

2022 Rule Proposal #15 Combined, Revised

PURPOSE OF RULE PROPOSAL: The purpose of this proposal is to modify the required germination test information that must appear on the report of analysis (ROA) to include the percentage of abnormal seedlings and/or dead seeds present in the germination test.

PRESENT RULE:

Section 6.7 Calculation of germination percentages

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Only the normal seedling, hard seed (if applicable), and dormant seed (if applicable) percentages are required as information on the report of analysis (refer to section 15 k).

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Section 15: Report of analysis

k. When a germination test is conducted the following information must be reported under Germination Test:

- (1) Percentage of normal seedlings as a whole number (refer to section 6.7).
- (2) Percentage of hard seed, if applicable, as a whole number (refer to section 6.7).
- (3) Percentage of dormant seeds, if applicable, as a whole number (refer to section 6.7).

PROPOSED RULE:

Section 6.7 Calculation of germination percentages

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Only the Normal seedling, abnormal seedling and/or dead seed, hard seed (if applicable), and dormant seed (if applicable) percentages are required as information on the report of analysis (refer to section 15 k).

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Section 15: Report of analysis

k. When a germination test is conducted the following information must be reported under Germination Test:

- (1) Percentage of normal seedlings as a whole number (refer to section 6.7).
- (2) Percentage of hard seed, if applicable, as a whole number (refer to section 6.7).
- (3) Percentage of dormant seeds, if applicable, as a whole number (refer to section 6.7).
- (4) Either percentage of abnormal seedlings as a whole number, or percentage dead seeds as a whole number, or both (refer to section 6.7).
(numbering within section k may change, depending on passage of proposal #14)

HARMONIZATION AND IMPACT STATEMENT:

The FSA states that: The complete record shall include the records of all laboratory tests for germination and hard seed for each lot of seed offered for transportation in whole or in part. The record shall show the kind of seed, lot number, date of test, percentage of germination and hard seeds, and such other information as may be necessary to show the method used. The definition of abnormal is referred to in Section 201.56 (a).

This would harmonize with ISTA as ISTA requires the percentage calculated to the nearest whole number of normal seedlings, hard seeds, fresh seeds, abnormal seedlings, and dead seeds.

Canada M&P only requires that the percentage of the germination or germination plus hard seeds calculated to the nearest whole number to be reported on the report of analysis

SUPPORTING EVIDENCE:

N/A

SUBMITTED BY:

The Germination Uniformity Working group: Raymond Shillito, David Johnston, Riad Baalbaki, Bridget Westfall, Marija Topic, Laura Donaldson, Kathy Mathiason, Sari Kopinsky, Matthew Conway, and Heidi Jo Larson; October 1, 2021