

AOSA Rule Proposal

Proposal Title:

Modify germination condition of canarygrass (*Phalaris canariensis*).

Purpose of proposal:

Add 15-25°C to the germination method and change the first counting day to 7 days and final counting day to 14 days for canarygrass.

Present rule:

Table 6A. Method of testing for laboratory germination

Kind of Seed	Substrata	Temperature (C)	First Count (days)	Final Count (days)	Specific requirements and notes	Dormant seed
Phalaris canariensis canarygrass	B, T	20-30	3	7		

Proposed rule:

Table 6A. Method of testing for laboratory germination

Kind of Seed	Substrata	Temperature (C)	First Count (days)	Final Count (days)	Specific requirements and notes	Dormant seed
Phalaris canariensis canarygrass	B, T	20-30 15-25	7	14		

Harmonization and Impact statement:

Comparison of Germination Conditions for Canarygrass

Source	Germination Temperature (°C)	First Count (days)	Final Count (days)
ISTA	20–30 or 15–25	7	21
M&P	15–25	7	10

Supporting evidence:

An AOSA referee study report is attached as supporting evidence. The study indicated that the germination of canarygrass showed no significant difference between the two temperature regimes, 15–25 °C and 20–30 °C, from day 7 to day 21.

Regarding counting days, the referee study results showed that the germination percentage was not significantly different between day 14 and day 21. The comparison of repeatability and reproducibility between the two temperature regimes also demonstrated that variation within and among laboratories was similar when seedlings were counted on day 14 and day 21, but not at earlier counts.

These findings support the use of day 7 as the first count, day 14 as the final count, and either 15–25 °C or 20–30 °C as suitable germination temperatures for canarygrass.

Submitted by:

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