

2022 Rule Proposal #8 - Amended

1. PURPOSE OF PROPOSAL:

AOSA Rules Volume 1 Section 6.9.d (1) state that the duration of the prechill period is not included in the germination periods given in Table 6A, but do not state that the predry period is also not included in the germination test periods given in Table 6A. This proposal is to clarify that the predry period is not included in the germination test periods stated in Table 6A.

2. PRESENT RULE:

6.9 Special procedures and alternate methods for germination

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d. **Duration of test.** – The duration of test for each of the various kinds of seeds is given in Table 6A. The following deviations from the prescribed test are permitted:

- (1) The prechilling period is not included in the germination periods given in Table 6A unless otherwise specified.

3. PROPOSED RULE:

6.9 Special procedures and alternate methods for germination

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d. **Duration of test.** – The duration of test for each of the various kinds of seeds is given in Table 6A. The following deviations from the prescribed test are permitted:

- (1) The prechilling period **and the predrying period is are** not included in the germination periods given in Table 6A unless otherwise specified.

4. HARMONIZATION AND IMPACT STATEMENT:

ISTA Rules – The predrying (i.e. preheating) period is not included in the germination test periods. Preheating (i.e. predrying) is a treatment used to promote germination. Section 1.5.2.6 Germination and Section 5.9 Reporting results state “The results of a germination test must be reported in the spaces provided as follows: The actual duration of the test (in days, excluding the period of special treatment or method used for promoting germination).”

FSA Requirements Part 201 – Part 201 does not state that the predrying period is not included in the germination test periods, but it does state that the prechill period is not included in the germination test periods.

§ 201.58 Substrata, temperature, duration of test, and certain other specific directions for testing for germination and hard seed.

(5) Prechill. The term “prechill” means a cold, moist treatment applied to seeds to overcome dormancy prior to the germination test. The prechill method varies among kinds but is usually performed by holding imbibed seeds at a low temperature for a specified period of time. The prechill period is not included in the duration of tests given in table 2, unless otherwise specified.

(6) Predry. The term “predry” means to place the seed in a shallow layer at a temperature of 35° to 40 °C. for a period of 5 to 7 days, with provisions for circulation of the air.

Canadian M&P – The predrying (i.e. preheating) period is not included in the germination test periods. Section 4.8.3 Predrying states “The period of predrying is not included in the germination period specified in Section 4.6.2 Table 5.”

5. SUPPORTING EVIDENCE:

Same as the prechilling treatment, predrying is a special treatment applied to seed prior to the germination test. Since the prechilling treatment is not included in the germination test periods stated in Table 6A, neither should the predrying treatment period be included in the germination test periods.

6. SUBMITTED BY:

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7. DATE SUBMITTED:

October 1, 2021