



27 June 2023

(23-4386)

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Committee on Sanitary and Phytosanitary Measures

Original: English

NOTIFICATION

1. Notifying Member: <u>RUSSIAN FEDERATION</u> If applicable, name of local government involved:
2. Agency responsible: Federal Service for Veterinary and Phytosanitary Surveillance
3. Products covered (provide tariff item number(s) as specified in national schedules deposited with the WTO; ICS numbers should be provided in addition, where applicable): Seeds and planting material
4. Regions or countries likely to be affected, to the extent relevant or practicable: <input checked="" type="checkbox"/> All trading partners <input type="checkbox"/> Specific regions or countries:
5. Title of the notified document: Resolution of the Government of the Russian Federation No. 817 of 27 May 2023; Decree of the Ministry of Agriculture of the Russian Federation No. 527 of 24 May 2023. Language(s): Russian. Number of pages: 21 and 19 http://publication.pravo.gov.ru/document/0001202305290059 http://publication.pravo.gov.ru/document/0001202306010057?index=1 https://members.wto.org/crnattachments/2023/SPS/RUS/23_10601_00_x.pdf https://members.wto.org/crnattachments/2023/SPS/RUS/23_10601_01_x.pdf
6. Description of content: The resolutions set out: <ul style="list-style-type: none">- rules for the audit of laboratories of foreign countries for testing seeds of agricultural plants to confirm the competence of laboratories, methods and results of the research and the frequency of the conduct;- the procedure for introducing temporary restrictions on the import of seeds of agricultural plants into the Russian Federation and (or) the establishment of the additional (special) requirements for the indicators of varietal and sowing (planting) properties of seeds of agricultural plants imported into the Russian Federation.
7. Objective and rationale: <input type="checkbox"/> food safety, <input type="checkbox"/> animal health, <input checked="" type="checkbox"/> plant protection, <input checked="" type="checkbox"/> protect humans from animal/plant pest or disease, <input checked="" type="checkbox"/> protect territory from other damage from pests.
8. Is there a relevant international standard? If so, identify the standard: <input type="checkbox"/> Codex Alimentarius Commission (e.g. title or serial number of Codex standard or related text): <input type="checkbox"/> World Organization for Animal Health (OIE) (e.g. Terrestrial or Aquatic Animal Health Code, chapter number): <input checked="" type="checkbox"/> International Plant Protection Convention (e.g. ISPM number): ISPM No. 38 <input type="checkbox"/> None Does this proposed regulation conform to the relevant international standard?

<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, describe, whenever possible, how and why it deviates from the international standard:</p>	
9.	Other relevant documents and language(s) in which these are available:
10.	<p>Proposed date of adoption (dd/mm/yy): 27 May 2023; 24 May 2023</p> <p>Proposed date of publication (dd/mm/yy): 29 May 2023; 1 June 2023</p>
11.	<p>Proposed date of entry into force: <input type="checkbox"/> Six months from date of publication, and/or (dd/mm/yy): 1 September 2023</p> <p><input type="checkbox"/> Trade facilitating measure</p>
12.	<p>Final date for comments: <input checked="" type="checkbox"/> Sixty days from the date of circulation of the notification and/or (dd/mm/yy): 26 August 2023</p> <p>Agency or authority designated to handle comments: <input type="checkbox"/> National Notification Authority, <input type="checkbox"/> National Enquiry Point. Address, fax number and e-mail address (if available) of other body:</p> <p>The Federal Service for Veterinary and Phytosanitary Surveillance (Rosselkhoznadzor) 1/11 Orlikov Lane 107139 Moscow Tel: +(7 499) 975 4347 Fax: +(7 495) 607 5111 E-mail: info@svfk.mcx.ru</p>
13.	<p>Text(s) available from: <input type="checkbox"/> National Notification Authority, <input type="checkbox"/> National Enquiry Point. Address, fax number and e-mail address (if available) of other body:</p> <p>The Federal Service for Veterinary and Phytosanitary Surveillance (Rosselkhoznadzor) 1/11 Orlikov Lane 107139 Moscow Tel: +(7 499) 975 4347 Fax: +(7 495) 607 5111 E-mail: info@svfk.mcx.ru</p>



GOVERNMENT OF THE RUSSIAN FEDERATION

RESOLUTION

dated May 27, 2023 No. 817

MOSCOW

On Approval of Rules for Auditing Foreign Agricultural Seed Testing Laboratories to Evidence Competence of Such Laboratories, Methods and Results of Research, and the Audit Frequency

Subject to Part 1 Article 22 and Clause 4 Part 2 Article 28 of the Federal Law on Seed Production, hereby the Government of the Russian Federation

r e s o l v e s a s f o l l o w s :

1. To approve the Rules for Auditing Foreign Agricultural Seed Testing Laboratories to Evidence Competence of Such Laboratories, Methods and Results of Research, and the Audit Frequency attached and annexed hereto.

2. The powers provided for hereunder shall be exercised by the Federal Service for Veterinary and Phytosanitary Surveillance to the extent of the staff headcount ceiling set for the head office of the Federal Service for Veterinary and Phytosanitary Surveillance by the Government of the Russian Federation, as well as budget allocated thereto from the federal budget for governance and management in the area of its official functions.

