Text consolidated by Valsts valodas centrs (State Language Centre) with amending regulations of:

18 August 2009 [shall come into force on 22 August 2009];

13 July 2010 [shall come into force on 23 July 2010];

12 October 2010 [shall come into force on 16 October 2010];

13 August 2013 [shall come into force on 16 August 2013];

14 June 2016 [shall come into force on 18 June 2016];

4 December 2018 [shall come into force on 7 December 2018];

26 May 2020 [shall come into force on 1 June 2020];

1 February 2022 [shall come into force on 4 February 2022];

9 August 2022 [shall come into force on 12 August 2022].

If a whole or part of a paragraph has been amended, the date of the amending regulation appears in square brackets at the end of the paragraph. If a whole paragraph or sub-paragraph has been deleted, the date of the deletion appears in square brackets beside the deleted paragraph or sub-paragraph.

Republic of Latvia

Cabinet

Regulation No. 120

Adopted 13 February 2007

**Regulations Regarding the Growing and Marketing of Cereal Seed**

*Issued pursuant to*

*Section 2, Clause 1, Sub-paragraph “a” and Section 17, Paragraph five of the Seed and Variety Circulation Law*

[*13 July 2010; 13 August 2013*]

**I. General Provisions**

1. This Regulation prescribes the procedures for growing and marketing cereal seed, as well as the authority which controls importation of cereal seed from countries other than Member States of the European Union.

[*13 July 2010*]

2. This Regulation shall apply to the following seed of cereal species the growing of which is intended for agricultural production:

2.1. rye (*Secale cereale L.*);

2.2. soft wheat (*Triticum aestivum* L. *subsp. aestivum),*), durum wheat (*Triticum turgidum* L. subsp. *durum* (Desf.) van Slageren), and spelt wheat (*Triticum aestivum* L. subsp. *spelta* (L.) Thell.) (hereinafter together referred to as – the wheat);

2.3. barley (*Hordeum vulgare L*);

2.4. oats (*Avena sativa L.*), red oat (*Avena byzantina K.Koch*), bristle oat syn. black oat (*Avena strigosa Schreb.*), and hulless oat syn. small naked oat (*Avena nuda L.*) (hereinafter together referred to as – the oats);

2.5. hybrids resulting from the crossing of a species of the genus *Triticum* and a species of the genus *Secale* (*xTriticosecale Wittm. ex A. Camus*) (hereinafter – the triticale);

2.6. buckwheat (*Fagopyrum esculentum Moench*);

2.7. maize (*Zea mays L.* (partim)), except for the pop-corn and sweet corn.

[*13 July 2010; 4 December 2018; 1 February 2022; 9 August 2022*]

**II. Seed Categories**

3. Seed shall be categorised as follows:

3.1. breeder seed (BS);

3.2. pre-basic seed (PB);

3.3. basic seed (B);

3.4. certified seed (C).

4. Breeder seed (BS) is the quantity of seed which is obtained by completing one cycle laid down in the preservation scheme of the variety, and which ensures retention of the varietal characteristics for several generations. The breeder or the preserver of a variety shall obtain such seed according to the preservation scheme of the variety. Upon written request of the breeder or the preserver of a variety, the State Plant Protection Service shall carry out breeder seed (BS) field inspection or seed quality evaluation to determine the actual quality thereof in conformity with the indicators for the field inspection referred to in this Regulation for basic seed and seed quality indicators referred to for the determination of the basic seed quality.

[*13 July 2010*]

5. Pre-basic seed (PB) is seed that:

5.1. has been cultivated from breeder seed under the supervision of the breeder or the preserver of a variety following the generally accepted practice for the preservation of the variety;

5.2. is intended for the production of seed of the basic seed (B) and certified seed (C) categories;

5.3. in accordance with the Seed and Variety Circulation Law and this Regulation is recognised as conforming with the requirements laid down for pre-basic seed in field inspection and average seed sample quality conforms to the requirements laid down for basic seed;

5.4. is under the control of the State Plant Protection Service throughout the entire period of growing and processing the seed.

[*13 July 2010; 26 May 2020*]

6. Basic seed shall be divided into two generations:

6.1. the first generation pre-basic seed (PB1) obtained from breeder seed;

6.2. the second generation pre-basic seed (PB2) obtained from the first generation pre-basic seed or from breeder seed.

7. Basic seed (B) (except for hybrid seed of cereal species) is seed that:

7.1. is obtained from pre-basic seed or directly from breeder seed;

7.2. is cultivated under the supervision of the breeder or the preserver of a variety following the generally accepted practice for the preservation of the variety;

7.3. is intended for the production of seed of the certified seed (C) category;

7.4. in accordance with the Seed and Variety Circulation Law and this Regulation is recognised as conforming with the requirements laid down for basic seed;

7.5. is under the control of the State Plant Protection Service throughout the entire period of growing and processing the seed.

[*13 July 2010; 26 May 2020*]

8. Basic seed of hybrid varieties (B) (rye, wheat, oat, barley, and self-pollinating triticale) is seed that:

8.1. is intended for the production of hybrid seed;

8.2. in accordance with the Seed and Variety Circulation Law and this Regulation is recognised as conforming with the requirements laid down for basic seed;

8.3. is under the control of the State Plant Protection Service throughout the entire period of growing and processing the seed.

[*13 July 2010; 26 May 2020*]

9. Certified seed (C) (rye, as well as wheat, barley, oat, maize, buckwheat, and self-pollinating triticale hybrids) is seed that:

9.1. is obtained directly from basic seed (based on the wishes of a breeder or the representative of a variety, if there is no breeder –based on the wishes of the preserver of a variety, – also from seed of a higher category);

9.2. in accordance with the Seed and Variety Circulation Law and this Regulation is recognised as conforming with the requirements laid down for certified seed;

9.3. is not intended for seed production;

9.4. is under the control of the State Plant Protection Service throughout the entire period of growing and processing the seed.

[*13 July 2010; 26 May 2020*]

10. Certified wheat, barley, oat and triticale seed that is not hybrid shall have two generations:

10.1. the first generation certified seed (C1);

10.2. the second generation certified seed (C2).

11. The first generation certified seed (C1) (wheat, barley, oat and triticale that are not hybrids) is seed that:

11.1. is grown from basic seed (based on the wishes of a breeder or the representative of a variety, if there is no breeder – based on the wishes of the preserver of a variety, – also from seed of a higher category);

11.2. in accordance with the Seed and Variety Circulation Law and this Regulation is recognised as conforming with the requirements laid down for first generation certified seed;

11.3. is intended for the production of second generation certified seed or for other purposes;

11.4. is under the control of the State Plant Protection Service throughout the entire period of growing and processing the seed.

[*13 July 2010; 26 May 2020*]

12. The second generation certified seed (C2) (wheat, barley, oat and triticale that are not hybrids) is seed that:

12.1. is grown from first generation certified seed (based on the wishes of a breeder or the representative of a variety, if there is no breeder –based on the wishes of the preserver of a variety, – also from seed of a higher category);

12.2. in accordance with the Seed and Variety Circulation Law and this Regulation is recognised as conforming with the requirements laid down for second generation certified seed;

12.3. is not intended for further growing of seed;

12.4. is under the control of the State Plant Protection Service throughout the entire period of growing and processing the seed.

[*13 July 2010; 26 May 2020*]

**III. Requirements Prescribed for Seed Growing**

13. If a seed grower grows cereal seed of one or a number of species or varieties, or categories, he or she shall ensure that the seeds of various species or varieties, or categories do not mix.

[*13 July 2010*]

14. The following conditions shall be conformed to in relation to the placement of sowing fields for seed growing:

14.1. is not grown in the seed growing field two years before sowing the same variety, except for the same or higher category seeds of the same variety;

14.2. if the seed of a lower category of a certain variety has been sown in the field in the previous year, but the sowing field for the obtaining of the seed of a higher category of this variety has been applied for field inspection, the seed of the same category shall be obtained from the field which was obtained in the previous year.

[*26 May 2020*]

15. [14 June 2016]

16. Minimum distances between sowing fields of individual varieties are specified in Annex 1 to this Regulation.

17. The number of diseased plants permitted in seed growing fields is specified in Annex 2 to this Regulation.

18. A seed grower shall maintain the field history record, indicating the field placement diagram and information regarding the seed, fertiliser and plant protection means used in the specific field.

19. The State Plant Protection Service shall, in accordance with the requirements of the cereal schemes of the Organisation for Economic Co-operation and Development (OECD):

19.1. submit for inclusion in the list of varieties of the Organisation for Economic Co-operation and Development (OECD) only those varieties that are included in the Latvian Catalogue of Plant Varieties and conform to the requirements of the cereal schemes of the abovementioned organisation;

19.2. provide information regarding the preservers of the varieties to the authorities laid down in the cereal schemes of the Organisation for Economic Co-operation and Development (OECD);

19.3. co-operate with the preservers of the varieties;

19.4. conclude a written agreement with authorised authorities of other States for the propagation of seed in accordance with the cereal schemes of the Organisation for Economic Co-operation and Development (OECD) for the certification of the varieties for seed circulation in the international market;

19.5. deliver seed samples of Latvian original varieties to authorised authorities of other States for the performance of post-control;

19.6. deliver official descriptions of the varieties to be propagated, for hybrid varieties – also descriptions of the parent plant components, to the authorities laid down in the cereal schemes of the Organisation for Economic Co-operation and Development (OECD);

19.7. upon written request of the seed grower, perform seed certification in conformity with the requirements of the cereal schemes of the Organisation for Economic Co-operation and Development (OECD);

19.8. upon written request of the seed grower, issue a certificate and labels of the Organisation for Economic Co-operation and Development (OECD) if the cereal seed conforms with the requirements of the cereal schemes of the abovementioned organisation;

19.9. recognise the identity of the propagated seed.

[*13 July 2010*]

**IV. Field Inspection**

[13 July 2010; 14 June 2016]

20. Fields shall be inspected to assess the overall condition of the seed growing fields, their conformity with the requirements laid down in Chapter III of this Regulation, and to determine the varietal purity in accordance with the requirements specified in Annex 3 to this Regulation.

20.1 Seed growing fields within the meaning of Article 2(2)(a) of Commission Implementing Regulation (EU) 2019/2072 of 28 November 2019 establishing uniform conditions for the implementation of Regulation (EU) 2016/2031 of the European Parliament and Council, as regards preventive measures against pests of plants, and repealing Commission Regulation (EC) No 690/2008 and amending Commission Implementing Regulation (EU) 2018/2019, are practically free from pests that reduce the usefulness and quality of seed (hereinafter – practically free from pests).

[*26 May 2020*]

21. Inspection of fields shall be carried out by inspectors of the State Plant Protection Service (hereinafter – the inspectors of the Service).

22. The seed grower shall, each seed harvest year by 25 May, submit to the State Plant Protection Service the application for the inspection of seed growing fields (hereinafter – the application for field inspection) in accordance with Annex 4 to this Regulation. If the seed growing field has been applied for national support or European Union direct support, the seed grower shall:

22.1. submit the application for field inspection after submitting the application for support;

22.2. indicates the same information regarding the specific seed growing field in both applications.

[*26 May 2020*]

23. Upon accepting the application for field inspection, the inspector of the Service shall check whether:

23.1. all the necessary information specified in Annex 4 to this Regulation has been indicated in the application for field inspection;

23.2. the variety conforms to the requirements for seed certification referred to in the Seed and Variety Circulation Law;

23.3. the seed grower has a registered licence for the right to use the relevant protected variety in accordance with the Plant Varieties Protection Law;

23.4. [13 June 2016].

[*13 July 2010; 26 May 2020*]

24. Prior to the field inspection, the inspector of the Service shall acquaint himself or herself with documents attesting to the quality of the seed, with entries in the record of field history, with the morphological description of the relevant variety and the range of other relevant varieties of the species in the farm.

[*26 May 2020*]

25. If the requirements referred to in Paragraph 23 of this Regulation have not been complied with, the inspector of the Service shall, within three working days after the inspection of the requirements referred to in Paragraph 23 of this Regulation, inform in writing the seed grower thereof by indicating the deficiencies and requiring to eliminate them within seven working days.

[*13 July 2010*]

26. Quality of the sown seed shall be attested:

26.1. for the seed certified in Latvia:

26.1.1. a seed testing overview indicating that the seed lot conforms to the requirements for the relevant category laid down in this Regulation – if the seed has been obtained and is intended to be sown in the same seed growing farm;

26.1.2. if the seed has been procured from another seed grower – an official label of the seed packaging issued by State Plant Protection Service with the indication “European Union Legislation” or “EU Legislation” and a document that certifies the amount of procured seed;

26.2. for the sown breeder seed which has been sown by the preserver of the variety for further propagation – an authorisation of the breeder and preservation schemes of the variety;

26.3. for the seed certified in another European Union Member State, as well as Iceland and Norway – a packaging label of the seed material with an indication “European Union Legislation” and a document that certifies the amount of procured seed, as well as an official approval (a certificate) that an admixture of wild oats (*Avena fatua*) has not been found in one of the following cases:

26.3.1. during the field inspection and in the official one-kilogram seed sample;

26.3.2. in the official seed sample of three kilograms;

26.4. for the seed certified in the country referred to in the laws and regulations on seed equivalence from third countries – seed quality attesting documents and seed packaging label that conforms to the requirements referred to in the laws and regulations regarding seed equivalence from third countries, as well as an official approval (a certificate) that an admixture of wild oats (*Avena fatua*) has not been found in one of the following cases:

26.4.1. during the field inspection and in the official one-kilogram seed sample;

26.4.2. in the official seed sample of three kilograms;

26.5. for the seed certified in Switzerland and Liechtenstein – an official label of the seed package and document that attests for the quantity of the purchased seed, as well as an official approval (a certificate) that an admixture of wild oats (*Avena fatua)* has not been determined in one of the following cases:

26.5.1. during the field inspection and in the official one-kilogram seed sample;

26.5.2. in the official seed sample of three kilograms.

[*13 July 2010; 26 May 2020*]

27. The inspector of the Service shall take the decision to refuse a field inspection and shall declare the sowing field as inappropriate for seed growing already prior to the field inspection, informing the seed grower thereof in writing within three working days, if:

27.1. the deficiencies referred to in Paragraph 25 of this Regulation are not eliminated within the specified term;

27.2. there are no documents certifying the quality of the sown seed or they do not conform to the requirements specified in Paragraph 26 of this Regulation;

27.3. when checking the entries in the field history record, violations of Paragraph 14 of this Regulation or a non-conformity to the information indicated in the application for field inspection are found;

27.4. there is no field history record;

27.5. the application for field inspection has been submitted after the term specified in Paragraph 22 of this Regulation and plants have reached such a phenological development stage when it is no longer possible to find the different morphological features of the varieties.

28. Field inspection shall be carried out at least once during the vegetation period at such a developmental stage of the sown plants when the morphological features of the variety are most readily visible and the varietal purity can be found most accurately, and when disease-infected plants can be determined. The time and number of the field inspection in each specific case shall be determined by the inspector of the Service subject to a prior agreement with the seed grower on the most suitable time for the field inspection and taking into account Sub-Paragraph 28.12 of this Regulation. The amount of infected plants may be assessed in another time of field inspection.

[*26 May 2020*]

28.1 The seed grower shall:

28.11. provide information to the inspector of the Service regarding the plant protection products and fertilisers used in the sowing fields and their time of application;

28.12. agree with the inspector of the Service on the time of the field inspection, taking into account the implemented and planned sowing field processing with plant protection products and fertilisers;

28.13. provide the inspector of the Service with access to the seed growing field and demonstrate the actual location of the seed growing field.

[*26 May 2020*]

28.2 The inspector of the Service may refuse to inspect the field if the seed grower fails to fulfil the requirements of Paragraph 28.1 of this Regulation.

