

APPENDIX 3

LITERATURE SEARCH TO SUPPORT GENERAL SURVEILLANCE OF 2023/2024 ANNUAL POST MARKET ENVIRONMENTAL MONITORING REPORTS OF BAYER GM MAIZE PRODUCTS

Data protection.

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SUMMARY

The literature search was conducted in accordance with the 2019 EFSA explanatory note on literature searching conducted in the context of GMO applications^{1,2} to support general surveillance of 2023/2024 annual post market environmental monitoring reports. It addresses the review question “Do Bayer GM maize products, derived food/feed products and their respective introduced traits have adverse effects on human and animal health and the environment?”.

Eligibility/inclusion criteria to establish the relevance of retrieved publications was determined following the criteria described in the 2019 EFSA explanatory note on literature searching². Literature searching for Bayer GM maize products was conducted in electronic bibliographic databases and internet pages of relevant key organisations.

In line with the requirements in the 2019 EFSA explanatory note on literature searching² the literature search covered the time span 2023 – 2024 to capture any publication published during the annual general surveillance of 2023/2024 post market environmental monitoring season.

Additionally, literature searches were conducted for Bayer GM maize products newly authorised during the 2023 – 2024 monitoring season, i.e. MON 87429, MON 95379 and MON 87419. The searches covered the time span from the adoption of the EFSA opinion till the time of the authorisation (2022 – 2024).

The literature search retrieved 7 publications as relevant. These publications did not have any implication on the risk assessment, because no new hazard, modified exposure, or new scientific uncertainty is reported.

The comprehensive literature search found no new information that would invalidate the conclusions of the risk assessment for Bayer GM maize products.

¹ Hereafter referred to as 2019 EFSA explanatory note on literature searching.

² EFSA, 2019. [Explanatory note on literature searching conducted in the context of GMO applications for \(renewed\) market authorisation and annual post-market environmental monitoring reports on GMOs authorised in the EU market - Note on literature searching to GMO risk assessment guidance. EFSA journal, 2019:EN-1614, 1-62.](#) – Accessed on 15 September 2024

1. INTRODUCTION

As part of the general surveillance requirements for Bayer GM maize products authorised in the European Union (EU) market under regulation (EC) No 1829/2003, Bayer Agriculture BV³ has actively monitored the maize products by conducting quarterly literature searches covering the time span between June 2023 and May 2024.

Additionally, literature searches were conducted for Bayer GM maize products newly authorised during the 2023 – 2024 monitoring season, i.e. MON 87429, MON 95379 and MON 87419. The searches covered the time span from the adoption of the EFSA opinion till the time of the authorisation (2022 – 2024).

The results of the literature search that were analysed in detail according to the relevance for the risk assessment of the Bayer GM maize products are presented here.

The Appendix completeness checklist is provided with this report.

2. FORMULATING THE REVIEW QUESTION AND CLARIFYING ITS PURPOSE

This literature search has been conducted to address the review question “Do Bayer GM maize products, derived food/feed products and respective introduced traits have adverse effects on human and animal health and the environment?”

The purpose for undertaking this literature search is to support general surveillance of 2023/2024 annual post market environmental monitoring (PMEM) reports in accordance with the 2019 EFSA explanatory note on literature searching².

Key elements used for the review question are humans, animals, and/or the environment (= population), Bayer GM maize products, derived food/feed products and respective introduced traits (= intervention/exposure), conventional counterpart or non-GM maize (= comparator), and adverse effect on human and animal health, and the environment (= outcomes). Accordingly, the eligibility criteria for assessing the relevance of publications for inclusion in the literature review are provided in **Table 1**.

³ Hereafter referred to as Bayer.

Table 1. Eligibility/inclusion criteria to establish the relevance of publications

Key elements	Criteria
Population	Humans, animals and the environment (taking into account the scope of the applications) <i>i.e.</i> authorisation for all uses as any other maize but excluding the cultivation of Bayer GM maize products are addressed as general protection goals.
Intervention/exposure	Bayer GM maize products derived food/feed products and corresponding introduced traits addressed in the publication are identical or similar to those under scientific review by the EFSA.
Comparator	In case of a comparative study that uses the GM plant material as test material, eligible publications must report a non-GM maize as a comparator.
Outcomes	Adverse effects on human and animal health and the environment are addressed (taking into consideration the scope of the applications).
Additional key elements	
Stacked events / sub-combinations	The single events addressed in the publication are the single events in stacked Bayer GM maize products. Stacked Bayer GM maize products or any of their sub-combinations are addressed in the study.
Information/ data requirements, including source of publications data	The publication potentially contributes to the knowledge of the risk assessment of Bayer GM maize products for all uses as any other maize but excluding cultivation. Original/primary data are presented in the publication.

The eligibility/inclusion criteria implemented by Bayer for assessing the relevance of publications follow the recommendations described in the 2019 EFSA explanatory note on literature searching². Following a conservative approach, Bayer selected the broad inclusion/eligibility criteria that align with the review question and the scope of the Bayer GM maize products' authorisations. Hence, given the conservative approach taken when selecting the eligibility/inclusion criteria, conducting a pilot study was considered unwarranted.

When necessary, the eligibility criteria and/or process may be modified/reviewed as a result of for example new regulatory guidance or novel topics on literature regarding the risk assessment of GM plants.

3. SEARCHING FOR/ IDENTIFYING RELEVANT PUBLICATIONS

In accordance with the 2010 EFSA Guidance on application of systematic review methodology to food and feed safety assessments to support decision making⁴ and the 2019 EFSA explanatory note on literature searching², identification of bibliographic sources and development of search strategies were developed together with an information specialist who subsequently performed the literature search. The approach used to develop the search strategy follows a lumping method and includes a wide range of free-text terms and, where available, controlled vocabulary that defines search terms.

3.1. Sources of scientific literature

3.1.1. Electronic bibliographic databases

Bayer selects the SciSearch (Science Citation Index)⁵ and the CABA⁶ (CAB Abstracts®)⁷ databases to perform the literature search based on the coverage and relevance of the journals included in these databases. The literature search was conducted using the STN® database catalogue⁸.

The SciSearch, produced by from Clarivate Analytics (UK) Limited, includes over 45 million records in Science and technology published since 1974. It includes literatures captured under Science Citation Index Expanded™, a largest multidisciplinary scientific database and an international index covering all scientific topics. It contains also all the records published from the Current Contents series of publications as well as bibliographic information and cited references from over 5 600 scientific, technical and medical journals. In addition, “Records from January 1991 on include abstracts, author keywords, and KeyWords Plus®. Bibliographic information, authors, cited references, and KeyWords Plus® are searchable”⁵. The database is updated on a weekly basis.

The CABA, produced by CAB international (UK), includes over 8.9 million records in agriculture and life sciences published since 1973. The database “covers worldwide literature from all areas of agriculture and related sciences including biotechnology, forestry, and veterinary medicine. Sources for CABA include journals, books, reports, published theses, conference proceedings, and patents. Bibliographic information, indexing terms, abstracts, and CAS Registry Numbers are searchable. An online thesaurus is available for the Con-trolled Term (/CT), the Geographic term (/GT), and the Organism (/ORGN) fields”⁶. The database is updated on a weekly basis.

All journals included in the two databases must go through a verification process and as a minimum requirement, non-English language journals must include English-language bibliographic information (title, abstract, keywords) and be peer-reviewed^{7,9}. In general, English is considered the universal language of science. For this reason, the journals most important to the international research community will publish either full text or a

⁴ EFSA, 2010. [Application of systematic review methodology to food and feed safety assessments to support decision making](#) *The EFSA Journal*, 1637, 1-90 - Accessed on 26 September 2024

⁵ STN/SciSearch: <https://www.stn-international.com/sites/default/files/stn/dbss/SCISEARCH.pdf> - Accessed 26 September 2024

⁶ STN/CABA: <https://www.stn-international.com/sites/default/files/stn/dbss/CABA.pdf> – Accessed on 26 September 2024

⁷ CAB Abstracts®: <https://www.cabi.org/publishing-products/online-information-resources/cab-abstracts/> - Accessed on 26 September 2024

⁸ STN®: <http://stn-international.de/sites/default/files/STN/brochures/stnfile-kat.pdf>- Accessed on 26 September 2024

⁹ Web of Science group; <https://clarivate.com/webofsciencelibrary/solutions/webofscience-core-collection-editorial-selection-process/> - Accessed on 26 September 2024

minimum of bibliographic information in English, which is especially true in the scientific domain of natural sciences. Full text in English is highly desirable if the journal intends to serve an international community of researchers. Therefore, it is expected that even if there is a relevant article for the food and feed safety of GM plants in a language different than English, the article will include title/abstract/keywords in English, which will guarantee the retrievability of these articles when using keywords and keyword combinations in English.

Based on the above, the selected databases are, to our knowledge, comprehensive, multidisciplinary, conservative sources for literature searching and offer the broadest coverage to retrieve a largest breadth of possible relevant publications. Therefore, additional search sources are not deemed necessary.

3.1.2. Internet (world-wide-web) pages of relevant key organisations

In accordance with the 2019 Explanatory note on literature searching for GMO applications², the search in electronic bibliographic databases has been complemented with internet search in webpages of relevant key organisations involved in the risk assessment of GM plants.

Of the 14 key organisations cited in the 2019 Explanatory note on literature searching for GMO applications², nine¹⁰ are involved in risk assessment of Bayer GM maize products. Three of the remaining five (CIBIOGEM, Environment and Climate Change Canada and OECD) are not involved in GM risk assessment while the other two (OGTR and GEAC), for the time being, only assess GM cotton and oilseed rape. Therefore, the internet search focused on the nine key organisations relevant for Bayer GM maize products.

3.2. Search strategy (electronic databases)

3.2.1. Search terms and search strings

The intervention/exposure key elements were defined and translated into search terms. These search terms were identified following the below listed approaches in line with the 2019 EFSA explanatory note on literature searching²:

- assessing words in reference publications,
- assessing subject indexing terms,
- searching for synonyms and related terms and
- consulting experts and stakeholders.

Following the aforementioned approaches, possible synonyms, related terms, abbreviations including acronyms and truncations, old and new as well as lay and scientific terminologies, brand and generic names, and spelling variants including common typos of the search terms were considered. Where applicable, the search was also adapted to controlled vocabulary

¹⁰ Internet pages of the relevant key organisations for Bayer GM maize products:
US EPA (<https://www.epa.gov/environmental-topics/science-topics>) - Accessed on 26 September 2024;
USDA (<https://www.usda.gov/media>) - Accessed on 26 September 2024;
US FDA (<https://www.fda.gov/>) - Accessed on 26 September 2024;
CFIA (<http://www.inspection.gc.ca/eng/1297964599443/1297965645317>) - Accessed 26 September 2024;
Health Canada (<https://www.canada.ca/en/health-canada.html>) - Accessed on 26 September 2024;
FSANZ (<http://www.foodstandards.gov.au/Pages/default.aspx>) - Accessed on 26 September 2024;
CTNBio (<http://ctnbio.mctic.gov.br/>) - Accessed on 26 September 2024;
CONABIA (<https://www.argentina.gob.ar/>) - Accessed on 26 September 2024;
Japan MAFF (<http://www.maff.go.jp/e/>) - Accessed on 26 September 2024.

(subject indexing). The search terms were designed to give an excellent coverage and retrieve the broadest possible number of articles related to Bayer GM maize products.

The translation of the intervention key elements into search terms are presented in **Annex I**. The search terms, the fields and the Boolean operators used to combine them were defined as shown in **Annex II**. The search strings were built following the STN[®] commands¹¹ to allow the literature search in the STN[®] database catalogue. The free-text search terms, controlled vocabulary and the search strings are updated upon identification of a new search term.

The search sets belonging to each key element as described in **Annex I** and **Annex II** were combined by ‘OR’ to retrieve all the identified publications excluding duplicates. The separate assessment of these search sets, including those yielding only a small number of publications, was considered not necessary as this would duplicate the literature screening process and alter the consistency and comprehensiveness used in the literature search strategies.

3.2.2. Limits applied

An advanced literature search was conducted using the web-based STN[®] database catalogue for both the selected electronic databases (*see* section 3.1.1). STN[®] enables searching in each electronic database by making use of pre-defined fields, set combinations based on Boolean operators or a combination of both¹². In STN[®], the results of the search from each database can be merged and duplicates can be removed by de-duplication.

The STN[®] literature search utilised “Basic Index” (None (or /BI)) field which utilises free-text search terms and enables comprehensive searching in different sections (*e.g.* title, abstract, keywords, supplementary terms, controlled terms) within a record^{5,6,11}. Where applicable, controlled vocabulary (subject indexes) offered by CABA (controlled terms (CT)) were also included in the search strategy. Controlled vocabulary is assigned by subject specialists to CAB records to represent the content of the source documents. It allows users to use only one term to search for a concept rather than using lots of terms¹³. The most relevant, broad and controlled terms in the hierarchy of CAB Thesaurus terms and that were listed as preferred terms by CAB for a search query were selected and added to the search string, as shown in **Annex I** and **Annex II**.

3.2.3. Language

The search terms and their combinations are established in English. Therefore, the search is expected to result in a list of titles, abstracts or keywords written in English, covering also articles written in other languages with at least a title, abstract or keywords in English. Also, as technical terms on proteins names, event codes, trade names and Latin names are common in all languages, the search is expected to retrieve articles in all languages.

¹¹ STN. [Command summary chart for bibliographic and full-text databases](#). – Accessed on 26 September 2024

¹² STNindex user guide: <https://stn.products.fiz-karlsruhe.de/training-center/documentation/stn-index-user-guide> - Accessed on 26 September 2024

¹³ CAB Direct advanced searching of CAB abstracts: <https://www.cabi.org/Uploads/CABI/publishing/training-materials/resources-by-interface/cab-direct-user-guides/advanced-searching-cab-abstracts.pdf> - Accessed on 26 September 2024

3.2.4. Time period

The literature searches covered the time span 1 June 2023 – 31 May 2024¹⁴.

The literature search in the electronic databases was conducted on a quarterly basis considering the entry dates in the STN® database catalogue. **Table 2** shows the search dates and the time span of each search.

Table 2. Description of literature search periods in the electronic databases

Date of the search	Last database update dates	Search period
9 October 2023	SciSearch: 02 October 2023	30 May 2023– 04 October 2023
	CABA: 04 October 2023	
08 February 2024	SciSearch: 05 February 2024	02 October 2023 - 05 February 2024
	CABA: 05 February 2024	
04 June 2024	SciSearch: 03 June 2024	05 February 2024– 03 June 2024
	CABA: 03 June 2024	

3.2.5. Reference publications

In accordance with the 2019 EFSA explanatory note on literature searching², a list of reference publications is provided in **Annex III**. The reference publications were tested and retrieved using the search terms and strategy developed for Bayer GM maize products.

3.3. Search strategy (relevant key organisations)

All records related to GMO applications and approvals published in the webpage of each relevant key organisation were screened based on ‘limits applied’ as described in the Error! Reference source not found. and assessed for their relevance to Bayer GM maize products.

The literature search in the internet pages of the relevant key organisations was conducted on 30 July 2024 and covered the time span 2023 – 2024 and for MON 87429, MON 95379 and MON 87419 the search was conducted on 30 October and covered the time span 2022-2024.

4. SELECTING PUBLICATIONS

Publications retrieved from the literature search were screened for their relevance first and then the selected ones were evaluated for their reliability through detailed assessments. Relevance to the search scope and scientific reliability were rigorously assessed by internal and external technical experts.

4.1. Eligibility screening process

The process of selecting relevant publications was undertaken in two stages:

¹⁴ In addition, following the authorisation of MON 87429, MON 95379 and MON 87419 (Commission Implementing Decision(s) 2023/1211 of 21 June 2023, 2023/1208 of 21 June 2023 and 2023/2134 of 13 October 2023 respectively) literature searches covering the timespan from the adoption of EFSA scientific opinion till the time of the authorisation, *i.e.* 01 January 2022 – 04 October 2023 for MON87429 and MON95379 and 01 January 2022 – 23 October 2023 for MON87419, were performed. In the subsequent literature searches, the newly authorised products have been incorporated in the Bayer GM maize products search as shown in **Annex I** and **Annex II**.

- **Rapid assessment** for the relevance based on information in the title and abstract of the publications, to exclude publications that are obviously irrelevant.
- **Detailed assessment** of full-text document if required. Full-text documents were obtained for those publications not excluded in the rapid assessment and those documents were assessed in detail for their relevance to the review question. Publications not excluded by the detailed assessment were classified as relevant. At this stage, publications must comply with all the eligibility/inclusion criteria and meet all key elements of the review question.

Experts with a solid experience in GM plants risk assessment performed the screening process. Based on the available comprehensive weight of evidence, the experts assessed if the conclusions of the risk assessment are still valid.

4.2. Reviewers

4.2.1. Number of reviewers

All publications that were identified by the search described in **Section 3** have been screened by three different reviewers (one internal and two external experts) with solid experience in the risk assessment of GM plants.

4.2.2. Expertise of reviewers

Besides their academic background, the reviewers have adequate expertise in the risk assessment areas of GM crops (molecular characterisation, food and feed safety, environmental safety) and several years of experience in the analysis and selection of relevant publications in literature searches for GM applications.

4.2.3. Inter-reviewer agreement

Reviewers (internal and external) perform their assessment in an independent sequential manner. They are in communication and meet on a regular basis to ensure consistent interpretation and implementation of eligibility/inclusion criteria and/or screening process. During the rapid assessment stage, retrieved abstracts and titles of publications are screened by each reviewer independently and assessed against each other to conclude on inclusion or exclusion based on eligibility/inclusion criteria. If opinions on relevance differ, the discrepancies are discussed between the reviewers and if a disagreement persists, the publication under discussion is *de facto* included in the next stage for further consideration. In summary, publications which appear to be relevant and those of unclear relevance, are progressed to the next stage.

During the detailed assessment, the selected publications are assessed in detail, independently and sequentially by the two external reviewers based on the full text of the publications. The publications screened by each reviewer are assessed against each other to conclude on inclusion or exclusion based on eligibility/inclusion criteria. If opinions on relevance differ between reviewers, all reviewers (external and internal) discuss the discrepancy as necessary and, if needed, consult additional internal reviewers to resolve the discrepancy.

If uncertainty remains, the publication is *de facto* reported as unclear providing a justification as suggested by the reviewers. In summary, publications, which appear to be relevant and those of unclear relevance, are reported.

This approach ensures a high-quality process as it allows a harmonised continuous publication screening process across different GM applications in accordance with the 2019 EFSA explanatory note on literature searching² and avoids missing publications due to bias towards certain eligibility criteria.

4.3. Classification of publications

Taking account of i) the review question, ii) the scope of the application, *i.e.* authorisation of Bayer GM maize products for all uses as any other maize but excluding cultivation in the EU and iii) the eligibility criteria to establish the relevance of retrieved publications, the list of retrieved hits was assessed to conclude whether a certain publication was considered relevant or not. When a publication was considered relevant, the category the publication belongs to is indicated. The following is a non-exhaustive list of categories publications may belong to:

Food/Feed safety assessment

- Molecular characterisation
- Protein expression
- Crop composition
- Agronomic and phenotypic characteristics
- Toxicology - Animal feeding / *In vitro*
- Allergenicity of the protein or the whole food/feed
- Nutrition
- Protein / DNA/ RNA fate in digestive tract

Environmental safety assessment

- Spillage and consequences thereof

It should be noted that the selection criteria are well defined and reassessed annually.

