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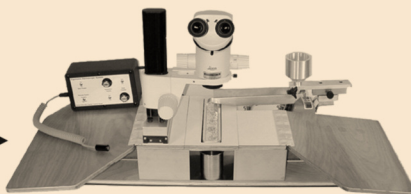
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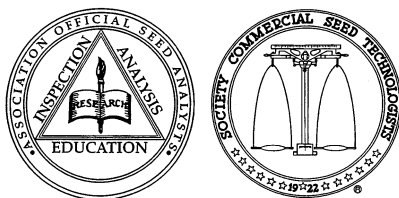


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Seed Technology

THIS JOURNAL is co-sponsored by the two predominant organizations in North America with a direct interest in seed technology: the Association of Official Seed Analysts and the Society of Commercial Seed Technologists.

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AIMS AND SCOPE – *Seed Technology* is an international journal containing scientific and technological papers in all areas of Seed Science and Technology. The emphasis is on applied and basic research in seed physiology, pathology and biology that may relate to seed development, maturation, germination, dormancy and deterioration. Studies on seed production, sampling, testing, conditioning, distribution and storage are also included. Short communications from seed analysts and technologists are encouraged and will be published as Seed Tech Notes. These notes include new techniques, standardization of laboratory tests and documentation of anatomical and pathological observations of seed and seedling development. The journal also includes timely review articles of seed technology that may relate directly to the seed industry.

TYPES OF PAPERS – Original research papers, review articles and Seed Tech Notes are reviewed for publication. All manuscripts should be submitted online. Potential authors should note that there are no page charges and reprints can be ordered directly from the printer at a minimal fee. Refer to the last pages of this volume (Instructions to Authors) for detailed instructions regarding manuscript submissions.

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Seed Technology

Instructions to Authors

Seed Technology is an international journal that publishes original papers, review articles, technical notes and symposia in all areas of seed science and technology. This includes information from applied and basic seed research in physiology, pathology and biology for all plant species. The journal relates to individuals interested in seed production, sampling, testing, conditioning, distribution and storage of agronomic, horticultural and forest and native seed crops. Papers are accepted on the understanding that they have not been published or submitted to any other scientific journal. The criteria for acceptance are originality, quality of research and interest to readership. Manuscripts are peer-reviewed with final acceptance resting with the Editorial Board. The journal is published two times per year and is available as paper copies by contacting: SCST Business Office, 653 Constitution Ave. NE, Washington, D.C. 20002, USA (phone: 202-870-2412). Subscription information, paper and electronic copies, and order forms are also available online through the journal's website: <http://www.stjournal.org>.

Manuscripts must be clearly written using proper English. If English is not the primary language of the author, the manuscript should be reviewed by someone proficient in English prior to submission. Manuscripts can only be submitted online; see “**Guidelines for Submission**” at the end of the instructions. Five types of submissions will be considered for publication:

- a. **Full-length manuscripts** should report new information to the subject area or expand on established knowledge to contribute additional information of value. Manuscripts undergo peer review to determine that adequate scientific methods were applied, that interpretations and conclusions are valid, and that all aspects of the study are adequately presented.
- b. **Seed Tech Notes** are appropriate for the reporting of seed laboratory or seed production research that may not justify a full paper, but provide important information of potential practical importance. This may include new techniques or developments, standardization of old techniques or anatomical, pathological or other documentation of seed or seedling development. Seed Tech Notes also undergo peer review. The requirements for such notes are described below.
- c. **Technical Papers** presented orally or by poster at the annual meeting of the Association of Official Seed Analysts (AOSA) and Society of Commercial Seed Technologists (SCST) are invited, which cover topics of general interest to the seed biologist or technologist.
- d. **Symposia** or workshops presented to the AOSA/SCST membership may be recorded in the journal for future reference. Organizers should prearrange with the Editor to receive papers from the presenters of symposia and workshops within a specified timeframe for inclusion in a single journal issue.
- e. **Review articles** are welcomed by special prior arrangement with the Editor. Reviews should cover a summary of a seed biology or seed technology topic

or an evaluation of a seed science or technology related publication. The content of reviews should have a strong technical and/or scientific base.

