

# THE MAIZE TRUST

## ATTACHMENT A

### PROPOSAL FOR NEW MYCOTOXIN RESEARCH PROJECTS

Submission deadline **26 April**

E-mail completed applications to [albertsh@cput.ac.za](mailto:albertsh@cput.ac.za),  
[admin@agrimanage.co.za](mailto:admin@agrimanage.co.za) and [beatrix@agrimanage.co.za](mailto:beatrix@agrimanage.co.za)

#### 1. Details of principal investigator

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: <i>(if applicable)</i>	
Field of expertise	
Experience in mycotoxin research: <i>(maximum 100 words)</i>	
The applicant's 5 most significant papers or book chapters on mycotoxins: <i>(provide full references)</i>	
The applicant's 5 most significant papers or book chapters in the field of expertise <i>(provide full references)</i>	
Total no. of refereed publications, conference contributions and other scholarly outputs:	
h-index (Scopus):	
Previous Maize Trust grant holder: <i>(Yes / No)</i>	

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

Project title:		Project no. <i>(official use)</i>
Duration:		
Collaborator name:	Institution:	Role:

**3. Summary of proposed research** *(please read the instructions)*

<b>Goal</b>	<b>Motivation why this is important (max 200 words)</b>
<b>Hypothesis</b>	
<b>Assumptions</b>	

**4. Project details** *(complete only for applicable MT objectives; delete others)*

<b>STRATEGIC OBJECTIVE 1: To establish the magnitude of mycotoxin contamination of maize during the stages of its production, storage, and processing in South Africa</b>			
<b>Activities:</b> <i>(tasks to be completed)</i>			
<b>Short and long term outcomes for each activity listed above:</b>	<b>Milestones and timelines</b>	<b>Means of verification</b>	<b>/ Assumptions</b>
<i>Please add rows as required</i>			

**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
<i>Please add rows as required</i>			

**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

<i>Please add rows as required</i>			
<b>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</b>			
<b><u>Activities:</u> (tasks to be completed)</b>			
<b>Short and long term outcomes for each activity listed above:</b>	<b>Milestones and timelines</b>	<b>Means of verification</b>	<b>Risks / Assumptions</b>
<i>Please add rows as required</i>			
<b>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</b>			
<b><u>Activities:</u> (tasks to be completed)</b>			
<b>Short and long term outcomes for each activity listed above:</b>	<b>Milestones and timelines</b>	<b>Means of verification</b>	<b>Risks / Assumptions</b>

<i>Please add rows as required</i>			

**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

Funding request	Project total amount	MT funding requested	Maize Trust %
<b>Personnel:</b> (specify position and remuneration scale; student bursaries should NOT be included here and can be applied for at <a href="http://www.agrimanage.co.za">www.agrimanage.co.za</a> )			
<b>Outsourcing of research activities / services:</b> (specify)			
<b>Operational expenses:</b> (provide a reasonable breakdown of costs for consumables, local travel etc.)			
<b>International visits and conference attendance:</b> (motivate briefly)			
<b>Capital equipment:</b> (specify item and motivate briefly; attach two quotations)			
<b>Total budget</b>			

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

<b>Names of South African reviewers</b>	<b>Institute, e-mail address and association with applicant</b>
<b>Names of international reviewers</b>	<b>Institute, e-mail address and association with applicant</b>

**8 Signatures of Applicant and Research Authority** *(to be completed in full)*

.....  
**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.*