

**FORMAT FOR THE PRESENTATION OF THE RESULT OF  
DELIBERATE RELEASE INTO THE ENVIRONMENT OF  
GENETICALLY MODIFIED HIGHER PLANTS IN ACCORDANCE  
WITH ARTICLE 10 OF DIRECTIVE 2001/18/EC**

**1. GENERAL INFORMATION**

*1.1 European notification number*

B/ES/07/34

*1.2 Member State of notification*

Spain

*1.3 Date of consent and consent number*

16/02/2007

**2. REPORT STATUS**

*2.1 Please indicate whether, according to Article 3 of the present Decision, the*

Post-release monitoring report

**3. CHARACTERISTICS OF THE RELEASE**

*3.1 Scientific name of the recipient organism*

*Zea mays*

*3.2 Transformation event(s) (acronym(s) or vectors) used (if transformation event identity not available)*

1507 maize

*3.3 Unique identifier, if available*

DAS-01507-1

*3.4 Please provide the following information as well as the field(s) layout :*

In the case of small-scale field trials where several lines may be tested, the vectors used should be mentioned, which gives insight into the introduced traits and/or genetic elements. In the case of large-scale trials, the number of events notified is limited to only one or a few events

Notification B/ES/07/34, Destruction date Dos Hermanas 24th de Sep2007  
 Notification B/ES/07/34 Destruction date Montañana 30 de Nov 2007  
 Notification B/ES/07/34 Destruction date Peñafior 30 de Nov 2007  
 Notification B/ES/07/34 Destruction date Poleñino 29 de Nov 2007  
 Notification B/ES/07/34 Destruction date Castelnou 16 de Nov 2007  
 Notification B/ES/07/34 Destruction date Monteagudo 30 de Enero 2008

<p>Identification trial</p> <p>1.- Localización: Dos Hermanas          Provincia 41 (Sevilla); Municipio 38 (Dos Hermanas)</p> <p>Plantation date: 07/05/2007          Destruction date: 24/09/2007</p>	<p>Variety registration trials</p> <p>2.- Finca Estación Experimental Aula Dei          Avenida Montañana 1005          50900 - Zaragoza          Montañana – B2          ARAGON</p> <p>MONTERREY DAS 1507 320 plantas          TIJUANA DAS 1507 335 plantas          DKC6575 MON 810 346 plantas          ARISTIS Bt MON 810 326 plantas          33P67 MON 810 342 plantas</p> <p>Plantation date : 18/05/2007          Destruction date : 30/11/2007</p>
<p>Variety registration trials</p> <p>3.- Finca Estación Experimental Aula Dei          Avenida Montañana 1005          50900 - Zaragoza          Peñafior – L4          ARAGON</p> <p>MONTERREY DAS 1507 390 plantas          TIJUANA DAS 1507 356 plantas          DKC6575 MON 810 364 plantas          ARISTIS Bt MON 810 378 plantas          33P67 MON 810 387 plantas</p> <p>Plantation date : 18/06/2007          Destruction date : 30/11/2007</p>	<p>Variety registration trials</p> <p>4.- D. Roberto Bernard          Poleñino 252          Huesca 22          ARAGON</p> <p>MONTERREY DAS 1507 371 plantas          TIJUANA DAS 1507 358 plantas          DKC6575 MON 810 380 plantas          ARISTIS Bt MON 810 356 plantas          33P67 MON 810 415 plantas</p> <p>Plantation date : 28/05/2007          Destruction date : 29/11/2007</p>
<p>Variety registration trials</p> <p>5.- Javier Esteruelas          67- Castelnou          44 Teruel          ARAGON</p> <p>MONTERREY DAS 1507 345 plantas          TIJUANA DAS 1507 360 plantas          DKC6575 MON 810 370 plantas          ARISTIS Bt MON 810 385 plantas          33P67 MON 810 364 plantas</p> <p>Plantation date : 11/05/2007          Destruction date : 16/11/2007</p>	<p>Variety registration trials</p> <p>6.- D. José María Morales          173 - Monteagudo          31 NAVARRA          NAVARRA</p> <p>MONTERREY DAS 1507 412 plantas          TIJUANA DAS 1507 405 plantas          DKC6575 MON 810 398 plantas          ARISTIS Bt MON 810 400 plantas          33P67 MON 810 417 plantas</p> <p>Plantation date : 17/05/2007          Destruction date : 30/01/2008</p>

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**4. ANY KIND OF PRODUCT THAT THE NOTIFIER INTENDS TO NOTIFY AT A LATER STAGE**

**4.1 Does the notifier intend to notify the released transformation event(s) as product(s) for placing on the market under Community legislation(s) at a later stage ?**