3. This resolution shall come into force beginning September 1, 2023 and be valid until September 1, 2029.

Chairman of the Government
of the

THE DOCUMENT IS SIGNED
DIGITALLY
INFORMATION ABOUT THE
DIGITAL SIGNATURE CERTIFICATE
Number: 2E6F99CE53C464286636F3BA6A3D867E
Supplier: Russian Federal Treasury
Government of the Russian Federation
Valid from 07.03.2023 through 30.05.2024

M. Mishustin

APPROVED
by Russian Government
Resolution
No. 817 dated May 27, 2023

RULES
for Auditing Foreign Agricultural Seed
Testing Laboratories Aimed at
Evidencing Competence of Such Laboratories, Methods
and Results of Research, and the Audit Frequency

1. These Rules establish the procedure for auditing foreign agricultural seed testing laboratories aimed at evidencing competence of such laboratories, methods and results of research, and the audit frequency (except for laboratories based in member states of the Eurasian Economic Union) (the "audit").

2. For the purposes of these Rules, 'foreign laboratories' shall mean agricultural seed testing laboratories based in foreign states and accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party.

3. The audit shall be conducted by officials of the Federal Service for Veterinary and Phytosanitary Surveillance (the "regulatory body") as agreed with competent authorities of foreign states.

4. The regulatory body shall conduct the audit on the following grounds:

a) a free-form application for audit of a competent foreign authority (the "application") with information provided in the form attached hereto as Annex 1 received by the regulatory body;

b) information on irregularities in foreign laboratory activities provided by competent foreign authorities to the regulatory body;

c) information about misstatements in foreign laboratories' documents containing data on varietal and sowing (planting) properties of agricultural seeds received by the regulatory body via the federal state agricultural seed production information system;

d) information on needs of the Russian Federation in agricultural seed supplies from foreign states received by the regulatory body from the Ministry of Agriculture of the Russian Federation;

e) information on remedy of irregularities that previous audits found in foreign laboratory activities provided by a competent foreign authority to the regulatory body;

f) a due date for a regular audit of a foreign laboratory listed in the foreign laboratory audit plan approved in compliance with Clause 22 hereof.

5. Within 15 business days from the date on which the regulatory body receives the application and (or) information specified in Sub-Clauses b) - e) of Clause 4 hereof or in the event stipulated by Sub-Clause f) of Clause 4 hereof, for the purposes of coordinating audit of a foreign laboratory the regulatory body shall give a written notice of the audit to a competent foreign authority (the "notice").

6. The notice must contain information on the grounds for the audit as listed in Clause 4 hereof, the intended form of the audit (an on-site or remote audit), the audit date and time, and the requirement to provide the following information and documents:

a) on whether a foreign state has regulatory legal acts necessary for foreign laboratory activities;

b) name of the foreign laboratory;

c) foreign laboratory's form of incorporation (private or public);

d) foreign laboratory's mail and operating addresses;

e) foreign laboratory's accreditation document (if any);

f) foreign laboratory's scope and validity period of accreditation;

g) on a foreign body that accredited the foreign laboratory (if any);

h) varietal and hybrid names of agricultural seeds imported or intended for import from a foreign state to the Russian Federation;

i) on expected agricultural seeds imports to the Russian Federation for 3 years following the year of the audit.

7. The notice submitted to a competent foreign authority shall be attached with a draft audit program, which allows for assessment of whether the foreign laboratory can technically comply with seed production laws of the Russian Federation. This program shall not include assessment of the foreign laboratory's management system.

8. The notice shall be given by mail or e-mail via the Internet data telecommunications network (the "Internet") or diplomatic channels.

9. The competent foreign authority shall send a letter of the audit approval and information and documents listed in Clause 6 hereof to the regulatory body by mail or e-mail via the Internet or diplomatic channels.

10. If within 30 days following the date on which the notice was given to the competent foreign authority no letter of the audit approval and information and documents listed in Clause 6 hereof are received or if the competent foreign authority provides a letter of refusal to approve the audit, the regulatory body shall decide against conducting the audit. Within 7 days of the date of such decision, a notice thereof shall be given to the competent foreign authority by one of the means stipulated by Clause 8 hereof.

11. Within 15 business days following the date on which the letter of the audit approval and information and documents listed in Clause 6 hereof are received from the competent foreign authority, having analyzed the above documents, the regulatory body shall make a positive decision on the audit and approval of the audit program and specify the form of the audit (an on-site or remote audit), and audit date and time or a negative decision on the audit as set out in Clause 12 hereof.

A positive decision on the audit attached with the audit program with respect to every foreign laboratory shall be formalized through an order of the regulatory body (the "order") signed by the head of the regulatory body (its designated substitute). A copy of the order shall be sent to the competent foreign authority and the foreign laboratory within 7 days from the date of signing thereof by one of the means stipulated by Clause 8 of these Rules.

12. The regulatory body shall make a negative decision on audit of the foreign laboratory upon the application and (or) the grounds therefor specified in Sub-Clauses b) - f) of Clause 4 hereof:

if the competent foreign authority provides inaccurate and (or) incomplete information and documents under Clause 6 hereof;

in the event of force majeure circumstances in the Russian Federation and (or) a foreign state due to fires, natural disasters, epidemics, and pandemics which make it impossible for the regulatory body to conduct the audit, except when a remote audit is possible.

A negative decision of the regulatory body setting out reasons therefor shall be sent to the competent foreign authority by one of the means stipulated by Clause 8 of these Rules.

13. The audit period shall be determined based on the scope of foreign laboratory's accreditation and the audit program but may not exceed 15 business days from the date of the audit commencement established as provided for by Clause 11 hereof.

14. The audit shall include review of the information and documents listed in Clause 6 hereof for compliance with the general requirements set out in Sub-Clause a) Clause 17 hereof, as well as auditing of the agricultural seed testing processes in a foreign laboratory that are covered by Sub-Clause b) Clause 17 hereof subject to the approved program audit. An on-site audit shall be conducted straight in the foreign laboratory.

15. Officials of the regulatory body authorized to conduct the audit (including technical experts, if necessary) (the "audit team"), inter alia the audit team leader, shall be designated through an order.