INSTRUCTIONS FOR FULL LENGTH MANUSCRIPTS

Instructions for full length manuscripts should be carefully reviewed to ensure that the submission complies with *Seed Technology* standards and requirements. **If these guidelines are not closely adhered to, papers will be returned to authors for revision or released from further consideration for the journal.**

Manuscripts should be arranged in the following order: **Title, Author(s), Abstract, Introduction, Materials and Methods, Results, Discussion** (Results and Discussion may be combined), **Conclusions** (optional), **Acknowledgments** (optional), **References, Tables, Captions for Figures and Figures**. Do not include a list of keywords. The title should be concise (10 to 12 words) but informative, containing key words which describe the subject matter for use in abstracting systems. The name of the author(s) should be placed below the title with an asterisk (*) after the name of the corresponding author.

The **abstract** should concisely summarize the entire scope of the paper including findings and conclusions without reference to text or figures. **All categories of manuscripts or papers submitted to the journal must have an abstract.** It should appear immediately below the title and author names and consist of not more than 250 typed words. **Authors may provide a translation of the abstract in one additional language, which will be printed in the journal following the primary abstract in English.** Availability of abstracts in alternate languages should be discussed with the Editor early in the submission process. Accuracy in regard to content and grammar of the second abstract is the responsibility of the corresponding author.

Main headings are centered on each page and capitalized in bold type. Secondary headings begin at the left margin with the first letter capitalized and the entire heading in bold print. Use of a previous issue of the journal as a guide to format is recommended.

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Abbreviations. Use standard abbreviations (for example, Fig., RH, °C) listed in *Scientific Style and Format*, SI units and chemical element symbols without definition. Other abbreviations should be defined at first usage in the abstract or text and may be used thereafter without further definition, and again in every table and figure. Names of states, provinces and countries should be abbreviated following city names, using appropriate abbreviations of the postal service in that country.

Units. Metric units must be used for all measurements and the SI system (Système International d'Unités) used insofar as possible.

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- AOSA. 2017. Rules for testing seeds, Vol. 1. Principles and procedures. Assoc. Offic. Seed Anal., Washington, D.C., USA.
- Bernard, R.L. and M.G. Weiss. 1973. Qualitative genetics. p. 117–154. *In Soybeans: improvement, production, and uses*. B.E. Caldwell, R.W. Howell, J.W. Judd and H.W. Johnson (eds.). 1st ed. Agron. Monogr. 16. ASA, CSSA, and SSSA, Madison, WI.
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- Gupta, S.D. and Y. Ibaraki. 2015. *Plant image analysis: fundamentals and applications*. CRC Press.
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Vieira, R.D., A.L. Penariol, D. Perecin and M. Panobianco. 2002. Condutividade elétrica e teor de água das sementes de soja (*Electrical conductivity and initial water content of soybean seeds*). *Pesq. Agrop. Bras.* 37(9): 1333-1338.

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Manuscripts resulting from symposia on seed biology or technology topics will be considered for publication in a single volume of *Seed Technology* by prearrangement with the Editor. Manuscripts may originate from symposia sponsored by the Association of Official Seed Analysts or the Society of Commercial Seed Technologists or from appropriate seed symposia sponsored by other organizations. Symposia organizers desiring to publish a set of manuscripts in *Seed Technology* must solicit the Editor with the following information: (i) title, date and location of the symposium, (ii) the organization affiliated with the symposium, (iii) names, addresses, e-mail and telephone numbers of symposium organizers and (iv) titles and abstracts for each paper to be considered for publication. Symposia papers are subject to the usual format described above for *Seed Technology* and will be reviewed by the editorial board prior to acceptance for publication.

FULL-LENGTH PAPERS

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