4.4. Quality appraisal of the relevant publications

The relevant publications, if identified, are appraised in terms of reliability in accordance with the 2019 EFSA explanatory note on literature searching² by at least two individuals with technical expertise on the topic using the following steps categorised in two main areas:

Credibility of the publication

1. ***Does the publication include sufficient information to establish the reliability of the research?*** Publications with insufficient information (e.g., incomplete experimental design, publications for which only an abstract is publicly available) are categorised as “**not assignable**”. Others go to step 2.
2. ***Is the publication scientifically sound/reliable?*** Publications that do not contain scientifically sound/reliable information (e.g., inadequate methodology, test/control materials) are categorised as “**not reliable**”. Others go to step 3.

Appropriateness of the publication for the EFSA risk assessment

3. ***What is the relevance level of the publication for the EFSA risk assessment?*** Publications with low relevance for the EFSA risk assessment (e.g. publications dealing with wild relatives or pests not found in the EU) are categorised as “**low reliable**”.

Publications with moderate relevance for the EFSA risk assessment (e.g., exploratory studies, research with limited focus on risk assessment) are categorised as “**moderately reliable**”. Whereas publications with high relevance for the EFSA risk assessment (e.g. research based on data collected for regulatory studies) are categorised as “**highly reliable**”.

In cases of disagreements, the evaluators discuss together and collectively determine the reliability of the publication.

5. SUMMARISING AND REPORTING THE DATA, AND CONSIDERING THE IMPLICATIONS OF THE FINDINGS

5.1. Search outcomes

5.1.1. Outcomes of literature search (electronic databases)

The literature searches identified a total of 480 hits in SciSearch and CABA databases after STN® automatic de-duplication (*see Annex II*). After an additional manual de-duplication, the total number resulted in 394 hits (*see Annex V*).

Additionally, the literature searches on Bayer GM maize products newly authorised during the 2023-2024 monitoring season, i.e. MON 87429, MON 95379 and MON 87419, identified 342 hits for MON 87429 and MON 95379 and 79 hits for MON 87419 in SciSearch and CABA databases after STN® automatic de-duplication (*see Annex II*). After an additional manual de-duplication, the total number resulted in 273 hits for MON 87429 and MON 95379 and 65 hits for MON 87419 (*see Annex V*).

5.1.2. Outcomes of literature search (relevant key organisations)

The literature search in the internet pages of the nine relevant key organisations retrieved a total of 194 records. The links to the results of the literature search and the summary of the retrieved data are shown in **Annex IV**.

5.2. Results of the publication selection process

5.2.1. Results of the publication selection process (electronic databases)

The results of the publication selection process for the retrieved hits from the electronic databases are provided in **Annex V**. No relevant publications were identified.

5.2.2. Results of the publication selection process (relevant key organisations)

The results of the publication selection process for the retrieved records from the relevant key organisations are provided in **Annex IV**. Seven records were identified as relevant. For the full-text document(s) of the relevant publication(s), see **Annex IV**.

5.3. Considering the implications of the findings

Not applicable as no relevant publication was identified.

6. CONCLUSION

Taking into consideration all the above, Bayer confirms that this literature search, conducted in accordance with the 2019 EFSA explanatory note on literature searching² to support the general surveillance in the context of 2023/2024 annual PMEM for Bayer GM maize products, identified no relevant publications that would invalidate the conclusions of the Bayer GM

maize products previous risk assessments. Therefore, the conclusions of the risk assessment as presented in the initial applications of the Bayer GM maize products remain unchanged.

Annex I. Translation of intervention/exposure key elements into search terms for Bayer GM maize products literature search in STN® database catalogue

1. Free-text search terms for Bayer GM maize products

Key elements	Search terms	Synonyms, related terms, abbreviations/ acronyms/ truncations, lay/ scientific terms, brand/ generic names and spelling variants/ typos (adapted for performing search in STN® database catalogue)
Event names	MON 810 or MON-ØØ81Ø-6 NK603 or MON-ØØ6Ø3-6 MON 88017 or MON-88Ø17-3 MON 89034 or MON-89Ø34-3 MON 87460 or MON 8746Ø-4 MON 87427 or MON-87427-7 MON 87411 or MON-87411-9 MON 87403 or MON-874Ø3-1 TC1507 or 1507 or DAS-Ø15Ø7-1 59122 or DAS-59122-7 T25 or ACS-ZMØØ3-2 MIR162 or SYN-IR162-4 MON 87429 or MON-87429-9 MON 95379 or MON-95379-3 MON 87419 or MON-87419-8	MON 810? OR MON810? OR MON!810? OR MON 00810? OR MON00810? OR MON!00810? OR MON 00810? OR MON00810? OR MON!00810? OR MON EMPTY SETEMPTY SET81EMPTY SET? OR MON!EMPTY SETEMPTY SET81EMPTY SET? OR MONEMPTY SETEEMPTY SET81EMPTY SET? OR NK603 OR NK 603 OR MON 00603? OR MON!00603? OR MON00603? OR MON 00603? OR MON00603? OR MON!00603? OR MON EMPTY SETEMPTY SET6EMPTY SET3? OR MON!EMPTY SETEEMPTY SET6EMPTY SET3? OR MONEMPTY SETEMPTY SET6EMPTY SET3? OR MON 88017? OR MON!88017? OR MON88017? OR MON 88017? OR MON!88017? OR MON88017? OR MON 88EMPTY SET17? OR MON!88EMPTY SET17? OR MON88EMPTY SET17? OR MON 89034? OR MON!89034? OR MON89034? OR MON 89034? OR MON!89034? OR MON89034? OR MON 89EMPTY SET34? OR MON!89EMPTY SET34? OR MON89EMPTY SET34? OR MON 87460? OR MON!87460? OR MON87460? OR MON 87460? OR MON!87460? OR MON87460? OR MON 8746EMPTY SET? OR MON!8746EMPTY SET? OR MON8746EMPTY SET? OR MON 87427? OR MON!87427? OR MON87427? OR ((1507 OR 1507 OR 15EMPTYSET7) AND (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS")) OR TC1507 OR TC1507 OR TC15EMPTYSET7 OR MON 87411? OR MON!87411? OR MON87411? OR MON 87403? OR MON!87403? OR MON87403? OR MON 87403? OR MON!87403? OR MON87403? OR MON 874EMPTY SET3? OR MON!874EMPTY SET3? OR MON874EMPTY SET3?

		<p>OR DAS 01507? OR DAS!01507? OR DAS01507? OR DAS O1507? OR DAS!O1507? OR DASO1507? OR DAS EMPTY SET15EMPTY SET7? OR DAS!EMPTY SET15EMPTY SET7? OR DASEMPTY SET15EMPTY SET7? OR 59122 OR DAS 59122? OR DAS!59122? OR DAS59122? OR T25</p> <p>OR ACS ZM003? OR ACS!ZM003? OR ACSZM003? OR ACS ZMOO3? OR ACS!ZMOO3? OR ACSZMOO3? OR ACS ZMEMPTY SET EMPTY SET3? OR ACS!ZMEMPTY SET EMPTY SET3? OR ACSZMEMPTY SET EMPTY SET3?</p> <p>OR MIR!162? OR MIR 162? OR MIR162? OR SYN!IR162? OR SYN IR162? OR SYNIR162?</p> <p>OR MON 87419? OR MON87419?</p> <p>OR MON 87429? OR MON87429?</p> <p>OR MON 95379? OR MON95379?</p>
Trade name	<p>YieldGard® Corn Borer</p> <p>Roundup Ready® 2</p> <p>YieldGard VT Rootworm/RR2®</p> <p>YieldGard® VT® PRO®</p> <p>DroughtGard® Hybrids</p> <p>Herculex™ I, Herculex™ CB</p> <p>Herculex™ RW</p> <p>Liberty Link™ Maize</p> <p>YieldGard® VT ® Triple®</p> <p>Genuity® VT Triple PRO®</p> <p>Genuity® VT Double PRO™</p> <p>Genuity® PowerCore®</p> <p>SmartStax®</p> <p>Genuity® VT Double Pro® with Roundup® Hybridization System</p>	<p>YIELD GARD? OR YIELDG? OR YIELD!GARD? OR YIELDGARD? OR ROUNDUPREADY? OR ROUND UP READY? OR ROUND!UP!READY? OR ROUND!UP READY? OR ROUNDUP READY? OR RR2? OR RR1? OR VT? PRO? OR VT! PRO OR VT PRO? OR VT!PRO? OR VTPRO? OR DROUGHTGARD? OR DROUGHT GARD? OR HERCULEX?</p> <p>LIBERTY LINK? OR LIBERTYLINK? OR LIBERTY!LINK OR VT? TRIPLE? OR VTTRIPLE? OR VT!TRIPLE? OR VT TRIPLE? OR VT DOUBLE PRO? OR VT DOUBLEPRO? OR VTDOUBLE PRO? OR VTDOUBLEPRO? OR VT!DOUBLE PRO? OR VT DOUBLEPRO? OR VT!DOUBLEPRO? OR VT!2!PRO?</p> <p>SMARTSTAX? OR SMART STAX? OR SMART!STAX? OR RHS OR HYBRIDIZATION SYSTEM OR VT 2 PRO? OR POWER CORE? OR POWERCORE? OR AGRISURE? OR VIPTERA? OR TRECEPTA?</p>

	VTPRO4® Trecepta™ Agrisure™ Viptera	
Newly expressed proteins	CP4 EPSPS CP4 EPSPS L214P PAT Cry1Ab Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1 Cold shock protein B (cspB) ATHB-17 Vip3Aa20 DMO FT_T Cry1B.868 Cry1Da_7	CP4EPSPS? OR CP4 EPSPS? OR 5(W)(ENOLPYRUVYLSHIKIMATE OR ENOL PYRUVYL SHIKIMATE OR ENOLPYRUVYL SHIKIMATE OR ENOL PYRUVYLSHIKIMATE OR ENOL!PYRUVYL! SHIKIMATE!)(W)3 PHOSPHATE SYNTHASE OR OR (PAT AND (GENE OR ENZYME OR PROTEIN)) OR (PHOSPHINOTHRICIN AND (ACETYL TRANSFERASE OR ACETYL!TRANSFERASE OR ACETYLTRANSFERASE)) OR CRY1AB OR CRY1 AB OR CRY 1 AB OR CRY 1AB OR CRYIAB OR CRYI AB OR CRY I AB OR CRY IAB OR CRY1A105 OR CRY1A 105 OR CRY 1A 105 OR CRY 1A105 OR CRYIA105 OR CRYIA 105 OR CRY IA 105 OR CRY IA105 OR CRY1A.105 OR CRY2AB? OR CRY2 AB? OR CRY 2 AB? OR CRY 2AB? OR CRYIIAB? OR CRYII AB? OR CRY II AB? OR CRY IIAB? OR CRY1F OR CRY1 F OR CRY 1 F OR CRY 1F OR CRYIF OR CRYI F OR CRY I F OR CRY IF OR CRY3BB? OR CRY3 BB? OR CRY 3 BB? OR CRY 3BB? OR CRYIIIBB? OR CRYIII BB? OR CRY III BB? OR CRY IIIBB? OR CRY34AB1? OR CRY34AB 1? OR CRY 34AB 1? OR CRY 34AB1? OR GPP34AB1? OR GPP34AB 1? OR GPP 34AB 1? OR GPP 34AB1? OR CRY35AB1? OR CRY35AB 1? OR CRY 35AB 1? OR CRY 35AB1? OR TPP35AB1? OR TPP35AB 1? OR TPP 35AB 1? OR TPP 35AB1? OR CSPB OR CSP B OR COLD SHOCK PROTEIN B OR COLD!SHOCKPROTEIN!B OR COLD!SHOCK PROTEIN!B OR COLD!SHOCK!PROTEIN!B OR ATHB17? OR ATHB!17? OR ATHB 17? OR HB17? OR HB!17? OR HB 17? OR VIP3AA20 OR VIP3!AA20 OR VIP3 AA20 OR DICAMBA ?OXYGENASE OR DICAMBA?DEMETHYLASE OR (DMO? AND (GENE OR ENZYME OR PROTEIN)) OR (FT(W)T? AND (GENE OR ENZYME OR PROTEIN)) OR (RDPA AND (GENE OR ENZYME OR PROTEIN)) OR ?PHENOXY? DIOXYGENASE OR ?IRON DIOXYGENASE OR ?KETOGLUTARATE? DIOXYGENASE)

		OR CRY1B.868 OR CRY1B868 OR CRY1B 868 OR CRY 1B 868 OR CRY 1B868 OR CRYIB.868 OR CRYIB868 OR CRYIB 868 OR CRY IB 868 OR CRY IB868 OR CRY1DA? OR CRY1 DA? OR CRY 1 DA? OR CRY 1DA? OR CRYIDA? OR CRYI DA? OR CRY I DA? OR CRY IDA?
Newly expressed RNA	DvSnf7 RNA	RNA? OR DSRNA? OR SIRNA?)(5A)(DVSNF7 OR WCR SNF7 OR CRW SNF7 OR DV SNF7 OR DVSNF 7 OR DV SNF 7 OR DV.SNF7 OR SNF7
Intended traits: Herbicide tolerance traits	Glyphosate/ roundup tolerance, Glufosinate tolerance Aryloxyphenoxypropionate (AOPP) acetyl coenzyme A carboxylase (ACCase) inhibitors and 2,4-D (2,4-dichlorophenoxyacetate) tolerance Dicamba tolerance	TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP OR GLUFOSINATE OR GLUPHOSINATE OR PHOSPHINOTHRICIN OR ?BUTANOIC ACID OR BASTA OR IGNITE OR LIBERTY OR QUIZALOFOP? OR ?PHENOXY? OR AOPP OR FOPS OR CARBOXYLASE INHIBITOR? OR ACCASE INHIBITOR? OR 2,4-D? OR ASSURE II OR PILOT SUPER OR TARGA OR PILOT ULTRA OR AGRESSOR OR PROVISA OR QUIZ OR SE-CURE EC OR ENLIST OR DICAMBA OR ?METHOXYBENZOIC ACID
Intended traits: Insect protection traits	Bt maize (corn) / <i>Bacillus thuringiensis</i> maize (corn) providing Lepidopteran protection or protection against Noctuidae and Crambidae insect pest families or corn/stem borer or European corn borer (ECB) or Mediterranean corn borer (MCB) or Pink stalk borer or West African pink borer or Asian corn borer (ACB) or Spotted stemborer (SSB) or Southwestern corn borer (SWCB) or Sugarcane borer (SCB) or fall armyworm (FAW) or African maize stalk borer (AMSB) or corn earworm or cotton bollworm (CEW; CBW) or Old World bollworm or African bollworm or American cotton bollworm or cotton bollworm or corn earworm (OBW; CBW; CEW) or western bean cutworm (WBC) or <i>Ostrinia nubilalis</i> or <i>Ostrinia furnacalis</i> or <i>Spodoptera frugiperda</i> or <i>Spodoptera exigua</i> or <i>Sesamia nonagrioides</i> or <i>Chilo partellus</i> or <i>Diatraea</i>	BTMAIZE OR BTCORN OR BT MAIZE OR BT CORN OR BT!MAIZE OR BT!CORN OR THURINGIENSIS!MAIZE OR THURINGIENSISMAIZE OR THURINGIENSIS MAIZE OR THURINGIENSIS!CORN OR THURINGIENSISCORN OR THURINGIENSIS CORN) OR TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(BORER? OR EARWORM? OR BOLLWORM? OR ARMYWORM? OR EAR WORM? OR BOLL WORM? OR ARMY WORM? OR LEPIDOPTERA? OR NOCTUIDAE) OR TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(CRAMBIDAE OR OSTRINIA OR SESAMIA OR CHILO OR DIATRAEA OR SPODOPTERA OR BUSSEOLA OR HELICOVERPA OR FURNACALIS OR NUBILALIS OR NONAGRIOIDES OR PARTELLUS) OR TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(GRANDIOSELLA OR SACCHARALIS OR FRUGIPERDA OR FUSCA OR ZEA OR ARMIGERA OR ECB OR MCB OR ACB OR SSB OR SWCB OR SCB OR FAW OR AMSB OR CEW OR CBW OR OBW OR TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(EXIGUA OR CUTWORM? OR CUT WORM? OR STRIACOSTA OR AGROTIS OR FELTIA OR PSEUDALETIA OR ALBICOSTA OR IPSILON OR JACULIFERA OR UNIPUNCTA OR WBC

	<i>grandiosella</i> or <i>Diatraea saccharalis</i> or <i>Busseola fusca</i> or <i>Helicoverpa zea</i> or <i>Helicoverpa armigera</i> or <i>Striacosta albicosta</i> or <i>Agrotis ipsilon</i> or <i>Feltia jaculifera</i> or <i>Pseudaletia unipuncta</i>	
	Bt maize (corn) / <i>Bacillus thuringiensis</i> maize providing Coleopteran protection, or protection against Chrysomel insect pest families or western corn rootworm (WCR / WCRW) or Northern corn rootworm (NCR) or Southern corn rootworm (SCR) or Mexican corn rootworm (MCR) or <i>Diabrotica virgifera virgifera</i> or <i>Diabrotica barberi</i> (<i>D barberi</i>) or <i>Diabrotica undecimpunctata</i> (<i>D undecimpunctata</i>) or <i>Diabrotica virgifera zaeae</i> (<i>D. virgifera zaeae</i>)	BTMAIZE OR BTCORN OR BT MAIZE OR BT CORN OR BT!MAIZE OR BT!CORN OR THURINGIENSIS!MAIZE OR THURINGIENSISMAIZE OR THURINGIENSIS MAIZE OR THURINGIENSIS!CORN OR THURINGIENSISCORN OR THURINGIENSIS CORN OR TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(ROOTWORM? OR ROOT WORM? OR COLEOPTERA? OR CHRYSOMEL? OR DIABROTICA OR VIRGIFERA OR BARBERI OR UNDECIMPUNCTATA OR CRW OR WCR? OR NCR? OR SCR? OR MCR?
Intended traits: Drought tolerance traits	Drought tolerant or water efficient maize	TOLERAN? OR RESISTAN? OR PROTEC?)(5A)DROUGHT OR (EFFICIEN? OR REDUC? OR LIMIT? OR DECRE? OR LOW?)(5A)WATER
Intended traits: Hybridisation system traits	Glyphosate based hybridization system	HYBRID? OR CROSS? OR POLLEN? OR POLLINAT? OR STERIL?(5A)MALE) AND (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP?
Intended traits: Increased biomass traits	Increased ear biomass	INCRE? OR ENHANCE?)(5A)(EAR SIZE OR EAR BIOMASS OR EAR GROWTH OR EAR WEIGHT OR EAR MASS OR SINK CAPACITY OR SINK POTENTIAL
Crop name	maize, corn, <i>Zea mays</i>	MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"
GMO general terms	Genetically modified organism (GMO, GM); Living modified organism (LMO); biotechnology-derived organism (biotech-derived); Genetic engineering (GE); transgenesis (transgene); genetic transformation; genetic manipulation; genetic improvement.	GMO? OR LMO? OR GM OR GE OR TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?)(5A)(MODIF? OR TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))