16. A remote audit shall be conducted in the following events:

a) in the event of circumstances listed in the third paragraph of Clause 12 hereof;

b) a foreign laboratory was audited not more than 1 year ago and agricultural seeds tested by such foreign laboratory were imported to the Russian Federation with no violations found during the specified period;

c) in case a foreign state or the Russian Federation impose an agricultural seeds import or export ban;

d) in case of import, export or sanitary restrictions.

17. The foreign laboratory is audited against a checklist in the form attached hereto as Annex 2 and subject to the information provided by Annex 1 hereto with the following milestones:

a) audit for compliance of the foreign laboratory with general competence criteria:

compliance with impartiality requirements;

compliance with confidentiality requirements;

compliance with resource requirements;

compliance with facilities and environmental requirements;

compliance with equipment requirements;

compliance with selection, verification and validation of methods requirements;

compliance with requirements for handling of test (samples) and (or) calibration (standards) items;

compliance with requirements for technical records;

compliance with requirements for ensuring the validity of results;

compliance with requirements for reporting of results;

b) audit of foreign laboratory's agricultural seed testing processes;

control of foreign laboratory's agricultural seed sampling processes;

control of foreign laboratory's agricultural seed sowing (planting) test processes;

control of foreign laboratory's agricultural seed varietal test processes;

control of foreign laboratory's test processes for genetically modified organisms in agricultural seeds and seed (planting) material;

c) evaluation of agricultural seed research methods (tests).

18. In a remote audit, the information and documents listed in Clause 6 hereof shall be reviewed for compliance with the general requirements set out in Sub-Clause a) Clause 17 hereof and foreign laboratory's agricultural seed testing processes covered by Sub-Clause b) Clause 17 hereof shall be audited to the extent that the audit team is provided with them 15 days prior to the audit commencement date. These information and documents may be provided via electronic means. In case of the remote audit, the information and documents shall be demonstrated in real time using video conferencing (including photographic, audio or video recording).

19. Within 7 business days of the audit completion date, the regulatory body shall make a report to be signed by the audit team leader and members, which shall contain the following information (the "audit report"):

a) on the documents listed in Clause 6 hereof that were provided for review;

b) on facilities audited (inspected) and their condition;

c) the checklist for auditing foreign agricultural seed testing laboratories attached hereto as Annex 2;

d) conclusion on acknowledgement (negative acknowledgement) of foreign laboratory's competence, methods and research results.

20. Within 7 days following the signing date of the audit report, the regulatory body shall send a copy of it by mail or e-mail via the Internet to the competent foreign authority and the audited foreign laboratory.

21. The decision on acknowledgement of foreign laboratory's competence (incompetence), methods and research results shall be drawn up within 5 business days following the date of the audit report, signed by the head of the regulatory body (a designated substitute) and published on the regulatory body's official website on the Internet.

As agreed by the regulatory body and the competent foreign authority, the audit report shall be published by the competent foreign authority on its official website on the Internet.

22. Upon expiry of 3 years from the date of the latest audit, a foreign laboratory shall be listed in the foreign laboratory audit plan.

The foreign laboratory audit plan for the next calendar year shall be approved by the head of the regulatory body no later than 1 November of the current year. No later than 15 business days following the approval, the regulatory

body shall notify thereof competent foreign authorities whose foreign laboratories are included in the foreign laboratory audit plan, and publish the foreign laboratory audit plan on the regulatory body's official website on the Internet.

23. Audit of laboratories listed in the foreign laboratory audit plan shall be agreed upon with the competent foreign authority as set out in Clauses 5-11 hereof.

24. The audit shall be conducted every 3 years. It may be conducted more often if the regulatory body receives an application and (or) information listed in Sub-Clauses b), c) and e) Clause 4 hereof.

ANNEX No. 1
to Rules for Auditing Foreign Agricultural Seed
Testing Laboratories Aimed at
Evidencing Competence of Such
Laboratories, Methods
and Results of Research,
and the Audit
Frequency
(form)

INFORMATION
on competent foreign authorities and foreign agricultural seed testing laboratories
accredited by accreditation bodies who signed
mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC)
and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the
Federal Accreditation Service is a party

No.	Foreign state	Competent foreign authority whose foreign agricultural seed testing laboratory is accredited by accreditation bodies that signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory")	Foreign laboratory	Foreign laboratory's form of incorporation (public or private)	Foreign laboratory's mail address	Foreign laboratory's operating address	Foreign laboratory's scope of accreditation	Details (number, date of issue) of the document evidencing the scope of foreign laboratory's accreditation	Validity period of the scope of foreign laboratory's accreditation	Name and (mail and operating) address of the competent authority that issued the accreditation document to the foreign laboratory	Valid Internet link to the foreign laboratory's accreditation document (if any)	Foreign laboratory's accreditation by accreditation bodies that signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party
1	2	3	4	5	6	7	8	9	10	11	12	13

ANNEX No. 2

to Rules for Auditing Foreign Agricultural Seed
Testing Laboratories Aimed at
Evidencing Competence of Such
Laboratories, Methods
and Results of Research,
and the Audit
Frequency

(form)

CHECKLIST

**for auditing foreign agricultural seed testing laboratories
accredited by accreditation bodies who signed mutual recognition agreements of the
International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific
Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party**

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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1. Audit of foreign laboratory's compliance with general competence criteria
- 1.1. Compliance with impartiality requirements as provided by the quality management system or a foreign laboratory's similar document

