

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

- Please be sure you are using the most up-to-date versions of all documents.
Federal Seed Act: [eCFR :: 7 CFR Part 201 -- Federal Seed Act Requirements](#)
Canadian M&P: [MP-2025-English.pdf](#)
AOSA Rules for Testing Seeds, Volume 1
- Submit your answers through the following Survey Monkey Link:
<https://www.surveymonkey.com/r/25-26-PT2>

For the first six questions, select the applicable set of Rules/Regulations for the statement:

1. When the purity analysis is for numbers of impurities (weed seeds of the different classes, sweet clover, other crop seeds, ergot, etc.) per unit weight, the total working sample weight is the total of the quantities given in columns 3, 4, and 5 of Section 2.3.4 Table 1.
 - a. Federal Seed Act
 - b. Canadian M&P
 - c. AOSA Rules for Testing Seeds
2. The working samples for purity analysis and noxious weed seed examination of unmixed seed shall be at least the weights set forth in Table 1.
 - a. Federal Seed Act
 - b. Canadian M&P
 - c. AOSA Rules for Testing Seeds
3. The weight of the working samples for the purity analysis, noxious-weed-seed examination, and bulk examination shall not be less than that prescribed in Table 2A, except as noted. The working weights listed in Table 2A are based on the approximate weight of 2,500 pure seed units for the purity analysis and 25,000 pure seed units for the noxious-weed-seed and bulk examinations (unless otherwise specified in Table 2A).
 - a. Federal Seed Act
 - b. Canadian M&P
 - c. AOSA Rules for Testing Seeds
4. When a germination test is conducted, the following information must be reported under Germination Test: (1) Percentage of normal seedlings as a whole number

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

(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).

- a. Federal Seed Act
 - b. Canadian M&P
 - c. AOSA Rules for Testing Seeds
5. The label shall show the percentage of germination for each kind, kind and variety, kind and type, or kind and hybrid of agricultural seed comprising 5 percent of the whole or less if the seed is identified individually on the label.
- a. Federal Seed Act
 - b. Canadian M&P
 - c. AOSA Rules for Testing Seeds
6. The germination results is to be reported as a percentage germination plus hard seeds (see section 4.10.7.) calculated to the nearest whole number. (See section 4.11.c.) when a germination test was undertaken, or a germination test component was not looked for, enter “-“ in the appropriate space on the Report of Analysis.
- a. Federal Seed Act
 - b. Canadian M&P
 - c. AOSA Rules for Testing Seeds
7. The minimum required size of sample submitted to the laboratory for testing is defined in Section (a)_____ of the Federal Seed Act, Volume 1, Section (b) _____ of the AOSA Rules for Testing Seeds, and in Section 2.3.4, Table (c)_____ of the Canadian M&P.

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

8. For each of the following species, **select all** applicable Rule/Regulations with guidelines for using the Uniform Blowing Procedure.
- a. *Poa pratensis* (Kentucky Bluegrass)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - b. *Poa compressa* (Canada Bluegrass)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - c. *Poa trivialis* (Rough Bluegrass)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - d. *Puccinellia distans* (Alkaligrass)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - e. *Paspalum notatum* ('Pensacola' Bahiagrass)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - f. *Agrostis gigantea* (Redtop)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - g. *Agrostis* spp. ("other *Agrostis* species")
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
 - h. *Dactylis glomerata* (Orchardgrass)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

- i. *Bouteloua gracilis* (Blue Grama)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds
- j. *Bouteloua curtipendula* (Side-oats grama)
 - a) Federal Seed Act
 - b) Canadian M&P
 - c) AOSA Rules for Testing Seeds

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

For the following questions, refer to the Federal Seed Act.

9. **True or False** The Federal Seed Act specifies what type of divider must be used for each species.
10. Seeds consisting of more than one kind or variety, each present in excess of 5 percent by weight of the whole are a:
- Lot of seed
 - Mixture
 - Hybrid
 - Off-type
11. In a noxious-weed seed test, the number of individual seeds shall be determined in (select all that apply):
- Capsules of dodder (*Cuscuta* spp.)
 - Berries of nightshade (Solanaceae)
 - Seeds of johnsongrass (*Sorghum* spp.)
 - Burs of cocklebur (*Xanthium* spp.)
12. When only a germination test is required and the pure seed is found to be less than 98 percent, the seed for the test shall be obtained by separating the sample into two components; pure seed, and other crop seed, weed seed, and inert matter. In making this separation, at least _____ of the quantity required for a regular purity analysis shall be used.
- 1/2
 - 1/3
 - 1/5
 - 1/4
13. **True or False** A fungal endophyte test may be used to determine the amount of fungal endophyte (*Acremonium* spp.) in certain grasses.