2. Controlled vocabulary, if applicable, for Bayer GM Maize products

Key elements	Search terms	Controlled terms offered by CABA (adapted for performing search in STN® database catalogue)
Event name	Not applicable	
Trade name	Not applicable	
Newly expressed proteins	Not applicable	
Intended traits: herbicide tolerance traits	Glyphosate/ roundup tolerance, Glufosinate tolerance Aryloxyphenoxypropionate (AOPP) acetyl coenzyme A carboxylase (ACCase) inhibitors and 2,4-D (2,4-dichlorophenoxyacetate) tolerance Dicamba tolerance	WEED CONTROL+UF,NT/CT OR GLYPHOSATE+UF,NT/CT OR GLUFOSINATE+UF,NT/CT OR DICAMBA+UF,NT/CT OR 2,4-D+UF,NT/CT OR PHENOXYPROPIONIC HERBICIDES+UF,NT/CT
Intended traits : Insect protection	Bt maize (corn) / <i>Bacillus thuringiensis</i> maize (corn) providing Lepidopteran protection or protection against Noctuidae and Crambidae insect pest families or corn/stem borer or European corn borer (ECB) or Mediterranean corn borer (MCB) or Pink stalk borer or West African pink borer or Asian corn borer (ACB) or Spotted stemborer (SSB) or Southwestern corn borer (SWCB) or Sugarcane borer (SCB) or fall armyworm (FAW) or African maize stalk borer (AMSB) or corn earworm or cotton bollworm (CEW; CBW) or Old World bollworm or African bollworm or American cotton bollworm or cotton bollworm or corn earworm (OBW; CBW; CEW) or western bean cutworm (WBC) or <i>Ostrinia nubilalis</i> or	INSECT CONTROL+UF,NT/CT) AND (LEPIDOPTERA+UF,NT2/CT,ORGN OR NOCTUIDAE+UF/CT,ORGN OR CRAMBIDAE+UF/CT,ORGN OR OR OSTRINIA+UF,NT1/CT,ORGN OR SESAMIA+UF,NT1/CT,ORGN OR CHILO+UF,NT1/CT,ORGN OR DIATRAEA+UF,NT1/CT,ORGN OR HELICOVERPA+UF,NT1/CT,ORGN OR SPODOPTERA+UF,NT1/CT,ORGN OR BUSSEOLA+UF,NT1/CT,ORGN OR AGROTIS+UF,NT1/CT,ORGN OR STRIACOSTA+UF,NT1/CT,ORGN OR FELTIA+UF,NT1/CT,ORGN OR PSEUDALETIA+UF,NT1/CT,ORGN

	<p><i>Ostrinia furnacalis</i> or <i>Spodoptera frugiperda</i> or <i>Spodoptera exigua</i> or <i>Sesamia nonagrioides</i> or <i>Chilo partellus</i> or <i>Diatraea grandiosella</i> or <i>Diatraea saccharalis</i> or <i>Busseola fusca</i> or <i>Helicoverpa zea</i> or <i>Helicoverpa armigera</i> or <i>Striacosta albicosta</i> or <i>Agrotis ipsilon</i> or <i>Feltia jaculifera</i> or <i>Pseudaletia unipuncta</i></p>	
	<p>Bt maize (corn) / <i>Bacillus thuringiensis</i> maize providing Coleopteran protection, or protection against Chrysomel insect pest families or western corn rootworm (WCR / WCRW) or Northern corn rootworm (NCR) or Southern corn rootworm (SCR) or Mexican corn rootworm (MCR) or <i>Diabrotica virgifera virgifera</i> or <i>Diabrotica barberi</i> (<i>D barberi</i>) or <i>Diabrotica undecimpunctata</i> (<i>D undecimpunctata</i>) or <i>Diabrotica virgifera zae</i> (<i>D. virgifera zae</i>)</p>	<p>COLEOPTERA+UF,NT2/CT,ORGN OR CHRYSOMELIDAE+UF/CT,ORGN OR DIABROTICA+UF,NT1/CT,ORGN</p>
Intended traits: Hybridisation system traits	Glyphosate based hybridization system	<p>HYBRIDIZATION+UF,NT/CT OR CROSSING+UF,NT/CT OR PLANT BREEDING METHODS+UF,NT/CT OR POLLINATION+UF,NT/CT OR MALE STERILITY+UF,NT/CT) AND GLYPHOSATE+UF,NT/CT</p>
Intended traits: Drought tolerance and increased ear biomass traits	Drought tolerance and increased ear biomass	<p>DROUGHT RESISTANCE+UF,NT/CT OR BIOMASS PRODUCTION+UF,NT/CT</p>
Crop name	maize, corn, <i>Zea mays</i>	<p>ZEA MAYS+UF,NT/CT,ORGN OR MAIZE+UF, NT/CT,ORGN</p>
GMO general terms	<p>Genetically modified organism (GMO, GM); Living modified organism (LMO); biotechnology-derived organism (biotech-derived); Genetic engineering (GE); transgenesis (transgene); genetic transformation; genetic manipulation; genetic improvement</p>	<p>GENETIC ENGINEERING+UF,NT/CT OR GENETIC TRANSFORMATION+UF,NT/CT OR GENETICALLY ENGINEERED FOODS+UF,NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF,NT/CT OR FOOD BIOTECHNOLOGY+UF,NT/CT</p>

Annex II. The search string used for Bayer GM maize products literature search in SciSearch and CABA databases using STN® database catalogue, and outcomes of the search (2023-2024)

Bayer GM maize products literature search – First quarter (May 2023 – October 2023)

This alert will only include literature published from 2023 onwards

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DEL HIS Y
L1      QUE SPE=ON  ABB=ON  PLU=ON  MON 810? OR MON810? OR MON!810? OR
        MON 00810? OR MON00810? OR MON!00810? OR MON 00810? OR
        MON00810? OR MON!00810? OR MON EMPTY SETEMPTY SET81EMPTY SET?
        OR MON!EMPTY SETEMPTY SET81EMPTY SET? OR MONEMPTY SETEMPTY
        SET81EMPTY SET? OR NK603 OR NK 603
L2      QUE SPE=ON  ABB=ON  PLU=ON  MON 00603? OR MON!00603? OR
        MON00603? OR MON 00603? OR MON00603? OR MON!00603? OR MON
        EMPTY SETEMPTY SET6EMPTY SET3? OR MON!EMPTY SETEMPTY SET6EMPTY
        SET3? OR MONEMPTY SETEMPTY SET6EMPTY SET3?
L3      QUE SPE=ON  ABB=ON  PLU=ON  MON 88017? OR MON!88017? OR
        MON88017? OR MON 88017? OR MON!88017? OR MON88017? OR MON
        88EMPTY SET17? OR MON!88EMPTY SET17? OR MON88EMPTY SET17?
L4      QUE SPE=ON  ABB=ON  PLU=ON  MON 89034? OR MON!89034? OR
        MON89034? OR MON 89034? OR MON!89034? OR MON89034? OR MON
        89EMPTY SET34? OR MON!89EMPTY SET34? OR MON89EMPTY SET34?
L5      QUE SPE=ON  ABB=ON  PLU=ON  MON 87460? OR MON!87460? OR
        MON87460? OR MON 87460? OR MON!87460? OR MON87460? OR MON
        8746EMPTY SET? OR MON!8746EMPTY SET? OR MON8746EMPTY SET? OR
        MON 87427? OR MON!87427? OR MON87427?
L6      QUE SPE=ON  ABB=ON  PLU=ON  ((1507 OR 1507 OR 15EMPTYSET7) AND
        (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS")) OR TC1507 OR
        TC1507 OR TC15EMPTYSET7
L7      QUE SPE=ON  ABB=ON  PLU=ON  DAS 01507? OR DAS!01507? OR
        DAS01507? OR DAS 01507? OR DAS!01507? OR DAS01507? OR DAS
        EMPTY SET15EMPTY SET7? OR DAS!EMPTY SET15EMPTY SET7? OR
        DASEMPTY SET15EMPTY SET7?
L8      QUE SPE=ON  ABB=ON  PLU=ON  (59122 AND (MAIZE? OR CORN? OR
        "ZEA MAYS" OR "Z. MAYS")) OR DAS 59122? OR DAS!59122? OR
        DAS59122? OR (T25 AND (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z.
        MAYS"))
L9      QUE SPE=ON  ABB=ON  PLU=ON  ACS ZM003? OR ACS!ZM003? OR
        ACSZM003? OR ACS ZMO03? OR ACS!ZMO03? OR ACSZMO03? OR ACS
        ZMEMPTY SET EMPTY SET3? OR ACS!ZMEMPTY SET EMPTY SET3? OR
        ACSZMEMPTY SET EMPTY SET3? OR MON 87411? OR MON!87411? OR
        MON87411?
L10     QUE SPE=ON  ABB=ON  PLU=ON  MON 87403? OR MON!87403? OR
        MON87403? OR MON 87403? OR MON!87403? OR MON87403? OR MON
        874EMPTY SET3? OR MON!874EMPTY SET3? OR MON874EMPTY SET3?
L11     QUE SPE=ON  ABB=ON  PLU=ON  MIR!162? OR MIR 162? OR MIR162? OR
        SYN!IR162? OR SYN IR162? OR SYNIR162?
L12     QUE SPE=ON  ABB=ON  PLU=ON  YIELD GARD? OR YIELDG? OR YIELD!GAR

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	D? OR YIELDGARD? OR ROUNDUPREADY? OR ROUND UP READY? OR ROUND!UP!READY? OR ROUND!UP READY? OR ROUNDUP READY? OR RR2? OR RRII? OR VT? PRO? OR VT! PRO OR VT PRO? OR VT!PRO? OR VTPRO? OR DROUGHTGARD? OR DROUGHT GARD? OR HERCULEX?
L13	QUE SPE=ON ABB=ON PLU=ON LIBERTY LINK? OR LIBERTYLINK? OR LIBERTY!LINK OR VT? TRIPLE? OR VTTRIPLE? OR VT!TRIPLE? OR VT TRIPLE? OR VT DOUBLE PRO? OR VT DOUBLEPRO? OR VTDOUBLE PRO? OR VTDOUBLEPRO? OR VT!DOUBLE PRO? OR VT DOUBLEPRO? OR VT!DOUBLEPRO ? OR VT!2!PRO?
L14	QUE SPE=ON ABB=ON PLU=ON SMARTSTAX? OR SMART STAX? OR SMART!STAX? OR RHS OR HYBRIDIZATION SYSTEM OR VT 2 PRO? OR POWER CORE? OR POWERCORE? OR AGRISURE? OR VIPTERA? OR TRECEPTA?
L15	QUE SPE=ON ABB=ON PLU=ON MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"
L16	QUE SPE=ON ABB=ON PLU=ON (CP4EPSPS? OR CP4 EPSPS? OR 5(W) (ENOL PYRUVYL SHIKIMATE OR ENOLPYRUVYL SHIKIMATE OR ENOL PYRUVYLSHIKIMATE OR ENOL!PYRUVYL!SHIKIMATE OR ENOLPYRUVYLSHIKIMATE) (W) 3 PHOSPHATE(1W)SYNTHASE)
L17	QUE SPE=ON ABB=ON PLU=ON (PAT AND (GENE OR ENZYME OR PROTEIN)) OR (PHOSPHINOTHRICIN AND (ACETYL TRANSFERASE OR ACETYL!TRANSFERASE OR ACETYLTRANSFERASE))
L18	QUE SPE=ON ABB=ON PLU=ON CRY1AB OR CRY1 AB OR CRY 1 AB OR CRY 1AB OR CRYIAB OR CRYI AB OR CRY I AB OR CRY IAB OR CRY1A105 OR CRY1A 105 OR CRY 1A 105 OR CRY 1A105 OR CRYIA105 OR CRYIA 105 OR CRY IA 105 OR CRY IA105 OR CRY1A.105
L19	QUE SPE=ON ABB=ON PLU=ON CRY2AB? OR CRY2 AB? OR CRY 2 AB? OR CRY 2AB? OR CRYIIAB? OR CRYII AB? OR CRY II AB? OR CRY IIAB? OR CRY1F OR CRY1 F OR CRY 1 F OR CRY 1F OR CRYIF OR CRYI F OR CRY I F OR CRY IF OR VIP3AA20 OR VIP3!AA20 OR VIP3 AA20
L20	QUE SPE=ON ABB=ON PLU=ON CRY3BB? OR CRY3 BB? OR CRY 3 BB? OR CRY 3BB? OR CRYIIIBB? OR CRYIII BB? OR CRY III BB? OR CRY IIIBB? OR CRY34AB1? OR CRY34AB 1? OR CRY 34AB 1? OR CRY 34AB1? OR GPP34AB1? OR GPP34AB 1? OR GPP 34AB 1? OR GPP 34AB1?
L21	QUE SPE=ON ABB=ON PLU=ON CRY35AB1? OR CRY35AB 1? OR CRY 35AB 1? OR CRY 35AB1? OR TPP35AB1? OR TPP35AB 1? OR TPP 35AB 1? OR TPP 35AB1?
L22	QUE SPE=ON ABB=ON PLU=ON (CSPB AND (GENE OR ENZYME OR PROTEIN)) OR (CSP B AND (GENE OR ENZYME OR PROTEIN))
L23	QUE SPE=ON ABB=ON PLU=ON COLD SHOCK PROTEIN B OR COLD!SHOCK! PROTEIN!B OR COLD SHOCKPROTEIN B OR COLD!SHOCKPROTEIN!B OR COLD!SHOCK PROTEIN B OR COLD!SHOCK PROTEIN!B OR (ATHB17? OR ATHB!17? OR ATHB 17? OR HB17? OR HB!17? OR HB 17?)
L24	QUE SPE=ON ABB=ON PLU=ON (RNA? OR DSRNA? OR SIRNA?) (5A) (DVS NF7 OR WCR SNF7 OR CRW SNF7 OR DV SNF7 OR DVS NF 7 OR DV SNF 7 OR DV.SNF7 OR SNF7)
L25	QUE SPE=ON ABB=ON PLU=ON GMO? OR LMO? OR GM OR GE OR TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?) (5A) (MODIF? OR TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))
L26	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP OR GLUFOSINATE OR GLUPHOSINATE OR PHOSPHINOTHRICIN OR ?BUTANOIC ACID OR BASTA OR IGNITE OR LIBERTY)
L27	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (BORER? OR EARWORM? OR BOLLWORM? OR ARMYWORM? OR EAR WORM? OR BOLL WORM? OR ARMY WORM? OR LEPIDOPTERA? OR NOCTUIDAE)
L28	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (CRAMBIDAE OR OSTRINIA OR SESAMIA OR CHILO OR DIATRAEA OR SPODOPTERA OR BUSSEOLA OR HELICOVERPA OR FURNACALIS OR NUBILALIS OR NONAGRIOIDES OR PARTELLUS)

L29 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (GRANDIOSELLA OR SACCHARALIS OR FRUGIPERDA OR FUSCA OR ZEA OR ARMIGERA OR ECB OR MCB OR ACB OR SSB OR SWCB OR SCB OR FAW OR AMSB OR CEW OR CBW OR OBW)

L30 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (EXIGUA OR CUTWORM? OR CUT WORM? OR STRIACOSTA OR AGROTIS OR FELTIA OR PSEUDALETIA OR ALBICOSTA OR IPSILON OR JACULIFERA OR UNIPUNCTA OR WBC)

L31 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (ROOTWORM? OR ROOT WORM? OR COLEOPTERA? OR CHRYSOMEL? OR DIABROTICA OR VIRGIFERA OR BARBERI OR UNDECIMPUNCTATA OR CRW OR WCR? OR NCR? OR SCR? OR MCR?)

L32 QUE SPE=ON ABB=ON PLU=ON (BTMAIZE OR BTCORN OR BT MAIZE OR BT CORN OR BT!MAIZE OR BT!CORN OR THURINGIENSIS!MAIZE OR THURINGIENSISMAIZE OR THURINGIENSIS MAIZE OR THURINGIENSIS!CORN OR THURINGIENSISCORN OR THURINGIENSIS CORN)

L33 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) DROUGHT OR (EFFICIEN? OR REDUC? OR LIMIT? OR DECRE? OR LOW?) (5A) WATER

L34 QUE SPE=ON ABB=ON PLU=ON (HYBRID? OR CROSS? OR POLLEN? OR POLLINAT? OR STERIL? (5A) MALE) AND (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP?)

L35 QUE SPE=ON ABB=ON PLU=ON (INCRE? OR ENHANCE?) (5A) (EAR SIZE OR EAR BIOMASS OR EAR GROWTH OR EAR WEIGHT OR EAR MASS OR SINK CAPACITY OR SINK POTENTIAL)

L36 QUE SPE=ON ABB=ON PLU=ON ZEA MAYS+UF,NT/CT,ORGN OR MAIZE+UF,NT/CT,ORGN

L37 QUE SPE=ON ABB=ON PLU=ON GENETIC ENGINEERING+UF,NT/CT OR GENETIC TRANSFORMATION+UF,NT/CT OR GENETICALLY ENGINEERED FOODS+UF,NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF,NT/CT OR FOOD BIOTECHNOLOGY+UF,NT/CT

L38 QUE SPE=ON ABB=ON PLU=ON (WEED CONTROL+UF,NT/CT OR INSECT CONTROL+UF,NT/CT)

L39 QUE SPE=ON ABB=ON PLU=ON (COLEOPTERA+UF/CT,ORGN OR CHRYSOMELIDAE+UF/CT,ORGN OR DIABROTICA+UF,NT1/CT,ORGN OR LEPIDOPTERA+UF/CT,ORGN OR NOCTUIDAE+UF/CT,ORGN OR CRAMBIDAE+UF/CT,ORGN OR GLYPHOSATE+UF,NT/CT OR GLUFOSINATE+UF,NT/CT)

L40 QUE SPE=ON ABB=ON PLU=ON (OSTRINIA+UF,NT1/CT,ORGN OR SESAMIA+UF,NT1/CT,ORGN OR CHILO+UF,NT1/CT,ORGN OR DIATRAEA+UF,NT1/CT,ORGN OR HELICOVERPA+UF,NT1/CT,ORGN OR SPODOPTERA+UF,NT1/CT,ORGN)

L41 QUE SPE=ON ABB=ON PLU=ON (BUSSEOLA+UF,NT1/CT,ORGN OR AGROTIS+UF,NT1/CT,ORGN OR STRIACOSTA+UF,NT1/CT,ORGN OR FELTIA+UF,NT1/CT,ORGN OR PSEUDALETIA+UF,NT1/CT,ORGN)

L42 QUE SPE=ON ABB=ON PLU=ON (HYBRIDIZATION+UF,NT/CT OR CROSSING+UF,NT/CT OR PLANT BREEDING METHODS+UF,NT/CT OR POLLINATION+UF,NT/CT OR MALE STERILITY+UF,NT/CT) AND GLYPHOSATE+UF,NT/CT

L43 QUE SPE=ON ABB=ON PLU=ON DROUGHT RESISTANCE+UF,NT/CT OR BIOMASS PRODUCTION+UF,NT/CT

FILE 'SCISEARCH' ENTERED AT 12:54:45 ON 09 OCT 2023

L44 3 SEA SPE=ON ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11) AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L45 200 SEA SPE=ON ABB=ON PLU=ON (L12 OR L13 OR L14) AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L46 8619 SEA SPE=ON ABB=ON PLU=ON L15 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L47	6	SEA SPE=ON	ABB=ON	PLU=ON	L45 AND L46
L48	67	SEA SPE=ON	ABB=ON	PLU=ON	(L16 OR L17) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L49	27	SEA SPE=ON	ABB=ON	PLU=ON	(L18 OR L19) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L50	3	SEA SPE=ON	ABB=ON	PLU=ON	(L20 OR L21) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L51	4	SEA SPE=ON	ABB=ON	PLU=ON	(L22 OR L23) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L52	1	SEA SPE=ON	ABB=ON	PLU=ON	L24 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L53	100	SEA SPE=ON	ABB=ON	PLU=ON	L48 OR L49 OR L50 OR L51 OR L52
L54	16425	SEA SPE=ON	ABB=ON	PLU=ON	L25 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L55	35	SEA SPE=ON	ABB=ON	PLU=ON	L53 AND (L54 OR L46)
L56	56	SEA SPE=ON	ABB=ON	PLU=ON	L26 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L57	107	SEA SPE=ON	ABB=ON	PLU=ON	(L27 OR L28 OR L29 OR L30) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L58	782	SEA SPE=ON	ABB=ON	PLU=ON	L31 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L59	21	SEA SPE=ON	ABB=ON	PLU=ON	L32 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L60	10579	SEA SPE=ON	ABB=ON	PLU=ON	L33 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L61	32	SEA SPE=ON	ABB=ON	PLU=ON	L34 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L62	9	SEA SPE=ON	ABB=ON	PLU=ON	L35 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L63	11515	SEA SPE=ON	ABB=ON	PLU=ON	L56 OR L57 OR L58 OR L60 OR L61 OR L62
L64	38	SEA SPE=ON	ABB=ON	PLU=ON	L63 AND L54 AND L46
L65	14	SEA SPE=ON	ABB=ON	PLU=ON	L59 AND L54
L66	42	SEA SPE=ON	ABB=ON	PLU=ON	L65 OR L64
L67	73	SEA SPE=ON	ABB=ON	PLU=ON	L44 OR L47 OR L55 OR L66