[*26 May 2020*]

29. Upon commencing the field inspection, the inspector of the Service shall check the minimum distances between the separate varieties and:

29.1. if the minimum distances referred to in Annex 1 to this Regulation have not been maintained, the inspector of Service shall warn of their need and may advise the seed grower to mow the area. The seed grower may apply repeatedly for the field inspection after the creation of minimum distance zones;

29.2. if the minimum distance zones cannot be created, the areas that are located in this zone shall be declared as inappropriate for seed growing;

29.3. shall issue the cereal seed growing field inspection protocol (hereinafter – the protocol of field inspection) in accordance with Annex 5 to this Regulation only after he or she has ascertained that the areas that are located in the minimum distance zones have been harvested separately. An entry thereon shall be made in the field inspection protocol.

[*26 May 2020*]

30. During the field inspection, the inspector of the Service shall ascertain the identity of the variety in the sowing field (its conformity to the official description of the variety). If the identity of the variety does not conform to the name of the applied variety, the inspector of the Service shall declare the sowing field as inappropriate for seed growing. The harvest obtained shall not be included in further seed evaluation.

31. During the field inspection, the inspector of the Service shall determine the following in the sowing field:

31.1. in the sowing fields of oat, barley, wheat, and self-pollinating triticale (except for hybrids):

31.1.1. the density of a sowing field (number of the ears of plants per 1 hectare);

31.1.2. the number of the ears of plants, non-conforming with the variety per 200 m2, characterising the features thereof according to the official description of the variety;

31.1.3. the number of plants infected with loose smut (*Ustilago avenae, Ustilago nuda, Ustilago tritici*) per 200 m2;

31.1.4. the number of plants of other cereal species per 200 m2;

31.1.5. the number of plants infected with stinking smut (*Ustilago kolleri, Ustilago hordei, Tilletia caries*) per 200 m2;

31.1.6. [26 May 2020];

31.1.7. the number of plants infected with stem smut (*Urocystis occulta*) per 200 m2 – only to triticale;

31.2. in the sowing fields of rye, buckwheat and foreign pollination triticale (except for hybrids):

31.2.1. the number of plants non-conforming with the variety per 200 m2, characterising the features thereof according to the official description of the variety;

31.2.2. the number of plants of other cereal species per 200 m2;

31.2.3. the number of plants infected with stem smut (*Urocystis occulta*) (except for buckwheat) per 200 m2;

31.2.4. [26 May 2020];

31.2.5. the number of plants infected with loose smut (*Ustilago tritici*) per 200 m2 – only to triticale;

31.2.6. the number of plants infected with stinking smut (*Tilletia caries*) per 200 m2 – only to triticale.

[*13 July 2010; 14 June 2016; 4 December 2018*]

32. Inspection of a field the size of which does not exceed 10 ha, shall be carried out in at least 10 places, inspecting 1 x 20 m size rectangles (20 m2) in the places characteristic of a sowing field, perpendicularly to the direction of sowing. The number of the fields to be inspected per each following 5 ha shall be increased by one, but not by more than 20.

33. Sowing fields shall not be in conformity with the requirements of varietal purity, if:

33.1. the number of plants non-conforming with the variety per 200 m2 in the sowing fields of oat, barley, rye and self-pollinating triticale (except for hybrids), depending on the number of plants per one hectare exceeds that indicated in Annex 6 to this Regulation;

33.2. the number of plants non-conforming with the variety per 200 m2 in the sowing fields of rye, foreign pollination triticale and buckwheat exceeds the one indicated in Annex 7 to this Regulation.

[*13 July 2010*]

34. Wild oats (*Avena fatua, Avena sterilis*) shall not be permissible in the field of cereal seed growing field.

[*13 July 2010*]

35. If wild oats (*Avena fatua, Avena sterilis*) are found in the seed growing field, the inspector of the Service shall, on the same day, draw up a written instruction to the seed grower to weed them out or to harvest a separate part of the field with the referred to plant colonies for another use other than seed production. After the end of the term for executing the instruction, however not later than five days after the previous inspection, a repeated field inspection shall be carried out.

[*13 July 2010*]

36. If, in conducting an inspection of a field or of documentation on the sown seed, a violation of this Regulation is established or non-conformity of the sowing field to the category of seed to be evaluated is established, the inspector of the Service shall reduce the category of seed to the conforming category, taking into account the procedures for the acquisition of a seed category provided for in this Regulation. If elimination of the deficiencies is possible, inspection of the field shall be repeated pursuant to the instructions of the inspector of the Service being executed, but not later than five days after the previous inspection of the field.

37. If the sowing field does not conform to the requirements specified in Chapter III of this Regulation and with the requirements specified for varietal purity, the inspector of the Service shall declare the sowing field as inappropriate for seed growing. The harvest obtained shall not be included in further seed evaluation.

38. If, during the field inspection, it has been found that the sowing field is in conformity with the requirements of this Regulation, the inspector of the Service shall take the decision on the non-conformity thereof for the acquisition of the relevant seed category.

38.1 If, after fulfilment of the requirements for a field inspection laid down in Paragraphs 13 and 14 and this Chapter of this Regulation, there is still doubt as to the varietal identity of the seed, the State Plant Protection Service may use, for the examination of that identity, an internationally recognised and reproducible biochemical or molecular technique in accordance with the applicable international standards.

[*9 August 2022 / Paragraph shall come into force on 1 September 2022. See Paragraph 2 of the amendments*]

39. Within three working days after the last field inspection or receipt of the results of the examination of the varietal identity of the seed referred to in Paragraph 38.1, the inspector of the Service shall, on the basis of the results of the field inspection or laboratory analyses, take the decision on the conformity of the variety sowing fields for the obtaining of seed, and also shall prepare and issue the cereal seed growing field inspection protocol to the seed grower.

[*9 August 2022 / The new wording of Paragraph shall come into force on 1 September 2022. See Paragraph 2 of Amendments*]

40. [13 July 2010]

41. [14 June 2016]

42. [14 June 2016]

43. [14 June 2016]

44. [14 June 2016]

45. [14 June 2016]

46. [14 June 2016]

47. [13 July 2010]

**V. Seed Quality Testing**

48. The person registered in the Seed Grower and Seed Trader Register of the State Information System for Monitoring of Agricultural Plants (hereinafter – the Register) shall submit to the State Plant Protection Service the application for the taking of an average seed sample, performance of analyses and making of official labels in accordance with Annex 10 to this Regulation.

[*13 July 2010; 13 August 2013*]

49. Seed samples shall be taken by the inspector of the Service who has acquired the qualification of the seed sample taker of the State Plant Protection Service or the qualification of the taker of seed samples of the International Seed Testing Association (ISTA).

49.1 The seed grower has an obligation to ensure such conditions to the inspector of the Service which are appropriate for taking the seed sample referred to in Paragraph 50 of this Regulation, including a well-lighted room and a clean working surface so that the conformity of the seed sample with the seed lot would not be affected during preparation of the seed sample.

[*4 December 2018*]

50. The inspector of the Service shall take a sample from each prepared homogeneous seed lot for the evaluation of seed quality.

[*13 July 2010*]

50.1 The following indicates on non-uniformity of seed lot:

50.1 1. different seed lot packaging material or type;

50.1 2. different packaging size in seed lot;

50.1 3. different marking and labels or different information on labels;

50.1 4. different stamp types;

50.1 5. seed treatment of different types in packaging;

50.1 6. visual differences of seed in different packaging;

50.1 7. different admixtures in different packaging.

[*13 July 2010*]

50.2 If any of the indications referred to in Sub-paragraph 50.1 1, 50.1 2, 50.1 3, 50.1 4 or 50.1 5 of this Regulation have been determined, the inspector of the Service shall take a sample only in case a registered person separates different packaging in a separate lot.

[*13 July 2010*]

50.3 If any of the indicators referred to in Sub-paragraph 50.1 6 or 50.1 7 of this Regulation have been determined, a person registered with the Register has the right to carry out one of the following actions:

50.3 1. to divide seed lot into several separate lots according to any different seed feature (if it is possible);

50.3 2. to submit an application to the State Plant Protection Service for the need to analyse the non-uniformity of the seed lot in respect of purity, germination power, and other content of plant seed in conformity with the rules of the International Seed Testing Association (ISTA) (the methods and procedures are available on the website of the State Plant Protection Service);

50.3 3. to withdraw a submission regarding average seed sample taking, performance of analysis and manufacturing of labels in order to implement measures (for example, seed lot mixing) for the prevention of non-uniformity of the seed lot to be examined.

[*13 July 2010; 1 February 2022*]

50.4 If in performing the analysis referred to in Sub-paragraph 50.3 2 of this Regulation it is established that a seed lot is not sufficiently uniform and does not conform to the rules of the International Seed Testing Association (ISTA), the inspector of the Service shall not carry out evaluation of the seed lot.

[*13 July 2010*]

50.5 When preparing the seed, if a sample is taken using sample taking devices which take samples from the seed flow automatically at determined time intervals (automatic sampler), sample taking shall be carried out in accordance with the procedures laid down in the rules of the International Seed Testing Association (ISTA).

[*13 August 2013*]

51. Mass of a seed lot from which an average sample is taken shall not be more than:

51.1. 30 000 kg – for rye, wheat, barley, oats and triticale;

51.2. 10 000 kg – for buckwheat;

51.3. 40 000 kg – for maize.

52. The determined maximum mass of a seed lot shall not be exceeded by more than five per cent. If the mass of a seed lot exceeds the maximum mass of a lot indicated in Paragraph 51 of this Regulation, it shall be divided into several seed lots.

[*1 February 2022*]

53. An average sample shall be taken from a seed lot of the species referred to in Paragraph 2 of this Regulation, except for buckwheat the sample mass of which is not less than 2300 g and it shall be used as follows:

53.1. for determining seed quality characteristics – 1000 g;

53.2. for the post-control of seed – 1000 g;

53.3. for determining seed moisture content and pest invasion – 300 g by placing in a hermetically sealed container – only if the seed has not been processed with biocontrol agents, plant protection products, or other chemicals.

[*26 May 2020; 9 August 2022*]

54. The mass of an average sample shall not be less than 1500 g, and shall be used as follows:

54.1. for determining seed quality characteristics – 600 g;

54.2. for the post-control of seed – 600 g;

54.3. for determining seed moisture content and pest invasion – 300 g by placing in a hermetically sealed container – only if the seed has not been processed with biocontrol agents, plant protection products, or other chemical substances.

[*26 May 2020; 9 August 2022*]

55. After determination of quality indicators, seed samples shall be stored for at least one year by the State Plant Protection Service. The remaining portion of the post-control seed sample shall be stored long enough to fully ensure testing of the sample.

56. Seed quality indicators that include seed germination power, purity and content of the seed admixture of other species are indicated in Annex 11 to this Regulation. Admixture content of sclerotia (*Claviceps purpurea*) and stinking smut (*Tilletia caries*) is determined in Annex 12 to this Regulation.

[*13 July 2010*]

57. If the seeds have not been processed with biocontrol agents, plant protection products or other chemical substances, in addition to the indicators referred to in Paragraph 56 of this Regulation, the following shall be determined in the seed sample:

57.1. moisture content in the seed;

57.2. presence of live grain mites or other live seed pests which damage the seeds during their storage – only if the person registered in the Register has indicated in the application referred to in Paragraph 48 of this Regulation that he or she wishes this indicator to be determined.

[*4 December 2018; 26 May 2020; 1 February 2022*]

58. If germination power of pre-basic (PB) category or basic (B) category, or for buckwheat – pre-basic (PB) category, basic (B) category or certified (C) category seed lots determined during seed quality testing does not conform to the minimum seed germination power referred to in Annex 11 to this Regulation, the registered person may submit an application to the State Plant Protection Service in accordance with Annex 13 to this Regulation for certification and marketing of seed with reduced germination power.

[*4 December 2018*]

58.1 [4 December 2019]

58.2 If germination power of the seed of pre-basic (PB) category or basic (B) category, or for buckwheat – pre-basic (PB) category, basic (B) category or certified (C) category seed lots is up to 10 per cent lower than the minimum seed germination power for the particular variety referred to in Annex 11 to this Regulation, the State Plant Protection Service shall issue the seed testing report to the registered person within 10 working days after receipt of the application in accordance with Paragraph 92 of this Regulation. The seed testing report shall include additional indication regarding reduced germination power.

[*4 December 2018; 26 May 2020*]

58.3 If germination power of the seed of pre-basic (PB) category or basic (B) category, or for buckwheat – pre-basic (PB) category, basic (B) category or certified (C) category seed lots is by more than 10 per cent lower than the minimum seed germination power referred to in Annex 11 to this Regulation, the State Plant Protection Service shall take the decision whereby it is allowed to certify seeds with reduced germination power in accordance with the procedures laid down in Paragraph 61 of this Regulation.

[*4 December 2018; 26 May 2020*]

59. The State Plant Protection Service shall collect the applications referred to in Paragraph 58 of this Regulation for summer crop forms each year by 20 April and for winter crop forms by 1 September and shall inform the National Plant Variety Council, indicating the total number of applications according to varieties and species, number of lots, total amount of seed, and the determined germination power.

[*9 August 2022*]

60. The National Plant Variety Council shall, within five working days after receipt of the information referred to in Paragraph 59 of this Regulation, evaluate the provision of the relevant variety seed in the Latvian market and shall submit proposals to the State Plant Protection Service regarding the lowest possible germination power when it is allowed to certify and market seed.

[*4 December 2018*]

61. The State Plant Protection Service shall, within five working days after receipt of proposals from the National Plant Variety Council, take the decision whereby it is allowed to certify and market seeds with reduced germination power and shall, within three working days, inform thereon the registered person referred to in Paragraph 58 of this Regulation.

[*4 December 2018*]

62. [13 July 2010]

63. If the State Plant Protection Service has taken the decision whereby seed with reduced germination power is allowed to be certified and marketed:

63.1. the seed testing report shall be issued to the registered person in accordance with Paragraph 92 of this Regulation. The seed testing report shall include additional indication regarding reduced germination power;

63.2. it shall indicate additionally the actual seed germination power on the official label of seed category package, as well as the given name, surname of the trader (for a legal person – firm name) and address;

63.3. a registered person shall market seed with reduced germination power complying with the requirements of this Regulation.

[*13 July 2010; 4 December 2018; 26 May 2020*]

**VI. Packaging of Seed**

[*26 May 2020*]

64. A seed packer shall seal the seed package or repack them under the supervision of the State Plant Protection Service inspector.

[*26 May 2020*]

65. A seed packer shall select package material so as:

65.1. to ensure preservation of the seed quality and mass, and also prevent mixing of the seed;

65.2. the package could not be opened without visible signs of damage to the official label or package.

[*26 May 2020*]

66. A seed grower, seed processor, packer or trader shall place the seed lot for sampling so as to provide free and safe access to any package unit, without endangering life or health, and make it possible to take a sample.

[*26 May 2020*]

66.1 In the event of failure to ensure conformity with the requirements laid out in Paragraph 66 of this Regulation, the inspector of the Service referred to in Paragraph 49 of this Regulation may refuse sampling.

[*26 May 2020*]

66.2 Rye, wheat, barley, oat, triticale and buckwheat certified (C) seed may be packed in small packages the seed mass in which does not exceed 1000 grams.

[*26 May 2020*]

**VII. Labelling of Seed Packages with Official Labels**

67. Seed package labels shall be strictly controlled by the State Plant Protection Service. The minimum dimensions of official labels shall be 110 x 67 millimetres. The colour thereof shall be stipulated by Annex 14 to this Regulation. Labels may be with a hole for a string, stick-on or for sewing on.