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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- 1.2. Compliance with confidentiality requirements as provided by the quality management system or a foreign laboratory's similar document
- 1.3. Compliance with resource requirements:
 - 1.3.1. the foreign laboratory has qualified staff with industry-specific education background, facilities, equipment, systems and auxiliary materials necessary for agricultural seed testing
- 1.4. Compliance with facilities and environmental requirements:
 - 1.4.1. foreign laboratory's facilities meet requirements of applicable measurement methods
 - 1.4.2. environmental conditions meet requirements of applicable measurement methods
- 1.5. Compliance with equipment requirements:
 - 1.5.1. the foreign laboratory has necessary measurement equipment. The equipment is in good repair
 - 1.5.2. the foreign laboratory has documented records on status of the equipment that may affect laboratory activities. These records include (if applicable):
 - a) equipment identification (including software version)
 - b) manufacturer's name, type identification, serial number or other unique identifications
 - c) document evidencing calibration of equipment
 - d) current location of equipment
 - e) dates and results of calibrations, adjustments, acceptance criteria and the scheduled date for the next calibration or calibration interval
 - f) documentation on standard samples, results, acceptance criteria, relevant dates and service life dates
 - g) maintenance plan and information on maintenance performed to date (if essential for operation of equipment)
 - h) detailed information on any equipment damages, malfunctions, modifications or repairs after the date of the latest calibration or maintenance of such equipment
- 1.6. Compliance with requirements for the purposes of methods selection, verification and validation:

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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- 1.6.1. the foreign laboratory uses required methods and techniques for agricultural seed tests and for analysis of test results
- 1.6.2. all guidelines, procedures and associated documentation, such as instructions, standards, manuals and reference data related to laboratory tests, are maintained, disseminated to staff and available to them
- 1.6.3. the foreign laboratory keeps verification records
- 1.6.4. in case a developer changes methods, the foreign laboratory performs full verification again
- 1.6.5. the foreign laboratory performs validation for:
 - a) unconventional methods
 - b) foreign laboratory's own methods
 - c) standard methods used beyond their scope or somehow modified
 - d) all validations performed by the foreign laboratory have been to the extent necessary for the application or scope of application
- 1.7. Compliance with requirements for handling of test (samples) and (or) calibration (standards) items:
 - 1.7.1. the foreign laboratory has a procedure for transportation, receipt, handling, protection, storage, retention, and disposal or return of test or calibration items, including conditions necessary to ensure integrity of test or calibration items and protect foreign laboratory and customer interests
 - 1.7.2. compliance with the procedure rules out item degrading, contamination, loss or damage in the course of processing, transportation, storage and preparation for tests and (or) calibration
 - 1.7.3. foreign laboratory's staff is briefed on handling test items (verification of officials' signatures in foreign laboratory's documents)

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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- 1.7.4. the foreign laboratory has an unambiguous identification system for test and (or) calibration items and maintains it for as long as an item is in foreign laboratory's area of responsibility
- 1.7.5. the identification system ensures that no items will be mixed up physically or in records or other documents
- 1.7.6. the system takes into account, if necessary, segmentation of an item or a group of items and item relocation
- 1.8. Compliance with requirements for technical records:
- 1.8.1. technical records for each laboratory operation contain:
- a) results
 - b) report (test report)
 - в) primary measurement data (graphs, diagrams, tables, etc.)
- 1.8.2. technical records contain the date and information on foreign laboratory's staff responsible for each laboratory operation and for checking data and results
- 1.8.3. primary observations, data and calculations are documented as soon as they are received and are expressly related to a specific job
- 1.8.4. a foreign laboratory ensures traceability of changes in technical records to previous versions or primary observations.
- 1.8.5. primary and modified data and files are saved, including dates of changes and information on changes and persons responsible for the changes.
- 1.9. Compliance with requirements for ensuring the validity of results:
- 1.9.1. the foreign laboratory has a procedure for monitoring validity of results (the "validity monitoring") and a result management system (Shewhart charts)
- 1.9.2. the foreign laboratory develops and implements a validity monitoring plan (intra- and interlaboratory tests)
- 1.9.3. validity monitoring includes (in whole or in part) but is not limited to:
- a) the use of standard samples or quality control samples
 - b) the use of alternative equipment calibrated to ensure traceability of results

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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- c) functional testing of measuring and testing equipment
 - d) the use of reference and working standards with control charts, where applicable
 - e) interim checks of measuring equipment
 - f) repeated tests and calibrations using the same or different methods
 - g) repeated tests and calibrations of stored samples
 - h) correlation of results for different sample characteristics
 - i) analysis of received data
 - j) intralaboratory comparisons
 - k) coded sample testing
- 1.9.4. the foreign laboratory monitors its activities through comparing against results of other laboratories (the "comparative monitoring")
- 1.9.5. the comparative monitoring is scheduled and the foreign laboratory analyzes its results
- 1.9.6. the comparative monitoring includes but is not limited to:
- a) participation in proficiency tests
 - b) participation in interlaboratory comparisons other than proficiency assessment
- 1.9.7. validity monitoring and comparative monitoring data is analyzed and used by the foreign laboratory to manage laboratory activities and improve operation of the foreign laboratory
- 1.9.8. inaccurate results are not included in the report if the data analysis results go beyond predefined criteria
- 1.10. Compliance with requirements for reporting of results:
- 1.10.1. results provided by the foreign laboratory are accurate, clear, unambiguous, and objective