FILE 'CABA' ENTERED AT 13:55:26 ON 09 OCT 2023

L68	5	SEA SPE=ON	ABB=ON	PLU=ON	(L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L69	26	SEA SPE=ON	ABB=ON	PLU=ON	(L12 OR L13 OR L14) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L70	4768	SEA SPE=ON	ABB=ON	PLU=ON	L15 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L71	3046	SEA SPE=ON	ABB=ON	PLU=ON	L36 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L72	4770	SEA SPE=ON	ABB=ON	PLU=ON	L70 OR L71
L73	4	SEA SPE=ON	ABB=ON	PLU=ON	L69 AND L72
L74	37	SEA SPE=ON	ABB=ON	PLU=ON	(L16 OR L17) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L75	29	SEA SPE=ON	ABB=ON	PLU=ON	(L18 OR L19) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L76	3	SEA SPE=ON	ABB=ON	PLU=ON	(L20 OR L21) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L77	4	SEA SPE=ON	ABB=ON	PLU=ON	(L22 OR L23) AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L78	1	SEA SPE=ON	ABB=ON	PLU=ON	L24 AND ED>=20230530 AND ED<=20231004 AND PY>=2023
L79	70	SEA SPE=ON	ABB=ON	PLU=ON	L74 OR L75 OR L76 OR L77 OR L78

L80 4385 SEA SPE=ON ABB=ON PLU=ON L25 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L81 2440 SEA SPE=ON ABB=ON PLU=ON L37 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L82 4666 SEA SPE=ON ABB=ON PLU=ON L80 OR L81

L83 42 SEA SPE=ON ABB=ON PLU=ON L79 AND (L72 OR L82)

L84 56 SEA SPE=ON ABB=ON PLU=ON L26 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L85 111 SEA SPE=ON ABB=ON PLU=ON (L27 OR L28 OR L29 OR L30) AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L86 473 SEA SPE=ON ABB=ON PLU=ON L31 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L87 11 SEA SPE=ON ABB=ON PLU=ON L32 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L88 5318 SEA SPE=ON ABB=ON PLU=ON L33 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L89 24 SEA SPE=ON ABB=ON PLU=ON L34 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L90 9 SEA SPE=ON ABB=ON PLU=ON L35 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L91 1050 SEA SPE=ON ABB=ON PLU=ON L38 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L92 1018 SEA SPE=ON ABB=ON PLU=ON (L39 OR L40 OR L41) AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L93 142 SEA SPE=ON ABB=ON PLU=ON L91 AND L92

L94 5 SEA SPE=ON ABB=ON PLU=ON L42 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L95 1731 SEA SPE=ON ABB=ON PLU=ON L43 AND ED>=20230530 AND ED<=20231004 AND PY>=2023

L96 6248 SEA SPE=ON ABB=ON PLU=ON L84 OR L85 OR L86 OR L88 OR L89 OR L90 OR L93 OR L94 OR L95

L97 46 SEA SPE=ON ABB=ON PLU=ON L96 AND L82 AND L72

L98 8 SEA SPE=ON ABB=ON PLU=ON L87 AND L82

L99 49 SEA SPE=ON ABB=ON PLU=ON L97 OR L98

L100 89 SEA SPE=ON ABB=ON PLU=ON L68 OR L73 OR L83 OR L99

FILE 'STNGUIDE' ENTERED AT 13:56:58 ON 09 OCT 2023

FILE 'CABA, SCISEARCH' ENTERED AT 13:56:59 ON 09 OCT 2023

L101 144 DUP REM L100 L67 (18 DUPLICATES REMOVED)

ANSWERS '1-89' FROM FILE CABA

ANSWERS '90-144' FROM FILE SCISEARCH

D L101 1-144 ALL PY

FILE 'CABA' ENTERED AT 13:57:31 ON 09 OCT 2023

REDISTRIBUTE 25 89

FILE 'SCISEARCH' ENTERED AT 13:57:33 ON 09 OCT 2023

REDISTRIBUTE 25 55

FILE 'CABA' ENTERED AT 13:57:34 ON 09 OCT 2023

ARCHIVE 25 89

FILE 'SCISEARCH' ENTERED AT 13:57:36 ON 09 OCT 2023

ARCHIVE 25 55

FILE 'STNGUIDE' ENTERED AT 13:57:37 ON 09 OCT 2023

FILE SCISEARCH

FILE COVERS 1974 TO 2 Oct 2023 (20231002/ED)

To bring you the most up-to-date SciSearch information,
SciSearch SDIs now run on Mondays.

FILE CABA

FILE LAST UPDATED: 4 OCT 2023 <20231004/UP>

FILE COVERS 1973 TO DATE

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 28, 2023 (20230928/UP).

**Bayer GM maize products MON 87429 and MON 95379 literature search - Post
authorisation (Jan 2022 - October 2023)**

This alert run covers the time range from 20220101 until 20231004

This alert will only include literature published from 2022 onwards

d his full

(FILE 'STNGUIDE' ENTERED AT 14:15:34 ON 16 OCT 2023)

DEL HIS Y
L1 QUE SPE=ON ABB=ON PLU=ON (MON 87429? OR MON!87429? OR
MON87429?)
L2 QUE SPE=ON ABB=ON PLU=ON MAIZE? OR CORN? OR "ZEA MAYS" OR
"Z. MAYS"
L3 QUE SPE=ON ABB=ON PLU=ON DICAMBA ?OXYGENASE OR DICAMBA
?DEMETHYLASE OR (DMO? AND (GENE OR ENZYME OR PROTEIN)) OR (PAT
AND (GENE OR ENZYME OR PROTEIN))
L4 QUE SPE=ON ABB=ON PLU=ON (PHOSPHINOTHRICIN AND (ACETYL
TRANSFERASE OR ACETYLTRANSFERASE)) OR (FT(W)T? AND (GENE OR
ENZYME OR PROTEIN))
L5 QUE SPE=ON ABB=ON PLU=ON (RDPA AND (GENE OR ENZYME OR
PROTEIN)) OR ?PHENOXY? DIOXYGENASE OR ?IRON DIOXYGENASE OR
?KETOGLUTARATE? DIOXYGENASE
L6 QUE SPE=ON ABB=ON PLU=ON (CP4EPSPS? OR CP4 EPSPS? OR
5(W) (ENOL PYRUVYL SHIKIMATE OR ENOLPYRUVYL SHIKIMATE OR ENOL
PYRUVYL SHIKIMATE OR ENOL!PYRUVYL!SHIKIMATE OR ENOLPYRUVYL SHIKIM
ATE) (W)3 PHOSPHATE(1W)SYNTHASE)
L7 QUE SPE=ON ABB=ON PLU=ON GMO? OR LMO? OR GM OR GE OR
TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?) (5A) (MODIF? OR
TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))
L8 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (DICAMBA OR ?METHOXYBENZOIC ACID OR GLUFOSINATE OR GLUPHOSINATE OR PHOSPHINOTHRICIN OR ?BUTANOIC ACID OR BASTA OR IGNITE OR LIBERTY OR RELY OR CHALLENGE OR FINALE OR QUIZALOFOP? OR ?PHENOXY?)
L9 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (AOPP OR FOPS OR CARBOXYLASE INHIBITOR? OR ACCASE INHIBITOR? OR 2,4-D? OR ASSURE II OR PILOT SUPER OR TARGA OR PILOT ULTRA

OR AGRESSOR OR PROVISA OR QUIZ OR SE-CURE EC OR ENLIST)
 L10 QUE SPE=ON ABB=ON PLU=ON (HYBRID? OR CROSS? OR POLLEN? OR
 POLLINAT? OR (STERIL?(5A)MALE))AND (GL!PHOSATE OR GL!FOSATE OR
 ROUND UP? OR ROUND!UP? OR ROUNDUP?)
 L11 QUE SPE=ON ABB=ON PLU=ON (ZEA MAYS+UF,NT/CT,ORGN OR
 MAIZE+UF,NT/CT,ORGN)
 L12 QUE SPE=ON ABB=ON PLU=ON GENETIC ENGINEERING+UF,NT/CT OR
 GENETIC TRANSFORMATION+UF,NT/CT OR GENETICALLY ENGINEERED
 FOODS+UF,NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF,NT/CT OR
 FOOD BIOTECHNOLOGY+UF,NT/CT
 L13 QUE SPE=ON ABB=ON PLU=ON WEED CONTROL+UF,NT/CT AND (DICAMBA+
 UF,NT/CT OR GLUFOSINATE+UF,NT/CT OR 2,4-D+UF,NT/CT OR PHENOXYPR
 OPIONIC HERBICIDES+UF,NT/CT)
 L14 QUE SPE=ON ABB=ON PLU=ON (HYBRIDIZATION+UF,NT/CT OR
 CROSSING+UF,NT/CT OR PLANT BREEDING METHODS+UF,NT/CT OR
 POLLINATION+UF,NT/CT OR MALE STERILITY+UF,NT/CT) AND GLYPHOSATE
 +UF,NT/CT

FILE 'SCISEARCH' ENTERED AT 14:15:54 ON 16 OCT 2023

L15 1 SEA SPE=ON ABB=ON PLU=ON L1 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L16 43822 SEA SPE=ON ABB=ON PLU=ON L2 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L17 470 SEA SPE=ON ABB=ON PLU=ON (L3 OR L4 OR L5) AND ED>=20220101
 AND ED<=20231004 AND PY>=2022
 L18 87 SEA SPE=ON ABB=ON PLU=ON L6 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L19 553 SEA SPE=ON ABB=ON PLU=ON L17 OR L18
 L20 54884 SEA SPE=ON ABB=ON PLU=ON L7 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L21 87 SEA SPE=ON ABB=ON PLU=ON L19 AND (L20 OR L16)
 L22 3831 SEA SPE=ON ABB=ON PLU=ON (L8 OR L9) AND ED>=20220101 AND
 ED<=20231004 AND PY>=2022
 L23 171 SEA SPE=ON ABB=ON PLU=ON L10 AND ED>=20220101 AND ED<=202310
 04 AND PY>=2022
 L24 3991 SEA SPE=ON ABB=ON PLU=ON L22 OR L23
 L25 22 SEA SPE=ON ABB=ON PLU=ON L24 AND L20 AND L16
 L26 104 SEA SPE=ON ABB=ON PLU=ON L15 OR L21 OR L25

FILE 'CABA' ENTERED AT 14:16:56 ON 16 OCT 2023

L27 1 SEA SPE=ON ABB=ON PLU=ON L1 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L28 22700 SEA SPE=ON ABB=ON PLU=ON L2 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L29 14402 SEA SPE=ON ABB=ON PLU=ON L11 AND ED>=20220101 AND ED<=202310
 04 AND PY>=2022
 L30 22710 SEA SPE=ON ABB=ON PLU=ON L28 OR L29
 L31 167 SEA SPE=ON ABB=ON PLU=ON (L3 OR L4 OR L5) AND ED>=20220101
 AND ED<=20231004 AND PY>=2022
 L32 63 SEA SPE=ON ABB=ON PLU=ON L6 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L33 226 SEA SPE=ON ABB=ON PLU=ON L31 OR L32
 L34 18488 SEA SPE=ON ABB=ON PLU=ON L7 AND ED>=20220101 AND ED<=2023100
 4 AND PY>=2022
 L35 10024 SEA SPE=ON ABB=ON PLU=ON L12 AND ED>=20220101 AND ED<=202310
 04 AND PY>=2022
 L36 19718 SEA SPE=ON ABB=ON PLU=ON L34 OR L35
 L37 88 SEA SPE=ON ABB=ON PLU=ON L33 AND (L36 OR L30)
 L38 1521 SEA SPE=ON ABB=ON PLU=ON (L8 OR L9) AND ED>=20220101 AND

ED<=20231004 AND PY>=2022

L39 107 SEA SPE=ON ABB=ON PLU=ON L10 AND ED>=20220101 AND ED<=20231004 AND PY>=2022

L40 351 SEA SPE=ON ABB=ON PLU=ON L13 AND ED>=20220101 AND ED<=20231004 AND PY>=2022

L41 12 SEA SPE=ON ABB=ON PLU=ON L14 AND ED>=20220101 AND ED<=20231004 AND PY>=2022

L42 1931 SEA SPE=ON ABB=ON PLU=ON L38 OR L39 OR L40 OR L41

L43 23 SEA SPE=ON ABB=ON PLU=ON L42 AND L36 AND L30

L44 104 SEA SPE=ON ABB=ON PLU=ON L27 OR L37 OR L43

FILE 'STNGUIDE' ENTERED AT 14:18:31 ON 16 OCT 2023

FILE 'CABA, SCISEARCH' ENTERED AT 14:18:32 ON 16 OCT 2023

L45 175 DUP REM L44 L26 (33 DUPLICATES REMOVED)

ANSWERS '1-104' FROM FILE CABA

ANSWERS '105-175' FROM FILE SCISEARCH

FILE 'STNGUIDE' ENTERED AT 14:18:40 ON 16 OCT 2023

D COST

SET NOTICE DISPLAY 100

SET NOTICE SEARCH 1000

SET NOTICE DISPLAY OFF

SET NOTICE SEARCH OFF

FILE 'STNGUIDE' ENTERED AT 14:19:10 ON 16 OCT 2023

SET POSTINGS OFF

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DEL EXPAND Y

L46 QUE SPE=ON ABB=ON PLU=ON MON!95379? OR MON 95379?

L47 QUE SPE=ON ABB=ON PLU=ON MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"

L48 QUE SPE=ON ABB=ON PLU=ON CRY1B.868 OR CRY1B868 OR CRY1B 868 OR CRY 1B 868 OR CRY 1B868 OR CRYIB.868 OR CRYIB868 OR CRYIB 868 OR CRY IB 868 OR CRY IB868

L49 QUE SPE=ON ABB=ON PLU=ON CRY1DA? OR CRY1 DA? OR CRY 1 DA? OR CRY 1DA? OR CRYIDA? OR CRYI DA? OR CRY I DA? OR CRY IDA?

L50 QUE SPE=ON ABB=ON PLU=ON GMO? OR LMO? OR GM OR GE OR TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?)(5A)(MODIF? OR TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))

L51 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(LEPIDOPTERA OR NOCTUIDAE OR CRAMBIDAE OR BORER? OR SWCB OR SCB OR ARMYWORM OR ARMY WORM OR FAW OR EARWORM OR EAR WORM OR BOLLWORM OR BOLL WORM)

L52 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?)(5A)(CEW OR CBW OR DIATRAEA OR GRANDIOSELLA OR SACCHARALIS OR SPODOPTERA OR FRUGIPERDA OR HELICOVERPA OR H. ZEA)

L53 QUE SPE=ON ABB=ON PLU=ON (BT MAIZE OR BTMAIZE OR BT CORN OR BTCORN OR THURINGIENSIS MAIZE OR THURINGIENSISMAIZE OR THURINGIENSIS CORN OR THURINGIENSISCORN)

L54 QUE SPE=ON ABB=ON PLU=ON ZEA MAYS+UF,NT/CT,ORGN OR MAIZE+UF,

NT/CT, ORGN

L55 QUE SPE=ON ABB=ON PLU=ON GENETIC ENGINEERING+UF, NT/CT OR
GENETIC TRANSFORMATION+UF, NT/CT OR GENETICALLY ENGINEERED
FOODS+UF, NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF, NT/CT OR
FOOD BIOTECHNOLOGY+UF, NT/CT

L56 QUE SPE=ON ABB=ON PLU=ON ((INSECT CONTROL+UF, NT/CT) AND
(LEPIDOPTERA+UF/CT, ORGN OR NOCTUIDAE+UF/CT, ORGN OR CRAMBIDAE+UF
/CT, ORGN OR DIATRAEA+UF, NT1/CT, ORGN OR HELICOVERPA+UF, NT1/CT, OR
GN OR SPODOPTERA+UF, NT1/CT, ORGN))

FILE 'SCISEARCH' ENTERED AT 14:19:31 ON 16 OCT 2023

L57 2 SEA SPE=ON ABB=ON PLU=ON L46 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L58 43822 SEA SPE=ON ABB=ON PLU=ON L47 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L59 3 SEA SPE=ON ABB=ON PLU=ON (L48 OR L49) AND ED>=20220101 AND
ED<=20231004 AND PY>=2022

L60 54884 SEA SPE=ON ABB=ON PLU=ON L50 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L61 2 SEA SPE=ON ABB=ON PLU=ON L59 AND (L60 OR L58)

L62 338 SEA SPE=ON ABB=ON PLU=ON (L51 OR L52) AND ED>=20220101 AND
ED<=20231004 AND PY>=2022

L63 121 SEA SPE=ON ABB=ON PLU=ON L53 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L64 49 SEA SPE=ON ABB=ON PLU=ON L62 AND L60 AND L58

L65 90 SEA SPE=ON ABB=ON PLU=ON L63 AND L60

L66 105 SEA SPE=ON ABB=ON PLU=ON L64 OR L65

L67 106 SEA SPE=ON ABB=ON PLU=ON L57 OR L61 OR L66

FILE 'CABA' ENTERED AT 14:19:39 ON 16 OCT 2023

L68 2 SEA SPE=ON ABB=ON PLU=ON L46 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L69 22700 SEA SPE=ON ABB=ON PLU=ON L47 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L70 14402 SEA SPE=ON ABB=ON PLU=ON L54 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L71 22710 SEA SPE=ON ABB=ON PLU=ON L69 OR L70

L72 3 SEA SPE=ON ABB=ON PLU=ON (L48 OR L49) AND ED>=20220101 AND
ED<=20231004 AND PY>=2022

L73 18488 SEA SPE=ON ABB=ON PLU=ON L50 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L74 10024 SEA SPE=ON ABB=ON PLU=ON L55 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L75 19718 SEA SPE=ON ABB=ON PLU=ON L73 OR L74

L76 2 SEA SPE=ON ABB=ON PLU=ON L72 AND (L75 OR L71)

L77 371 SEA SPE=ON ABB=ON PLU=ON (L51 OR L52) AND ED>=20220101 AND
ED<=20231004 AND PY>=2022

L78 78 SEA SPE=ON ABB=ON PLU=ON L53 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L79 329 SEA SPE=ON ABB=ON PLU=ON L56 AND ED>=20220101 AND ED<=202310
04 AND PY>=2022

L80 679 SEA SPE=ON ABB=ON PLU=ON L77 OR L79

L81 59 SEA SPE=ON ABB=ON PLU=ON L80 AND L75 AND L71

L82 66 SEA SPE=ON ABB=ON PLU=ON L78 AND L75

L83 99 SEA SPE=ON ABB=ON PLU=ON L81 OR L82

L84 100 SEA SPE=ON ABB=ON PLU=ON L68 OR L76 OR L83

FILE 'STNGUIDE' ENTERED AT 14:20:01 ON 16 OCT 2023

FILE 'CABA, SCISEARCH' ENTERED AT 14:20:02 ON 16 OCT 2023
L85 178 DUP REM L84 L67 (28 DUPLICATES REMOVED)
ANSWERS '1-99' FROM FILE CABA
ANSWERS '100-178' FROM FILE SCISEARCH

FILE 'STNGUIDE' ENTERED AT 15:20:09 ON 16 OCT 2023

FILE SCISEARCH

FILE COVERS 1974 TO 10 Oct 2023 (20231010/ED)

To bring you the most up-to-date SciSearch information,
SciSearch SDIs now run on Mondays.