[*13 August 2013*]

68. When sealing a seed package, an official label shall be attached externally and the information provided on it shall conform to the content specified in Annex 15 to this Regulation. If stick-on or non-tear labels or seals are not used, a document (Annex 15) in the colour of the label shall be inserted in the package. The typographic presentation of the document shall differ from the label so that they may not be confused.

[*13 August 2013*]

69. If a label is used with a hole for a string, the attachment of the label shall have a seal placed on it.

70. The official label shall be attached (for the first time or repeatedly) to the seed package only under the supervision of the State Plant Protection Service.

[*13 August 2013*]

71. If the cereal variety is genetically modified, it shall be specified on the label, as well as in any other document attesting to the seed quality.

72. If the quality of the seed lot does not conform to the requirements, the relevant seed lot official labels shall be destroyed under the supervision of the State Plant Protection Service.

[*13 August 2013; 4 December 2018; 26 May 2020*]

73. If seed has been treated with biological preparations, plant protection products or chemicals, it shall be indicated on the label.

74. If labels have been ordered and supplied to the seed packer prior to seed packaging and taking of a seed sample, the inspector of the Service shall, prior to taking samples, ascertain the use of labels, checking the size and number of packages. If the inspector of the Service finds that:

74.1. the number of the package units at the place of storage of seed lot is less than the number of labels ordered, the inspector of the Service shall ensure the destruction of the unused labels and shall draw up a deed thereof;

74.2. at the place of storage of the labelled seed lot, there are more package units than the number of labels ordered, the inspector of the Service shall not take a seed sample until the spare package units are separated.

[*4 December 2018*]

75. [4 December 2018]

76. If the labelled seed lot is repackaged in the package units of another size or chemical treatment of the seed lot is conducted, the inspector of the Service shall ensure the destruction of the labels of the labelled lot and shall draw up a deed thereof.

77. Seed mixtures shall be packaged and labelled in accordance with the requirements laid down in Chapters VI and VII of this Regulation. The information indicated on the label shall conform to the content specified in Annex 16 to this Regulation.

78. Seed not finally certified, but:

78.1. grown and harvested in a member state of the Organisation for Economic Co-operation and Development (OECD) which participates in a cereal scheme and conforms to the requirements of the Organisation for Economic Co-operation and Development (OECD) cereal scheme and Section 7 of the Seed and Variety Circulation Law may be finally certified in Latvia. Seed shall be packaged and labelled in accordance with the Organisation for Economic Co-operation and Development (OECD) requirements;

78.2. grown and harvested in a European Union Member State or a state to which European Union equivalence for field inspections and for the production of certified seed has been granted may be finally certified in Latvia. Seed shall be packaged and labelled in accordance with the requirements laid down in the Seed and Variety Circulation Law and this Regulation;

78.3. harvested in Latvia and intended for certification in another European Union Member State, shall be packaged under the supervision of the State Plant Protection Service. Seed shall be packaged and labelled in accordance with the requirements laid down in the Seed and Variety Circulation Law and Chapters VI and VII of this Regulation. A label shall be attached and an accompanying document shall be appended to seed packages in accordance with Annex 17 to this Regulation;

78.4. is harvested in Latvia on one farming farm, but is intended for certification in another farming farm in Latvia, shall be packaged under the supervision of the State Plant Protection Service. Seed shall be packaged and labelled in accordance with the requirements laid down in the Seed and Variety Circulation Law and Chapters VI and VII of this Regulation. A label intended for the seed that is not finally certified shall be attached and an accompanying document shall be appended to seed packages in accordance with Annex 17 to this Regulation.

[*13 July 2010; 26 May 2020; 1 February 2022*]

79. The requirements specified in Paragraph 78 of this Regulation regarding packaging and labelling shall not apply to the cases regarding which the State Plant Protection Service has agreed with an authorised institution of another state. The requirements referred to in Sub-paragraph 78.4 of this Regulation regarding packaging and labelling shall be applied if there is a relevant decision of the State Plant Protection Service.

[*13 July 2010*]

**VII1. Labelling of Seed Package with Labels of a Packer**

[*13 August 2013*]

79.1 Labels of a packer (supplier) shall be used for small packages of the species referred to in Paragraph 66.1 of this Regulation.

79.2 A packer shall indicate the information referred to in Annex 15.1, as well as Paragraphs 71 and 73 of this Regulation regarding a label of a small package or marking of a package.

[*4 December 2018*]

79.3 A packer, when closing small seed packages, shall ensure that they cannot be opened without visible signs of label or package damages.

79.4 A label may be put inside a small transparent package, if it is legible through the package.

79.5 A repeated labelling of small seed packages is allowed only under the supervision of the Service.

79.6 A packer shall indicate all information in a seed inventory journal regarding the seed lots in small packages and shall ensure traceability of seed lots in accordance with Paragraph 100 of this Regulation and the possibility for the Service to check seed identity.

[*26 May 2020*]

79.7 A packer, upon using the packer labels, may pack only the seed previously certified in accordance with Section 7 of the Seed and Variety Circulation Law.

[*26 May 2020*]

**VIII. Marketing of Seeds**

80. Marketing of seeds shall be permitted only after they have been attested as pre-basic (PB), basic (B) or certified (C) seed.

80.1 If seed packages and labelling have not been changed during the storage period, the seed intended for marketing shall be tested repeatedly in compliance with the terms and conditions stipulated in Annex 17.1 to this Regulation.

[*26 May 2020*]

80.2 [26 May 2020]

80.3 If seed packages and marking have not been changed during the storage period, seed germination power and the indicators referred to in Sub-paragraphs 57.1 and 57.2 of this Regulation shall be determined during the repeated testing of the seed intended for marketing.

[*4 December 2018*]

80.4 If the period referred to in Paragraph 17.1 of this Regulation has ended and repeated testing of the seed quality has not been conducted, it is prohibited to market such seed.

[*4 December 2018; 26 May 2020*]

80.5 The seed shall be kept under conditions which fully ensure preservation of the qualitative characteristics of the seed. A seed trader shall be responsible for the conformity of the seed quality with the quality indicated in accompanying documents.

[*4 December 2018*]

81. In Latvia, the marketing of seed mixtures of cereal varieties and of cereal and legume species shall be permitted, if the relevant varieties are included in the Latvian Catalogue of Plant Varieties or European Union common catalogue of agricultural crops, and it does not contain a notation regarding specific characteristics of particular varieties that do not permit the preparation of mixtures. Prior to the preparation of a seed mixture, the conformity of its components to the quality requirements of the relevant seed category shall be evaluated.

[*13 July 2010*]

81.1 It is allowed to import and market buckwheat (*Fagopyrum esculentum Moench*) seed also in case the variety of the referred to species is not included in the Latvian Catalogue of Plant Varieties, but the seed quality conforms to the requirements laid down in Annex 11 to this Regulation.

[*13 August 2013*]

81.2 Seed in small packages may be marketed only in the territory of Latvia.

[*13 August 2013*]

82. After the request from the final user of seed, a person registered in the Register has the right to market wheat, rye, triticale, barley and oat seed of certified category without packaging by issuing a document referred to in Paragraph 101 of this Regulation to the final user of seed as the quality attesting document.

[*13 July 2010*]

83. The State Plant Protection Service shall control the seed imported in Latvia in accordance with the requirements of the laws and regulations governing the seed circulation.

84. The Food and Veterinary Service shall control the import of seed in Latvia.

[*18 August 2009*]

85. When marketing a cereal seed in Latvia that has been certified in another European Union Member State, as well as Iceland, Norway, Switzerland, Lichtenstein and in the country referred to in the laws and regulations on seed equivalence from third countries, an official approval (a certificate) of an authorised institution of the relevant state that admixtures of wild oats (*Avena fatua*) have not been determined in one of the following cases:

85.1. during the field inspection and in the official one-kilogram sample;

85.2. the official three-kilogram sample.

[*13 July 2010*]

**IX. Registration of Seed Growers, Seed Processors, Packers and Traders**

[*26 May 2020*]

86. [26 May 2020]

87. In order to get registered in the Register referred to in Paragraph 48 of this Regulation, a person shall submit to the State Plant Protection Service the application for the inclusion of the person in the Register of Seed Growers and Traders (hereinafter – the registration application) in accordance with Annex 18 to this Regulation and, depending on the type of occupation, shall attach the following documents:

87.1. seed grower:

87.1.1. field plans intended for seed growing, indicating the area (ha);

87.1.2. information regarding the management of the record of field history;

87.2. a prepare of seed mixtures – information regarding the preparation equipment of seed mixtures that ensure uniformity of the prepared seed mixture.

[*26 May 2020*]

88. The State Plant Protection Service shall, within five days after receipt of the documents referred to in Paragraph 87 of this Regulations, send a notification to a person of the receipt of the application and time period for the examination thereof. If the person submits all documents and they conform to the requirements of this Regulation, the person shall be registered in the Register. If the person fails to submit all documents or the information provided therein fails to conform to the requirements of this Regulation, the person shall not be registered.

[*14 June 2016*]

88.1 If the State Plant Protection Service has not informed a person about its registration or refusal to register it within a month after receipt of all the documents referred to in Paragraph 87 of this Regulation, it shall be regarded that the person has been registered in the Register by applying the default provided for in the Freedom to Provide Service Law.

[*14 June 2016*]

89. The State Plant Protection Service shall:

89.1. issue a registration code to each person registered in the Register. The first two characters thereof shall indicate the address of the person (first two digits of the postal code), the remaining characters – sequential number of the registration;

89.2. indicate the following information regarding a person registered in the Register:

89.2.1. registration code;

89.2.2. for a legal person – the firm name and registration number, for a natural person – the given name, surname, and personal identity number;

89.2.3. for a legal person – legal address, for a natural person – address of the place of residence;

89.2.4. type of activity;

89.2.5. group of species with which activities are carried out;

89.2.6. contact details (for example, phone number, e-mail address);

89.3. publish on its website the information on registered persons specified in Section 4, Paragraph five of the Seed and Variety Circulation Law.

[*26 May 2020; 1 February 2022*]

89.1 Upon request of the person, the State Plant Protection Service shall notify the decision to register the person in the register either in the form of an electronic or paper document.

[*14 June 2016; 4 December 2018*]

90. The State Plant Protection Service shall take the decision on cancelling the registration of a person in accordance with Section 4, Paragraph three of the Seed and Variety Circulation Law or a relevant decision if non-conformity with the requirements referred to in Chapters VII, VII.1, VIII, X, or XI of this Regulation has been detected repeatedly and the relevant deed has been drawn up thereon.

[*26 May 2020*]

90.1 Within five days after taking of a decision referred to in Paragraph 90 of this Regulation the State Plant Protection Service shall inform a person thereon in writing.

[*13 July 2010*]

90.2 Information regarding a registered person shall be kept in the database of the Register until annulment of the registration in accordance with Paragraph 90 of this Regulation. The State Plant Protection Service shall keep information regarding the relevant person in the archives database of the Register for six years after registration of the person is cancelled.

[*13 July 2010*]

90.3 In order to make any changes in the Register, a registered person shall submit the application referred to in Annex 18 to this Regulation to the State Plant Protection Service by indicating the required changes.

[*13 July 2010*]

90.4 If the changes in the Register are related to the change of the type of activity of the registered person, the documents referred to in Sub-paragraph 87.1 or 87.3 of this Regulation shall be appended to the application referred to in Paragraph 90.3 of this Regulation.

[*13 July 2010*]

90.5 The State Plant Protection Service shall make changes in the Register within three working days after receipt of the application referred to in Paragraph 90.3 of this Regulation.

[*14 June 2016*]

90.6 The State Plant Protection Service shall process personal data (given name, surname, personal identity number, address of the place of residence, telephone number, e-mail address) in order to identify and register the person in the register referred to in Paragraph 48 of this Regulation, to ensure seed certification, as well as to notify on the cancellation of the registration. The personal data shall be stored permanently after submission of the application. If the decision to cancel the registration of the person is taken, the relevant data shall be deleted not earlier than six years after the date of taking the decision.

[*4 December 2018*]

**X. Seed Documentation**

91. The following documents shall attest the quality of seed:

91.1. for the certified seed in Latvia:

91.1.1. a seed testing report indicating that the seed lot conforms to the requirements for the relevant category in this Regulation – if the seed has been obtained and is intended to be sown in the same seed growing farm;

91.1.2. if the seed is intended for marketing – an official label issued by State Plant Protection Service with the indication “European Union Legislation” or “EU Legislation”;

91.2. for seed certified in another European Union Member State, as well as Iceland and Norway – an official label of the seed package with a reference to European Union Legislation, that is issued by authorised authorities of the relevant states, as well as an official approval (a certificate) that admixtures of wild oats (*Avena fatua*) have not been found;

91.3. for the seed certified in the country referred to in the laws and regulations on seed equivalence from third countries – seed quality attesting documents and seed packaging label that conforms with the requirements referred to in the laws and regulations on seed equivalence from third countries, as well as an official approval (a certificate) that an admixtures of wild oats (*Avena fatua*) have not been found;

91.4. for the seed certified in Switzerland and Liechtenstein – an official label of the seed package, that is issued by authorised authorities of the relevant states, as well as an official approval (a certificate) that admixtures of wild oats (*Avena fatua)* have not been determined;

91.5. for the seed mixtures certified in Latvia, another European Union Member State, as well as Iceland, Norway, Switzerland and Liechtenstein – an official label of the seed package or a stamp, which contains the information referred to in Annex 16 to this Regulation, as well as an official approval (a certificate) that admixtures of wild oats (*Avena fatua)* have not been determined;

91.6. for previously certified seed, when repacking them in small packages for the final user of the seed – packer’s label or stamp which contains information referred to in Annex 15.1 to this Regulation;

91.7. for the buckwheat seed (*Fagopyrum esculentum Moench*) referred to in Paragraph 81.1 of this Regulation – an official document (certificate) issued by the authorised authority of the relevant state which attests the conformity of the seed with the requirements referred to in Annex 11 to this Regulation, as well as that admixtures of wild oats (*Avena fatua*) have not been found, and an official label of the seed package.

[*13 July 2010; 13 August 2013; 26 May 2020*]

92. The State Plant Protection Service shall issue the Seed Testing Report to the persons registered in the Register in accordance with Annex 20 to this Regulation.

[*26 May 2020*]

93. The Seed Testing Report shall include the indication of:

93.1. the conformity of the seed lot with the requirements for the specific category referred to in this Regulation on the basis of the field inspection and seed sample evaluation results if all evaluation result indicators of the average sample of the seed lot conform to the requirements determined for the relevant category of the relevant seed species;

93.2. the non-conformity of the seed lot with the requirements for the specific category referred to in this Regulation or evaluation of only a few indicators, or the non-conformity with the requirements of the International Seed Testing Association (ISTA) if:

93.2.1. the seed quality does not conform to the requirements of this Regulation;

93.2.2. any of indicators obtained in the full evaluation of the seed lot fails to conform to the requirements laid down for the relevant seed category;

93.2.3. only certain indicators have been evaluated.

93.2.4. seed samples are not taken by the inspector of Service or the sampling does not conform to the requirements of the International Seed Testing Association (ISTA).

[*26 May 2020*]

94. The Seed Testing Report shall be issued within three working days after the evaluation of the seed sample has been completed.

[*26 May 2020*]

95. Upon written request of the seed grower, the State Plant Protection Service shall issue the certificate of the International Seed Testing Association (ISTA) regarding actual indicators of performed analyses within three working days following the completion of the analyses indicated in the request.

[*13 July 2010*]

96. It is possible to certify and market winter crop seeds after harvesting and preparation thereof before the completion of seed germination power evaluation, ensuring conformity with the following requirements:

96.1. the seed processor has submitted to the State Plant Protection Service the name and address of the seed purchaser, if the purchaser is a legal person, or the given name, surname, and address, if the purchaser is a natural person;

96.2. the germination power result obtained in the seed testing exceeds the minimum germination power referred to in Annex 11 to this Regulation by at least five per cent.

