**THE MAIZE TRUST**

**PROPOSAL FOR NEW MYCOTOXIN RESEARCH PROJECTS**

**Submission deadline 30 April 2022**

**E-mail completed applications to** **pretorza@ufs.ac.za** **and** **beatrix@llagri.co.za**

**1. Details of principal investigator**

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| --- | --- |
| **Title, initials and surname of applicant:** |  |
| **National identification number:** |  |
| **Citizenship:** |  |
| **Qualifications, university and year obtained:** |  |
| **Name and physical address of institution/employer:** |  |
| **Years employed at current institution:** |  |
| **Office telephone and mobile no.:** |  |
| **E-mail address:** |  |
| **Website:** (*if applicable*) |  |
| **Experience in mycotoxin research:** (*maximum 100 words*) |  |
| **The applicant’s 5 most significant papers or book chapters on mycotoxins:** (*provide full references*) |  |
| **Total no. of refereed publications, conference contributions and other scholarly outputs:**  |  |
| **h-index (Scopus):** |  |
| **Previous Maize Trust grant holder:** (*Yes / No*) |  |

**2. Project title, duration and collaboration**

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| **Project title:** |  | **Project no.** (*official use*) |
| **Duration:** |  |
| **Collaborator name:** | **Institution:** | **Role:** |
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**3. Summary of proposed research** (*please read the instructions*)

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| **Goal** | **Motivation why this is important (max 200 words)** |
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| **Hypothesis / research questions / approach to address project goal** |
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| **Assumptions** |
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**4. Project details** (*complete only for applicable MT objectives; deleted others*)

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| **STRATEGIC OBJECTIVE 1: To establish the magnitude of mycotoxin contamination of maize during the stages of its production, storage, and processing in South Africa** |
| **Activities: (***tasks to be completed***)** |
| **Short and long term outcomes for each activity listed above:** | **Milestones and timelines** | **Means of verification** | **Risks / Assumptions** |
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| *Please add rows as required* |  |  |  |
| **STRATEGIC OBJECTIVE 2: To regularly monitor the occurrence of the fumonisins, aflatoxins, zearalenone, and trichothecenes (DON and NIV) in locally produced and imported maize** |
| **Activities: (***tasks to be completed***)** |
| **Short and long term outcomes for each activity listed above:** | **Milestones and timelines** | **Means of verification** | **Risks / Assumptions** |
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| **STRATEGIC OBJECTIVE 3: To determine the factors which contribute to mycotoxin contamination during the production (pre-harvest), storage (post-harvest) and processing of maize** |
| **Activities: (***tasks to be completed***)** |
| **Short and long term outcomes for each activity listed above:** | **Milestones and timelines** | **Means of verification** | **Risks / Assumptions** |
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| **STRATEGIC OBJECTIVE 4: To develop practical, affordable and environmentally sound methods to manage toxigenic fungi in maize, with emphasis on introducing resistance in local maize cultivars** |
| **Activities: (***tasks to be completed***)** |
| **Short and long term outcomes for each activity listed above:** | **Milestones and timelines** | **Means of verification** | **Risks / Assumptions** |
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| **STRATEGIC OBJECTIVE 5: To support the development of sound mycotoxin risk management practices in the maize supply chain to ensure the delivery of safe products to the consumer** |
| **Activities: (***tasks to be completed***)** |
| **Short and long term outcomes for each activity listed above:** | **Milestones and timelines** | **Means of verification** | **Risks / Assumptions** |
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**5. Institutional information** (*provide a brief summary of the history of your institution’s involvement in maize research and policies for BEE, equity, ownership and skills development; mention outreach activities with stakeholders and how you will ensure dissemination of information*)

**6. Budget details**

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| **Funding request**  | **Project total amount** | **MT funding requested** | **Maize Trust %** |
| **Personnel / Bursaries:** (*specify position and remuneration scale*) |  |  |  |
| **Outsourcing of research activities / services:** (*specify*) |  |  |  |
| **Operational expenses:** (*provide a reasonable breakdown of costs for consumables, local travel etc.*) |  |  |  |
| **International visits and conference attendance:** (*motivate briefly*) |  |  |  |
| **Capital equipment:** (*specify item and motivate briefly; attach two quotations*) |  |  |  |
| **Total budget** |  |  |  |

**7. Names of reviewers** (*provide the names and contact details of 4 South African and 4 international reviewers*)

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| **Names of South African reviewers** | **Institute, e-mail address and association with applicant** |
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| **Names of international reviewers** | **Institute, e-mail address and association with applicant** |
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| **Reviewers to be excluded** |  |
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**8 Signatures of Applicant and Research Authority** (*to be completed in full*)

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**Name and Signature of Applicant; Place and Date**

**………………………………..……………………………………………………….………………**

**Name, Signature and Position of Authorized Manager; Place and Date**

The Manager, by his/her signature, warrants that he/she is authorised to submit this application and to accept the Maize Trust’s Norms and Conditions for funding on behalf of the applicant.