

Crop Life International Detection Methods Project Team & ABLE - AG

Detection Methods Website
www.detection-methods.com

November 22nd, New Delhi



Detection Methods

■ **CropLife International (CLI)**

- Global federation representing the plant science industry and a network of regional and national associations in 91 countries
- Acts as an ambassador for the plant science industry, based in Brussels
- Biotech Members: BASF, Bayer, Dow AgroSciences, DuPont, Monsanto, and Syngenta

■ **CLI Detection Methods Project Team**

- Implementation of harmonized and practical laws, regulations or policies for the development, validation, and utilization of detection methods for plant biotechnology products



Detection Methods

1. Provide a forum for seed technology registrants to address industry-wide regulatory applications of detection methods and reference materials.
2. Work towards global harmonization of standards and requirements:
 - development, validation and utilization of GMO detection methods.
 - production, distribution and use of related reference materials.
3. Assess intellectual property issues associated with methods and reference materials.



CropLife International (CLI) Position

CLI member companies:

- Recognize the need for reference materials for use in calibration, validation and proficiency testing of detection methods.
- Seek to provide those materials to government agencies in globally harmonized approach.
- Seek to provide materials under principles for transfer in order to control the distribution and use of intellectual property.



Situation Analysis

- Crop Life International (CLI) Companies have committed to make our detection methods and reference materials available for regulatory requirements, consumer preference and stewardship of our products
- Currently, event specific detection methods are initially made public under the name of JRC (EURL – European Union Reference Laboratories) as a requirement of registration
- Other than commercial fee for service testing agreements, CLI Companies are not using our IP to restrict use of the methods



Recommendation

- CLI Companies publish detection methods, associated information and link to sources of reference material (AOCS) on CLI web site
- Timing would be after approval but upon commercial sales
- In order to access/download the information, requestor must agree to terms in drop down box
 - Only restriction would be to prohibit fee for service testing (unless covered under a separate license agreement)
 - Terms would allow other companies to use the method for AP testing of seed for quality and product stewardship
 - Provide contact information of party making request



Benefits

- Enables other companies to test for AP in their seeds without additional legal agreements
- Clearly asserts CLI company methods, reference materials, etc. as the only methods that CLI companies support
- Might limit proliferation of other methods and reference materials which could otherwise slow down harmonization of test results
- Transparency, stewardship and goodwill
- Questions, inquiries come directly to trait provider
- Open to others willing to post detection methods

www.detection-methods.com





Meeting challenges in a growing world

A I A I A

Exit to the Main CropLife International Website

home detection methods basics database overview about us library contact us

Welcome to the CLI Database of Detection Methods

Please use the filters to the right to find specific methods in the list below.

i.e. a search with cotton, corn & Monsanto selected will display those methods applicable to (Cotton or Corn) AND were developed by Monsanto

All Crops Canola/Oilseed Rape Corn/Maize Cotton Potato Soybean	All Developers BASF Plant Science Company GmbH Bayer CropScience Dow AgroSciences KWS Monsanto	All Products Agrisure® 3000GT Corn/Maize Agrisure® CB/LL Corn/Maize Agrisure® CB/LL/RW Corn/Maize Agrisure® GT Corn/Maize Agrisure® GT/CB/LL Corn/Maize
All Events (by common name) 281-24-236 x 3006-210-23 59122 A2704-12 / LL27 Bt11 EH92-527-1	All Events (by OECD identifier) DAS-24236-5 x DAS-21023-5 DAS-59122-7 ACS-GM005-3 SYN-BT011-1 BPS-25271-9	All Proteins 2mEPSPS ADD CP4 EPSPS Cry1A.105 Cry1Ab

Sort products by: Product Title Date Modified

Agrisure® 3000GT (Corn/Maize) (Bt11 x MIR604 x GA21)	Proteins: Cry1Ab, PAT, mCry3A, PMI and mEPSPS Developed by Syngenta	Modified 31/03/2011
Agrisure® CB/LL (Corn/Maize) (Bt11)	Proteins: Cry1Ab and PAT Developed by Syngenta	Modified 31/03/2011
Agrisure® CB/LL/RW (Corn/Maize) (Bt11 x MIR604)	Proteins: Cry1Ab, PAT, mCry3A and PMI Developed by Syngenta	Modified 31/03/2011
Agrisure® GT (Corn/Maize) (GA21)	Proteins: mEPSPS Developed by Syngenta	Modified 31/03/2011
Agrisure® GT/CB/LL (Corn/Maize) (Bt11 x GA21)	Proteins: Cry1Ab, PAT and mEPSPS Developed by Syngenta	Modified 31/03/2011

http://www.detection-methods.com/wp-content/themes/detectionmethods/private_file.php?key=13218048970927

(Valid for 14 days)

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Corn MON88017 Event Specific EndPoint
TaqMan PCR with PUB-pea ubiquitin
Internal Control for 1:200 Seed Pools

RESTRICTED USE Downloaded and used
subject to and under license from
Monsanto Company Controlled
Document/Distribution The distribution of
this SOP is controlled by the Proficiency
Testing Team Lead. A matrix/database
controls the distribution of the SOP and
revision levels.

Overview Purpose & Scope This SOP
describes the method used by Seed
Quality Technology at Monsanto to confirm
the presence of the corn MON88017
transformation event in genomic DNA
extracted from seed tissue. This method
will also confirm the integrity of the
template DNA by amplification of PUB-pea



Thank you

- For more details,
please contact
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