[*4 December 2018*]

96.1 The seed purchaser referred to in Sub-Paragraph 96.1 of this Regulation may not trade the seed until the moment he or she has received the Seed Testing Report which conforms to the requirements referred to in Sub-Paragraph 93.1 of this Regulation from the seed supplier.

[*26 May 2020*]

96.2 In the case referred to in Paragraph 96 of this Regulation the State Plant Protection Service shall:

96.21. indicate on the official label of the package the seed germination power, the name and address of the seed processor if the seed processor is a legal person or the given name, surname, and address – if the seed processor is a natural person;

96.22. indicate the words “Temporary seed testing report” in the document referred to in Paragraph 92 of this Regulation that attests to the seed quality;

96.23. indicate in the temporary seed testing report the name and address of the seed purchaser referred to in Sub-Paragraph 96.1 of this Regulation if the purchaser is a legal person or the given name, surname, and address – if the purchaser is a natural person.

[*4 December 2018; 26 May 2020*]

97. [4 December 2018]

97.1 Seed quality shall be determined repeatedly in accordance with the requirements referred to in Paragraphs 56 and 57 of this Regulation, if a seed lot is repackaged or it is processed by using chemicals, biopreparations, or plant protection products, unless taking of samples, chemical treatment, treatment with biopreparations or plant protection products and packaging are included in one continuous technical process.

[*4 December 2018*]

98. [4 December 2018]

99. [4 December 2018]

99.1 For seed certified in another European Union Member State, processed with biocontrol agents, plant protection products or chemicals and marketed in Latvia, if stored for further marketing for a period longer than the term referred to in Annex 17.1 to this Regulation, and certified seed marketed in Latvia, if stored for further marketing for a period longer than the term referred to in Annex 17.1 to this Regulation, counting from the package closure or last sampling day indicated on the package label, seed germination capacity has to be tested repeatedly. A seed trader shall submit the application referred to in Annex 10 to this Regulation to the State Plant Protection Service.

[*4 December 2018; 26 May 2020*]

99.2A seed sample for a repeated inspection of germination power referred to in Paragraph 99.1 of this Regulation shall be taken by an inspector of the Service. The seed sample mass shall conform to the amount referred to in Paragraphs 53 and 54 of this Regulation.

[*13 July 2010*]

99.3 If the germination power indicator of seed determined in the repeated inspection referred to in Paragraph 99.1 of this Regulation conforms to the requirements of this Regulation for the seed category determined previously, the State Plant Protection Service shall issue a sticker for seed label, indicating the date, month and year of the last sample taking thereon.

[*13 July 2010; 26 May 2020*]

99.4 For seed mixtures whose quality attesting document is an official label of the seed package or stamp, which contains the information referred to in Annex 16 of this Regulation, the term of validity shall be one year, counting from the day of closing of the package indicated on the official label of the package or of the final sample taking. Before the end of the term of validity the State Plant Protection Service shall carry out a repeated inspection of germination power of the seed for seed mixture components by species.

[*13 July 2010*]

99.5 If the germination power indicator of seed determined in the repeated inspection referred to in Paragraph 99.4 of this Regulation conforms to the relevant quality requirements for the seed category of the species referred to in Paragraph 2 of this Regulation, the State Plant Protection Service shall issue a sticker for seed label, indicating the date, month and year of the last sample taking thereon.

[*13 July 2010; 26 May 2020*]

99.6 If the germination power indicator of seed determined in the repeated inspection referred to in Paragraph 99.4 of this Regulation fails to conform to the relevant quality requirements for the seed category of the species referred to in Paragraph 2 of this Regulation for any component of the seed mixture, it is allowed to market the seed mixtures, indicating the particular germination power per cent on each package.

[*26 May 2020*]

99.7 If the seed lot of the species referred to in Paragraph 66.1 of this Regulation is repackaged for the final user of the seed in small packages with a packer’s label without repeated quality inspection, information referred to in Annex 15.1 shall be provided on the label.

[*13 August 2013*]

100. A person engaged in the growing, processing, packaging, or marketing of seed shall keep a seed inventory journal. All seed processing stages and types of use for the relevant species and variety seed shall be recorded in the seed inventory journal, stating the amount of seed used for each activity in kilograms. If the seed is marketed, information on the purchaser (for a legal person – the firm name and registration number, for a natural person – the given name, surname, and personal identity number) shall be indicated in the seed inventory journal. If the seed referred to in Paragraph 66.2 of this Regulation is marketed in small packages, the trader shall not be required to indicate the information on the purchaser in the seed inventory journal.

[*9 August 2022*]

101. The registered person who is marketing the seed certified in Latvia, except for small packages, shall issue one of the following documents to the purchaser upon request:

101.1. seed testing report with the indication that the seed lot conforms to the quality requirements laid down in this Regulation for the relevant category if it has been issued to the seed marketer in the form of an electronic document and the last seed user is technically able to receive such seed certificate;

101.2. seed testing report with the indication that the seed lot conforms to the quality requirements laid down in this Regulation for the relevant category if it has been issued to the marketer in paper form or the last seed user is not able to receive such seed certificate electronically.

[*26 May 2020*]

101.1 [4 December 2019]

102. A seed trader who markets seed certified in other countries for seed growing, each year until 1 November (for winter crop seed) and 25 May (for spring crop seed) shall submit information to the State Plant Protection Service either in paper form or electronically regarding the sold seed lots per varieties and categories for the time period from 1 November of the previous year until 31 October of the current year (for winter crop seed) and from 25 May of the previous year until 24 May of the current year (for spring crop seed), indicating the numbers of the seed lot and amount and also shall attach the documents attesting to the seed quality or copies thereof.

[*26 May 2020*]

103. If a purchaser has acquired seed without a label or has failed to conform to the requirements for seed storage or packaging as laid down in this Regulation, the purchaser shall lose the right to express a complaint against the seed trader.

[*26 May 2020*]

103.1 Upon written request of the seed grower, the State Plant Protection Service shall, within three working days after finalisation of the analyses indicated in the request, issue the certificate of the International Seed Testing Association (ISTA) on the actual indicators of the analyses performed.

[*26 May 2020*]

**XI. Post-control of Seed in Field Plots**

104. In order to ascertain that in the process of seed propagation varietal identity and purity is ensured and retained, the State Plant Protection Service shall carry out post-control of seed in field plots.

105. Post-control shall be carried out:

105.1. for all barley, oat, wheat and self-pollinating triticale pre-basic seed (PB) category, basic (B) and certified first generation (C1) category seed lots, as well as to not less than 5 % of certified second generation (C2) category seed lots;

105.2. for all rye and buckwheat pre-basic (PB) category and basic (B) category seed lots, as well as for not less than 5 % of certified (C) category seed lots.

106. The State Plant Protection Service, when carrying out the post-control of seed lots, shall determine the identity of a variety and shall enumerate all plants of other varieties and plants non-characteristic to the variety, sowing the field plots with the samples of the seed lots to be tested and comparing them with the field that has been sown with the original variety seed.

107. The original variety seed sample shall serve as the standard that allows to observe on site all the morphological features characteristic to the variety.

108. Mass of the original variety seed sample shall be at least 1 kg in order to ensure the sowing of fields for several years.

109. In the years of the exchange of the original variety seed samples, both new and previous samples shall be used for the comparison of morphological features in order to ascertain regarding the identity of samples. If the germination power of the original variety seed sample does not conform to the requirements of this Regulation, the State Plant Protection Service shall request a new original variety seed sample.

110. The original variety seed samples shall be stored in such conditions that do not leave a negative impact upon the seed germination power. During the storage of the original variety seed samples, the identification thereof and that they do not mix mutually shall be ensured.

111. The State Plant Protection Service shall encode the seed samples intended for post-control, ensuring confidentiality in the sample evaluation. The granted code number shall be preserved for the whole subsequent period of sample evaluation.

112. Post-control fields shall be placed in the fields of crop rotation that shall ensure that varieties do not mix. No other cereal species may have been grown in fields during the last two years, nor there may have been admixtures of cereals in the sowing fields of other species. Undercrop fields shall also be controlled in the seed post-control and a field history record regarding the fields to be used in the post-control shall be maintained.

113. The State Plant Protection Service, in conformity with the number of the received samples, shall develop a sowing plan. The sowing plan shall be created by observing the following principles:

113.1. varieties with similar morphological features shall be placed next to each other;

113.2. replications shall be arranged randomly in different areas of the field. Three replications shall be arranged to pre-basic (PB) and basic (B) category seed, two replications shall be arranged to first generation certified seed (C1), one replication shall be arranged to certified (C) and second generation certified seed (C2);

113.3. the distance among plants, rows and fields shall be such that it shall be possible to carry out morphological observations during the whole growth period;

113.4. if sowing of all fields does not take place concurrently, the sowing of the variety of the original seed sample shall be also repeated in each term of sowing so that the plants in fields might be compared at all growth stages;

113.5. fields shall have such size as to ensure an evaluation of at least 1000 plants in one field;

113.6. a 0.5 m large zone at the ends of fields shall not be evaluated.

114. Replanting and thinning of plants may not be carried out in field plots during vegetation.

115. For each field to be tested:

115.1. an accounting of the density of sowing fields shall be carried out at the plant stage of 2–3 leaves;

115.2. the identity of a variety shall be evaluated, comparing plants with the plants of the original variety seed field; and

115.3. all plants of other varieties and non-characteristic to the variety shall be determined and accounted, they shall be noted with markers.

116. Observations shall be carried out during the whole period of vegetation in accordance with the official descriptions of the variety. On carrying out the evaluation of fields, critical periods shall be observed when the presence of plants of other varieties and plants non-characteristic to the variety may be distinguished the most. During this period each field shall be inspected at least once a week.

117. The sample shall not be in conformity with the varietal purity requirements, if the number of the plants non-conforming with the variety, depending on the number of the evaluated plants for oats, barley, triticale and wheat in post-control exceeds the one indicated in Annex 23 to this Regulation, but to buckwheat and rye in post-control it exceeds the one specified in Annex 24 to this Regulation.

117.1 If, after examination of the varietal identity of the seed referred to in this Chapter, there is still doubt as to the varietal identity of the seed, the State Plant Protection Service may use, for the examination of that identity, an internationally recognised and reproducible biochemical or molecular technique in accordance with the applicable international standards.

[*9 August 2022 / Paragraph shall come into force on 1 September 2022. See Paragraph 2 of the amendments*]

118. If in the post-control it is determined that any of the seed lots does not conform to the identity of the variety or with the varietal purity requirements, the State Plant Protection Service shall take a decision on further propagation possibilities of the seed lot. The State Plant Protection Service shall inform the seed grower, seed processor, packer or trader of the decision taken within seven working days.

119. [13 July 2010]

120. The results of seed lot post-control shall be available in an electronic form on the website of the State Plant Protection Service.

**XII. Closing Provisions**

[*9 August 2022*]

121. Cabinet Regulation No. 253 of 13 May 2003, Regulations on Growing and Marketing of Cereal Seed (*Latvijas Vēstnesis*, 2003, No. 73; 2004, Nos. 69, 73; 2005, No. 33), is repealed.

122. Until 1 January 2013 the State Plant Protection Service shall issue a report “Seed Evaluation Results” in accordance with Annex 21 to this Regulation to a registered person instead of the label referred to in 99.3 of this Regulation, if the germination power indicator of seed determined in the repeated inspection referred to in Paragraph 99.1 of this Regulation conforms to the requirements of the category determined previously.

[*13 July 2010*]

123. The State Plant Protection Service shall review the applications of seed growers for the seed growing field inspections planned in 2020 which have been submitted by 1 June 2020.

[*26 May 2020*]

124. For seed lots which by 31 May 2020 have received a seed certificate and a report “Seed Evaluation Results”, the seed certificate shall be valid until the relevant seed lot has been marketed but the report “Seed Evaluation Results” – from the date issued until the next seed quality inspection.

[*26 May 2020*]

125. The State Plant Protection Service shall each year collect information on the results of the previous year concerning the amount of the wheat hybrid seed produced, the conformity of the field inspections with the requirements laid down in this Regulation, the results of the post-control of seed lots, the percentage of seed lots that are not considered as corresponding to the requirements laid down in this Regulation, and any other information that justifies the rejection of a seed lot, and shall send the information collected to the European Commission and other European Union Member States by 28 February of the current year. The State Plant Protection Service shall collect the information and send it to the European Commission and other European Union Member States by 28 February 2030.

[*9 August 2022 / Paragraph shall come into force on 1 September 2022. See Paragraph 2 of the amendments*]

126. Paragraphs 9 and 10 of Annex 1 and Paragraph 8 of Annex 3 to this Regulation shall be in force until 31 August 2029.

[*9 August 2022 / Paragraph shall come into force on 1 September 2022. See Paragraph 2 of the amendments*]

**Informative Reference to European Union Directives**

[*13 July 2010; 14 June 2016; 26 May 2020; 1 February 2022; 9 August 2022 / Sub-paragraphs 10 and 11 shall come into force on 1 September 2022. See Paragraph 2 of the Amendments*]

This Regulation contains legal norms arising from:

1) Council Directive 66/402/EEC of 14 June 1966 on the marketing of cereal seed (with amendments);

2) Commission Directive 2006/47/EC of 23 May 2006 laying down special conditions concerning the presence of wild oats (*Avena fatua*) in cereal seed.

3) Commission Directive 2006/55/EC of 12 June 2006 amending Annex III to Council Directive 66/402/EEC as regards the maximum weight of seed lots;

4) Commission Directive 2009/74/EC of 26 June 2009 amending Council Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC as regards the botanical names of plants, the scientific names of other organisms and certain Annexes to Directives 66/401/EEC, 66/402/EEC and 2002/57/EC in the light of developments of scientific and technical knowledge.

5) Commission Implementing Directive (EU) 2015/1955 of 29 October 2015 amending Annexes I and II to Council Directive 66/402/EEC on the marketing of cereal seed;

6) Commission Implementing Directive (EU) 2016/317 of 3 March 2016 amending Council Directives 66/401/EEC, 66/402/EEC, 2002/54/EC, 2002/55/EC, 2002/56/EC and 2002/57/EC as regards the official label of seed packages;

7) Commission Implementing Directive (EU) 2020/177 of 11 February 2020, amending Council Directives 66/401/EEC, 66/402/EEC, 68/193/EC, 2002/55/EC, 2002/56/EC and 2002/57/EC, Commission Directives 93/49/EEC and 93/61/EEC, and Implementing Directives 2014/21/EU and 2014/98/EU as regards pests of plants on seeds and other plant reproductive material;

8) Commission Implementing Directive (EU) 2021/415 of 8 March 2021 amending Council Directives 66/401/EEC and 66/402/EEC in order to adapt to the evolution of scientific and technical knowledge, taxonomic groups and names of certain species of seeds and weeds;

9) Commission Implementing Directive (EU) 2021/2171 of 7 December 2021 amending Council Directive 66/402/EEC with regard to the seed lot and sample weights of *Avena nuda*;

10) Commission Implementing Directive (EU) 2021/971 of 16 June 2021 amending Annex I to Council Directive 66/401/EEC on the marketing of fodder plant seed, Annex I to Council Directive 66/402/EEC on the marketing of cereal seed, Annex I to Council Directive 2002/54/EC on the marketing of beet seed, Annex I to Council Directive 2002/55/EC on the marketing of vegetable seed and Annex I to Council Directive 2002/57/EC on the marketing of seed of oil and fibre plants, as regards the use of biochemical and molecular techniques;

11) Commission Implementing Directive (EU) 2021/1927 of 5 November 2021 amending Annexes I and II to Council Directive 66/402/EEC as regards requirements for seeds of hybrid wheat produced by means of cytoplasmic male sterility.

