

Seed Testing Research Foundation (STRF)

Small-Scale Research Proposals

INTRODUCTION

The STRF Proposal Review committee will consider funding of small-scale projects that are quickly and relatively inexpensively (Budget of \$500 to \$1,000) completed and answer a practical seed testing research question.

REQUIREMENTS

Applicants must submit a one-page description of the project using the following template:

STRF One Page Research Proposal Template

Date: [Enter the date the proposal is submitted]

Title: [Provide a brief title for the research proposal]

Purpose of Study: [In one or two sentences, describe the purpose of the study]

Justification: [Briefly describe the background and compelling reasons for conducting this research]

Research Design: [State the experimental design for the project]

Research Method: [Briefly describe how the research work plan, including the evaluation criteria]

Publication of Results: [How will the results of the project be disseminated?]

Budget: [Provide a listing of project needs and pricing]

Estimated Completion Date (A report is due 12 months after funding): [When will the project conclude?]

Investigator Contact Information: [List the name, address, phone and email of the primary contact for the research]

An example proposal can be found on page 2.

PROCESS

As funds are available to support research projects, a Request for Proposals (RFP) will be advertised with a deadline for submission. All complete applications submitted by the deadline will be considered for awards. Applicants will be notified within 30 days of the deadline if the project is to be funded.

SELECTION CRITERIA

Applications will be reviewed by the Proposal Review Committee and scored based on alignment and intent (proposed project is in alignment with STRF's purpose of practical seed testing research); technical merit (work plan is novel, well-designed and ready to be implemented at the time of the award); achievability (the project can be completed as described); and, budget (sufficient resources have been detailed to complete the project). Submitting entity is not required to be an AOSA or SCST member laboratory.

AWARD PROCESS

Awardees will be contacted by the Research Proposal Review Committee Chair to arrange payment. A progress report is expected at the mid-point of the project and a final report is due within 12 months.

CONTACT

Questions can be directed to the Proposal Review Committee Chair.

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[Add contact info]

STRF One Page Research Proposal Template

1. **Date:** February 15, 2017
2. **Title:** Determine if TCS (on top of creped cellulose paper without a blotter and covered with ½ to ¾ inch layer of sand) substrate method is equivalent to S (Sand) or T (paper toweling) as a germination methods for Cereal Grains.
3. **Purpose of Study:** Add the TCS germination method as an option for wheat, barley, rye, triticale and sorghum in the AOSA Rules for Testing Seeds.
4. **Justification:** Consistent germination moisture levels can be obtained by adding water to the creped paper, planting seed and covering with dry mason sand. Sand tests reduce light penetration resulting in less fungal mycelium growth and questionable seedlings.
5. **Research Design:** Utilize randomized block design with four replicates, 10 seed lots, 3 media methods (T, S & TCS) and 4-6 laboratories.
6. **Research Method:** Response variables would be normal, abnormal, diseased seedlings and dead/dormant seed. Laboratories would receive freshly harvested seed lots to test in 3 media methods. Once testing completed data would be compiled and placed in a database and analyzed for LSD and significant differences.
7. **Publication of Results:** Results, if supportive, would be used as part of an AOSA Rule Proposal and published in the newsletter.
8. **Estimated Completion Date:**
9. **Budget:** \$1,000 for mailing, seed and participant fee (materials and labor).
10. **Investigator Contact Information:** Jane Doe, ABC Lab, 123 Seed Way, Washington DC 00000, (000) 000-0000; jane.doe@seedlab.com