgard Cotton	MON 531 X MON 1445	MON-ØØ531-6 X MON-Ø1445-2	Cotton	Last Seed Sales: 2016	Environmental/Cultivation, Food, Feed

AUSTRALIA

Company	Product	Event	OECD	Crop	Market Status	Authorized For
Bayer CropScience	Bollgard Cotton	MON 531	MON-ØØ531-6	Cotton	Last Seed Sales: 2001	Environmental/Cultivation
Bayer CropScience	Genuity Bollgard II with Roundup Ready Flex Cotton	MON 88913 X MON 15985	MON-88913-8 X MON-15985-7	Cotton	Commodity Cultivation	Environmental/Cultivation
Bayer CropScience	Bollgard 3 XtendFlex	COT102 X MON 15985 X MON 88913 X MON 88701	SYN-IR1Ø2-7 X MON-15985-7 X MON-88913-8 X MON-887Ø1-3	Cotton	Import	Environmental/Cultivation, Feed
Bayer CropScience	Genuity Bollgard II with Roundup Ready Cotton	MON 15985 X MON 1445	MON-15985-7 X MON-Ø1445-2	Cotton	Last Seed Sales: 2010	Environmental/Cultivation

Thank You!