Prime Minister A. Kalvītis

Minister for Agriculture M. Roze

**Annex 1**

Cabinet Regulation No. 120

13 February 2007

[*9 August 2022 / The new wording of the Annex shall come into force on 1 September 2022, see Paragraph 2 of the amendments*]

**Minimum Distances Between Sowing Fields**

|  |  |
| --- | --- |
| 1. Between species of foreign pollination which may result in cross-pollinating, if sowing: |  |
| 1.1. basic seed | 300 m |
| 1.2. certified seed | 250 m |
| 2. Between self-pollinating triticale variety sowing fields, if sowing: |  |
| 2.1. basic seed | 50 m |
| 2.2. certified seed | 20 m |
| 3. Between sowing fields of rye hybrid basic seed if: |  |
| 3.1. the male sterility is used | 1000 m |
| 3.2. the male sterility is not used | 600 m |
| 4. Between sowing fields of rye hybrid certified seed | 500 m |
| 5. Between sowing fields of buckwheat if sowing: |  |
| 5.1. basic seed | 400 m |
| 5.2. certified seed | 250 m |
| 6. Between sowing fields of wheat, oat, barley and self-pollinating hybrid varieties of triticale certified seed (between the female component and sowing fields of any other variety of the same species, except for the male component) | 25 m |
| 7. Between sowing fields of barley hybrid basic seed, if the cytoplasmic male sterility is used | 100 m |
| 8. Between sowing fields of barley hybrid certified seed, if the cytoplasmic male sterility is used | 50 m |
| 9. Between sowing fields of wheat hybrid basic seed with female components, if the cytoplasmic male sterility is used | 300 m |
| 10. Between sowing fields of wheat hybrid certified seed, if the cytoplasmic male sterility is used | 25 m |

Notes.

1. The minimum distance specified in Paragraphs 1, 2, 3, 4, 7,8, 9, and 10 of this Annex shall not apply to sowing fields where sufficient protection against undesirable foreign-pollination of a different type is ensured.

2. The minimum distance between sowing fields of self-pollinating species or varieties shall be such that mixing of seed during harvesting is not possible.

**Annex 2**

Cabinet Regulation No. 120

13 February 2007

**Number of Diseased Plants Permitted in Seed Growing Fields**

[*26 May 2020*]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Category of a sowing field | Diseased plants in wheat, barley, oat and triticale sowing fields per 200 m2 | | Diseased plants in rye and triticale sowing fields per 200 m2 |
| with loose smut  (*Ustilago avenae, Ustilago nuda, Ustilago tritici*) | with stinking smut  (*Ustilago kolleri, Ustilago hordei, Tilletia caries*) | with stem smut  (*Urocystis occulta*) |
| 1. | Pre-basic category sowing fields | 2 | 2 | 2 |
| 2. | Basic category sowing fields | 10 | 10 | 10 |
| 3. | Certified category sowing fields | 30 | 30 | 30 |

**Annex 3**

Cabinet Regulation No. 120

13 February 2007

[*9 August 2022 / The new wording of the Annex shall come into force on 1 September 2022, see Paragraph 2 of the amendments*]

**Requirements for Varietal Purity**

1. The following varietal purity requirements are specified for oats, barley and wheat (except for hybrids):

|  |  |
| --- | --- |
| Seed category | Minimum varietal purity (%) |
| 1.1. basic seed | 99.9 |
| 1.2. first generation certified seed | 99.7 |
| 1.3. second generation certified seed | 99.0 |

2. The following varietal purity requirements are specified for triticale self-pollinating varieties (except for hybrids):

|  |  |
| --- | --- |
| Seed category | Minimum varietal purity (%) |
| 2.1. basic seed | 99.7 |
| 2.2. first generation certified seed | 99.0 |
| 2.3. second generation certified seed | 98.0 |

3. For rye and cross-pollinating triticale, the number of plants considered to be not in conformity with the variety, based on visual evaluation, may not exceed the following indicators:

3.1. one plant per 30 m2 for the acquisition of basic seed of sowing fields;

3.2. one plant per 10 m2for the acquisition of certified seed of sowing fields.

4. For buckwheat, the number of plants considered to be not in conformity with the variety, based on visual evaluation, may not exceed the following indicators:

4.1. one plant per 30 m2 for the acquisition of basic seed of sowing fields;

4.2. one plant per 10 m2for the acquisition of certified seed of sowing fields.

5. The following requirements are determined for rye hybrids:

5.1. the number of plants considered not to be in conformity with the component, based on visual evaluation, may not exceed the following indicators:

5.1.1. one plant per 30 m2 for the acquisition of basic seed of sowing fields;

5.1.2. one plant per 10 m2 (applies to inspection of the female component field only) for the acquisition of certified seed of sowing fields;

5.2. sterility level of the male sterile component shall be at least 98 %, if the male sterility has been used for the obtaining of basic seed;

5.3. where necessary, certified seed shall be produced by growing a female male-sterile component in mixture with a male component that renews the male fertility;

5.4. the seed does not conform to the category of certified seed (C) until the post-control of seed in field plots regarding the conformity of the basic seed (B) category to the requirements of this Regulation and regarding identity and purity in accordance with features characteristic to the components, including the male sterility, has been carried out.

6. The following requirements are laid down for the production of oats, barley (acquired by using the method other than the cytoplasmic male sterility), wheat and self-pollinating triticale hybrid seed:

6.1. the sowing field shall have sufficient identity and purity according to components;

6.2. if the chemical hybridisation agent is utilised in seed production:

6.2.1. the minimum varietal purity of each component to oat, barley and wheat shall be 99.7%, to self-pollinating triticale – 99.0 %;

6.2.2. minimum hybridisation shall be 95 %. The hybridisation level (in percentage) shall be evaluated in accordance with international methods. If a hybridisation level is determined during seed evaluation (before certification), the hybridisation level shall not be determined during field inspection;

6.3. minimum varietal purity for certified seed shall be 90 %. It shall be determined in the post-examination in field plots.

7. The following requirements are laid down for the production of barley hybrid base seed and certified seed by using the cytoplasmic male sterility:

7.1. the sowing field shall have sufficient identity and purity according to components;

7.2. the number of plants considered not to be in conformity with the type, based on visual assessment, may not exceed the following indicators:

|  |  |  |
| --- | --- | --- |
| 7.2.1. | for sowing fields used to obtain basic seed: | |
|  | 0.1% | for the maintainer line and restorer line |
|  | 0.2% | for the cytoplasmic male sterility female component |
| 7.2.2. | for sowing fields used to obtain certified seed: | |
|  | 0.3% | for the restorer line and the cytoplasmic male sterility female component |
|  | 0.5% | in case the cytoplasmic male sterility female component is a single hybrid |

7.3. the level of the male sterility in female component shall be at least 99.7 % if the sowing field is used for the acquisition of basic seed, and 99.5 % if the sowing field is used for the production of certified seed;

7.4. certified seed may be produced by growing the female-sterile component in mixture with a male sterile component where the male component renews the fertility;

7.5. varietal purity for certified seed which is acquired by using the cytoplasmic male sterility shall be 85 %, and other mixtures except for the restorer line shall not exceed 2 %. It shall be determined in the post-examination in field plots;

7.6. the seed does not conform to the category of certified seed (C) until the post-control of seed in field plots regarding the conformity of the basic seed (B) category to the requirements of this Regulation and regarding identity and purity in accordance with features characteristic to the components, including the male sterility, has been carried out.

8. The following requirements are laid down for the production of wheat hybrid base seed and certified seed by using the cytoplasmic male sterility:

8.1. the sowing field shall have sufficient identity and purity according to components;

8.2. the number of plants considered not to be in conformity with the type, based on visual assessment, may not exceed the following indicators:

|  |  |  |
| --- | --- | --- |
| 8.2.1. | for sowing fields used to obtain basic seed: | |
|  | 0.1% | for the maintainer line and restorer line |
|  | 0.3% | for the cytoplasmic male sterility female component |
| 8.2.2. | for sowing fields used to obtain certified seed: | |
|  | 0.3% | for the restorer line |
|  | 0.6% | for the cytoplasmic male sterility female component |
|  | 1% | the cytoplasmic male sterility female component is a single hybrid |

8.3. the level of the male sterility in female component shall be at least 99.7 % if the sowing field is used for the acquisition of basic seed, and 99 % if the sowing field is used for the production of certified seed;

8.4. certified seed may be produced by growing the female-sterile component in mixture with a male sterile component where the male component renews the fertility;

8.5. varietal purity for certified seed which is acquired by using the cytoplasmic male sterility shall be 85 %, other mixtures except for the restorer line shall not exceed 2 %. It shall be determined in the post-examination in field plots;

8.6. the seed does not conform to the category of certified seed (C) until the post-control of seed in field plots regarding the conformity of the basic seed (B) category to the requirements of this Regulation and regarding identity and purity in accordance with features characteristic to the components, including the male sterility, has been carried out.

**Annex 4**

Cabinet Regulation No. 120

13 February 2007

**Content of the Application for Inspection of Seed Growing Fields**

[*26 May 2020*]

1. The responsible institution.

2. Given name, address, telephone number and registration code of the person registered in the Seed Grower and Seed Trader Register.

3. Information regarding the sown seed material:

3.1. species;

3.2. variety;

3.3. category of the sown seed;

3.4. for a protected variety – number of the licence contract and term of validity;

3.5. amount of the sown seed (kg).

3.6. seed lot number.

4. Information regarding the seed growing field:

4.1. name or number of the field;

4.2. area of the field.

5. A document certifying the origin of seed (document reference information).

6. Date and year of sowing.

7. Information regarding the undercrop.

8. Date\* of submitting, given name, surname and signature of the submitter\*.

Note. \* The details of the document “date” and “signature” shall not be completed if the electronic document has been drawn up in accordance with the laws and regulations regarding drawing up of electronic documents.

**Annex 5**

Cabinet Regulation No. 120

13 February 2007

**Content of the Cereal Seed Growing Field Inspection Protocol**

[*26 May 2020*]

1. The responsible institution.

2. Field inspection protocol number.

3. Given name, address, telephone number and registration code of the person registered in the Seed Grower and Seed Trader Register.

4. Information regarding the sown seed material:

4.1. species;

4.2. variety;

4.3. category of the sown seed;

4.4. lot number.

5. Documents of the sown seed (document reference information).

6. Information regarding the seed growing field:

6.1. number of the field (in accordance with the electronic application system of the Rural Support Service (LAD EPS);

6.2. area (ha);

6.3. undercrop.

7. Information regarding other species of this variety on the farm (are there such or not; if there are such, it shall be specified).

8. Information regarding the results of the field inspection:

8.1. minimum distances between sowing fields (whether they are observed or not);

8.2. identity of the variety (whether it conforms or not);

8.3. weeds;

8.4. pests;

8.5. number of plant ears (plants) not in conformity with the variety;

8.6. number of other cereal species plants;

8.7. plants infected with stinking smut;

8.8. plants infected with loose smut;

8.9. plants infected with stem smut;

8.10. other diseases;

8.11. wild oats;

8.12. conformity of the sowing field with the requirements.

9. Decision on the conformity or non-conformity of the variety sowing fields with the acquisition of seed.

10. Date of the issuance of the protocol\* and signature\*.

Note. \* The details of the document “date” and “signature” shall not be completed if the electronic document has been drawn up in accordance with the laws and regulations regarding drawing up of electronic documents.

**Annex 6**

Cabinet Regulation No. 120

13 February 2007

**Maximum Number of Plant Ears not in Conformity with the Variety in the Sowing Fields of Oat, Barley, Rye and Self-pollinating Triticale (Except for Hybrids) per 200 m2 in the Field Inspection**