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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- 1.10.2. the foreign laboratory is responsible for all reported data, except for customer-provided data. For this purpose, the customer-provided data is clearly identified
- 1.10.3. the foreign laboratory's report includes a disclaimer statement where reliability of the results may be sensitive to customer-provided data.
- 1.10.4. if the foreign laboratory is not responsible for the sampling stage, its report makes it clear that the results are applicable only to the received samples
- 1.10.5. should the updated report be changed, amended or released, all data changes shall be shown clearly and, where appropriate, the report shall provide the basis for the changes
- 2. Audit of foreign laboratory's agricultural seed testing processes
 - 2.1. Control of foreign laboratory's agricultural seed sampling processes:
 - 2.1.1. the list of regulatory documents for sampling procedures
 - 2.1.2. documents evidencing qualifications of sampling specialists
 - 2.1.3. a set of documents for sampling:
 - a) an application for sampling
 - b) a sampling plan
 - c) a sampling report
 - 2.1.4. sampling equipment and tools in line with the scope of accreditation
 - 2.1.5. compliance with sampling logging requirements (optional)
 - 2.1.6. sample marking and sealing
 - 2.2. Control of foreign laboratory's agricultural seed sowing (planting) test processes:
 - 2.2.1. compliance with the methodology for agricultural seed purity and lot impurity testing
 - 2.2.2. compliance with the methodology for agricultural seed germination testing
 - 2.2.3. compliance with the methodology for agricultural seed moisture testing

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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- 2.2.4. compliance with the weighing methodology for 1000 agricultural seeds
- 2.2.5. compliance with the agricultural seed pest infestation methodology
- 2.2.6. the list of regulatory documents for agricultural seed sowing (planting) test methods
- 2.2.7. documents evidencing qualifications of agricultural seed sowing (planting) test specialists
- 2.2.8. compliance with logging requirements:
- a) verifications
 - b) attestations
 - c) calibrations
 - d) equipment maintenance
- 2.2.9. valid calibration and (or) attestation certificates for the equipment used
- 2.2.10. compliance with test logging requirements
- 2.2.11. compliance with the methodology for agricultural seed testing (real-time practical demonstration of methods at random)
- 2.2.12. temperature and relative humidity measurement sheet for the laboratory room and agricultural seed sample storage areas
- 2.2.13. compliance with agricultural seed sample storage logging requirements
- 2.3. Control of foreign laboratory's agricultural seed varietal testing processes:
- 2.3.1. regulatory documents for agricultural seed varietal testing methods within the foreign laboratory's scope of accreditation (approbation, laboratory testing (molecular genetic analysis, electrophoresis, etc.)
 - 2.3.2. documents evidencing qualifications of agricultural seed varietal testing specialists
 - 2.3.3. equipment used for agricultural seed varietal testing in line with the scope of accreditation

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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2.3.4. valid calibration and (or) attestation certificates for the equipment used

2.3.5. a set of documents for agricultural seed varietal testing:

- a) an application for testing
- b) an approbation plan
- c) a testing plan
- d) an approbation report
- e) a test report

2.4. Control of foreign laboratory's test processes for genetically modified organisms in agricultural seeds and seed (planting) material:

2.4.1. regulatory documents for foreign laboratory's test methods with respect to genetically modified organisms in agricultural seeds and seed (planting) material

2.4.2. documents evidencing qualifications of specialists testing genetically modified organisms in agricultural seeds and seed (planting) material

2.4.3. compliance with logging requirements:

- a) verifications
- b) attestations
- c) calibrations
- d) equipment maintenance

2.4.4. valid calibration and (or) attestation certificates for the equipment used

2.4.5. compliance with cleanliness level requirements to laboratory facilities for testing genetically modified organisms in seeds of agricultural plants and seed (planting) material

No.	Compliance with audit program for foreign agricultural seed testing laboratories accredited by accreditation bodies who signed mutual recognition agreements of the International Laboratory Accreditation Cooperation (ILAC) and (or) the Asia Pacific Accreditation Cooperation (APAC), to which the Federal Accreditation Service is a party (the "foreign laboratory"), for the purposes of evidencing competence of such laboratories, methods and results of research	Yes	No	Comments
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2.4.6. compliance with completion requirements to the laboratory room temperature and relative humidity measurement sheet for detection of genetically modified organisms

2.4.7. correct use of standards, master samples and reagents of appropriate grade, class and service life

STAMP HERE



MINISTRY OF JUSTICE OF THE RUSSIAN FEDERATION

REGISTERED

Registration No. 73660

dd. 01 June 2023

**MINISTRY OF AGRICULTURE
OF THE RUSSIAN FEDERATION**
(Russian Ministry of Agriculture)

DECREE

dated May 24, 2023

No. 527

Moscow

On approval of the Procedure for Imposing Temporary Restrictions on Agricultural Seed Imports into the Russian Federation and (or) Additional (Special) Requirements for Varietal and Sowing (Planting) Properties of Agricultural Seeds Imported into the Russian Federation

In accordance with Part 5 Article 27 of Federal Law No. 454-FZ dated December 30, 2021 On Seed Production and Sub-Clause 5.2.25(156) Clause 5 of the Regulations on the Ministry of Agriculture of the Russian Federation approved by Resolution of the Government of the Russian Federation No. 450 dated June 12, 2008, it is hereby o r d e r e d as follows:

1. To approve the annexed Procedure for **Imposing Temporary Restrictions on Agricultural Seed Imports into the Russian Federation and (or) Additional (Special) Requirements for Varietal and Sowing (Planting) Properties of Agricultural Seeds Imported into the Russian Federation.**

2. **This order shall come into force on September 1, 2023 and be valid through September 1, 2029.**

Acting Minister

<signed>

O.N. Lut

APPROVED

by Decree of the Russian Ministry of Agriculture
No. 527 dated May 24, 2023

PROCEDURE
for Imposing Temporary Restrictions on Agricultural
Seed Imports into the Russian Federation and (or)
Additional (Special) Requirements for Varietal
and Sowing (Planting) Properties of Agricultural
Seeds Imported into the Russian Federation

I. General provisions

1. This Procedure establishes the rules for imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation, the production of which is based in certain foreign states or groups of foreign states, their certain localities or in organizations located on their grounds and which are imported from such states.