FILE CABA
FILE LAST UPDATED: 13 OCT 2023 <20231013/UP>
FILE COVERS 1973 TO DATE

=> s 145 or 185

L86 342 L45 OR L85

Bayer GM maize products MON 87419 literature search - Post authorisation (Jan 2022 - October 2023)

This alert run covers the time range from 20220101 until 20231023

This alert will only include literature published from 2022 onwards

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(FILE 'STNGUIDE' ENTERED AT 09:34:22 ON 24 OCT 2023)
DEL HIS Y
L1 QUE SPE=ON ABB=ON PLU=ON (MON 87419? OR MON87419?)
L2 QUE SPE=ON ABB=ON PLU=ON MAIZE? OR CORN? OR "ZEA MAYS" OR
"Z. MAYS"
L3 QUE SPE=ON ABB=ON PLU=ON DICAMBA ?OXYGENASE OR DICAMBA
?DEMETHYLASE OR (DMO? AND (GENE OR ENZYME OR PROTEIN)) OR (PAT
AND (GENE OR ENZYME OR PROTEIN))
L4 QUE SPE=ON ABB=ON PLU=ON PHOSPHINOTHRICIN AND (ACETYL
TRANSFERASE OR ACETYLTTRANSFERASE)
L5 QUE SPE=ON ABB=ON PLU=ON GMO? OR LMO? OR GM OR GE OR
TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?) (5A) (MODIF? OR
TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))
L6 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (DICAMBA OR ?METHOXYBENZOIC ACID OR GLUFOSINATE OR GLUPHOSINATE OR PHOSPHINOTHRICIN OR ?BUTANOIC ACID OR BASTA OR IGNITE OR LIBERTY)
L7 QUE SPE=ON ABB=ON PLU=ON (ZEA MAYS+UF,NT/CT,ORGN OR MAIZE+UF,NT/CT,ORGN)
L8 QUE SPE=ON ABB=ON PLU=ON GENETIC ENGINEERING+UF,NT/CT OR GENETIC TRANSFORMATION+UF,NT/CT OR GENETICALLY ENGINEERED FOODS+UF,NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF,NT/CT OR

L9 FOOD BIOTECHNOLOGY+UF,NT/CT
 QUE SPE=ON ABB=ON PLU=ON WEED CONTROL+UF,NT/CT AND (DICAMBA+
 UF,NT/CT OR GLUFOSINATE+UF,NT/CT)

FILE 'SCISEARCH' ENTERED AT 09:34:42 ON 24 OCT 2023

L10 1 SEA SPE=ON ABB=ON PLU=ON L1 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L11 45350 SEA SPE=ON ABB=ON PLU=ON L2 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L12 394 SEA SPE=ON ABB=ON PLU=ON (L3 OR L4) AND ED>=20220101 AND
 ED<=20231023 AND PY>=2022
 L13 57416 SEA SPE=ON ABB=ON PLU=ON L5 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L14 43 SEA SPE=ON ABB=ON PLU=ON L12 AND (L13 OR L11)
 L15 100 SEA SPE=ON ABB=ON PLU=ON L6 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L16 8 SEA SPE=ON ABB=ON PLU=ON L15 AND L13 AND L11
 L17 48 SEA SPE=ON ABB=ON PLU=ON L10 OR L14 OR L16

FILE 'CABA' ENTERED AT 09:34:48 ON 24 OCT 2023

L18 1 SEA SPE=ON ABB=ON PLU=ON L1 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L19 23276 SEA SPE=ON ABB=ON PLU=ON L2 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L20 14765 SEA SPE=ON ABB=ON PLU=ON L7 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L21 23286 SEA SPE=ON ABB=ON PLU=ON L19 OR L20
 L22 109 SEA SPE=ON ABB=ON PLU=ON (L3 OR L4) AND ED>=20220101 AND
 ED<=20231023 AND PY>=2022
 L23 19029 SEA SPE=ON ABB=ON PLU=ON L5 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L24 10335 SEA SPE=ON ABB=ON PLU=ON L8 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L25 20298 SEA SPE=ON ABB=ON PLU=ON L23 OR L24
 L26 38 SEA SPE=ON ABB=ON PLU=ON L22 AND (L25 OR L21)
 L27 100 SEA SPE=ON ABB=ON PLU=ON L6 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L28 110 SEA SPE=ON ABB=ON PLU=ON L9 AND ED>=20220101 AND ED<=2023102
 3 AND PY>=2022
 L29 189 SEA SPE=ON ABB=ON PLU=ON L27 OR L28
 L30 13 SEA SPE=ON ABB=ON PLU=ON L29 AND L25 AND L21
 L31 47 SEA SPE=ON ABB=ON PLU=ON L18 OR L26 OR L30

FILE 'STNGUIDE' ENTERED AT 09:35:09 ON 24 OCT 2023

FILE 'CABA, SCISEARCH' ENTERED AT 09:35:10 ON 24 OCT 2023

L32 79 DUP REM L31 L17 (16 DUPLICATES REMOVED)
 ANSWERS '1-47' FROM FILE CABA
 ANSWERS '48-79' FROM FILE SCISEARCH
 D L32 1-79 ALL PY

FILE 'CABA' ENTERED AT 09:35:28 ON 24 OCT 2023
 REDISTRIBUTE 25 47

FILE 'SCISEARCH' ENTERED AT 09:35:37 ON 24 OCT 2023
 REDISTRIBUTE 25 32

FILE 'CABA' ENTERED AT 09:35:37 ON 24 OCT 2023
 ARCHIVE 25 47

FILE 'SCISEARCH' ENTERED AT 09:35:39 ON 24 OCT 2023
ARCHIVE 25 32

FILE 'STNGUIDE' ENTERED AT 09:35:40 ON 24 OCT 2023

FILE SCISEARCH

FILE COVERS 1974 TO 23 Oct 2023 (20231023/ED)

To bring you the most up-to-date SciSearch information,
SciSearch SDIs now run on Mondays.

FILE CABA

FILE LAST UPDATED: 17 OCT 2023 <20231017/UP>

FILE COVERS 1973 TO DATE

**Bayer GM maize products literature search, including MON 87429, MON 95379 and
MON 87419 - Second quarter (October 2023 - February 2024)**

This alert will only include literature published from 2023 onwards

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(FILE 'STNGUIDE' ENTERED AT 14:11:38 ON 08 FEB 2024)

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      DEL HIS Y
      D SEL
L1      QUE SPE=ON  ABB=ON  PLU=ON  MON 810? OR MON810? OR MON!810? OR
      MON 00810? OR MON00810? OR MON!00810? OR MON 00810? OR
      MON00810? OR MON!00810? OR MON EMPTY SETEMPTY SET81EMPTY SET?
      OR MON!EMPTY SETEMPTY SET81EMPTY SET? OR MONEMPTY SETEMPTY
      SET81EMPTY SET? OR NK603 OR NK 603
L2      QUE SPE=ON  ABB=ON  PLU=ON  MON 00603? OR MON!00603? OR
      MON00603? OR MON 00603? OR MON00603? OR MON!00603? OR MON
      EMPTY SETEMPTY SET6EMPTY SET3? OR MON!EMPTY SETEMPTY SET6EMPTY
      SET3? OR MONEMPTY SETEMPTY SET6EMPTY SET3?
L3      QUE SPE=ON  ABB=ON  PLU=ON  MON 88017? OR MON!88017? OR
      MON88017? OR MON 88017? OR MON!88017? OR MON88017? OR MON
      88EMPTY SET17? OR MON!88EMPTY SET17? OR MON88EMPTY SET17?
L4      QUE SPE=ON  ABB=ON  PLU=ON  MON 89034? OR MON!89034? OR
      MON89034? OR MON 89034? OR MON!89034? OR MON89034? OR MON
      89EMPTY SET34? OR MON!89EMPTY SET34? OR MON89EMPTY SET34?
L5      QUE SPE=ON  ABB=ON  PLU=ON  MON 87460? OR MON!87460? OR
      MON87460? OR MON 87460? OR MON!87460? OR MON87460? OR MON
      8746EMPTY SET? OR MON!8746EMPTY SET? OR MON8746EMPTY SET? OR
      MON 87427? OR MON!87427? OR MON87427?
L6      QUE SPE=ON  ABB=ON  PLU=ON  ((1507 OR 1507 OR 15EMPTYSET7) AND
      (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS")) OR TC1507 OR
      TC1507 OR TC15EMPTYSET7
L7      QUE SPE=ON  ABB=ON  PLU=ON  DAS 01507? OR DAS!01507? OR
      DAS01507? OR DAS 01507? OR DAS!01507? OR DAS01507? OR DAS
      EMPTY SET15EMPTY SET7? OR DAS!EMPTY SET15EMPTY SET7? OR
      DASEMPTY SET15EMPTY SET7?
L8      QUE SPE=ON  ABB=ON  PLU=ON  (59122 AND (MAIZE? OR CORN? OR
      "ZEA MAYS" OR "Z. MAYS")) OR DAS 59122? OR DAS!59122? OR
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	DAS59122? OR (T25 AND (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"))
L9	QUE SPE=ON ABB=ON PLU=ON ACS ZM003? OR ACS!ZM003? OR ACSZM003? OR ACS ZMOO3? OR ACS!ZMOO3? OR ACSZMOO3? OR ACS ZMEMPTY SET EMPTY SET3? OR ACS!ZMEMPTY SET EMPTY SET3? OR ACSZMEMPTY SET EMPTY SET3? OR MON 87411? OR MON!87411? OR MON87411?
L10	QUE SPE=ON ABB=ON PLU=ON MON 87403? OR MON!87403? OR MON87403? OR MON 87403? OR MON!87403? OR MON87403? OR MON 874EMPTY SET3? OR MON!874EMPTY SET3? OR MON874EMPTY SET3?
L11	QUE SPE=ON ABB=ON PLU=ON MIR!162? OR MIR 162? OR MIR162? OR SYN!IR162? OR SYN IR162? OR SYNIR162? OR MON 87419? OR MON87419? OR MON 87429? OR MON87429? OR MON 95379? OR MON95379?
L12	QUE SPE=ON ABB=ON PLU=ON YIELD GARD? OR YIELDG? OR YIELD!GARD? OR YIELDGARD? OR ROUNDUPREADY? OR ROUND UP READY? OR ROUND!UP!READY? OR ROUND!UP READY? OR ROUNDUP READY? OR RR2? OR RRII? OR VT? PRO? OR VT! PRO OR VT PRO? OR VT!PRO? OR VTPRO? OR DROUGHTGARD? OR DROUGHT GARD? OR HERCULEX?
L13	QUE SPE=ON ABB=ON PLU=ON LIBERTY LINK? OR LIBERTYLINK? OR LIBERTY!LINK OR VT? TRIPLE? OR VTTRIPLE? OR VT!TRIPLE? OR VT TRIPLE? OR VT DOUBLE PRO? OR VT DOUBLEPRO? OR VTDDOUBLE PRO? OR VTDDOUBLEPRO? OR VT!DOUBLE PRO? OR VT DOUBLEPRO? OR VT!DOUBLEPRO? OR VT!2!PRO?
L14	QUE SPE=ON ABB=ON PLU=ON SMARTSTAX? OR SMART STAX? OR SMART!STAX? OR RHS OR HYBRIDIZATION SYSTEM OR VT 2 PRO? OR POWER CORE? OR POWERCORE? OR AGRISURE? OR VIPTERA? OR TRECEPTA?
L15	QUE SPE=ON ABB=ON PLU=ON MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"
L16	QUE SPE=ON ABB=ON PLU=ON (CP4EPSPS? OR CP4 EPSPS? OR 5(W) (ENOL PYRUVYL SHIKIMATE OR ENOLPYRUVYL SHIKIMATE OR ENOL PYRUVYLSHIKIMATE OR ENOL!PYRUVYL!SHIKIMATE OR ENOLPYRUVYLSHIKIMATE) (W) 3 PHOSPHATE(1W)SYNTHASE)
L17	QUE SPE=ON ABB=ON PLU=ON (PAT AND (GENE OR ENZYME OR PROTEIN)) OR (PHOSPHINOTHRICIN AND (ACETYL TRANSFERASE OR ACETYL!TRANSFERASE OR ACETYLTRANSFERASE))
L18	QUE SPE=ON ABB=ON PLU=ON (DICAMBA ?OXYGENASE OR DICAMBA ?DEMETHYLASE OR (DMO? AND (GENE OR ENZYME OR PROTEIN)) OR (FT(W)T? AND (GENE OR ENZYME OR PROTEIN)) OR (RDPA AND (GENE OR ENZYME OR PROTEIN)) OR ?PHENOXY? DIOXYGENASE OR ?IRON DIOXYGENASE OR ?KETOGLUTARATE? DIOXYGENASE)
L19	QUE SPE=ON ABB=ON PLU=ON CRY1AB OR CRY1 AB OR CRY 1 AB OR CRY 1AB OR CRYIAB OR CRYI AB OR CRY I AB OR CRY IAB OR CRY1A105 OR CRY1A 105 OR CRY 1A 105 OR CRY 1A105 OR CRYIA105 OR CRYIA 105 OR CRY IA 105 OR CRY IA105 OR CRY1A.105
L20	QUE SPE=ON ABB=ON PLU=ON CRY2AB? OR CRY2 AB? OR CRY 2 AB? OR CRY 2AB? OR CRYIIAB? OR CRYII AB? OR CRY II AB? OR CRY IIAB? OR CRY1F OR CRY1 F OR CRY 1 F OR CRY 1F OR CRYIF OR CRYI F OR CRY I F OR CRY IF OR VIP3AA20 OR VIP3!AA20 OR VIP3 AA20
L21	QUE SPE=ON ABB=ON PLU=ON CRY1B.868 OR CRY1B868 OR CRY1B 868 OR CRY 1B 868 OR CRY 1B868 OR CRYIB.868 OR CRYIB868 OR CRYIB 868 OR CRY IB 868 OR CRY IB868 OR CRY1DA? OR CRY1 DA? OR CRY 1 DA? OR CRY 1DA? OR CRYIDA? OR CRYI DA? OR CRY I DA? OR CRY IDA?
L22	QUE SPE=ON ABB=ON PLU=ON CRY3BB? OR CRY3 BB? OR CRY 3 BB? OR CRY 3BB? OR CRYIIIIBB? OR CRYIII BB? OR CRY III BB? OR CRY IIIIBB? OR CRY34AB1? OR CRY34AB 1? OR CRY 34AB 1? OR CRY 34AB1? OR GPP34AB1? OR GPP34AB 1? OR GPP 34AB 1? OR GPP 34AB1?

L23	QUE SPE=ON ABB=ON PLU=ON CRY35AB1? OR CRY35AB 1? OR CRY 35AB 1? OR CRY 35AB1? OR TPP35AB1? OR TPP35AB 1? OR TPP 35AB 1? OR TPP 35AB1?
L24	QUE SPE=ON ABB=ON PLU=ON (CSPB AND (GENE OR ENZYME OR PROTEIN)) OR (CSP B AND (GENE OR ENZYME OR PROTEIN))
L25	QUE SPE=ON ABB=ON PLU=ON COLD SHOCK PROTEIN B OR COLD!SHOCK! PROTEIN!B OR COLD SHOCKPROTEIN B OR COLD!SHOCKPROTEIN!B OR COLD!SHOCK PROTEIN B OR COLD!SHOCK PROTEIN!B OR (ATHB17? OR ATHB!17? OR ATHB 17? OR HB17? OR HB!17? OR HB 17?)
L26	QUE SPE=ON ABB=ON PLU=ON (RNA? OR DSRNA? OR SIRNA?) (5A) (DVS NF7 OR WCR SNF7 OR CRW SNF7 OR DV SNF7 OR DVS NF 7 OR DV SNF 7 OR DV.SNF7 OR SNF7)
L27	QUE SPE=ON ABB=ON PLU=ON GMO? OR LMO? OR GM OR GE OR TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?) (5A) (MODIF? OR TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))
L28	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP OR GLUFOSINATE OR GLUPHOSINATE OR PHOSPHINOTHRICIN OR ?BUTANOIC ACID OR BASTA OR IGNITE OR LIBERTY)
L29	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (DICAMBA OR ?METHOXYBENZOIC ACID OR QUIZZALOFOP? OR ?PHENOXY? OR AOPP OR FOPS OR CARBOXYLASE INHIBITOR? OR ACCASE INHIBITOR? OR 2,4-D? OR ASSURE II OR PILOT SUPER OR TARGA OR PILOT ULTRA OR AGRESSOR OR PROVISIA OR QUIZ OR SE-CURE EC OR ENLIST)
L30	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (BORER? OR EARWORM? OR BOLLWORM? OR ARMYWORM? OR EAR WORM? OR BOLL WORM? OR ARMY WORM? OR LEPIDOPTERA? OR NOCTUIDAE)
L31	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (CRAMBIDAE OR OSTRINIA OR SESAMIA OR CHILO OR DIATRAEA OR SPODOPTERA OR BUSSEOLA OR HELICOVERPA OR FURNACALIS OR NUBILALIS OR NONAGRIOIDES OR PARTELLUS)
L32	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (GRANDIOSELLA OR SACCHARALIS OR FRUGIPERDA OR FUSCA OR ZEA OR ARMIGERA OR ECB OR MCB OR ACB OR SSB OR SWCB OR SCB OR FAW OR AMSB OR CEW OR CBW OR OBW)
L33	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (EXIGUA OR CUTWORM? OR CUT WORM? OR STRIACOSTA OR AGROTIS OR FELTIA OR PSEUDALETIA OR ALBICOSTA OR IPSILON OR JACULIFERA OR UNIPUNCTA OR WBC)
L34	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (ROOTWORM? OR ROOT WORM? OR COLEOPTERA? OR CHRYSOMEL? OR DIABROTICA OR VIRGIFERA OR BARBERI OR UNDECIMPUNCTATA OR CRW OR WCR? OR NCR? OR SCR? OR MCR?)
L35	QUE SPE=ON ABB=ON PLU=ON (BTMAIZE OR BTCORN OR BT MAIZE OR BT CORN OR BT!MAIZE OR BT!CORN OR THURINGIENSIS!MAIZE OR THURINGIENSISMAIZE OR THURINGIENSIS MAIZE OR THURINGIENSIS!CORN OR THURINGIENSISCORN OR THURINGIENSIS CORN)
L36	QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) DROUGHT OR (EFFICIEN? OR REDUC? OR LIMIT? OR DECRE? OR LOW?) (5A) WATER
L37	QUE SPE=ON ABB=ON PLU=ON (HYBRID? OR CROSS? OR POLLEN? OR POLLINAT? OR STERIL? (5A) MALE) AND (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP?)
L38	QUE SPE=ON ABB=ON PLU=ON (INCRE? OR ENHANCE?) (5A) (EAR SIZE OR EAR BIOMASS OR EAR GROWTH OR EAR WEIGHT OR EAR MASS OR SINK CAPACITY OR SINK POTENTIAL)
L39	QUE SPE=ON ABB=ON PLU=ON ZEA MAYS+UF, NT/CT, ORGN OR MAIZE+UF, NT/CT, ORGN
L40	QUE SPE=ON ABB=ON PLU=ON GENETIC ENGINEERING+UF, NT/CT OR

GENETIC TRANSFORMATION+UF,NT/CT OR GENETICALLY ENGINEERED
FOODS+UF,NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF,NT/CT OR
FOOD BIOTECHNOLOGY+UF,NT/CT

L41 QUE SPE=ON ABB=ON PLU=ON (WEED CONTROL+UF,NT/CT OR INSECT
CONTROL+UF,NT/CT)