[*14 June 2016; 4 December 2018*]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of plant ears per ha | Varietal purity | | | |
| 99.9 % | 99.7 % | 99.0 % | 98.0 % |
| number of plant ears of other varieties or non-characteristic of the variety per 200 m2 | | | |
| 500000 | 16 | 40 | 118 | 224 |
| 525000 | 17 | 42 | 123 | 235 |
| 550000 | 18 | 44 | 128 | 245 |
| 575000 | 18 | 45 | 134 | 256 |
| 600000 | 19 | 47 | 139 | 266 |
| 625000 | 20 | 49 | 145 | 277 |
| 650000 | 20 | 51 | 150 | 288 |
| 675000 | 21 | 52 | 155 | 298 |
| 700000 | 21 | 54 | 161 | 309 |
| 725000 | 22 | 56 | 166 | 319 |
| 750000 | 23 | 57 | 171 | 329 |
| 775000 | 23 | 59 | 177 | 340 |
| 800000 | 24 | 61 | 182 | 350 |
| 825000 | 24 | 62 | 187 | 361 |
| 850000 | 25 | 64 | 193 | 371 |
| 875000 | 26 | 66 | 198 | 382 |
| 900000 | 26 | 67 | 203 | 392 |
| 925000 | 27 | 69 | 209 | 403 |
| 950000 | 27 | 71 | 214 | 413 |
| 975000 | 28 | 72 | 219 | 423 |
| 1000000 | 29 | 74 | 224 | 434 |
| 1025000 | 29 | 76 | 230 | 444 |
| 1050000 | 30 | 77 | 235 | 455 |
| 1075000 | 30 | 79 | 240 | 465 |
| 1100000 | 31 | 81 | 246 | 475 |
| 1125000 | 32 | 82 | 251 | 486 |
| 1150000 | 32 | 84 | 256 | 496 |
| 1175000 | 33 | 86 | 261 | 507 |
| 1200000 | 33 | 87 | 267 | 517 |
| 1225000 | 34 | 89 | 272 | 527 |
| 1250000 | 34 | 90 | 277 | 538 |
| 1275000 | 35 | 92 | 282 | 548 |
| 1300000 | 36 | 94 | 288 | 558 |
| 1325000 | 36 | 95 | 293 | 569 |
| 1350000 | 37 | 97 | 298 | 579 |
| 1375000 | 37 | 99 | 303 | 589 |
| 1400000 | 38 | 100 | 309 | 600 |
| 1425000 | 39 | 102 | 314 | 610 |
| 1450000 | 39 | 104 | 319 | 620 |
| 1475000 | 40 | 105 | 324 | 631 |
| 1500000 | 40 | 107 | 330 | 641 |
| 1525000 | 41 | 108 | 335 | 651 |
| 1550000 | 41 | 110 | 340 | 662 |
| 1575000 | 42 | 112 | 345 | 672 |
| 1600000 | 43 | 113 | 351 | 682 |
| 1625000 | 43 | 115 | 356 | 693 |
| 1650000 | 44 | 117 | 361 | 703 |
| 1675000 | 44 | 118 | 366 | 713 |
| 1700000 | 45 | 120 | 371 | 724 |
| 1725000 | 45 | 121 | 377 | 734 |
| 1750000 | 46 | 123 | 382 | 744 |
| 1775000 | 47 | 125 | 387 | 755 |
| 1800000 | 47 | 126 | 392 | 765 |
| 1825000 | 48 | 128 | 398 | 775 |
| 1850000 | 48 | 130 | 403 | 786 |
| 1875000 | 49 | 131 | 408 | 796 |
| 1900000 | 49 | 133 | 413 | 806 |
| 1925000 | 50 | 134 | 418 | 816 |
| 1950000 | 51 | 136 | 424 | 827 |
| 1975000 | 51 | 138 | 429 | 837 |
| 2000000 | 52 | 139 | 434 | 847 |
| 2025000 | 52 | 141 | 439 | 858 |
| 2050000 | 53 | 142 | 444 | 868 |
| 2075000 | 53 | 144 | 450 | 878 |
| 2100000 | 54 | 146 | 455 | 888 |
| 2125000 | 54 | 147 | 460 | 899 |
| 2150000 | 55 | 149 | 465 | 909 |
| 2175000 | 56 | 151 | 470 | 919 |
| 2200000 | 56 | 152 | 476 | 930 |
| 2225000 | 57 | 154 | 481 | 940 |
| 2250000 | 57 | 155 | 486 | 950 |
| 2275000 | 58 | 157 | 491 | 960 |
| 2300000 | 58 | 159 | 496 | 971 |
| 2325000 | 59 | 160 | 502 | 981 |
| 2350000 | 60 | 162 | 507 | 991 |
| 2375000 | 60 | 163 | 512 | 1001 |
| 2400000 | 61 | 165 | 517 | 1012 |
| 2425000 | 61 | 167 | 522 | 1022 |
| 2450000 | 62 | 168 | 528 | 1032 |
| 2475000 | 62 | 170 | 533 | 1043 |
| 2500000 | 63 | 171 | 538 | 1053 |
| 2525000 | 63 | 173 | 543 | 1063 |
| 2550000 | 64 | 175 | 548 | 1073 |
| 2575000 | 65 | 176 | 553 | 1084 |
| 2600000 | 65 | 178 | 559 | 1094 |
| 2625000 | 66 | 179 | 564 | 1104 |
| 2650000 | 66 | 181 | 569 | 1114 |
| 2675000 | 67 | 183 | 574 | 1125 |
| 2700000 | 67 | 184 | 579 | 1135 |
| 2725000 | 68 | 186 | 584 | 1145 |
| 2750000 | 68 | 187 | 590 | 1155 |
| 2775000 | 69 | 189 | 595 | 1166 |
| 2800000 | 70 | 191 | 600 | 1176 |
| 2825000 | 70 | 192 | 605 | 1186 |
| 2850000 | 71 | 194 | 610 | 1196 |
| 2875000 | 71 | 195 | 616 | 1206 |
| 2900000 | 72 | 197 | 621 | 1217 |
| 2925000 | 72 | 199 | 626 | 1227 |
| 2950000 | 73 | 200 | 631 | 1237 |
| 2975000 | 73 | 202 | 636 | 1247 |
| 3000000 | 74 | 203 | 641 | 1258 |
| 3025000 | 75 | 205 | 647 | 1268 |
| 3050000 | 75 | 206 | 652 | 1278 |
| 3075000 | 76 | 208 | 657 | 1288 |
| 3100000 | 76 | 210 | 662 | 1299 |
| 3125000 | 77 | 211 | 667 | 1309 |
| 3150000 | 77 | 213 | 672 | 1319 |
| 3175000 | 78 | 214 | 678 | 1329 |
| 3200000 | 78 | 216 | 683 | 1340 |
| 3225000 | 79 | 218 | 688 | 1350 |
| 3250000 | 80 | 219 | 693 | 1360 |
| 3275000 | 80 | 221 | 698 | 1370 |
| 3300000 | 81 | 222 | 703 | 1380 |
| 3325000 | 81 | 224 | 708 | 1391 |
| 3350000 | 82 | 226 | 714 | 1401 |
| 3375000 | 82 | 227 | 719 | 1411 |
| 3400000 | 83 | 229 | 724 | 1421 |
| 3425000 | 83 | 230 | 729 | 1432 |
| 3450000 | 84 | 232 | 734 | 1442 |
| 3475000 | 84 | 233 | 739 | 1452 |
| 3500000 | 85 | 235 | 745 | 1462 |
| 3525000 | 86 | 237 | 750 | 1472 |
| 3550000 | 86 | 238 | 755 | 1483 |
| 3575000 | 87 | 240 | 760 | 1493 |
| 3600000 | 87 | 241 | 765 | 1503 |
| 3625000 | 88 | 243 | 770 | 1513 |
| 3650000 | 88 | 245 | 775 | 1523 |
| 3675000 | 89 | 246 | 781 | 1534 |
| 3700000 | 89 | 248 | 786 | 1544 |
| 3725000 | 90 | 249 | 791 | 1554 |
| 3750000 | 91 | 251 | 796 | 1564 |
| 3775000 | 91 | 252 | 801 | 1575 |
| 3800000 | 92 | 254 | 806 | 1585 |
| 3825000 | 92 | 256 | 812 | 1595 |
| 3850000 | 93 | 257 | 817 | 1605 |
| 3875000 | 93 | 259 | 822 | 1615 |
| 3900000 | 94 | 260 | 827 | 1626 |
| 3925000 | 94 | 262 | 832 | 1636 |
| 3950000 | 95 | 264 | 837 | 1646 |
| 3975000 | 95 | 265 | 842 | 1656 |
| 4000000 | 96 | 267 | 848 | 1666 |
| 4025000 | 97 | 268 | 853 | 1677 |
| 4050000 | 97 | 270 | 858 | 1687 |
| 4075000 | 98 | 271 | 863 | 1697 |
| 4100000 | 98 | 273 | 868 | 1707 |
| 4125000 | 99 | 275 | 873 | 1717 |
| 4150000 | 99 | 276 | 878 | 1728 |
| 4175000 | 100 | 278 | 884 | 1738 |
| 4200000 | 100 | 279 | 889 | 1748 |
| 4225000 | 101 | 281 | 894 | 1758 |
| 4250000 | 101 | 283 | 899 | 1768 |
| 4275000 | 102 | 284 | 904 | 1779 |
| 4300000 | 103 | 286 | 909 | 1789 |
| 4325000 | 103 | 287 | 914 | 1799 |
| 4350000 | 104 | 289 | 920 | 1809 |
| 4375000 | 104 | 290 | 925 | 1819 |
| 4400000 | 105 | 292 | 930 | 1830 |
| 4425000 | 105 | 294 | 935 | 1840 |
| 4450000 | 106 | 295 | 940 | 1850 |
| 4475000 | 106 | 297 | 945 | 1860 |
| 4500000 | 107 | 298 | 950 | 1870 |
| 4525000 | 107 | 300 | 956 | 1881 |
| 4550000 | 108 | 301 | 961 | 1891 |
| 4575000 | 108 | 303 | 966 | 1901 |
| 4600000 | 109 | 305 | 971 | 1911 |
| 4625000 | 110 | 306 | 976 | 1921 |
| 4650000 | 110 | 308 | 981 | 1931 |
| 4675000 | 111 | 309 | 986 | 1942 |
| 4700000 | 111 | 311 | 991 | 1952 |
| 4725000 | 112 | 312 | 997 | 1962 |
| 4750000 | 112 | 314 | 1002 | 1972 |
| 4775000 | 113 | 316 | 1007 | 1982 |
| 4800000 | 113 | 317 | 1012 | 1993 |
| 4825000 | 114 | 319 | 1017 | 2003 |
| 4850000 | 114 | 320 | 1022 | 2013 |
| 4875000 | 115 | 322 | 1027 | 2023 |
| 4900000 | 116 | 323 | 1033 | 2033 |
| 4925000 | 116 | 325 | 1038 | 2044 |
| 4950000 | 117 | 327 | 1043 | 2054 |
| 4975000 | 117 | 328 | 1048 | 2064 |
| 5000000 | 118 | 330 | 1053 | 2074 |
| 5025000 | 118 | 331 | 1058 | 2084 |
| 5050000 | 119 | 333 | 1063 | 2094 |
| 5075000 | 119 | 334 | 1068 | 2105 |
| 5100000 | 120 | 336 | 1074 | 2115 |
| 5125000 | 120 | 338 | 1079 | 2125 |
| 5150000 | 121 | 339 | 1084 | 2135 |
| 5175000 | 121 | 341 | 1089 | 2145 |
| 5200000 | 122 | 342 | 1094 | 2156 |
| 5225000 | 123 | 344 | 1099 | 2166 |
| 5250000 | 123 | 345 | 1104 | 2176 |
| 5275000 | 124 | 347 | 1109 | 2186 |
| 5300000 | 124 | 349 | 1115 | 2196 |
| 5325000 | 125 | 350 | 1120 | 2206 |
| 5350000 | 125 | 352 | 1125 | 2217 |
| 5375000 | 126 | 353 | 1130 | 2227 |
| 5400000 | 126 | 355 | 1135 | 2237 |
| 5425000 | 127 | 356 | 1140 | 2247 |
| 5450000 | 127 | 358 | 1145 | 2257 |
| 5475000 | 128 | 360 | 1150 | 2267 |
| 5500000 | 129 | 361 | 1156 | 2278 |
| 5525000 | 129 | 363 | 1161 | 2288 |
| 5550000 | 130 | 364 | 1166 | 2298 |
| 5575000 | 130 | 366 | 1171 | 2308 |
| 5600000 | 131 | 367 | 1176 | 2318 |
| 5625000 | 131 | 369 | 1181 | 2329 |
| 5650000 | 132 | 371 | 1186 | 2339 |
| 5675000 | 132 | 372 | 1191 | 2349 |
| 5700000 | 133 | 374 | 1197 | 2359 |
| 5725000 | 133 | 375 | 1202 | 2369 |
| 5750000 | 134 | 377 | 1207 | 2379 |
| 5775000 | 134 | 378 | 1212 | 2390 |
| 5800000 | 135 | 380 | 1217 | 2400 |
| 5825000 | 136 | 381 | 1222 | 2410 |
| 5850000 | 136 | 383 | 1227 | 2420 |
| 5875000 | 137 | 385 | 1232 | 2430 |
| 5900000 | 137 | 386 | 1237 | 2440 |
| 5925000 | 138 | 388 | 1243 | 2451 |
| 5950000 | 138 | 389 | 1248 | 2461 |
| 5975000 | 139 | 391 | 1253 | 2471 |
| 6000000 | 139 | 392 | 1258 | 2481 |
| 6025000 | 140 | 394 | 1263 | 2491 |
| 6050000 | 140 | 396 | 1268 | 2501 |
| 6075000 | 141 | 397 | 1273 | 2512 |
| 6100000 | 141 | 399 | 1278 | 2522 |
| 6125000 | 142 | 400 | 1284 | 2532 |
| 6150000 | 143 | 402 | 1289 | 2542 |
| 6175000 | 143 | 403 | 1294 | 2552 |
| 6200000 | 144 | 405 | 1299 | 2562 |
| 6225000 | 144 | 407 | 1304 | 2573 |
| 6250000 | 145 | 408 | 1309 | 2583 |
| 6275000 | 145 | 410 | 1314 | 2593 |
| 6300000 | 146 | 411 | 1319 | 2603 |
| 6325000 | 146 | 413 | 1324 | 2613 |
| 6350000 | 147 | 414 | 1330 | 2623 |
| 6375000 | 147 | 416 | 1335 | 2633 |
| 6400000 | 148 | 417 | 1340 | 2644 |
| 6425000 | 148 | 419 | 1345 | 2654 |
| 6450000 | 149 | 421 | 1350 | 2664 |
| 6475000 | 149 | 422 | 1355 | 2674 |
| 6500000 | 150 | 424 | 1360 | 2684 |
| 6525000 | 151 | 425 | 1365 | 2694 |
| 6550000 | 151 | 427 | 1371 | 2705 |
| 6575000 | 152 | 428 | 1376 | 2715 |
| 6600000 | 152 | 430 | 1381 | 2725 |
| 6625000 | 153 | 432 | 1386 | 2735 |
| 6650000 | 153 | 433 | 1391 | 2745 |
| 6675000 | 154 | 435 | 1396 | 2755 |
| 6700000 | 154 | 436 | 1401 | 2766 |
| 6725000 | 155 | 438 | 1406 | 2776 |
| 6750000 | 155 | 439 | 1411 | 2786 |
| 6775000 | 156 | 441 | 1417 | 2796 |
| 6800000 | 156 | 442 | 1422 | 2806 |
| 6825000 | 157 | 444 | 1427 | 2816 |
| 6850000 | 158 | 446 | 1432 | 2827 |
| 6875000 | 158 | 447 | 1437 | 2837 |
| 6900000 | 159 | 449 | 1442 | 2847 |
| 6925000 | 159 | 450 | 1447 | 2857 |
| 6950000 | 160 | 452 | 1452 | 2867 |
| 6975000 | 160 | 453 | 1457 | 2877 |
| 7000000 | 161 | 455 | 1463 | 2887 |
| 7025000 | 161 | 456 | 1468 | 2898 |
| 7050000 | 162 | 458 | 1473 | 2908 |
| 7075000 | 162 | 460 | 1478 | 2918 |
| 7100000 | 163 | 461 | 1483 | 2928 |
| 7125000 | 163 | 463 | 1488 | 2938 |
| 7150000 | 164 | 464 | 1493 | 2948 |
| 7175000 | 164 | 466 | 1498 | 2959 |
| 7200000 | 165 | 467 | 1503 | 2969 |
| 7225000 | 166 | 469 | 1508 | 2979 |
| 7250000 | 166 | 471 | 1514 | 2989 |
| 7275000 | 167 | 472 | 1519 | 2999 |
| 7300000 | 167 | 474 | 1524 | 3009 |
| 7325000 | 168 | 475 | 1529 | 3019 |
| 7350000 | 168 | 477 | 1534 | 3030 |
| 7375000 | 169 | 478 | 1539 | 3040 |
| 7400000 | 169 | 480 | 1544 | 3050 |
| 7425000 | 170 | 481 | 1549 | 3060 |
| 7450000 | 170 | 483 | 1554 | 3070 |
| 7475000 | 171 | 485 | 1560 | 3080 |
| 7500000 | 171 | 486 | 1565 | 3090 |
| 7525000 | 172 | 488 | 1570 | 3101 |
| 7550000 | 172 | 489 | 1575 | 3111 |
| 7575000 | 173 | 491 | 1580 | 3121 |
| 7600000 | 174 | 492 | 1585 | 3131 |
| 7625000 | 174 | 494 | 1590 | 3141 |
| 7650000 | 175 | 495 | 1595 | 3151 |
| 7675000 | 175 | 497 | 1600 | 3161 |
| 7700000 | 176 | 499 | 1606 | 3172 |
| 7725000 | 176 | 500 | 1611 | 3182 |
| 7750000 | 177 | 502 | 1616 | 3192 |
| 7775000 | 177 | 503 | 1621 | 3202 |
| 7800000 | 178 | 505 | 1626 | 3212 |
| 7825000 | 178 | 506 | 1631 | 3222 |
| 7850000 | 179 | 508 | 1636 | 3233 |
| 7875000 | 179 | 509 | 1641 | 3243 |
| 7900000 | 180 | 511 | 1646 | 3253 |
| 7925000 | 180 | 513 | 1651 | 3263 |
| 7950000 | 181 | 514 | 1657 | 3273 |
| 7975000 | 182 | 516 | 1662 | 3283 |
| 8000000 | 182 | 517 | 1667 | 3293 |
| 8025000 | 183 | 519 | 1672 | 3304 |
| 8050000 | 183 | 520 | 1677 | 3314 |
| 8075000 | 184 | 522 | 1682 | 3324 |
| 8100000 | 184 | 523 | 1687 | 3334 |
| 8125000 | 185 | 525 | 1692 | 3344 |
| 8150000 | 185 | 527 | 1697 | 3354 |
| 8175000 | 186 | 528 | 1702 | 3364 |
| 8200000 | 186 | 530 | 1708 | 3375 |
| 8225000 | 187 | 531 | 1713 | 3385 |
| 8250000 | 187 | 533 | 1718 | 3395 |
| 8275000 | 188 | 534 | 1723 | 3405 |
| 8300000 | 188 | 536 | 1728 | 3415 |
| 8325000 | 189 | 537 | 1733 | 3425 |
| 8350000 | 190 | 539 | 1738 | 3435 |
| 8375000 | 190 | 541 | 1743 | 3446 |
| 8400000 | 191 | 542 | 1748 | 3456 |
| 8425000 | 191 | 544 | 1753 | 3466 |
| 8450000 | 192 | 545 | 1759 | 3476 |
| 8475000 | 192 | 547 | 1764 | 3486 |
| 8500000 | 193 | 548 | 1769 | 3496 |
| 8525000 | 193 | 550 | 1774 | 3506 |
| 8550000 | 194 | 551 | 1779 | 3516 |
| 8575000 | 194 | 553 | 1784 | 3527 |
| 8600000 | 195 | 555 | 1789 | 3537 |
| 8625000 | 195 | 556 | 1794 | 3547 |
| 8650000 | 196 | 558 | 1799 | 3557 |
| 8675000 | 196 | 559 | 1804 | 3567 |
| 8700000 | 197 | 561 | 1810 | 3577 |
| 8725000 | 197 | 562 | 1815 | 3587 |
| 8750000 | 198 | 564 | 1820 | 3598 |
| 8775000 | 199 | 565 | 1825 | 3608 |
| 8800000 | 199 | 567 | 1830 | 3618 |
| 8825000 | 200 | 569 | 1835 | 3628 |
| 8850000 | 200 | 570 | 1840 | 3638 |
| 8875000 | 201 | 572 | 1845 | 3648 |
| 8900000 | 201 | 573 | 1850 | 3658 |
| 8925000 | 202 | 575 | 1855 | 3669 |
| 8950000 | 202 | 576 | 1861 | 3679 |
| 8975000 | 203 | 578 | 1866 | 3689 |
| 9000000 | 203 | 579 | 1871 | 3699 |
| 9025000 | 204 | 581 | 1876 | 3709 |
| 9050000 | 204 | 583 | 1881 | 3719 |
| 9075000 | 205 | 584 | 1886 | 3729 |
| 9100000 | 205 | 586 | 1891 | 3740 |
| 9125000 | 206 | 587 | 1896 | 3750 |
| 9150000 | 207 | 589 | 1901 | 3760 |
| 9175000 | 207 | 590 | 1906 | 3770 |
| 9200000 | 208 | 592 | 1911 | 3780 |
| 9225000 | 208 | 593 | 1917 | 3790 |
| 9250000 | 209 | 595 | 1922 | 3800 |
| 9275000 | 209 | 597 | 1927 | 3810 |
| 9300000 | 210 | 598 | 1932 | 3821 |
| 9325000 | 210 | 600 | 1937 | 3831 |
| 9350000 | 211 | 601 | 1942 | 3841 |
| 9375000 | 211 | 603 | 1947 | 3851 |
| 9400000 | 212 | 604 | 1952 | 3861 |
| 9425000 | 212 | 606 | 1957 | 3871 |
| 9450000 | 213 | 607 | 1962 | 3881 |
| 9475000 | 213 | 609 | 1968 | 3892 |
| 9500000 | 214 | 610 | 1973 | 3902 |
| 9525000 | 214 | 612 | 1978 | 3912 |
| 9550000 | 215 | 614 | 1983 | 3922 |
| 9575000 | 216 | 615 | 1988 | 3932 |
| 9600000 | 216 | 617 | 1993 | 3942 |
| 9625000 | 217 | 618 | 1998 | 3952 |
| 9650000 | 217 | 620 | 2003 | 3962 |
| 9675000 | 218 | 621 | 2008 | 3973 |
| 9700000 | 218 | 623 | 2013 | 3983 |
| 9725000 | 219 | 624 | 2018 | 3993 |
| 9750000 | 219 | 626 | 2024 | 4003 |
| 9775000 | 220 | 628 | 2029 | 4013 |
| 9800000 | 220 | 629 | 2034 | 4023 |
| 9825000 | 221 | 631 | 2039 | 4033 |
| 9850000 | 221 | 632 | 2044 | 4043 |
| 9875000 | 222 | 634 | 2049 | 4054 |
| 9900000 | 222 | 635 | 2054 | 4064 |
| 9925000 | 223 | 637 | 2059 | 4074 |
| 9950000 | 223 | 638 | 2064 | 4084 |
| 9975000 | 224 | 640 | 2069 | 4094 |
| 10000000 | 225 | 642 | 2074 | 4104 |
| 10025000 | 225 | 643 | 2080 | 4114 |
| 10050000 | 226 | 645 | 2085 | 4125 |
| 10075000 | 226 | 646 | 2090 | 4135 |
| 10100000 | 227 | 648 | 2095 | 4145 |
| 10125000 | 227 | 649 | 2100 | 4155 |
| 10150000 | 228 | 651 | 2105 | 4165 |
| 10175000 | 228 | 652 | 2110 | 4175 |
| 10200000 | 229 | 654 | 2115 | 4185 |
| 10225000 | 229 | 655 | 2120 | 4195 |
| 10250000 | 230 | 657 | 2125 | 4206 |
| 10275000 | 230 | 659 | 2130 | 4216 |
| 10300000 | 231 | 660 | 2136 | 4226 |
| 10325000 | 231 | 662 | 2141 | 4236 |
| 10350000 | 232 | 663 | 2146 | 4246 |
| 10375000 | 232 | 665 | 2151 | 4256 |
| 10400000 | 233 | 666 | 2156 | 4266 |
| 10425000 | 234 | 668 | 2161 | 4276 |
| 10450000 | 234 | 669 | 2166 | 4287 |
| 10475000 | 235 | 671 | 2171 | 4297 |
| 10500000 | 235 | 673 | 2176 | 4307 |
| 10525000 | 236 | 674 | 2181 | 4317 |
| 10550000 | 236 | 676 | 2186 | 4327 |
| 10575000 | 237 | 677 | 2192 | 4337 |
| 10600000 | 237 | 679 | 2197 | 4347 |
| 10625000 | 238 | 680 | 2202 | 4357 |
| 10650000 | 238 | 682 | 2207 | 4368 |
| 10675000 | 239 | 683 | 2212 | 4378 |
| 10700000 | 239 | 685 | 2217 | 4388 |
| 10725000 | 240 | 686 | 2222 | 4398 |
| 10750000 | 240 | 688 | 2227 | 4408 |
| 10775000 | 241 | 690 | 2232 | 4418 |
| 10800000 | 241 | 691 | 2237 | 4428 |
| 10825000 | 242 | 693 | 2242 | 4438 |
| 10850000 | 242 | 694 | 2248 | 4449 |
| 10875000 | 243 | 696 | 2253 | 4459 |
| 10900000 | 244 | 697 | 2258 | 4469 |
| 10925000 | 244 | 699 | 2263 | 4479 |
| 10950000 | 245 | 700 | 2268 | 4489 |
| 10975000 | 245 | 702 | 2273 | 4499 |
| 11000000 | 246 | 703 | 2278 | 4509 |
| 11025000 | 246 | 705 | 2283 | 4519 |
| 11050000 | 247 | 707 | 2288 | 4530 |
| 11075000 | 247 | 708 | 2293 | 4540 |
| 11100000 | 248 | 710 | 2298 | 4550 |
| 11125000 | 248 | 711 | 2303 | 4560 |
| 11150000 | 249 | 713 | 2309 | 4570 |
| 11175000 | 249 | 714 | 2314 | 4580 |
| 11200000 | 250 | 716 | 2319 | 4590 |
| 11225000 | 250 | 717 | 2324 | 4600 |
| 11250000 | 251 | 719 | 2329 | 4611 |
| 11275000 | 251 | 720 | 2334 | 4621 |
| 11300000 | 252 | 722 | 2339 | 4631 |
| 11325000 | 253 | 724 | 2344 | 4641 |
| 11350000 | 253 | 725 | 2349 | 4651 |
| 11375000 | 254 | 727 | 2354 | 4661 |
| 11400000 | 254 | 728 | 2359 | 4671 |
| 11425000 | 255 | 730 | 2365 | 4681 |
| 11450000 | 255 | 731 | 2370 | 4691 |
| 11475000 | 256 | 733 | 2375 | 4702 |