Yes

If yes, indicate the country (ies) of notification

Not defined as yet

**5. TYPE(S) OF DELIBERATE RELEASE(S)**

*5.1 Deliberate release(s) for research purposes*

Not applicable

*5.2 Deliberate release(s) for development purposes*

Not applicable

*5.3 Official testing*

The trials are for variety registration purposes

5.4 Herbicide authorization

Not applicable

5.5 Deliberate release(s) for demonstration purposes

Not applicable

5.6 Seeds multiplication

5.7 Deliberate release(s) for biosafety/risk assessment research - Vertical gene transfer studies

Not applicable

5.8 Other(s) type(s) of deliberate release(s)

Not applicable

## **6. METHOD(S), RESULT(S) OF THE RELEASE, MANAGEMENT AND MONITORING MEASURE(S) IN RESPECT OF ANY RISK TO HUMAN HEALTH OR THE ENVIRONMENT**

### **6.1 Risk management measure(s)**

#### *6.1.1 Before the sowing/planting:*

Seeds were packed and clearly labelled to avoid confusion and possible mixture with conventional seed

Seed were stored and transported to the field on the same day when the trials will take place, in the original package. Before the planting, no processing of the seeds takes place

#### *6.1.2 During the sowing/planting activities*

The local authorities were informed that the trials were going to go ahead. Isolation distances of at least 200 m away from any commercial maize were respected

Seeds were planted with a standard sowing machine which allows an easy cleaning of the remaining seeds. At the end of the individual plot sowing, the remaining seeds in the machine (if any) were buried at the end of the plot

Personnel involved with the trials have been trained to prevent involuntary release/spillage

#### *6.1.3 During the period of release*

Monitoring has taken place during the growing season; during the visits, in addition to the observations planned in the study, general observations have taken place to look for any unanticipated adverse effect such as weed tendencies, susceptibility to insect pests and diseases

The material used during the monitoring was cleaned before leaving the trial plots

#### *6.1.4 At the end of the release*

The authorities were informed when the destruction of the trials will take place

All transgenic material was clearly identifiable and none of the seeds or plant parts was moved outside the trial site

Waste from harvest along with plants which were not used in the study were chopped and ploughed in the plot

All the machinery used in the trial was cleaned on the release site before leaving the plot

#### *6.1.5 Post-harvest measures*

The release site will be visited several times, in particular when the weather conditions will favour germination

Avoid growing maize on this site on the following year

If needed, any undesired plant emerged would be mechanically destroyed or by using herbicides (other than glufosinate ammonium)

#### *6.1.6 Other(s) measure(s) (describe)*

Not applicable

#### *6.1.7 Emergency plan(s)*

All biosafety measures aimed at preventing escapes into the environment will be implemented. However, in the unlikely eventuality of an escape, an ELISA screening will be performed and all positive plants will be destroyed. The competent authorities will be immediately informed of any incident affecting the trials

*Indicate:*

##### *(a) of the release proceeded s planned*

Yes, except Monteagudo trial, a field corn was sowed into the 200 mts. perimeter and had to be destroyed following the liberation protocols.

*No (describe for which reason)*

##### *(b) if measures according to the emergency plan(s) (Article 6(2)(a)(vi) and Annex III.B of Directive 2001/18/EC) had to be taken:*

No

## **6.2 Post-release monitoring measures**

Monitoring results confirm that 1507 maize plants do not present a risk for the human, animal health and the environment

*Specify*

*Monitoring measures within site*

The trial sites will be visited in the following growing season to control the growth of volunteer plants

Monitoring measures of adjacent areas

Not applicable

## **6.3 Plan for observation(s)/method(s) involved**

General observations on plant health, susceptibility to diseases, on development of the plants will be carried out along with any other unusual and unanticipated characteristics

## **6.4 Observed effect(s)**

1507 maize plants didn't show any risk to human, animal health and the environment when compared with conventional maize. One of the sites has been cancelled/destroyed because of poor germination due to lack of water

*6.4.1. All results of the deliberate release(s) in respect of any risk for human health or the environment shall be stated, without prejudice to whether the results indicate that any risk is increased, reduced or remains unchanged*

*6.4.2 Expected effect(s)*

1507 maize plants have developed normally, in a comparable way with the non GM near isogenic line differing only in the resistance against lepidopteran pest insects, were there is high infestation pressure

*6.4.3 Unexpected effect(s)*

No unexpected effects posing risks to the environment were identified

*6.4.4 Other information*

Not relevant

## **7. CONCLUSION**

The trials have been carried out in the predicted manner. No negative effects to human health or the environment have been observed. 1507 maize plants have grown as expected