L42 QUE SPE=ON ABB=ON PLU=ON (COLEOPTERA+UF/CT,ORGN OR CHRYSOMEL
IDAE+UF/CT,ORGN OR DIABROTICA+UF,NT1/CT,ORGN OR LEPIDOPTERA+UF/
CT,ORGN OR NOCTUIDAE+UF/CT,ORGN OR CRAMBIDAE+UF/CT,ORGN OR
OSTRINIA+UF,NT1/CT,ORGN OR SESAMIA+UF,NT1/CT,ORGN)

L43 QUE SPE=ON ABB=ON PLU=ON (CHILO+UF,NT1/CT,ORGN OR DIATRAEA+U
F,NT1/CT,ORGN OR HELICOVERPA+UF,NT1/CT,ORGN OR SPODOPTERA+UF,NT
1/CT,ORGN OR BUSSEOLA+UF,NT1/CT,ORGN OR DICAMBA+UF,NT/CT OR
2,4-D+UF,NT/CT OR PHENOXYPROPIONIC HERBICIDES+UF,NT/CT)

L44 QUE SPE=ON ABB=ON PLU=ON (AGROTIS+UF,NT1/CT,ORGN OR
STRIACOSTA+UF,NT1/CT,ORGN OR FELTIA+UF,NT1/CT,ORGN OR PSEUDALET
IA+UF,NT1/CT,ORGN OR GLYPHOSATE+UF,NT/CT OR GLUFOSINATE+UF,NT/C
T)

L45 QUE SPE=ON ABB=ON PLU=ON (HYBRIDIZATION+UF,NT/CT OR
CROSSING+UF,NT/CT OR PLANT BREEDING METHODS+UF,NT/CT OR
POLLINATION+UF,NT/CT OR MALE STERILITY+UF,NT/CT) AND GLYPHOSATE
+UF,NT/CT

L46 QUE SPE=ON ABB=ON PLU=ON DROUGHT RESISTANCE+UF,NT/CT OR
BIOMASS PRODUCTION+UF,NT/CT

FILE 'SCISEARCH' ENTERED AT 15:12:03 ON 08 FEB 2024

L47 5 SEA SPE=ON ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6
OR L7 OR L8 OR L9 OR L10 OR L11) AND ED>=20231002 AND ED<=20240
205 AND PY>=2023

L48 161 SEA SPE=ON ABB=ON PLU=ON (L12 OR L13 OR L14) AND ED>=2023100
2 AND ED<=20240205 AND PY>=2023

L49 9165 SEA SPE=ON ABB=ON PLU=ON L15 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L50 2 SEA SPE=ON ABB=ON PLU=ON L48 AND L49

L51 109 SEA SPE=ON ABB=ON PLU=ON (L16 OR L17 OR L18) AND ED>=2023100
2 AND ED<=20240205 AND PY>=2023

L52 41 SEA SPE=ON ABB=ON PLU=ON (L19 OR L20 OR L21) AND ED>=2023100
2 AND ED<=20240205 AND PY>=2023

L53 2 SEA SPE=ON ABB=ON PLU=ON (L22 OR L23) AND ED>=20231002 AND
ED<=20240205 AND PY>=2023

L54 1 SEA SPE=ON ABB=ON PLU=ON (L24 OR L25) AND ED>=20231002 AND
ED<=20240205 AND PY>=2023

L55 1 SEA SPE=ON ABB=ON PLU=ON L26 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L56 151 SEA SPE=ON ABB=ON PLU=ON L51 OR L52 OR L53 OR L54 OR L55

L57 10317 SEA SPE=ON ABB=ON PLU=ON L27 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L58 45 SEA SPE=ON ABB=ON PLU=ON L56 AND (L57 OR L49)

L59 82 SEA SPE=ON ABB=ON PLU=ON (L28 OR L29) AND ED>=20231002 AND
ED<=20240205 AND PY>=2023

L60 107 SEA SPE=ON ABB=ON PLU=ON (L30 OR L31 OR L32 OR L33) AND
ED>=20231002 AND ED<=20240205 AND PY>=2023

L61 802 SEA SPE=ON ABB=ON PLU=ON L34 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L62 14 SEA SPE=ON ABB=ON PLU=ON L35 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L63 10686 SEA SPE=ON ABB=ON PLU=ON L36 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L64 32 SEA SPE=ON ABB=ON PLU=ON L37 AND ED>=20231002 AND ED<=202402
05 AND PY>=2023

L65	10	SEA SPE=ON	ABB=ON	PLU=ON	L38 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L66	11657	SEA SPE=ON	ABB=ON	PLU=ON	L59 OR L60 OR L61 OR L63 OR L64 OR L65
L67	37	SEA SPE=ON	ABB=ON	PLU=ON	L66 AND L57 AND L49
L68	10	SEA SPE=ON	ABB=ON	PLU=ON	L62 AND L57
L69	43	SEA SPE=ON	ABB=ON	PLU=ON	L68 OR L67
L70	79	SEA SPE=ON	ABB=ON	PLU=ON	L47 OR L50 OR L58 OR L69

FILE 'CABA' ENTERED AT 15:13:50 ON 08 FEB 2024

L71	4	SEA SPE=ON	ABB=ON	PLU=ON	(L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L72	33	SEA SPE=ON	ABB=ON	PLU=ON	(L12 OR L13 OR L14) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L73	5311	SEA SPE=ON	ABB=ON	PLU=ON	L15 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L74	3293	SEA SPE=ON	ABB=ON	PLU=ON	L39 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L75	5311	SEA SPE=ON	ABB=ON	PLU=ON	L73 OR L74
L76	2	SEA SPE=ON	ABB=ON	PLU=ON	L72 AND L75
L77	32	SEA SPE=ON	ABB=ON	PLU=ON	(L16 OR L17) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L78	35	SEA SPE=ON	ABB=ON	PLU=ON	(L18 OR L19) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L79	16	SEA SPE=ON	ABB=ON	PLU=ON	(L20 OR L21) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L80	1	SEA SPE=ON	ABB=ON	PLU=ON	(L22 OR L23) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L81	0	SEA SPE=ON	ABB=ON	PLU=ON	L26 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L82	74	SEA SPE=ON	ABB=ON	PLU=ON	L77 OR L78 OR L79 OR L80 OR L81
L83	4049	SEA SPE=ON	ABB=ON	PLU=ON	L27 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L84	2058	SEA SPE=ON	ABB=ON	PLU=ON	L40 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L85	4332	SEA SPE=ON	ABB=ON	PLU=ON	L83 OR L84
L86	36	SEA SPE=ON	ABB=ON	PLU=ON	L82 AND (L75 OR L85)
L87	53	SEA SPE=ON	ABB=ON	PLU=ON	L28 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L88	149	SEA SPE=ON	ABB=ON	PLU=ON	(L29 OR L30 OR L31 OR L32) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L89	9	SEA SPE=ON	ABB=ON	PLU=ON	L33 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L90	494	SEA SPE=ON	ABB=ON	PLU=ON	L34 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L91	10	SEA SPE=ON	ABB=ON	PLU=ON	L35 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L92	6127	SEA SPE=ON	ABB=ON	PLU=ON	L36 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L93	26	SEA SPE=ON	ABB=ON	PLU=ON	L37 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L94	1053	SEA SPE=ON	ABB=ON	PLU=ON	L41 AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L95	1286	SEA SPE=ON	ABB=ON	PLU=ON	(L42 OR L43 OR L44) AND ED>=20231002 AND ED<=20240205 AND PY>=2023
L96	202	SEA SPE=ON	ABB=ON	PLU=ON	L94 AND L95
L97	2	SEA SPE=ON	ABB=ON	PLU=ON	L45 AND ED>=20231002 AND ED<=20240205 AND PY>=2023

L98 1586 SEA SPE=ON ABB=ON PLU=ON L46 AND ED>=20231002 AND ED<=20240205 AND PY>=2023

L99 6751 SEA SPE=ON ABB=ON PLU=ON L87 OR L88 OR L89 OR L91 OR L92 OR L93 OR L96 OR L97 OR L98

L100 43 SEA SPE=ON ABB=ON PLU=ON L99 AND L85 AND L75

L101 37 SEA SPE=ON ABB=ON PLU=ON L90 AND L85

L102 79 SEA SPE=ON ABB=ON PLU=ON L100 OR L101

L103 110 SEA SPE=ON ABB=ON PLU=ON L71 OR L76 OR L86 OR L102

FILE 'STNGUIDE' ENTERED AT 15:14:55 ON 08 FEB 2024

FILE 'CABA, SCISEARCH' ENTERED AT 15:14:56 ON 08 FEB 2024

L104 180 DUP REM L103 L70 (9 DUPLICATES REMOVED)

ANSWERS '1-110' FROM FILE CABA

ANSWERS '111-180' FROM FILE SCISEARCH

D L104 1-180 ALL PY

FILE 'CABA' ENTERED AT 15:15:39 ON 08 FEB 2024

REDISTRIBUTE 25 110

FILE 'SCISEARCH' ENTERED AT 15:15:40 ON 08 FEB 2024

REDISTRIBUTE 25 70

FILE 'CABA' ENTERED AT 15:15:41 ON 08 FEB 2024

ARCHIVE 25 110

FILE 'SCISEARCH' ENTERED AT 15:15:43 ON 08 FEB 2024

ARCHIVE 25 70

FILE 'STNGUIDE' ENTERED AT 15:15:43 ON 08 FEB 2024

FILE SCISEARCH

FILE COVERS 1974 TO 5 Feb 2024 (20240205/ED)

To bring you the most up-to-date SciSearch information,
SciSearch SDIs now run on Mondays.

FILE CABA

FILE LAST UPDATED: 5 Feb 2024 (20240205/UP)

FILE COVERS 1973 TO PRESENT

Bayer GM maize products literature search, including MON 87429, MON 95379 and MON 87419 – Third quarter (February 2024 – June 2024)

This alert will only include literature published from 2024 onwards

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(FILE 'STNGUIDE' ENTERED AT 09:27:44 ON 04 JUN 2024)

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D SEL

L1 QUE SPE=ON ABB=ON PLU=ON MON 810? OR MON810? OR MON!810? OR MON 00810? OR MON00810? OR MON!00810? OR MON 00810? OR MON00810? OR MON!00810? OR MON EMPTY SETEMPTY SET81EMPTY SET? OR MON!EMPTY SETEMPTY SET81EMPTY SET? OR MONEMPTY SETEMPTY

	SET81EMPTY SET? OR NK603 OR NK 603
L2	QUE SPE=ON ABB=ON PLU=ON MON 00603? OR MON!00603? OR MON00603? OR MON 00603? OR MON00603? OR MON!00603? OR MON EMPTY SETEMPTY SET6EMPTY SET3? OR MON!EMPTY SETEMPTY SET6EMPTY SET3? OR MONEMPTY SETEMPTY SET6EMPTY SET3?
L3	QUE SPE=ON ABB=ON PLU=ON MON 88017? OR MON!88017? OR MON88017? OR MON 88017? OR MON!88017? OR MON88017? OR MON 88EMPTY SET17? OR MON!88EMPTY SET17? OR MON88EMPTY SET17?
L4	QUE SPE=ON ABB=ON PLU=ON MON 89034? OR MON!89034? OR MON89034? OR MON 89034? OR MON!89034? OR MON89034? OR MON 89EMPTY SET34? OR MON!89EMPTY SET34? OR MON89EMPTY SET34?
L5	QUE SPE=ON ABB=ON PLU=ON MON 87460? OR MON!87460? OR MON87460? OR MON 87460? OR MON!87460? OR MON87460? OR MON 8746EMPTY SET? OR MON!8746EMPTY SET? OR MON8746EMPTY SET? OR MON 87427? OR MON!87427? OR MON87427?
L6	QUE SPE=ON ABB=ON PLU=ON ((1507 OR 1507 OR 15EMPTYSET7) AND (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS")) OR TC1507 OR TC1507 OR TC15EMPTYSET7
L7	QUE SPE=ON ABB=ON PLU=ON DAS 01507? OR DAS!01507? OR DAS01507? OR DAS 01507? OR DAS!01507? OR DAS01507? OR DAS EMPTY SET15EMPTY SET7? OR DAS!EMPTY SET15EMPTY SET7? OR DASEMPTY SET15EMPTY SET7?
L8	QUE SPE=ON ABB=ON PLU=ON (59122 AND (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS")) OR DAS 59122? OR DAS!59122? OR DAS59122? OR (T25 AND (MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"))
L9	QUE SPE=ON ABB=ON PLU=ON ACS ZM003? OR ACS!ZM003? OR ACSZM003? OR ACS ZMOO3? OR ACS!ZMOO3? OR ACSZMOO3? OR ACS ZMEMPTY SET EMPTY SET3? OR ACS!ZMEMPTY SET EMPTY SET3? OR ACSZMEMPTY SET EMPTY SET3? OR MON 87411? OR MON!87411? OR MON87411?
L10	QUE SPE=ON ABB=ON PLU=ON MON 87403? OR MON!87403? OR MON87403? OR MON 87403? OR MON!87403? OR MON87403? OR MON 874EMPTY SET3? OR MON!874EMPTY SET3? OR MON874EMPTY SET3?
L11	QUE SPE=ON ABB=ON PLU=ON MIR!162? OR MIR 162? OR MIR162? OR SYN!IR162? OR SYN IR162? OR SYNIR162? OR MON 87419? OR MON87419? OR MON 87429? OR MON87429? OR MON 95379? OR MON95379?
L12	QUE SPE=ON ABB=ON PLU=ON YIELD GARD? OR YIELDG? OR YIELD!GAR D? OR YIELDGARD? OR ROUNDUPREADY? OR ROUND UP READY? OR ROUND!UP!READY? OR ROUND!UP READY? OR ROUNDUP READY? OR RR2? OR RRII? OR VT? PRO? OR VT! PRO OR VT PRO? OR VT!PRO? OR VTPRO? OR DROUGHTGARD? OR DROUGHT GARD? OR HERCULEX?
L13	QUE SPE=ON ABB=ON PLU=ON LIBERTY LINK? OR LIBERTYLINK? OR LIBERTY!LINK OR VT? TRIPLE? OR VTTRIPLE? OR VT!TRIPLE? OR VT TRIPLE? OR VT DOUBLE PRO? OR VT DOUBLEPRO? OR VTDOUBLE PRO? OR VTDOUBLEPRO? OR VT!DOUBLE PRO? OR VT!DOUBLEPRO ? OR VT!2!PRO?
L14	QUE SPE=ON ABB=ON PLU=ON SMARTSTAX? OR SMART STAX? OR SMART!STAX? OR RHS OR HYBRIDIZATION SYSTEM OR VT 2 PRO? OR POWER CORE? OR POWERCORE? OR AGRISURE? OR VIPTERA? OR TRECEPTA?
L15	QUE SPE=ON ABB=ON PLU=ON MAIZE? OR CORN? OR "ZEA MAYS" OR "Z. MAYS"
L16	QUE SPE=ON ABB=ON PLU=ON (CP4EPSPTS? OR CP4 EPSPTS? OR 5(W) (ENOL PYRUVYL SHIKIMATE OR ENOLPYRUVYL SHIKIMATE OR ENOL PYRUVYLSHIKIMATE OR ENOL!PYRUVYL!SHIKIMATE OR ENOLPYRUVYLSHIKIM ATE) (W) 3 PHOSPHATE (1W) SYNTHASE)
L17	QUE SPE=ON ABB=ON PLU=ON (PAT AND (GENE OR ENZYME OR

L18 PROTEIN)) OR (PHOSPHINOTHRICIN AND (ACETYL TRANSFERASE OR ACETYL!TRANSFERASE OR ACETYLTRANSFERASE))
 QUE SPE=ON ABB=ON PLU=ON (DICAMBA ?OXYGENASE OR DICAMBA ?DEMETHYLASE OR (DMO? AND (GENE OR ENZYME OR PROTEIN)) OR (FT(W)T? AND (GENE OR ENZYME OR PROTEIN)) OR (RDPA AND (GENE OR ENZYME OR PROTEIN)) OR ?PHENOXY? DIOXYGENASE OR ?IRON DIOXYGENASE OR ?KETOGLUTARATE? DIOXYGENASE)
 L19 QUE SPE=ON ABB=ON PLU=ON CRY1AB OR CRY1 AB OR CRY 1 AB OR CRY 1AB OR CRYIAB OR CRYI AB OR CRY I AB OR CRY IAB OR CRY1A105 OR CRY1A 105 OR CRY 1A 105 OR CRY 1A105 OR CRYIA105 OR CRYIA 105 OR CRY IA 105 OR CRY IA105 OR CRYIA.105
 L20 QUE SPE=ON ABB=ON PLU=ON CRY2AB? OR CRY2 AB? OR CRY 2 AB? OR CRY 2AB? OR CRYIAB? OR CRYII AB? OR CRY II AB? OR CRY IIAB? OR CRY1F OR CRY1 F OR CRY 1 F OR CRY 1F OR CRYIF OR CRYI F OR CRY I F OR CRY IF OR VIP3AA20 OR VIP3!AA20 OR VIP3 AA20
 L21 QUE SPE=ON ABB=ON PLU=ON CRY1B.868 OR CRY1B868 OR CRY1B 868 OR CRY 1B 868 OR CRY 1B868 OR CRYIB.868 OR CRYIB868 OR CRYIB 868 OR CRY IB 868 OR CRY IB868 OR CRYIDA? OR CRY1 DA? OR CRY 1 DA? OR CRY 1DA? OR CRYIDA? OR CRYI DA? OR CRY I DA? OR CRY IDA?
 L22 QUE SPE=ON ABB=ON PLU=ON CRY3BB? OR CRY3 BB? OR CRY 3 BB? OR CRY 3BB? OR CRYIII BB? OR CRY III BB? OR CRY III BB? OR CRY34AB1? OR CRY34AB 1? OR CRY 34AB 1? OR CRY 34AB1? OR GPP34AB1? OR GPP34AB 1? OR GPP 34AB 1? OR GPP 34AB1?
 L23 QUE SPE=ON ABB=ON PLU=ON CRY35AB1? OR CRY35AB 1? OR CRY 35AB 1? OR CRY 35AB1? OR TPP35AB1? OR TPP35AB 1? OR TPP 35AB 1? OR TPP 35AB1?
 L24 QUE SPE=ON ABB=ON PLU=ON (CSPB AND (GENE OR ENZYME OR PROTEIN)) OR (CSP B AND (GENE OR ENZYME OR PROTEIN))
 L25 QUE SPE=ON ABB=ON PLU=ON COLD SHOCK PROTEIN B OR COLD!SHOCK! PROTEIN!B OR COLD SHOCKPROTEIN B OR COLD!SHOCKPROTEIN!B OR COLD!SHOCK PROTEIN B OR COLD!SHOCK PROTEIN!B OR (ATHB17? OR ATHB!17? OR ATHB 17? OR HB17? OR HB!17? OR HB 17?)
 L26 QUE SPE=ON ABB=ON PLU=ON (RNA? OR DSRNA? OR SIRNA?) (5A) (DVS NF7 OR WCR SNF7 OR CRW SNF7 OR DV SNF7 OR DVS NF 7 OR DV SNF 7 OR DV.SNF7 OR SNF7)
 L27 QUE SPE=ON ABB=ON PLU=ON GMO? OR LMO? OR GM OR GE OR TRANSGEN? OR ((GENETIC? OR LIVING OR BIOTECH?) (5A) (MODIF? OR TRANSFORM? OR MANIPULAT? OR IMPROV? OR ENGINEER? OR DERIV?))
 L28 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP OR GLUFOSINATE OR GLUPHOSINATE OR PHOSPHINOTHRICIN OR ?BUTANOIC ACID OR BASTA OR IGNITE OR LIBERTY)
 L29 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (DICAMBA OR ?METHOXYBENZOIC ACID OR QUIZALOFOP? OR ?PHENOXY? OR AOPP OR FOPS OR CARBOXYLASE INHIBITOR? OR ACCASE INHIBITOR? OR 2,4-D? OR ASSURE II OR PILOT SUPER OR TARGA OR PILOT ULTRA OR AGRESSOR OR PROVISIA OR QUIZ OR SE-CURE EC OR ENLIST)
 L30 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (BORER? OR EARWORM? OR BOLLWORM? OR ARMYWORM? OR EAR WORM? OR BOLL WORM? OR ARMY WORM? OR LEPIDOPTERA? OR NOCTUIDAE)
 L31 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (CRAMBIDAE OR OSTRINIA OR SESAMIA OR CHILO OR DIATRAEA OR SPODOPTERA OR BUSSEOLA OR HELICOVERPA OR FURNACALIS OR NUBILALIS OR NONAGRIOIDES OR PARTELLUS)
 L32 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (GRANDIOSELLA OR SACCHARALIS OR FRUGIPERDA OR FUSCA OR ZEA OR ARMIGERA OR ECB OR MCB OR ACB OR SSB OR SWCB OR SCB OR FAW OR AMSB OR CEW OR CBW OR OBW)

L33 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (EXIGUA OR CUTWORM? OR CUT WORM? OR STRIACOSTA OR AGROTIS OR FELTIA OR PSEUDALETIA OR ALBICOSTA OR IPSILON OR JACULIFERA OR UNIPUNCTA OR WBC)

L34 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) (ROOTWORM? OR ROOT WORM? OR COLEOPTERA? OR CHRYSOMEL? OR DIABROTICA OR VIRGIFERA OR BARBERI OR UNDECIMPUNCTATA OR CRW OR WCR? OR NCR? OR SCR? OR MCR?)

