

2024 RULE CHANGE PROPOSAL 12

1. **PURPOSE:** To add Asteraceae family - Flower seedlings with tall hypocotyls – ex. *Tagetes spp.* Marigold

2. **PRESENT RULE:**

None

3. **PROPOSED RULE:**

This rule would add a page to AOSA Rules for Testing Seeds Volume 4. Seedling Evaluation which describes how to evaluate flower seedlings that have tall hypocotyls with *Tagetes spp.* (marigold) as the example.

4. **HARMONIZATION AND IMPACT STATEMENT:**

ISTA Handbook on Flower Seed Testing has a page that is specifically about *Tagetes spp.* This rule proposal criteria matches the criteria layed out for *Tagetes spp.* in the ISTA Handbook on Flower Seed Testing. Canada Methods and Procedures do not mention tall hypocotyls with *Tagetes spp.* and neither does AOSA Rules. Flower seedlings with tall hypocotyls are commonly used in the flower industry, so this addition would be helpful for those types of species.

5. **SUPPORTING EVIDENCE:**

Germination methods

The supporting evidence is following criteria from other Asteraceae family evaluation pages from the AOSA Rules for Testing Seeds Volume 4 Seedling Evaluation publication, and different seedling pictures were voted on within the AOSA/SCST Flower Seed Committee to determine if seedlings were normal or abnormal. The ISTA Handbook on Flower Seed Testing was also referenced to make sure we are producing a page with the same guidelines as ISTA.

References

1. AOSA Rules for Testing Seeds. 2022. Association of Official Seed Analysts, Inc. Washington, DC, USA.
2. International Seed Testing Association. 2023. ISTA International Rules for Seed Testing. Bassersdorf, Switzerland.
3. ISTA Handbook on Flower Seed Testing Second Edition 2020. International Seed Testing Association. Bassersdorf, Switzerland.

6. **SUBMITTED BY:**

Sarah Dammen, RST
SGS
1405 32nd Ave
Brookings, SD 57006
Email: sarah.dammen@sgs.com
Phone: 605-692-7611
Fax: 605-692-6657

7. **Date Submitted:**

October 13, 2023