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

14. Classes of certified seed are (select all that apply):
- Registered
 - Breeder
 - Foundation
 - Certified
15. The tolerance for pure live seed shall be determined by applying the respective tolerances to the germination plus the _____ and dormant seed, and pure seed.
- Hard seed
 - Abnormal seedlings
 - Dead seeds
 - Weed seed
16. No more than _____ months shall have elapsed between the last day of the month in which the germination test was completed and the date of transportation or delivery for transportation in interstate commerce.
- 6
 - 8
 - 12
 - 5
17. Each person transporting or delivering for transportation in interstate commerce agricultural or vegetable seed subject to the Act shall keep for a period of (a)_____ a complete record of each lot of such seed so transported or delivered, including a sample representing each lot of seed, except that any seed sample may be discarded (b)_____ after the entire lot represented by such sample has been disposed of by such person.
18. Blank spaces on the label shall be determined to imply the word “_____”.
- None
 - Undetermined
 - Free
 - Not tested

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

The following questions reference the AOSA Rules for Testing Seeds.

19. According to the AOSA Rules, “The trier commonly referred to as the ‘ _____ ’ is not appropriate for obtaining a representative seed sample, because it obtains seed only from the outermost portion of the container.”
- Nobbe Type
 - Double Sleeve
 - Thief Trier
 - Partitioned Trier
20. **True or False** Only samples submitted for mechanical seed counts shall be packed in moisture-proof containers.
21. **True or False** If the allowed extension of a germination test falls on a weekend or public holiday, the test may be extended to the first working day following.
22. TZ is a biochemical seed viability test using the compound 2,3,5 triphenyl tetrazolium chloride, which is reduced to _____ in the presence of living (actively respiring) tissue.
23. Methods for conducting seedling tests to determine the effectiveness of inoculations of preinoculated legume seed are outlined in _____.
- AOSA Vigor Testing Handbook
 - AOSA Handbook 30
 - AOSA Rules Volume 2
 - AOSA ROA Handbook
24. The two methods for moisture determination are:
- Electronic moisture balance; room air
 - Air-oven; room air
 - Manual moisture scale; air-oven
 - Air-oven; electronic moisture balance

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

25. Species with specific proven methods for mechanical seed counts in the AOSA

Rules are (select all that apply):

- a. Soybean (*Glycine max*)
- b. Corn (*Zea mays*)
- c. Cotton (*Gossypium* spp.)
- d. Wheat (*Triticum aestivum*)
- e. Kale (*Brassica rapa* subsp. *rapa*)
- f. Field bean (*Phaseolus vulgaris*)

Deadline: Friday, February 27, 2026

For these questions, refer to the Canadian Methods and Procedures for Testing Seed.

26. Classify the following floret as a single or multiple unit according to the Canadian M&P:



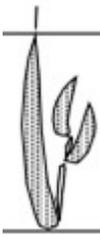
- a. Single
- b. Multiple

27. Classify the following floret as a single or multiple unit according to the Canadian M&P:



- a. Single
- b. Multiple

28. Classify the following floret as a single or multiple unit according to the Canadian M&P:



- a. Single
- b. Multiple

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

29. Classify the following floret as a single or multiple unit according to the Canadian M&P:



- a. Single
 - b. Multiple
30. In the Canadian M&P, if a purity sample is found to have a percentage by weight of a particular component (such as other crop seeds) that lies within the limits given in the appropriate table of checking limits, between which a check test is required for the grade line in questions, the sample is classified as:
- a. Passing
 - b. Failing
 - c. Graded
 - d. On-the-line
31. What is the minimum number of pure seeds that must be tested for germination?
- a. 600
 - b. 200
 - c. 400
 - d. 800
32. What column of Table 1 does not apply to Grade Table XIV or XV?
- a. 3
 - b. 7
 - c. 6
 - d. 5
 - e. 4

2025-2026 Proficiency Test #2
Federal Seed Act, Canadian M&P, AOSA Rules

Deadline: Friday, February 27, 2026

33. Results obtained on tests to determine percentage by weight of components or impurities (e.g. % pure seed, % inert, %ergot, etc.) must be given to how many decimal places?
- One
 - Two
 - Three
 - Four
34. On a germ test, these counts should be conducted if continued growth of seedlings would hamper evaluation at the final count.
- First counts
 - Early counts
 - Intermediate counts
 - Extension counts
35. A phytotoxicity test must be conducted to compare substratum of unknown quality with one in stock of acceptable quality. What species, according to the M&P, are known to be sensitive to toxic substances in substratum and should be used for this test? (select all that apply)
- Cichorium intybus*
 - Allium porrum*
 - Phleum pratense*
 - Festuca rubra*
 - Anthyllis vulneraria*
 - Lactuca sativa*
 - Agrostis gigantea*
 - Phaseolus vulgaris*