Minister for Agriculture M. Roze

**Annex 7**

Cabinet Regulation No. 120

13 February 2007

**Maximum Number of Plants not in Conformity with the Variety in the Sowing Fields of Rye, Cross-pollinating Triticale and Buckwheat per 200 m2 in the Field Inspection**

[*26 May 2020*]

|  |  |  |
| --- | --- | --- |
| No. | Category | Rye, cross-pollinating triticale |
| 1. | In the field of basic seed | 7 plants per 200 m2 |
| 2. | In the fields of certified seed | 20 plants per 200 m2 |

**Annex 8**

Cabinet Regulation No. 120

13 February 2007

**Content of the Application for the Registration of Cereal Variety Sowing Fields**

[14 June 2016]

**Annex 9**

Cabinet Regulation No. 120

13 February 2007

**Content of the Registration Protocol of Cereal Variety Sowing Fields**

[14 June 2016]

**Annex 10**

Cabinet Regulation No. 120

13 February 2007

**Content of the Application for the Taking of an Average Seed Sample, Performance of Analyses and Making of Official Labels**

[*26 May 2020*]

1. The responsible institution.

2. Given name, address, telephone number and registration code of the person registered in the Seed Grower and Seed Trader Register.

3. Information regarding the seed material:

3.1. species;

3.2. variety;

3.3. category;

3.4. crop year;

3.5. mass of the seed (kg);

3.6. seed lot number.

4. Information regarding the conditions of packaging and storage:

4.1. the type of packaging;

4.2. the size of packaging;

4.3. the number of packaging units in a seed lot;

4.4. the place of storage.

5. A document certifying the origin of seed (document reference information).

6. Information regarding treatment of the seed.

7. Purpose for the taking of a sample.

8. The necessary seed quality analyses.

9. Number and type of the necessary official labels.

10. Date\* of submitting, given name, surname and signature of the submitter\*.

Note. \* The details of the document “date” and “signature” shall not be completed if the electronic document has been drawn up in accordance with the laws and regulations regarding drawing up of electronic documents.

**Annex 11**

Cabinet Regulation No. 120

13 February 2007

[*9 August 2022*]

**Seed Quality Indicators**

1. Seed quality indicators are as follows:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Cereal species and seed categories | Minimum germination power (for pure seed %) | Minimum purity (% from mass) | Maximum admixture of seed of other plant species (pieces/1000 g) | | | | |
| other plant species, not more than (Column 6, 7, 8, and 9) | other cereal species | non-cereal plant species | wild oat (*Avena fatua, Avena sterilis*), darnel (*Lolium temulentum*) | charlock *(Raphanus raphanistrum)*, corn cockle (*Agrostemma githago*) |
| 1. | Oats, also red oat (*Avena sativa* L., *Avena byzantina* K. Koch), bristle oat syn. black oat (*Avena strigosa* Schreb.), soft wheat (*Triticum aestivum L. subsp. aestivum*), durum wheat (*Triticum turgidum L. subsp. durum (Desf.) van Slageren*), spelt wheat (*Triticum aestivum L. subsp. spelta (L.) Thell.*): |  |  |  |  |  |  |  |
| 1.1. | basic seed | 85 | 99 | 8 | 2 | 6 | 0 | 2 |
| 1.2. | certified seed, first and second generation certified seed | 85 | 98 | 20 | 14 | 14 | 0 | 6 |
| 2. | Hulless oats (*Avena nuda*L.); |  |  |  |  |  |  |  |
| 2.1. | basic seed | 75 | 99 | 8 | 2 | 6 | 0 | 2 |
| 2.2. | certified seed, first and second generation certified seed | 75 | 98 | 20 | 14 | 14 | 0 | 6 |
| 3. | Barley (*Hordeum vulgare*L.) |  |  |  |  |  |  |  |
| 3.1. | basic seed | 85 | 99 | 8 | 2 | 6 | 0 | 2 |
| 3.2. | certified seed, first and second generation certified seed (except for hulless barley) | 85 | 98 | 20 | 14 | 14 | 0 | 6 |
| 3.3. | certified seed, first and second generation certified seed (for hulless barley) | 75 | 98 | 20 | 14 | 14 | 0 | 6 |
| 4. | Rye (*Secale cereale* L.), buckwheat (*Fagopyrum esculentum* Moench): |  |  |  |  |  |  |  |
| 4.1. | basic seed | 85 | 98 | 8 | 2 | 6 | 0 | 2 |
| 4.2. | certified seed | 85 | 98 | 20 | 14 | 14 | 0 | 6 |
| 5. | Triticale (*x Triticosecale Wittm. ex A. Camus*): |  |  |  |  |  |  |  |
| 5.1. | basic seed | 80 | 98 | 8 | 2 | 6 | 0 | 2 |
| 5.2. | certified seed, first and second generation certified seed | 80 | 98 | 20 | 14 | 14 | 0 | 6 |
| 6. | Maize (*Zea mays* L. (partim)) | 90 | 98 | 0 | 0 | 0 | 0 | 0 |

2. Seed is practically free from pests.

**Annex 12**

Cabinet Regulation No. 120

13 February 2007

**Amount of Sclerotia and Stinking Smut Admixture**

[*13 July 2010; 26 May 2020*]

1. The maximum permitted amount of sclerotia (*Claviceps purpurea*) or sclerotia parts, and amount of stinking smut (*Tilletia caries*) admixture in seed sample (1000 g) shall be as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Seed category | Sclerotia (*Claviceps purpurea*) (pieces) | Stinking smut (*Tilletia caries*) or parts thereof in wheat seed (% from mass) |
| 1.1. | Basic seed | 2 | – |
| 1.2. | Certified seed (C1, C – except for hybrid rye) | 6 | up to 0.002 |
| 1.3. | Certified seed (C2) | 6 | up to 0.004 |

2. The maximum permitted amount of sclerotia (*Claviceps purpurea*) or sclerotia parts in hybrid rye seed sample (1000 g) shall be as follows:

|  |  |  |
| --- | --- | --- |
| No. | Seed category | Sclerotia (*Claviceps purpurea*) (pieces) |
| 2.1. | Basic seed | 2 |
| 2.2. | Certified seed (C) | 8 |

**Annex 13**

Cabinet Regulation No. 120

13 February 2007

**Content of the Application for the Certification and Marketing of Seed with Reduced Germination Power**

[*13 July 2010; 4 December 2018*]

1. The responsible institution.

2. Given name of the person registered in the Seed Grower and Seed Trader Register and code of the seed grower.

3. Species.

4. Variety.

5. Seed lot number.

6. Volume of the seed lot.

7. Germination power of the seed.

8. Number and date of issue of the document certifying the seed quality.

9. Date\* of submitting, given name, surname and signature of the submitter\*.

Note. \* Document details “date” and “signature” shall not be completed, if the electronic document has been drafted in conformity with the laws and regulations regarding drawing up of electronic documents.

**Annex 13.1**

Cabinet Regulation No. 120

13 February 2007

**Content of the Application for the Receipt of a Permit to Reduce Breeder Seed Category**

[4 December 2018]

**Annex 14**

Cabinet Regulation No. 120

13 February 2007

**Colour of the Official Label of Seed Package**

[*4 December 2018*]

|  |  |  |
| --- | --- | --- |
| No. | Seed category or requirements prescribed for the seed | Colour of the official label |
| 1. | Pre-basic seed (PB) | white with a diagonal violet line |
| 2. | Basic seed (B) | white |
| 3. | Certified seed (C) | blue |
| 3.1. | first generation certified seed (C1) | blue |
| 3.2. | second generation certified seed (C2) | red |
| 4. | Seed admixtures | green |
| 5. | Seed with reduced quality indicators or requirements | brown |
| 6. | Seed which has not been fully certified | grey |

Minister for Agriculture M. Roze

**Annex 15**

Cabinet Regulation No. 120

13 February 2007

**Content of an Official Label, Seal and Document**

[*1 February 2022*]

**A. Content of the Label and Seal**

1. European Union legislation\*.

2. Name of the certification institution and state.

3. Name of the country of production.

4. Officially assigned serial number.

5. Seed lot number.

6. The declared net or gross mass of seed or number of seeds in a package.

7. Species (indicate at least the botanical name (may be in an abridged form) in Roman characters).

8. Variety (shall be indicated in Latin letters).

9. Category.

10. Month and year of packaging, or month and year when the most recent sample was taken. If packaging is closed repeatedly, indicate the date of closing, as well as the name of the responsible institution.

