

## Biosafety Clearing-House (BCH)

RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS (RA)

BCH-RA-MY-104896-2

LAST UPDATED: 17 MAY 2022

## General information

Country

Malaysia

Title of the risk assessment

RISK ASSESSMENT REPORT OF THE GENETIC MODIFICATION ADVISORY COMMITTEE (GMAC)  
FOR AN APPLICATION FOR APPROVAL FOR CONFINED FIELD EVALUATION OF DELAYED  
RIPENING TRANSGENIC EKSOTIKA PAPAYA

EN

Date of the risk assessment

13 May 2013

Competent National Authority(ies) responsible for the risk assessment

- **COMPETENT NATIONAL AUTHORITY:** BCH-CNA-MY-48230-13 | **BCH-CNA-MY-48230-13**

## COMPETENT NATIONAL AUTHORITY

Department of Biosafety Malaysia  
Ministry of Environment and Water Level 4, Block F11, Complex F Lebuhr Perdana Timur,  
Precinct 1  
Putrajaya  
62000, Malaysia  
Phone: +603 80917 317  
Fax: +603-8091 7371  
Email: [dob@biosafety.gov.my](mailto:dob@biosafety.gov.my)  
Website: <http://www.biosafety.gov.my>

Contact details of the main responsible risk assessor

- **PERSON:** DR. NORWATI ADNAN | **BCH-CON-MY-254013-4**

## PERSON

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## Risk assessment details

Living modified organism(s)

[BCH-LMO-SCBD-104889-1](#) | Papaya modified for delayed ripening | Ms Rogayah Sekeli Changes in physiology and/or production - Ripening Resistance to antibiotics - Kanamycin

Scope of the risk assessment

LMOs for introduction into the environment

Risk assessment report / summary

? [GMAC Assessment Report Papaya Field Trial \( English \)](#)

## Methodology and points to consider

Potential adverse effects identified in the risk assessment

Please refer to Risk Assessment Report

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Likelihood that the potential adverse effects will be realized

Please refer to Risk Assessment Report

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Possible consequences

Please refer to Risk Assessment Report

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Estimation of the overall risk

Please refer to Risk Assessment Report

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Recommendation(s) on whether the risks are acceptable/manageable and any management strategies

Recommendation is that the field trial is approved with terms and conditions as it does not endanger biological diversity or human, animal and plant health. Terms and conditions are imposed as risk management strategies.

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Receiving environment(s) considered

Please refer to Risk Assessment Report

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LMO detection and identification methods proposed

PCR and Southern blotting can be used to demonstrate the presence of the introduced *ACO2* and *nptII* genes.

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### Information sharing with other databases

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Is this risk assessment related to an LMO for commercial use?

No

### Additional Information

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Other relevant website addresses and/or attached documents

? [Department of Biosafety Malaysia \( English \)](#)

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## Further Information

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Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

**Secretariat of the Convention  
on Biological Diversity**

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