2. Temporary restrictions on agricultural seed imports into the Russian Federation shall be imposed and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation from member States of the Eurasian Economic Union shall be established by the Federal Service for Veterinary and Phytosanitary Surveillance ¹(the "competent authority").

3. Temporary restrictions on agricultural seed imports into the Russian Federation shall be imposed and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation from member States of the Eurasian Economic Union shall be established as provided for by "laws of the Eurasian Economic Union" ²(the "imported seeds").

¹ Part 1 Article 27 of Federal Law No. 454-FZ dated December 30, 2021 On Seed Production

² Part 1 Article 27 of Federal Law No. 454-FZ dated December 30, 2021 On Seed Production.

4. Temporary restrictions shall not apply to agricultural seed imports into the Russian Federation from a foreign state for the purposes of testing and R&D works.

II. Grounds for imposing temporary restrictions and (or) additional (special) requirements

5. The decision on imposing temporary restrictions on agricultural seed imports into the Russian Federation shall be taken by the competent authority in case it receives information about production on the entire territory of a foreign state or a part thereof, on territories of groups of foreign states, or certain localities therein (the "territories of a foreign state") or in organizations located on their grounds (the "organizations") of genetically modified agricultural plants that pose a threat to biological security of the Russian Federation.

The information set out in the first paragraph of this clause can be obtained through:

- a) official letters of a competent state seed production regulator of a foreign state (the "competent foreign authority") to the competent authority;
- b) official letters of government bodies of the Russian Federation to the competent authority;
- c) findings of the federal government seed production control (supervision) (the "government control")³ received by the competent authority;
- d) discovery thereof by the competent authority on official websites of the competent foreign authority and (or) a government body of the Russian Federation, when it remains relevant for at least 30 business days from the date of publication on such websites.

6. A decision on additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall be taken by the competent authority in the event, having completed the government control procedure, it finds 3 or more incompliances of seeds to be imported (imported) of one and the same organization or from one and the same territory of a foreign state with the requirements for varietal and sowing (planting) properties of agricultural seeds⁴ within 1 year from the date of such first finding.

7. The competent authority shall make decisions on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation in events listed in Clauses 5 and 6 hereof.

³ Resolution of the Government of the Russian Federation No. 1758 dated October 3, 2022 On Approval of the Regulations for Federal Government Seed Production Control (Supervision) with respect to Agricultural Seeds and Repeal of Some Acts of the Government of the Russian Federation, Resolution of the Government of the Russian Federation No. 532 dated April 3, 2023 On Approval of the Rules for Federal Government Seed Production Control (Supervision) with respect to Agricultural Seeds at Border Inspection Posts of the Russian Federation in the Event Agricultural Seeds are Imported into the Russian Federation from Foreign Non-Member States of the Eurasian Economic Union and on Amendments to the Rules for Russian Border Control of Persons, Vehicles, Cargos, Goods and Animals".

⁴ Part 2 Article 13 of Federal Law No. 454-FZ dated December 30, 2021 On Seed Production.

III. Decision-making on imposing temporary restrictions and (or) additional (special) requirements

8. A decision on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall be made by the competent authority with account for findings of the seed production risk analysis⁵.

9. The decision on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall contain the following:
reasons for imposing thereof;
duration of such restrictions and (or) additional (special) requirements;
the effective date of the decision.

A decision on imposing temporary restrictions may be made for an indefinite period in case of any information about production on the entire territory of a foreign state or a part thereof, on territories of groups of foreign states, or certain localities therein or in organizations located on their grounds of genetically modified agricultural plants that pose a threat to biological security of the Russian Federation up until the reasons for imposing temporary restrictions and (or) additional special requirements are eliminated.

10. The date of imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall be set by the competent authority no earlier than the business day following the date of the decision on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation and no later than 5 business days from the date of such decision.

11. The time frame for a decision on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall be no more than 30 calendar days from the date on which the competent authority finds the grounds specified in Clauses 5 and 6 hereof in the course of:

- a) control and supervisory actions the competent authority takes within the framework of the government control procedure ³ in case of agricultural seed imports to the Russian Federation from foreign non-member states of the Eurasian Economic Union ²;
- b) control and supervisory actions the competent authority takes within the framework of the government control procedure;

⁵ Clause 2 Part 2 Article 26 of Federal Law No. 454-FZ dated December 30, 2021 On Seed Production and Resolution of the Government of the Russian Federation No. 147 dated February 1, 2023 On Approval of the Rules for Risk Analysis in Agricultural Seed Production.

c) testing varietal and sowing (planting) properties of agricultural seeds by government institutions subordinate to a federal executive body who shape national policy and provide regulatory framework in agricultural seed production or by a legal entity or an individual entrepreneur accredited in the national accreditation system in accordance with accreditation laws of the Russian Federation as a testing laboratory and (or) an inspection body in the designated area⁶, including through agricultural seed (planting) approbation⁷;

d) interaction with competent foreign authorities upon receipt of the information specified in Clauses 5 and 6 hereof via diplomatic channels or e-mail using addresses published on official Internet websites of relevant international and national organizations of foreign states.

12. The decision on lifting temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation that were imposed for an indefinite period shall be taken no later than 30 calendar days from the date on which the competent foreign authority informs the competent authority that the reasons for such temporary restrictions and (or) additional (special) requirements have been eliminated.

13. The decision on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall be terminated early no later than 30 calendar days from the date on which the competent authority receives and (or) discovers information that the reasons on which the decision on imposing temporary restrictions and (or) additional (special) requirements under Clauses 5 and 6 hereof was based have been eliminated.

14. Decisions on imposition and repeal, including early repeal, of temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation shall be taken by the competent authority.