11. If mass is indicated and granulated plant protection products, pelleting materials or other hard additives are used, the names of the additives, as well as the approximate proportions of seed mass and total mass shall be indicated.

12. If the variety is a hybrid or an inbred line:

12.1. for basic seed:

12.1.1. if the hybrid or inbred line to which the seed belongs has been accepted in accordance with the by-laws regarding the Latvian Catalogue of Plant Varieties, the name of such component shall be indicated together with a reference to the final variety or the name of the component alone;

12.1.2. if the hybrid or inbred line has been provided as a component only to the final variety, the word “Komponents” [component] shall be indicated; and

12.1.3. in other cases the component to which the basic seed belongs may be indicated in the form of a code together with a reference to the final variety and with a reference to the function thereof (male or female) (or without a reference to the function), as well as the word “Komponents” [component] shall be indicated; and

12.2. for certified seed the name of such variety to which the seed belongs, and the word “Hibrīds” [hybrid] shall be indicated.

13. If seed germination power has been evaluated repeatedly, the institution which has evaluated it, as well as a reference “Atkārtoti novērtēts (mēnesis un gads)” [evaluated repeatedly (month and year)] shall be indicated. Such information may be indicated on the official sticker attached to the label.

14. For pre-basic seed, the number of generations before the certified seed or the first generation certified seed shall be indicated.

15. If species is genetically modified, indication “Ģenētiski modificēta šķirne” [Genetically modified species].

16. Indication regarding plant protection products used for seed treatment.

17. Specify minimum germination power of first and second generation certified seed of hulless barley – 75 %.

**B. Content of the Document**

1. Seed lot number.

2. Species (indicate at least the botanical name (may be in an abridged form) in Roman characters).

3. Variety (shall be indicated in Latin letters).

Note. \* The reference shall not be indicated on the official seed label of buckwheat.

**Annex 15.1**

Cabinet Regulation No. 120

13 February 2007

**Content of a Packer’s Label or Marking of a Package for Small Seed Packages**

[*13 August 2013; 4 December 2018*]

1. Notation “Neliels iesaiņojums” [Small package].

2. Packer’s (natural person or legal person) given name, surname or firm name and address.

3. Officially granted seed lot number.

4. Authority which has granted the seed lot number and the state or abbreviation of the names thereof.

5. Serial number granted by a packer.

6. The month and year of packing or the month and year of the last sample taking. If packaging is closed repeatedly, indicate the date of closing, as well as the name of the responsible institution.

7. Name of the species in Latvian and Latin (indicate botanical name (may be in an abridged form) in Roman characters without references to the author).

8. Name of the variety.

9. Category.

10. Net or gross seed mass or number of clean seed.

11. If mass is indicated and granulated plant protection products, pelleting materials or other hard additives are used, the names of additives, as well as the approximate proportions of seed mass and total mass shall be indicated.

**Annex 16**

Cabinet Regulation No. 120

13 February 2007

**Content of a Seed Mixture Official Label or Stamp**

[*13 August 2013; 14 June 2016 / Paragraph 2.1 of the Annex shall come into force on 1 April 2017. See Paragraph 3 of the Amendments*]

1. Name of the certification institution and state.

2. Name of the country of production.

2.1Officially assigned serial number.

3. Seed lot number.

4. The declared net or gross mass of seed or number of seeds in a package.

5. Names of the species, categories, varieties, and proportion by mass for each component (Roman characters shall be used to denote varieties and species).

6. Month and year of packaging, or month and year when the most recent sample was taken.

7. If mass is indicated and granulated plant protection products, pelleting materials or other hard additives are used, the names of additives, as well as the approximate proportions of seed mass and total mass shall be indicated.

8. If seed germination power has been evaluated repeatedly, the institution which has evaluated it, as well as a reference “Atkārtoti novērtēts (mēnesis un gads)” [evaluated repeatedly (month and year)] shall be indicated. Such information may be indicated on the official sticker attached to the label.

9. Indication “Atļauts tirgot tikai (attiecīgās valsts nosaukums)” [only permitted to be marketed in (name of the relevant state)].

Minister for Agriculture M. Roze

**Annex 17**

Cabinet Regulation No. 120

13 February 2007

**Content of a Label and Accompanying Document for Seed not Finally Certified**

[*14 June 2016; Section A, Paragraph 2.1 and Section B, Paragraph 1.1 of the Annex shall come into force on 1 April 2017. See Paragraph 3 of the Amendments*]

**A. Content of the Label**

1. Country of production.

2. Institution responsible for the field inspection (state to be also indicated).

2.1Officially assigned serial number.

3. Species (indicate at least the botanical name (may be in an abridged form) in Roman characters).

4. Variety (shall be indicated in Latin letters). If the variety (inbred line, hybrid) has been intended as a component only to the final variety, the word “Komponents” [component] shall be indicated.

5. Category.

6. For a hybrid variety the word “Hibrīds” [hybrid] shall be indicated.

7. Declared net or gross mass.

8. Indication “Sēkla nav līdz galam sertificēta” [seed not finally certified].

**B. Content of the Accompanying Document**

1. Institution that issued the accompanying document.

1.1 Serial numbers officially granted for the issued labels.

2. Species (indicate at least the botanical name (may be in an abridged form) in Roman characters).

3. Variety (shall be indicated in Latin letters).

4. Category.

5. Number of the sown seed lot and the state or states that have certified the seed.

6. Field or seed lot number.

7. The sowing field area in which the seed lot specified in the accompanying document was grown.

8. Quantity of seed harvested and number of packages.

9. For a certified seed category – the number of generations following the basic seed.

10. A statement that approves compliance with the seed growing requirements for the sown plant from which the seed was obtained.

11. In respective cases – temporary results attesting to the seed quality.

Minister for Agriculture M. Roze

**Annex 17.1**

Cabinet Regulation No. 120

13 February 2007

**Terms and Conditions of Repeated Seed Testing**

[*1 February 2022*]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Group | Term of repeated testing, counting from the end day of germination capacity analysis. | | |
| 2 years | 1 year | 3 months |
| **1. Seed has been treated with biocontrol agents, plant protection products or chemicals** | | | | |
| 1.1. | seed has been certified in the harvest year, but no later than by 30 June of the year following the harvest year | germination power is at least 5 % higher than the minimum germination power specified in Annex 11 to this Regulation | germination power is lower than that indicated in Column 3 but is not lower than the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power | does not apply |
| 1.2. | the seed has been certified later than the term indicated in Sub-Paragraph 1.1 of this Annex or a repeated inspection has been carried out after the term indicated in Sub-Paragraph 1.1 of this Annex | does not apply | the germination power is not lower than the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power | does not apply |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2. Seed has not been treated with biocontrol agents, plant protection products or other chemicals** | | | | |
| 2.1. | the seed has been certified in the harvest year, but not later than by 30 June of the year following the harvest year, and in accordance with the results of the examination referred to in Paragraph 57 of this Regulation the moisture content in the seed does not exceed: | | | |
| 2.1.1. | buckwheat | the seed moisture does not exceed 16.5 % and the germination power is at least 5 % higher than the minimum germination power specified in Annex 11 to this Regulation | the seed moisture does not exceed 16.5 % and the germination power is lower than that indicated in Column 3 but is not lower than the minimum germination power specified in Annex 12 to this Regulation or the seed has been certified with reduced germination power | the seed moisture exceeds 16.5 % and the germination power conforms to the minimum germination power specified in Annex 12 to this Regulation or the seed has been certified with reduced germination power |
| 2.1.2. | other species | the seed moisture does not exceed 15.0 % and the germination power is at least 5 % higher than the minimum germination power specified in Annex 11 to this Regulation | the seed moisture does not exceed 15.0 % and the germination power is lower than that indicated in Column 3 but is not lower than the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power | the seed moisture exceeds 15.0 % and the germination power conforms to the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power |
| 2.2. | seed has been certified later than the term indicated in Sub-Paragraph 2.1 of this Annex or a repeated inspection has been carried out after the term indicated in Sub-Paragraph 2.1 of this Annex: | | | |
| 2.2.1. | buckwheat | does not apply | the seed moisture does not exceed 16.5 % and the germination power is not lower than the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power | the seed moisture exceeds 16.5 % and the germination power conforms to the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power |
| 2.2.2. | other species | does not apply | the seed moisture does not exceed 15.0 % and the germination power is not lower than the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power | the seed moisture exceeds 15.0 % and the germination power conforms to the minimum germination power specified in Annex 11 to this Regulation or the seed has been certified with reduced germination power |

**Annex 18**

Cabinet Regulation No. 120

13 February 2007

**Content of the Application for the Entry of the Person in the Register of Seed Growers and Traders or Making Changes Therein**

[*1 February 2022*]

1. Information regarding the person:

1.1. for a legal person:

1.1.1. name;

1.1.2. the legal address;

1.1.3. registration number

1.1.4. the contact details (for example, phone number, e-mail address);

1.1.5. the given name, surname of the representative;

1.2. for a natural person:

1.2.1. the given name, surname;

1.2.2. the personal identity number;

1.2.3. the address of the place of residence;

1.2.4. the contact details (for example, phone number, e-mail address).

2. Type of activity which is intended to be pursued.

3. Address (place of location) of facilities, warehouses, shops and other sales locations.

4. Reference to the appended documents.

5. Indication “Personas datus apstrādā saskaņā ar Ministru kabineta 2007. gada 13. februāra noteikumu Nr. 120 “Labības sēklaudzēšanas un sēklu tirdzniecības noteikumi” 90.6punktu” [personal data processed in accordance with Paragraph 90.6 of Cabinet Regulation No. 120 of 13 February 2007, Regulations on the Growing and Marketing of Cereal Seed].

6. Date\* of submitting, given name, surname and signature of the submitter\*.

Note. \* Document details “date” and “signature” shall not be completed, if the electronic document has been drafted in conformity with the laws and regulations regarding drawing up of electronic documents.

**Annex 19**

Cabinet Regulation No. 120

13 February 2007

**Content of the Registration Certificate of the Register of Seed Growers and Traders**

[4 December 2018]

**Annex 20**

Cabinet Regulation No. 120

13 February 2007

**Content of the Seed Testing Report**

[*26 May 2020*]

1. Certification institution.

2. Number of the Seed Testing Report.

3. Given name, address, telephone number and registration code of the person registered in the Seed Grower and Seed Trader Register.

4. Species, variety and category.

5. Lot number, mass (kg) and number of packaging units.

6. Document reference information certifying the origin of seed.

7. Seed sampler, date of taking the average sample, number of seed sample Deed.

8. Name of testing laboratory, date of sample receipt in the laboratory.

9. Purity analysis results.

10. Results of the analysis of other plant species seed additions.

11. Information regarding the presence of wild oats.

12. Mass of 1000 seeds (g).

13. Results of germination power analysis, information about the conditions of determining germination capacity.

14. Temporary germination power evaluation (%) if performed upon request of a person registered in the Register.

15. Moisture content (%), if determined.

16. Pest invasion, if determined upon request of a person registered in the Register.

17. Other analyses.

18. Indication on the conformity of the seed lot with the requirements laid out in this Regulation for the relevant seed category or indication about the non-conformity of the seed lot with the requirements laid out in this Regulation for the relevant seed category or about evaluation of only separate indicators.

19. Indication on the term of a repeated seed lot testing.

20. Seed testing report date of issue\*, issuer position, name, surname, signature\*, stamp\*.

Note. \* Details of the document “date”, “signature”, and “place for a seal” shall not be completed if the electronic document has been drawn up in accordance with the laws and regulations regarding the drawing up of electronic documents.

**Annex 21**

Cabinet Regulation No. 120

13 February 2007

**Content of the Report “Sēklu novērtēšanas rezultāti” [Seed Evaluation Results]**

[26 May 2020]

**Annex 22**

Cabinet Regulation No. 120

13 February 2007

**Content of the Annex to the Seed Certificate**

[4 December 2018]

**Annex 23**

Cabinet Regulation No. 120

13 February 2007

**Maximum Permissible Number of Plants not in Conformity with the Variety in the Post-control of Oat, Barley, Triticale and Wheat**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of evaluated plants | Varietal purity | | | |
| 99.9 % | 99.7 % | 99.0 % | 98.0 % |
| **1000** | 4 | 7 | 16 | 29 |
| 1100 | 4 | 8 | 18 | 31 |
| 1200 | 4 | 8 | 19 | 33 |
| 1300 | 4 | 8 | 20 | 36 |
| 1400 | 5 | 9 | 21 | 38 |
| **1500** | 5 | 9 | 23 | 40 |
| 1600 | 5 | 10 | 24 | 42 |
| 1700 | 5 | 10 | 25 | 45 |
| 1800 | 5 | 10 | 26 | 47 |
| 1900 | 5 | 11 | 27 | 49 |
| **2000** | 6 | 11 | 29 | 52 |
| 2100 | 6 | 12 | 30 | 54 |
| 2200 | 6 | 12 | 31 | 56 |
| 2300 | 6 | 12 | 32 | 58 |
| 2400 | 6 | 13 | 33 | 61 |
| **2500** | 6 | 13 | 34 | 63 |
| 2600 | 6 | 14 | 36 | 65 |
| 2700 | 7 | 14 | 37 | 67 |
| 2800 | 7 | 14 | 38 | 69 |
| 2900 | 7 | 15 | 39 | 72 |
| **3000** | 7 | 15 | 40 | 74 |
| 3100 | 7 | 16 | 41 | 76 |
| 3200 | 7 | 16 | 43 | 78 |
| 3300 | 8 | 16 | 44 | 80 |
| 3400 | 8 | 17 | 45 | 83 |
| **3500** | 8 | 17 | 46 | 85 |
| 3600 | 8 | 17 | 47 | 87 |
| 3700 | 8 | 18 | 48 | 89 |
| 3800 | 8 | 18 | 49 | 91 |
| 3900 | 8 | 19 | 50 | 94 |
| **4000** | 9 | 19 | 52 | 96 |
| 4100 | 9 | 19 | 53 | 98 |
| 4200 | 9 | 20 | 54 | 100 |
| 4300 | 9 | 20 | 55 | 102 |
| 4400 | 9 | 20 | 56 | 105 |
| **4500** | 9 | 21 | 57 | 107 |
| 4600 | 9 | 21 | 58 | 109 |
| 4700 | 10 | 22 | 59 | 111 |
| 4800 | 10 | 22 | 61 | 113 |
| 4900 | 10 | 22 | 62 | 115 |
| **5000** | 10 | 23 | 63 | 118 |
| 5100 | 10 | 23 | 64 | 120 |
| 5200 | 10 | 23 | 65 | 122 |
| 5300 | 10 | 24 | 66 | 124 |
| 5400 | 10 | 24 | 67 | 126 |
| **5500** | 11 | 24 | 68 | 128 |

Minister for Agriculture M. Roze

**Annex 24**

Cabinet Regulation No. 120

13 February 2007

**Maximum Permissible Number of Plants not in Conformity with the Variety in the Post-control of Buckwheat and Rye**

[*26 May 2020*]

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Evaluation area (m2) | Varietal purity (plants to m2) | |
| 1/30 m2 | 1/10 m2 |
| 1. | 5 | 2 | 3 |
| 2. | 10 | 2 | 4 |
| 3. | 15 | 3 | 5 |
| 4. | 20 | 3 | 6 |
| 5. | 25 | 4 | 6 |
| 6. | 30 | 4 | 7 |
| 7. | 35 | 4 | 8 |
| 8. | 40 | 4 | 9 |
| 9. | 45 | 5 | 9 |
| 10. | 50 | 5 | 10 |