



SWAZILAND ENVIRONMENT AUTHORITY

APPROVAL TO IMPORT GENETICALLY MODIFIED COTTON SEED

APPROVAL NUMBER: IMP01SEA2018	DATE OF ISSUE: 25 APRIL 2018 VALID UP TO: 30 NOVEMBER 2018 (This permit is not transferrable)
<p>In accordance with The Biosafety Act, 2012 and its Draft Regulations 4, 6, 7 and 11, approval is hereby granted to the Swaziland Cotton Board to import genetically modified cotton seed for the purpose of commercial release.</p>	
1.0 Name of the Applicant Swaziland Cotton Board Mancishane Street Crop Promotion Unit P O Box 230 Manzini Tel: +268 25052775	2.0 To import from: India, Transit South Africa <hr/> 2.1 Name and address of supplier: JK Agri-Genetics Ltd 1-10-177 Van Towers IV Floor Begampet Hyderabad, 500016 Telangana India <hr/> 2.2 Country of supplier: India

	2.3 Country of destination: Swaziland
3.0 Identity of the genetically modified organism	Insect Resistant Cotton Mr. S K Gupta Resistance to antibiotics – Kanamycin Resistance to disease and pests – Insects – Lepidoptera (butterflies and moths)
4.0 Specification of the genetic modification	<p>This modified cotton contains the insecticidal Cry1Ac gene which imparts resistance against Lepidoptera. The LMO also contains the selectable markers Npt II to isolate transformed seedlings and a GUD gene cassette as a reporter gene.</p> <p>Bt cotton was generated by using the biolistic method of transformation system. The transformed cotton shoots containing the Npt II gene were selected on medium supplemented with kanamycin. A procedure of biolistic method of transformation of cotton is novel and performed using shoot meristem. Plants were regenerated and ultimately plantlets were grown in soil and assayed for insect resistance.</p> <p>The Cry1Ac gene in the Indian inbred line behaves as a single dominant Mendelian factor and is stably integrated in the plant genome.</p>
5.0 Quantity approved	5000 kg
6.0 Purpose	Introduction into the Environment / Commercial Release
<p>This approval is granted subject to the following conditions-</p> <ol style="list-style-type: none"> 1. Transit Permits from any country that the GM seed with transit should be sought by the Operator (applicant/supplier). 2. Export Permit from the exporting country should be sought by the Operator (applicant/supplier) 3. The Applicant and Transporter (Operators) should take full responsibility for the load in 	

transit, and should be aware of the Emergency Response Measures of GMO consignments

4. Spillages during transportation should be prevented
5. Every consignment should be accompanied by an import permit
6. Remaining seed should be declared to the SEA and stored in a safe storage

7.0 The applicant should meet the following requirements for conveyor shipment

The dictates of Article 7 of the Cartagena Protocol on Biosafety on the Advance Informed Agreement procedure, by acquiring the Export Permit and Transit Permit(s) of the LMO intended for commercial release.

Name: **Ishmael G Ndwandwe**

Place: **Mbabane**

Signature: _____

**The Acting Executive Director
Swaziland Environment Authority**

Date: **25 April 2018**