

2021 Rule Change Proposal 13

1. PURPOSE OF PROPOSAL:

The purpose of this proposal is to add agar as a germination test media and add 20° C as an additional germination test temperature for *Pinus sylvestris*.

2. PRESENT RULE:

AOSA Rules:

Table 6A. Methods of testing for laboratory germination

Kind of seed	Substrata ^a	Temperature (C°)	First count (days)	Final count (days)	Specific requirements and notes	Dormant seed ^f
<i>Pinus sylvestris</i> Scotch pine, Scots pine	TB, PT, TC	20-30		14	Paired tests	Mediterranean sources may need 21 days prechill

3. PROPOSED RULE:

AOSA Rules:

Table 6A. Methods of testing for laboratory germination

Kind of seed	Substrata ^a	Temperature (C°)	First count (days)	Final count (days)	Specific requirements and notes	Dormant seed ^f
<i>Pinus sylvestris</i> Scotch pine, Scots pine	TB, PT, TC, A	20-30, 20		14	Paired tests	Mediterranean sources may need 21 days prechill

4. HARMONIZATION AND IMPACT STATEMENT:

ISTA Rules – This proposal would harmonize the 20° C testing temperature with the current ISTA Rules. A rule proposal will be submitted at the 2021 ISTA annual meeting to add agar as a new germination test media for this species.

FSA/Regs Section 201 – These rules do not list a test method for *Pinus sylvestris*.

Canadian M&P – These rules do not list a test method for *Pinus sylvestris*.

5. SUPPORTING EVIDENCE:

Proposal based upon the statistical analysis of the data of a 2020 ISTA validation study. Details and findings of this project are provided as an attachment.

6. SUBMITTED BY:

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7. DATE SUBMITTED:

October 8, 2020