IV. Informing stakeholder federal executive authorities,
foreign government bodies, foreign international and national
organizations, and parties involved in foreign trade
of imposing temporary restrictions and (or)
additional (special) requirements

15. Using departmental software tools for interdepartmental electronic document flow, the competent authority shall send decisions on imposition and repeal, including early repeal, of temporary restrictions on agricultural seed imports into the Russian Federation and (or)

⁶ Part 2 Article 13 of Federal Law No. 454-FZ dated December 30, 2021 On Seed Production.

⁷ Article 14 of Federal Law No. 454-FZ of December 30, 2021 On Seed Production.

additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation to the Ministry of Agriculture of the Russian Federation on the date of a respective decision.

Using the interdepartmental electronic interaction system, the competent authority shall send such decisions to the Federal Customs Service on the date of such decisions⁸.

On the date of the decisions on imposing temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation, the competent authority shall inform stakeholder foreign international and national organizations about such decisions via diplomatic channels or e-mail addresses provided on official Internet websites of respective foreign international and national organizations.

16. In order to ensure open access to agricultural seed production information, the competent authority shall publish information about decisions on imposition and repeal, including early repeal, of temporary restrictions on agricultural seed imports into the Russian Federation and (or) additional (special) requirements for varietal and sowing (planting) properties of agricultural seeds imported into the Russian Federation on its official website on the date of such decisions.

<signed>

⁸ Resolution of the Government of the Russian Federation No. 697 dated September 8, 2010 On the Unified System of Interdepartmental Electronic Interaction.

Appendix to the Procedure for Imposing
Temporary Restrictions on Agricultural Seed
Imports into the Russian Federation and (or)
Additional (Special) Requirements for Varietal
and Sowing (Planting) Properties of Agricultural
Seeds Imported into the Russian Federation

**Additional (special) requirements for varietal and sowing (planting) properties of seeds
imported into the Russian Federation**

Agricultural crop	Seed category	Varietal purity, percentage	Seed purity, percentage	Germination, percentage
Field pea	Original	100	99.5-100	95-100
	Pedigreed (elite seeds)	100	99.5-100	95-100
	Reproduction (for seed purposes)	100	99-100	95-100
	Reproduction (for commercial production)	98-100	98-100	90-100
Buckwheat	Original	not tested	99.5-100	95-100
	Pedigreed (elite seeds)		99-100	95-100
	Reproduction (for seed purposes)		98.5-100	95-100
	Reproduction (for commercial production)		98-100	95-100

	production)			
Chick pea	Original	100	100	95-100
	Pedigreed (elite seeds)	100	100	95-100
	Reproduction (for seed purposes)	99.8-100	99-100	95-100
	Reproduction (for commercial production)	98-100	98.5-100	90-100
Spring oats	Original	99.9-100	99.5-100	95-100
	Pedigreed (elite seeds)	99.9-100	99.5-100	95-100
	Reproduction (for seed purposes)	99-100	99-100	95-100
	Reproduction (for commercial production)	98-100	98-100	90-100
Proso millet	Original	100	100	95-100
	Pedigreed (elite seeds)	100	99-100	95-100
	Reproduction (for seed purposes)	99.8-100	98.5-100	95-100
	Reproduction (for commercial production)	99.5-100	98.5-100	92-100
Soft winter wheat, soft spring wheat,	Original	100	100	95-100
	Pedigreed (elite seeds)	100	100	95-100

hard winter wheat, hard spring wheat	Reproduction (for seed purposes)	99.7-100	99-100	96-100
	Reproduction (for commercial production)	98-100	98-100	92-100
Rice	Original	100	100	95-100
	Pedigreed (elite seeds)	99.8-100	100	95-100
	Reproduction (for seed purposes)	99.5-100	99-100	95-100
	Reproduction (for commercial production)	98-100	98-100	90-100
Winter rye, spring rye	Original	not tested	100	95-100
	Pedigreed (elite seeds)		100	95-100
	Reproduction (for seed purposes)		99-100	95-100
	Reproduction (for commercial production)		98-100	92-100
Winter triticales, spring triticales	Original	100	100	95-100
	Pedigreed (elite seeds)	99.5-100	100	95-100
	Reproduction (for seed purposes)	99.2-100	99-100	95-100
	Reproduction (for commercial production)	98-100	98-100	90-100

	production)			
Lentil	Original	100	100	95-100
	Pedigreed (elite seeds)	100	100	95-100
	Reproduction (for seed purposes)	99.8-100	99-100	95-100
	Reproduction (for commercial production)	98-100	98.5-100	92-100
Winter barley, spring barley	Original	100	100	95-100
	Pedigreed (elite seeds)	100	100	95-100
	Reproduction (for seed purposes)	99-100	99-100	95-100
	Reproduction (for commercial production)	98-100	98-100	92-100
Corn	Original	100	100	95-100
	Pedigreed (elite seeds)	100	100	95-100
	Reproduction (for seed purposes)	99.5-100	99-100	96-100
	Reproduction (for commercial production)	99-100 (100 for varieties and hybrid flocks)	99-100	92-100
Corn parents	First generation	99.9-100 (varietal uniformity)	99.9-100	95-100

hybrid forms	second generation (for male parents)	99.9-100 (varietal uniformity)	99,9-100	95-100
Sunflower	Original	100	100	95-100
	Pedigreed (elite seeds)	100	100	95-100
	Reproduction (for seed purposes)	99.8-100	99-100	90-100
	Reproduction (for commercial production)	99.8-100	99-100	90-100
Sugar beet	Original:			
	harvested	98-100	98-100	85-100
	calibrated	99.5-100	99.5-100	90-100
	Pedigreed (elite seeds):			
	harvested	98-100	98-100	85-100
calibrated	99.5-100	99.5-100	90-100	
Components of sugar beet hybrids	A male sterile form of plants producing sterile pollen and used as a maternal component in crossbreeding (the "MS form"):			
	harvested	98-100	98-100	80-100
	calibrated	99-100	99-100	90-100
	Lines that, when crossed with the MS form, give progeny with sterile pollen:			
	harvested	98-100	98-100	80-100
	calibrated	99-100	99-100	90-100