L35 QUE SPE=ON ABB=ON PLU=ON (BTMAIZE OR BTCORN OR BT MAIZE OR BT CORN OR BT!MAIZE OR BT!CORN OR THURINGIENSIS!MAIZE OR THURINGIENSISMAIZE OR THURINGIENSIS MAIZE OR THURINGIENSIS!CORN OR THURINGIENSISCORN OR THURINGIENSIS CORN)

L36 QUE SPE=ON ABB=ON PLU=ON (TOLERAN? OR RESISTAN? OR PROTEC?) (5A) DROUGHT OR (EFFICIEN? OR REDUC? OR LIMIT? OR DECRE? OR LOW?) (5A) WATER

L37 QUE SPE=ON ABB=ON PLU=ON (HYBRID? OR CROSS? OR POLLEN? OR POLLINAT? OR STERIL? (5A) MALE) AND (GL!PHOSATE OR GL!FOSATE OR ROUNDUP? OR ROUND UP? OR ROUND!UP?)

L38 QUE SPE=ON ABB=ON PLU=ON (INCRE? OR ENHANCE?) (5A) (EAR SIZE OR EAR BIOMASS OR EAR GROWTH OR EAR WEIGHT OR EAR MASS OR SINK CAPACITY OR SINK POTENTIAL)

L39 QUE SPE=ON ABB=ON PLU=ON ZEA MAYS+UF,NT/CT,ORGN OR MAIZE+UF,NT/CT,ORGN

L40 QUE SPE=ON ABB=ON PLU=ON GENETIC ENGINEERING+UF,NT/CT OR GENETIC TRANSFORMATION+UF,NT/CT OR GENETICALLY ENGINEERED FOODS+UF,NT/CT OR GENETICALLY ENGINEERED ORGANISMS+UF,NT/CT OR FOOD BIOTECHNOLOGY+UF,NT/CT

L41 QUE SPE=ON ABB=ON PLU=ON (WEED CONTROL+UF,NT/CT OR INSECT CONTROL+UF,NT/CT)

L42 QUE SPE=ON ABB=ON PLU=ON (COLEOPTERA+UF/CT,ORGN OR CHRYSOMELIDAE+UF/CT,ORGN OR DIABROTICA+UF,NT1/CT,ORGN OR LEPIDOPTERA+UF/CT,ORGN OR NOCTUIDAE+UF/CT,ORGN OR CRAMBIDAE+UF/CT,ORGN OR OSTRINIA+UF,NT1/CT,ORGN OR SESAMIA+UF,NT1/CT,ORGN)

L43 QUE SPE=ON ABB=ON PLU=ON (CHILO+UF,NT1/CT,ORGN OR DIATRAEA+UF,NT1/CT,ORGN OR HELICOVERPA+UF,NT1/CT,ORGN OR SPODOPTERA+UF,NT1/CT,ORGN OR BUSSEOLA+UF,NT1/CT,ORGN OR DICAMBA+UF,NT/CT OR 2,4-D+UF,NT/CT OR PHENOXYPROPIONIC HERBICIDES+UF,NT/CT)

L44 QUE SPE=ON ABB=ON PLU=ON (AGROTIS+UF,NT1/CT,ORGN OR STRIACOSTA+UF,NT1/CT,ORGN OR FELTIA+UF,NT1/CT,ORGN OR PSEUDALETIA+UF,NT1/CT,ORGN OR GLYPHOSATE+UF,NT/CT OR GLUFOSINATE+UF,NT/CT)

L45 QUE SPE=ON ABB=ON PLU=ON (HYBRIDIZATION+UF,NT/CT OR CROSSING+UF,NT/CT OR PLANT BREEDING METHODS+UF,NT/CT OR POLLINATION+UF,NT/CT OR MALE STERILITY+UF,NT/CT) AND GLYPHOSATE+UF,NT/CT

L46 QUE SPE=ON ABB=ON PLU=ON DROUGHT RESISTANCE+UF,NT/CT OR BIOMASS PRODUCTION+UF,NT/CT

FILE 'SCISEARCH' ENTERED AT 10:28:35 ON 04 JUN 2024

L47 16 SEA SPE=ON ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11) AND ED>=20240205 AND ED<=20240603 AND PY>=2024

L48 181 SEA SPE=ON ABB=ON PLU=ON (L12 OR L13 OR L14) AND ED>=20240205 AND ED<=20240603 AND PY>=2024

L49 8622 SEA SPE=ON ABB=ON PLU=ON L15 AND ED>=20240205 AND ED<=20240603 AND PY>=2024

L50 5 SEA SPE=ON ABB=ON PLU=ON L48 AND L49

L51 110 SEA SPE=ON ABB=ON PLU=ON (L16 OR L17 OR L18) AND ED>=20240205 AND ED<=20240603 AND PY>=2024

L52	23	SEA SPE=ON ABB=ON PLU=ON (L19 OR L20 OR L21) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L53	2	SEA SPE=ON ABB=ON PLU=ON (L22 OR L23) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L54	2	SEA SPE=ON ABB=ON PLU=ON (L24 OR L25) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L55	0	SEA SPE=ON ABB=ON PLU=ON L26 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L56	137	SEA SPE=ON ABB=ON PLU=ON L51 OR L52 OR L53 OR L54 OR L55
L57	9304	SEA SPE=ON ABB=ON PLU=ON L27 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L58	41	SEA SPE=ON ABB=ON PLU=ON L56 AND (L57 OR L49)
L59	74	SEA SPE=ON ABB=ON PLU=ON (L28 OR L29) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L60	96	SEA SPE=ON ABB=ON PLU=ON (L30 OR L31 OR L32 OR L33) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L61	712	SEA SPE=ON ABB=ON PLU=ON L34 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L62	16	SEA SPE=ON ABB=ON PLU=ON L35 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L63	11042	SEA SPE=ON ABB=ON PLU=ON L36 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L64	32	SEA SPE=ON ABB=ON PLU=ON L37 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L65	4	SEA SPE=ON ABB=ON PLU=ON L38 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L66	11888	SEA SPE=ON ABB=ON PLU=ON L59 OR L60 OR L61 OR L63 OR L64 OR L65
L67	39	SEA SPE=ON ABB=ON PLU=ON L66 AND L57 AND L49
L68	14	SEA SPE=ON ABB=ON PLU=ON L62 AND L57
L69	47	SEA SPE=ON ABB=ON PLU=ON L68 OR L67
L70	92	SEA SPE=ON ABB=ON PLU=ON L47 OR L50 OR L58 OR L69

FILE 'CABA' ENTERED AT 10:30:20 ON 04 JUN 2024

L71	6	SEA SPE=ON ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L72	29	SEA SPE=ON ABB=ON PLU=ON (L12 OR L13 OR L14) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L73	2891	SEA SPE=ON ABB=ON PLU=ON L15 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L74	1813	SEA SPE=ON ABB=ON PLU=ON L39 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L75	2895	SEA SPE=ON ABB=ON PLU=ON L73 OR L74
L76	5	SEA SPE=ON ABB=ON PLU=ON L72 AND L75
L77	27	SEA SPE=ON ABB=ON PLU=ON (L16 OR L17) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L78	21	SEA SPE=ON ABB=ON PLU=ON (L18 OR L19) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L79	9	SEA SPE=ON ABB=ON PLU=ON (L20 OR L21) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L80	1	SEA SPE=ON ABB=ON PLU=ON (L22 OR L23) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L81	0	SEA SPE=ON ABB=ON PLU=ON L26 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L82	53	SEA SPE=ON ABB=ON PLU=ON L77 OR L78 OR L79 OR L80 OR L81
L83	2560	SEA SPE=ON ABB=ON PLU=ON L27 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L84	1588	SEA SPE=ON ABB=ON PLU=ON L40 AND ED>=20240205 AND ED<=20240603 AND PY>=2024

03 AND PY>=2024

L85	2735	SEA SPE=ON	ABB=ON	PLU=ON	L83 OR L84
L86	23	SEA SPE=ON	ABB=ON	PLU=ON	L82 AND (L75 OR L85)
L87	36	SEA SPE=ON	ABB=ON	PLU=ON	L28 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L88	95	SEA SPE=ON	ABB=ON	PLU=ON	(L29 OR L30 OR L31 OR L32) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L89	3	SEA SPE=ON	ABB=ON	PLU=ON	L33 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L90	270	SEA SPE=ON	ABB=ON	PLU=ON	L34 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L91	7	SEA SPE=ON	ABB=ON	PLU=ON	L35 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L92	3253	SEA SPE=ON	ABB=ON	PLU=ON	L36 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L93	12	SEA SPE=ON	ABB=ON	PLU=ON	L37 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L94	736	SEA SPE=ON	ABB=ON	PLU=ON	L41 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L95	807	SEA SPE=ON	ABB=ON	PLU=ON	(L42 OR L43 OR L44) AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L96	119	SEA SPE=ON	ABB=ON	PLU=ON	L94 AND L95
L97	1	SEA SPE=ON	ABB=ON	PLU=ON	L45 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L98	1153	SEA SPE=ON	ABB=ON	PLU=ON	L46 AND ED>=20240205 AND ED<=20240603 AND PY>=2024
L99	3640	SEA SPE=ON	ABB=ON	PLU=ON	L87 OR L88 OR L89 OR L91 OR L92 OR L93 OR L96 OR L97 OR L98
L100	33	SEA SPE=ON	ABB=ON	PLU=ON	L99 AND L85 AND L75
L101	23	SEA SPE=ON	ABB=ON	PLU=ON	L90 AND L85
L102	52	SEA SPE=ON	ABB=ON	PLU=ON	L100 OR L101
L103	75	SEA SPE=ON	ABB=ON	PLU=ON	L71 OR L76 OR L86 OR L102

FILE 'STNGUIDE' ENTERED AT 10:31:28 ON 04 JUN 2024

FILE 'CABA, SCISEARCH' ENTERED AT 10:31:29 ON 04 JUN 2024

L104 156 DUP REM L103 L70 (11 DUPLICATES REMOVED)

ANSWERS '1-75' FROM FILE CABA

ANSWERS '76-156' FROM FILE SCISEARCH

D L104 1-156 ALL PY

FILE 'CABA' ENTERED AT 10:32:18 ON 04 JUN 2024

REDISTRIBUTE 25 75

FILE 'SCISEARCH' ENTERED AT 10:32:20 ON 04 JUN 2024

REDISTRIBUTE 25 81

FILE 'CABA' ENTERED AT 10:32:21 ON 04 JUN 2024

ARCHIVE 25 75

FILE 'SCISEARCH' ENTERED AT 10:32:25 ON 04 JUN 2024

ARCHIVE 25 81

FILE 'STNGUIDE' ENTERED AT 10:32:26 ON 04 JUN 2024

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FILE COVERS 1974 TO 3 Jun 2024 (20240603/ED)

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FILE COVERS 1973 TO PRESENT

Annex III. List of reference publications used in identifying search terms and in validating the literature search strategy for Bayer GM maize products literature search

The list below includes reference publications used for each relevant key element, namely event name, trade name, newly expressed proteins and intended traits. For GMO general and crop name search terms, given the breadth of the terms and as they are used to focus the search to GM crops, reference publications were considered not applicable.

Reference publication	Events for which the reference publication was used
Boaventura, D.; Martin, M.; Pozzebon, A.; Mota-Sanchez, D. ; Nauen, R. (2020). Monitoring of target-site mutations conferring insecticide resistance in <i>Spodoptera frugiperda</i> . Insects, Vol. 11, No. 8, https://www.mdpi.com/2075-4450/11/8/545	MON 95379 MON 89034
Burkness, E.C.; Dively, G.; Patton, T.; Morey, A.C.; Hutchison, W.D. (2010). Novel Vip3A <i>Bacillus thuringiensis</i> (Bt) maize approaches high-dose efficacy against <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) under field conditions: implications for resistance management. GM Crops, Vol. 1, No. 5, pp. 337-343, http://www.landesbioscience.com/journals/gmcrops/BurknessGMC1-5.pdf	MIR162 in MON 87427 × MON 89034 × MIR162 × NK603 (LEP3) MIR162 in MON 87427 × MON 87460 × MON 89034 × MIR162 × NK603 (LEP3 x D1) MIR162 in MON 87427 × MON 89034 × MIR162 × MON 87411 (MEGA)
Carroll, M. W.; Head, G.; Caprio, M.; Stork, L. (2013). Theoretical and empirical assessment of a seed mix refuge in corn for southwestern corn borer. Crop Protection (2013), Volume 49, pp. 58-65, https://doi.org/10.1016/j.cropro.2013.02.003	MON 89034
Castañera P, Farinós G, Ortego F and Andow D. (2016). Sixteen Years of Bt Maize in the EU Hotspot: Why Has Resistance Not Evolved? Plos One, 1-13. Farinós GP, Hernández-Crespo P, Ortego F and Castañera P, 2017. Monitoring of <i>Sesamia nonagrioides</i> resistance to MON 810 maize in the European Union: lessons from a long-term harmonized plan. Pest Management Science, 74, 557-568.	MON 810

Castillo-Lopez E, Clark KJ, Paz HA, Ramirez HAR, Klusmeyer TH, Hartnell GF and Kononoff PJ, 2014. Performance of dairy cows fed silage and grain produced from second-generation insect-protected (<i>Bacillus thuringiensis</i>) corn (MON 89034), compared with parental line corn or reference corn. <i>J. Dairy Sci</i> , 97, 3832-3837.	MON 89034
Cunxi Wang, Kevin C.Glenn, Colton Kessenich, Erin Bell, Luis A. Burzio, Michael S. Koch, Bin Li, Andre Silvanovich (2016). Safety assessment of dicamba mono-oxygenases that confer dicamba tolerance to various crops. <i>Reg Tox and Pharma</i> 81: 171-182: https://doi.org/10.1016/j.yrtph.2016.08.014	MON 87419 MON 87429
Curran KL, Festa AR, Goddard SC, George GH and Taylor ML, 2015. Kernel Compositions of Glyphosate-Tolerant and Corn Rootworm-Protected MON 88017 Sweet Corn and Insect-Protected MON 89034 Sweet Corn Are Equivalent to That of Conventional Sweet Corn (<i>Zea mays</i>). <i>Agricultural and Food Chemistry</i> , 63, 3046-3052.	MON 89034 MON 88017
Drury SM, Reynolds TL, Ridley WP, Bogdanova N, Riordan S, Nemeth MA, Sorbet R, Trujillo WA and Breeze ML, 2008. Composition of forage and grain from second-generation insect-protected corn MON 89034 is equivalent to that of conventional corn (<i>Zea mays</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 56, 4623-4630.	MON 89034
Hammond BG, Dudek R, Lemen JK and Nemeth MA. (2006). Results of a 90-day safety assurance study with rats fed grain from corn borer-protected corn. <i>Food and Chemical Toxicology</i> , 44, 1092-1099.	MON 810
Harrigan GG, Ridley WP, Miller KD, Sorbet R, Riordan SG, Nemeth MA, Reeves W, Pestert TA (2009). The forage and grain of MON 87460, a drought-tolerant corn hybrid, are compositionally equivalent to that of conventional corn. <i>JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY</i> . Volume: 57, Issue: 20, Pages: 9754-9763, DOI: 10.1021/jf9021515	MON 87460
Healy C, Hammond B and Kirkpatrick J, 2008. Results of a 13-week safety assurance study with rats fed grain from corn rootworm-protected, glyphosate-tolerant MON 88017 corn. <i>Food and Chemical Toxicology</i> , 46, 2517-2524.	MON 88017
Heck GR, Armstrong CL, Astwood JD, Behr CF, Bookout JT, BrownSM, Cavato TA, DeBoer DL, Deng MY, George C	MON 87411

(2005). Development and characterization of a CP4 EPSPS-based, glyphosate-tolerant corn event. CROP SCIENCE. Volume: 45, Issue: 1, Pages: 329-339, DOI: 10.2135/cropsci2005.0329	MON 87427 MON 88017 MON 89034 × TC1507 × MON 88017 × DAS-59122 (SmartStax) MON 87429 NK603 and NK603 × T25
Hyun Y, Bressner GE, Ellis M, Lewis AJ, Fischer R, Stanisiewski EP, Hartnell GF. (2004). Performance of growing-finishing pigs fed diets containing Roundup Ready corn (event NK603), a nontransgenic genetically similar corn, or conventional corn lines. JOURNAL OF ANIMAL SCIENCE. Volume: 82. Issue: 2. Pages: 571-580	NK603 and NK603 × T25
Lee TC1, Edrington TC2, Bell E2, Burzio LA2, Glenn KC2 (2019). Effect of common processing of soybeans on the enzymatic activity and detectability of the protein, Dicamba Mono-Oxygenase (DMO), introduced into dicamba-tolerant MON 87708. Regul Toxicol Pharmacol. 2019 Mar;102:98-107. doi: 10.1016/j.yrtph.2018.12.006. Epub 2018 Dec 15.	MON 87419 MON 87429
Lundry DR, Burns A, Nemeth MA and Riordan SG (2013). Composition of grain and forage from insect-protected and herbicide-tolerant corn, MON 89034 × TC1507 × MON 88017 × DAS-59122 7 (SmartStax), is equivalent to that of conventional corn (Zea mays L.). dx.doi.org/10.1021/jf304005n J. AGRIC. FOOD CHEM., 61, 1991–1998	MON 89034 × TC1507 × MON 88017 × DAS-59122 (SmartStax) MON 89034
Paul C C Feng, Youlin Qi, Tommy Chiu, Martin A Stoecker, Christopher L Schuster, Scott C Johnson, Augustine E Fonseca and Jintai Huang (2014). Improving hybrid seed production in corn with glyphosate-mediated male sterility. Pest manag SCI 70: 212-218: (wileyonlinelibrary.com) DOI 10.1002/ps.3526	MON 87427 MON 87429 NK603 × T25
Petrick JS, Frierdich GE, Carleton S, Kessenich CR, Silvanovich A, Zhang Y and Koch MS, 2016. Corn rootworm-active RNA DvSnf7: Repeat dose oral toxicology assessment in support of human and mammalian safety. Reg. Tox. Pharm., 81,	MON 87411

