



ADVISORY COMMITTEE ON RELEASES TO THE ENVIRONMENT

Advice on a notification for marketing of insect resistant and herbicide tolerant GM maize

Notifier:	Pioneer Hi-Bred International Inc. and Mycogen Seeds
Notification reference:	NL/00/10
Product:	Maize genetically modified for insect resistance and herbicide tolerance, transformation event 1507.
Scope:	For the import and use of grain varieties derived from maize transformation event 1507, and conventional hybrids, as for any other maize excluding cultivation.
Date:	25 September 2003

Advice of the Advisory Committee on Releases to the Environment (ACRE) under S.124 of the Environmental Protection Act 1990 (Part VI) to the Secretary of State for Environment, Food and Rural Affairs, Scottish Ministers, Ministers of the Welsh Assembly Government and the Department of Environment (Northern Ireland).

Primary advice: ACRE has considered this notification for the import and use of insect resistant and herbicide tolerant maize based on transformation event 1507. The Committee considers that sufficient information has been provided by the notifier to demonstrate that import and use of 1507 maize does not pose risks to human health and the environment. In coming to this conclusion ACRE have taken account of the advice of the Advisory Committee on Animal Feedingstuffs (ACAF). However, ACRE considers that the following additional information is required by the regulatory authorities.

1. Further details concerning the PCR-based event-specific detection protocol.

Comment

Molecular characterisation

ACRE considered carefully the thorough molecular characterisation of transformation event 1507 provided. The Committee is content that the data provided support the conclusions, and that the event (including rearrangements) has been thoroughly characterised and potential risks evaluated appropriately.

The Committee requests clarification concerning the PCR-based event-specific detection protocol. There is a discrepancy between this notification and information provided in notification C/ES/01/01. On page 63 of notification C/ES/01/01 it is stated that the amplified fragment is between the 3' end of the insert and adjacent sequence

showing homology to the ORF25PolyA terminator whereas in Annex 4C of this notification it states that the primers span the 3' end of the insert and an inverted repeated version of the *Cry1F* gene.

Animal feed safety

On the basis of the evidence supplied by the notifier ACRE and ACAF are satisfied that maize line 1507 is as safe as any other commercial maize line when used as feed for animals and that its use poses no risks for consumers of animal products. The Committees are also satisfied that the Cry1F protein does not pose a risk for animals consuming maize line 1507 or for consumers of products derived from animals fed this line.

Environmental risk assessment

As maize does not grow or survive outside cultivated fields, ACRE agrees with the conclusions of the environmental risk assessment.

Post market monitoring

The aim of the case-specific part of the post market monitoring plan is to investigate risks identified in the ERA, and also to test any assumptions included in the ERA. The Committee does not consider that any case-specific monitoring is required in this case.