	The line, one of the crossbreeding components for hybrid production, whose pollen is involved in fertilization:			
	harvested	98-100	98-100	90-100
	calibrated	99-100	99-100	95-100
Table beet	Original	99-100	not tested	
	Pedigreed (elite seeds)	95,3-100	97,3-100	85-100
	Reproduction (first generation)	93-100	98-100	85-100
	Reproduction (second and subsequent generations)		not tested	
Green bean	Original	100	not tested	
	Pedigreed (elite seeds)	100	100	93-100
	Reproduction (first and second generation)	99-100	99.5-100	93-100
	Reproduction (subsequent generations)		not tested	
Onion	Original	99-100	not tested	
	Pedigreed (elite seeds)	98-100	99.5-100	85-100
	Reproduction (first generation)	95-100	99.5-100	85-100
	Reproduction (second generation)		96-100	80-100

	Reproduction (subsequent generations)		not tested	
Carrot	Original	99-100	not tested	
	Pedigreed (elite seeds)	98-100	95,5-100	83-100
	Reproduction (first generation)	86-100	95,5-100	83-100
	Reproduction (second generation)		91,0-100	70-100
	Reproduction (subsequent generations)		not tested	
Tomato	Original	99,5-100	not tested	
	Pedigreed (elite seeds)	99-100	99,5-100	95-100
	Reproduction (first generation)	99-100	98-100	90-100
	Reproduction (subsequent generations)		not tested	
Sweet pepper	Original	100	not tested	
	Pedigreed (elite seeds)	100	100	93-100
	Reproduction (first generation)	99-100	99.5-100	90-100
	Reproduction (subsequent generations)		not tested	
Cucumber	Original	99,2-100	not tested	
	Pedigreed (elite seeds)	98,2-100	99.5-100	95-100

	Reproduction (first generation)	95-100	99.5-100	93-100
	Reproduction (second generation)		97-100	85-100
	Reproduction (subsequent generations)		not tested	
White cabbage	Original	99,5-100	not tested	
	Pedigreed (elite seeds)	98-100	98.5-100	95-100
	Reproduction (first generation)	95-100	96-100	90-100
	Reproduction (subsequent generations)		not tested	
Winter camelina, spring camelina	Original	99,8-100	98.5-100	90-100
	Pedigreed (elite seeds)	99,8-100	98.5-100	88-100
	Reproduction (for seed purposes)	not tested		
	Reproduction (for commercial production)	99-100	93-100	88-100
Hemp	Original	99,7-100	98.5-100	95-100
	Pedigreed (elite seeds)	99,2-100	98.5-100	95-100
	Reproduction (for seed purposes)	96-100	98-100	93-100
	Reproduction (for commercial)	96-100	98-100	83-100

	production)			
Blue poppy	Original	100	99.5-100	93-100
	Pedigreed (elite seeds)	100	99.5-100	93-100
	Reproduction (for seed purposes)	100	99-100	93-100
	Reproduction (for commercial production)	98-100	97-100	93-100
Oil flax	Original	99.8-100	98.5-100	93-100
	Pedigreed (elite seeds)	99.8-100	98.5-100	93-100
	Reproduction (for seed purposes)	99-100	98-100	90-100
	Reproduction (for commercial production)	99-100	99-100	85-100
Fiber flax	Original	100	99.5-100	95-100
	Pedigreed (elite seeds)	100	99.5-100	95-100
	Reproduction (for seed purposes)	96-100	99-100	90-100
	Reproduction (for commercial production)	93-100	98-100	90-100
Winter rape	Original	99.8-100	98.5-100	95-100
	Pedigreed (elite seeds)	99.8-100	98.5-100	95-100
	Reproduction	99-100	97-100	90-100

	(for seed purposes)			
	Reproduction (for commercial production)	99-100	97-100	90-100
Spring rape	Original	99.8-100	97.5-100	89-100
	Pedigreed (elite seeds)	99.8-100	97.5-100	89-100
	Reproduction (for seed purposes)	99-100	97-100	85-100
	Reproduction (for commercial production)	99-100	97-100	85-100
Soy	Original	99.7-100	98.5-100	90-100
	Pedigreed (elite seeds)	99.7-100	98.5-100	90-100
	Reproduction (for seed purposes)	99.5-100	97-100	87-100
	Reproduction (for commercial production)	99-100	96-100	87-100
Agricultural crop	Agricultural seeds varietal and sowing property factors	Seed category		
		Original	Pedigreed (elite seeds)	Reproduction
	Soil and foreign matter, percentage	1.5-2	1.5-2	1.5-2

Potatoes (tubers)	Tubers inadequate in size, percentage	2-3	2-3	2-3
	Tubers of other botanical varieties, percentage	0	0	0.2-0.5
	Ring-rot-infected tubers, percentage	0	0	0.2-0.5
	Stem nematode infected tubers, percentage	0	0	0.2-0.5
	Tubers with rust spots and pulp darkening (where more than 1/4 of tuber longitudinal cut is affected), percentage	2-5	2-5	2-5
	Tubers with more than 5 mm deep and more than 10 mm long mechanical damages (scratches, tear-outs, cracks, and bruising of tuber tissues), percentage	1-2	1-2	1-2

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