Rice EA, Khandelwal A, Creelman RA, Griffith C, Ahrens JE, et al. (2014) Expression of a Truncated ATHB17 Protein in Maize Increases Ear Weight at Silking. PLoS ONE 9(4)	MON 87403
Ridley WP, Harrigan GG, Breeze ML, Nemeth MA, Sidhu RS, Glenn KC (2011). Evaluation of compositional equivalence for multitrait biotechnology crops. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. Volume: 59, Issue: 11, Pages: 5865-5876, DOI: 10.1021/jf103874t	MON 810 NK603 and NK603 × T25
Ridley WP, Hartnell GF, Hammond BG. (2005). Role of composition and animal feeding studies in the safety assessment of biotech crops. NEW DISCOVERIES IN AGROCHEMICALS. Edited by: Clark, JM, Ohkawa, H. Book Series: ACS SYMPOSIUM SERIES. Volume: 892. Pages: 28-39	NK603 and NK603 × T25
Taylor M, Hartnell G, Nemeth M, Lucas D, Davis S. (2007). Comparison of broiler performance when fed diets containing grain from second-generation insect-protected and glyphosate-tolerant, conventional control or commercial reference corn. POULTRY SCIENCE, 86(9), 1972-1979, DOI: 10.1093/ps/86.9.1972.	MON 89034 MON 88017
Taylor M, Lucas D, Nemeth M, David S, Hartnell G (2007). Comparison of broiler performance and carcass parameters when fed diets containing combined trait insect-protected and glyphosate-tolerant corn (MON 89034 x NK603), control, or conventional reference corn. POULTRY SCIENCE, 86(9), 1988-1994, DOI: 10.1093/ps/86.9.1988	MON 89034 NK603 and NK603 × T25
Taylor ML, Hartnell GF, Riordan SG, Nemeth MA, Karunanandaa K, George B, Astwood, JD. (2003). Comparison of broiler performance when fed diets containing grain from Roundup Ready (NK603), YieldGard x Roundup Ready (MON810 x NK603), non-transgenic control, or commercial corn. POULTRY SCIENCE. Volume: 82, Issue: 3, Pages: 443-453, DOI: 10.1093/ps/82.3.443	NK603 and NK603 × T25 MON 810
Terry R. Wright, Guomin Shana,1, Terence A. Walsha, Justin M. Liraa, Cory Cuia, Ping Songa, Meibao Zhuanga, Nicole L. Arnolda, Gaofeng Lina, Kerrm Yaua, Sean M. Russella, Robert M. Cicchilloa, Mark A. Petersona, David M. Simpsona, Ning Zhoua, Jayakumar Ponsamuela, and Zhanyuan Zhangb (2010). Robust crop resistance to	MON 87429

broadleaf and grass herbicides provided by aryloxyalkanoate dioxygenase transgenes. PNAS 107 (47): www.pnas.org/cgi/doi/10.1073/pnas.1013154107	
Thieme T, Buuk C, Gloyna K, Ortego F and Farinós G, (2017). Ten years of MON 810 resistance monitoring of field populations of Ostrinia nubilalis in Europe. Journal of Applied Entomology, 00, 1-9.	MON 810
Venkatesh TV, Breeze ML, Liu K, Harrigan GG, Culler AH (2014). Compositional analysis of grain and forage from MON 87427, an inducible male sterile and tissue selective glyphosate-tolerant maize product for hybrid seed production. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. Volume: 62, Issue: 8, Pages: 1964-1973, DOI: 10.1021/jf4041589	MON 87427,
Venkatesh TV, Cook K, Liu B, Perez T and Willse A, 2014. Compositional differences between near-isogenic GM and conventional maize hybrids are associated with backcrossing practices in conventional breeding. Plant Biotechnology Journal, 1-11.	MON 89034 MON 87460 NK603 and NK603 × T25
Wang C1, Lee TC, Crowley KS, Bell E. (2013). Purification of phosphinothricin acetyltransferase using Reactive brown 10 affinity in a single chromatography step. Protein Expr Purif. 2013 Aug;90(2):129-34. doi: 10.1016/j.pep.2013.05.011. Epub 2013 Jun 6.	MON 87419, MON 87429, T25 in NK603 × T25, TC157 in MON 89034 × TC1507 × MON 88017 × DAS-59122 (SmartStax) 1507 in MON 89034 × 1507 × NK603 (Cinco) 1507 in MON 87427 × MON 87460 × MON 89034 × 1507 × MON 87411 × 59122 (D1 x SSPro)
Wang, Yanfei; Wang, Jinling, Fu, Xiaoran; Nageotte, Jeffrey R.; Silverman, Jennifer; Bretsnyder, Eric C.; Chen, Danqi; Rydel, Timothy J.; Bean, Gregory J.; Li, Ke Sherry; Kraft, Edward; Gowda, Anilkumar; Nance, Autumn; Moore, Robert G.; Pleau, Michael J.; Milligan, Jason S.; Anderson, Heather M.; Asiimwe, Peter; Evans, Adam; Moar, William	MON 95379

J.; Martinelli, Samuel; Head, Graham P.; Haas, Jeffrey A.; Baum, James A.; Yang, Fei; Kerns, David L.; Jerga, Agoston (2019). <i>Bacillus thuringiensis</i> Cry1Da_7 and Cry1B.868 protein interactions with novel receptors allow control of resistant fall armyworms, <i>Spodoptera frugiperda</i> (J.E. Smith). Applied Environmental Microbiology, Vol. 85, No. 16, https://aem.asm.org/content/85/16/e00579-19	
Xu Y, Goodacre R, Harrigan GG. (2014). Compositional equivalence of grain from multi-trait drought-tolerant maize hybrids to a conventional comparator: univariate and multivariate assessments. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. Volume: 62, Issue: 39, Pages: 9597-9608, DOI: 10.1021/jf501960	MON 87460, NK603 and NK603 × T25 MON 89034 MON 88017
Yang H, Qi Y, Goley ME, Huang J, Ivashuta S, Zhang Y, et al. (2018) Endogenous tassel-specific small RNAs-mediated RNA interference enables a novel glyphosate-inducible male sterility system for commercial production of hybrid seed in <i>Zea mays</i> L.. PLoS ONE 13(8): e0202921. https://doi.org/10.1371/journal.pone.0202921	MON 87429

Annex IV. Literature search in internet pages of relevant key organisations for Bayer GM maize products covering time span 2023 - 2024

Relevant key organisations	Link to the relevant information and summary of the retrieved records
US EPA	<p>https://www.epa.gov/ingredients-used-pesticide-products/current-and-previously-registered-section-3-plant-incorporated – Accessed on 30 July 2024. The webpage dedicated to PIP registrations was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 14 July 2020</p> <p><i>Limits applied:</i> The list of PIP active ingredients registered was sorted by ‘Year Registered’ and those registered starting from 2023 were assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “Zero”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> No record was retrieved.</p>
USDA	<p>https://www.aphis.usda.gov/aphis/ourfocus/biotechnology/regulatory-processes/petitions/petition-status/petitions-table - Accessed on 30 July 2024. The webpage dedicated to petitions for determination of nonregulated status was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 08 July 2024</p> <p><i>Limits applied:</i> The list of the petitions was sorted by ‘Effective Date’ and those deregulated starting from 01/01/2023 were assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “One”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved record is not relevant to Bayer GM maize products.</p>
US FDA	<p>https://www.cfsanappsexternal.fda.gov/scripts/fdcc/?set=NewPlantVarietyConsultations – Accessed on 30 July 2024. The webpage dedicated to biotechnology consultations on food from GE plant varieties was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 15 July 2024</p> <p><i>Limits applied:</i> The list of the consultations starting from the ‘Date Completed’ of 01 01, 2023 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “Seven”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>
CFIA	<p>https://active.inspection.gc.ca/netapp/plantnoveltraitpnt-vegecarnouvcn/pntvcne.aspx - Accessed on 02 September 2024. The webpage dedicated to repository documents referring to plants with novel traits was checked.</p>

	<p><i>Date of the most recent website update at the time of the search:</i> 27 August 2024</p> <p><i>Limits applied:</i> The list of repository documents referring to plants with novel traits starting from ‘approval for unconfined release/ livestock/ health Canada safety’ of 2023-01-01 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “11”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>
Health Canada	<p>https://www.canada.ca/en/health-canada/services/food-nutrition/genetically-modified-foods-other-novel-foods/approved-products.html - Accessed on 30 July 2024. The webpage dedicated to approved products of genetically modified (GM) foods and other novel foods was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 24 July 2024</p> <p><i>Limits applied:</i> The list of novel food decisions starting from the ‘Decision Date (20YY/MM/DD)’ of 2023/01/01 was assessed.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> “Eight”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>
FSANZ	<p>https://www.foodstandards.gov.au/consumer-information/consumer/current-status-genetically-modified-foods-applications - Accessed on 30 July 2024. The webpage dedicated to current GM applications and approvals was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 01 July 2024</p> <p><i>Limits applied:</i> The list for GM applications and approvals with ‘Status’ approved or under assessment starting from 2023 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “12”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>
CTNBio	<p>http://ctnbio.mctic.gov.br/liberacao-comercial#/liberacao-comercial/consultar-processo – Accessed on 30 July 2024. The webpage dedicated to commercial releases (= Liberações Comerciais) was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> Not available</p> <p><i>Limits applied:</i> The list of commercial releases for plants (= plantas) starting from 2023 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “Seven”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>

CONABIA	<p>https://www.argentina.gob.ar/agroindustria/alimentos-y-bioeconomia/ogm-comerciales – Accessed on 30 July 2024. The webpage of the national advisory commission on agricultural biotechnology (= Comisión Nacional Asesora de Biotecnología Agropecuaria) was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> Not available</p> <p><i>Limits applied:</i> The list of events with commercial authorisation (= Eventos con autorización comercial) starting from 2023 were checked.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “Ten”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>
MAFF	<p>https://www.maff.go.jp/j/syouan/nouan/carta/torikumi/attach/pdf/index-1.pdf Accessed on 30 July 2024. The weblink dedicated to list of approved genetically modified agricultural crops was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 22 July 2024</p> <p><i>Limits applied:</i> The list of GM agricultural crops with approval date (‘承認日’) starting from 01 01, 2023 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “16”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to Bayer GM maize products.</p>

Additional literature search in internet pages of key organisations relevant for the newly authorised product MON 87429, MON 95379 and MON 87419 maize to cover the timespan from the adoption of EFSA scientific opinion till the time of the authorisation (2022 -2024).

Relevant key organisations	Link to the relevant information and summary of the retrieved records
US EPA	<p>https://www.epa.gov/ingredients-used-pesticide-products/current-and-previously-registered-section-3-plant-incorporated – Accessed on 30 October 2024. The webpage dedicated to PIP registrations was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 08 October 2024</p> <p><i>Limits applied:</i> The list of PIP active ingredients registered was sorted by ‘Year Registered’ and those registered starting from 2022 were assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “Five”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> Two¹⁵ of the retrieved records are relevant to MON 95379. They do not have any implication on the risk assessment, because no new hazards, modified exposure, or new scientific uncertainties are reported.</p>
USDA	<p>https://www.aphis.usda.gov/aphis/ourfocus/biotechnology/regulatory-processes/petitions/petition-status/petitions-table - Accessed on 30 October 2024. The webpage dedicated to petitions for determination of nonregulated status was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 08 July 2024</p> <p><i>Limits applied:</i> The list of the petitions was sorted by ‘Effective Date’ and those deregulated starting from 01/01/2022 were assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “Two”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to MON 87429, MON 95379 or MON 87419.</p>

¹⁵US EPA, 2024. [Registration Decision for the New Active Ingredients Bacillus thuringiensis Cry1B.868 protein and the genetic material \(Vector PV-ZMIR522223\) necessary for its production in MON 95379 Maize](#). Please note the two retrieved entries refer to the same document, therefore only one footnote is included.

US FDA	<p>https://www.cfsanappsexternal.fda.gov/scripts/fdcc/?set=NewPlantVarietyConsultations – Accessed on 30 October 2024. The webpage dedicated to biotechnology consultations on food from GE plant varieties was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 02 October 2024</p> <p><i>Limits applied:</i> The list of the consultations starting from the ‘Date Completed’ of 01 01, 2022 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “16”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> One of the retrieved records is relevant to MON 87429¹⁶ and another is relevant to MON 95379¹⁷. They do not have any implication on the risk assessment, because no new hazards, modified exposure, or new scientific uncertainties are reported.</p>
CFIA	<p>https://active.inspection.gc.ca/netapp/plantnoveltraitpnt-vegecarnouvcn/pntvcne.aspx - Accessed on 30 October 2024. The webpage dedicated to repository documents referring to plants with novel traits was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 04 October 2024</p> <p><i>Limits applied:</i> The list of repository documents referring to plants with novel traits starting from ‘approval for unconfined release/ livestock/ health Canada safety’ of 2022-01-01 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “16”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to MON 87429, MON 95379 or MON 87419.</p>
Health Canada	<p>https://www.canada.ca/en/health-canada/services/food-nutrition/genetically-modified-foods-other-novel-foods/approved-products.html - Accessed on 30 October 2024. The webpage dedicated to approved products of genetically modified (GM) foods and other novel foods was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 08 October 2024</p> <p><i>Limits applied:</i> The list of novel food decisions starting from the ‘Decision Date (20YY/MM/DD)’ of 2022/01/01 was assessed.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> “18”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to MON 87429, MON 95379 or MON 87419.</p>

¹⁶ US FDA, 2022. [BNF No. 173, Corn, MON 87429, MON-87429-9.](#)

¹⁷ US FDA, 2022. [BNF No. 179, Corn, MON 95379, MON-95379-3](#)

FSANZ	<p>https://www.foodstandards.gov.au/consumer-information/consumer/current-status-genetically-modified-foods-applications - Accessed on 30 October 2024. The webpage dedicated to current GM applications and approvals was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 30 September 2024</p> <p><i>Limits applied:</i> The list for GM applications and approvals with ‘Status’ approved or under assessment starting from 2022 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “16”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> One of the retrieved records is relevant to MON 95379¹⁸. They do not have any implication on the risk assessment, because no new hazards, modified exposure, or new scientific uncertainties are reported.</p>
CTNBio	<p>http://ctnbio.mctic.gov.br/liberacao-comercial#/liberacao-comercial/consultar-processo – Accessed on 30 October 2024. The webpage dedicated to commercial releases (= Liberações Comerciais) was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> Not available</p> <p><i>Limits applied:</i> The list of commercial releases for plants (= plantas) starting from 2022 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “16”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> One of the retrieved records is relevant to MON 87429¹⁹. They do not have any implication on the risk assessment, because no new hazards, modified exposure, or new scientific uncertainties are reported.</p>
CONABIA	<p>https://www.argentina.gob.ar/agroindustria/alimentos-y-bioeconomia/ogm-comerciales – Accessed on 30 October 2024. The webpage of the national advisory commission on agricultural biotechnology (= Comisión Nacional Asesora de Biotecnología Agropecuaria) was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> Not available</p> <p><i>Limits applied:</i> The list of events with commercial authorisation (= Eventos con autorización comercial) starting from 2022 were checked.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “11”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> The retrieved records are not relevant to MON 87429, MON 95379 or MON 87419.</p>

¹⁸ FSANZ, 2022. [A1226 - Food derived from insect protected corn line MON95379](#).

¹⁹ CTNBio, 2022. [Comissão Técnica Nacional de Biossegurança. Parecer Técnico N° 591/2022 / SEI-CTNBio – Membros. Parecer Técnico 8035/2022](#).

MAFF	<p>https://www.maff.go.jp/j/syouan/nouan/carta/torikumi/attach/pdf/index-69.pdf Accessed on 30 October 2024. The weblink dedicated to list of approved genetically modified agricultural crops was checked.</p> <p><i>Date of the most recent website update at the time of the search:</i> 22 July 2024</p> <p><i>Limits applied:</i> The list of GM agricultural crops with approval date (‘承認日’) starting from 01 01, 2022 was assessed.</p> <p><i>Number of records retrieved matching the abovementioned criteria:</i> “22”.</p> <p><i>Number of relevant records or full-text documents retrieved:</i> One of the retrieved records is relevant to MON 95379²⁰. They do not have any implication on the risk assessment, because no new hazards, modified exposure, or new scientific uncertainties are reported.</p>
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²⁰ MAFF, 2022. チョウ目害虫抵抗性トウモロコシ (cry1B.868, 改変 cry1Da, *Zea mays* subsp. *mays* (L.) Ittis) (MON95379, OECD UI: MON-95379-3) 【ハ イエルクロップ サイエンス株式会社】

Annex V. Results of the publication selection process for Bayer GM maize products literature search in SciSearch and CABA databases using STN® database catalogue

Table 1. Results of the publication selection process.

Review question captured in the search	Number of publications		
	Bayer GM maize products ²¹	MON87429 and MON95379 ²²	MON 87419 ²³
Publications identified after searches of the scientific literature in SciSearch and CABA databases (following de-duplication) ²⁴	394	273	65
Publications excluded after rapid assessment for relevance	388	273	65
Publications screened using full-text documents	6	0	0
Publications excluded after detailed assessment for relevance	6	0	0
Unobtainable publications	0	0	0
Unclear publications	0	0	0
Publications considered relevant	0	0	0

²¹ The numbers refer to the results of the publication selection process for the Bayer GM maize products literature search performed covering the time span of 30 May 2023 – 03 June 2024.

²² The numbers refer to the results of the publication selection process for MON87429 and MON95379 literature search performed from 01 January 2022 until 04 October 2023.

²³ The numbers refer to the results of the publication selection process for MON 87419 literature search performed from 01 January 2022 until 23 October 2023.

²⁴ The automatic de-duplication tool substantially reduces the duplicates from the initial list of retrieved hits but does not remove all duplicates. Therefore, the discrepancy in the reported number of retrieved publications between **Annex II** and this Annex is observed due to the additional manual de-duplication conducted after the initial retrieval of the hits.

Table 2. List of publications excluded from the risk assessment after detailed assessment of full-text documents, with the reason(s) for exclusion

Study authors	Year	Title	Source	Reasons for exclusion based on the eligibility/ inclusion criteria
Arias-Martin <i>et al.</i>	2024	Teosinte introduced into Spain and <i>Bt</i> maize: hybridisation rate, phenology and <i>cryIab</i> toxin quantification in the hybrids.	Revista de Ciencias Agrarias	It is not a safety study on Bayer's GM maize products
Dos Santos-Donado <i>et al.</i>	2024	Two-dimensional gel and shotgun proteomics approaches for the comparative evaluation of genetically modified maize.	Journal of Food Measurement and Characterization	
Huang <i>et al.</i>	2024	Field evaluation the effect of two transgenic <i>Bt</i> maize events on predatory arthropods in the Huang-Huai-Hai summer maize-growing region of China.	Environmental Entomology	
Lohn <i>et al.</i>	2023	Effect of herbivore stress on transgene behaviour in maize crosses with different genetic backgrounds: <i>cryIAb</i> transgene transcription, insecticidal protein expression and bioactivity against insect pests.	Environmental Sciences Europe	
Vidal <i>et al.</i>	2024	A three-year study on the nutritional composition and occurrence of mycotoxins of corn varieties with different transgenic events focusing on poultry nutrition.	Veterinary Sciences	No use a non-GM comparator, in a comparative study.
Vives-Valles <i>et al.</i>	2024	Coexistence field trials between MON810 and conventional maize in Mallorca as a basis for a regional regulatory proposal based on scientific evidence in the times of genome editing.	Transgenic Research	It is not a safety study on Bayer's GM maize products

**Annex VI. List of relevant publications retrieved from
SciSearch and CABA databases using STN®
database catalogue (provided in .RIS format)**

Not applicable as no relevant publications were retrieved.