

ANNEX

**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**

(COMMISSION DECISION 2003/701/EC)

LOGO OF THE COMPANY OR RESEARCH INSTITUTE (OPTIONAL)

PLANT BREEDING AND ACCLIMATIZATION INSTITUTE

NATIONAL RESEARCH INSTITUTE

RADZIKÓW, 05-870 BLONIE

The report format shall be completed by the notifier. The notifier shall fill in the report format according to the proposed form (tick boxes and/or, as far as possible, specific keywords to use in text fields). The notifier shall illustrate as much as possible the reported data by means of diagrams, figures and tables. Statistical data could also be provided where relevant.

In the case of multi-sites, multi-events and/or multi-annual release(s), the notifier shall provide a general overview of the measures taken and effects observed for the full duration of the consent.

The space provided after each item is not indicative of the depth of the information required for the purposes of this report.

1. *General information*

1.1. **European notification number:** **B/PL/08/02-04**

1.2. **Member State of notification:** **Poland**

1.3. **Date of consent and consent number:**

2. *Status sprawozdawczy*

2. Report status

1.1. Please indicate whether, according to Article 3 of the present Decision, the current report is:

— **the final report**

— a post-release monitoring report

— final intermediary

3. *Characteristics of the release*

Scientific name of the recipient organism:: *Zea mays L.*

3.2. Transformation event(s) (acronym(s)) or vectors (¹) used (if transformation event identity not available):

3.3. Unique identifier, if available:

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

Geographical location(s) (administrative region and, where appropriate, grid reference)	Size of the release site(s) (¹) (m ²)	Identity (²) and approximate number of GM higher plants per event actually released (number of seeds/plants per m ²)	Duration of the release(s) (from ... (day/month/year) until...(d/m/y))
Radzików, 05-870 Błonie, gmina Błonie, woj.mazowieckie	60 m ² (4 hybrids x 5 m ² x 3 rep.)	18 plants, after thinning 8 plants	22.05.2009 – 10.11.2009
Smolice, 63-740 Kobylin, gmina Kobylin, woj. wielkopolskie	60m ² (4 hybrids x 5 m ² x 3 rep.)	18 plants, after thinning 8 plants	22.05.2009 – 21.10.2009
Dłoń, 63-910 Miejska Górka, gmina Miejska Górka, woj. wielkopolskie	60m ² (4 hybrids x 5 m ² x 3 rep.)	18 plants, after thinning 8 plants	22.05.2009 – 21.10.2009

¹ Specify the size of the GM area and, where appropriate, the size of the non-GM area (e.g. non-GM border).

² Vectors used:

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

NO

Unknown to date

If yes, indicate the country(ies) of notification:.....

If yes, specify for which use(s):

- Import
- Cultivation (e.g. seed/planting material production)
- Food
- Feed
- Pharmaceutical use (or processing for pharmaceutical use)
- Processing for
 - Food use
 - Feed use
 - Industrial use

— Others (specify):.....

5. Type(s) of deliberate release(s)

5.1. **Deliberate release(s) for research purposes**

5.2. **Deliberate release(t) for development purposes**

— Event screening

— Proof of concept ⁽²⁾

— Agronomic performances (e.g. efficiency/selectivity of plant protection product, yield capacity, germination capacity, crop establishment, plant vigour, plant height, susceptibility to climatic factors/diseases, etc.) (specify)

— Altered agronomic properties (e.g. disease/pest/drought/frost-resistance, etc.) (specify)

Determination of the yield of hybrid varieties, dry matter content and other agronomic parameters of hybrid varieties NK603 (according to the request for release into the environment)

— Altered qualitative properties (prolonged shelf-life, enhanced nutritional value, modified composition, etc.) (specify)

— Stability of the expression

— Multiplication of lines

— Hybrid vigour study

— Molecular farming ⁽³⁾

— Phyto-remediation

— Others:(describe).....

5.3 **Official testing**

— Variety registration on a national variety catalogue

— DUS (**D**istinctness, **U**niformity and **S**tability)

— VCU (**V**alue of **C**ultivation and **U**se)

— Others: (specify).....

5.4 **Herbicide authorisation**

5.4 **Deliberate release(s) for demonstration purposes**

5.6 **Seeds multiplication**

5.7 **Deliberate release(s) for biosafety/risk assessment research**

— Vertical gene transfer studies

— Out-crossing with conventional crops

— Out-crossing with wild relatives

— Horizontal gene transfer studies (gene transfer to micro-organisms)

— Management of volunteers

— Potential changes in persistence or dispersal

— Potential invasiveness

- Potential effects on target organisms
- Potential effects on non-target organisms
- Observation of resistant relatives
- Observations of resistant insects
- Others: (describe).....

5.8 Other(s) types) of deliberate release(s):

(describe)

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)

Please report the risk-management measures, which have been used to avoid or minimize the spread of the GMO(s) outside the site(s) of release, and in particular those measures

- which were not originally notified in the application,
- which were applied in addition to the conditions in the consent,
- which the consent required only under certain conditions (e.g. dry periods, flooding),
- for which the consent allowed the notifier a choice among different measures.

Tick the examples where appropriate:

6.1.1 Before the sowing/planting:

- **Clear labelling of the GM seeds/planting material lots** (distinct from other seeds/tubers/etc.) (describe)
- **Segregation during the processing and transport of the seed/planting material** (describe the method involved; provide example(s) of containment to prevent spillage during the processing and transport)
- Destruction of superfluous seeds/planting material (describe the method involved)
- **sowing material has been fully used**
- **Temporal isolation** (specify) **stored in separated rooms**
- **Rotation** (specify the previous crop(s)) **Radzików: fallow plot, Dłóż: triticales, Smolice: maize**
- Other(s): (specify)

6.1.2. During the sowing/planting activities:

- Method of sowing/planting
- **Corn precision seeder, self propelled, with a pneumatic purification** Emptying and cleaning of the sowing/planting machinery on the field of release
- Segregation during the sowing/planting (provide example(s) of containment to prevent spillage during the sowing/planting)
- Other(s) (specify)

6.1.3. During the period of release:

- Isolation distance(s) (x metres)
 - from sexually compatible commercial plant species,
 - from sexually compatible wild relatives

- Border row(s) (with the same crop or a different one, with a non-transgenic crop, x metres, etc.)
- Cage/net/fence/signpost (specify)
- Pollen trap (specify) open pollinated
- Removal of GM inflorescences before flowering (indicate the frequency of the removal) In each location, the removal of panicles begun before their ejection from the leaf sheaths, until all panicles were removed. Deleted panicles were burned in coal-fired boiler factory.
- Removal of bolters/relatives/hybrid partners (indicate the frequency of the removal, x metres around the GM field, etc.) Plants tillering was monitored. There has been no occurrence of lateral plants.
- Other(s) (specify):

6.1.4. *At the end of the release:*

- Harvest/destruction methods (of crop or parts of it)/other means (e.g. sampling and analysis of sugar beet pulp) (describe) Harvest /destruction before the ripeness of the seeds The collection of grain was made with a Wintersteiger plot combine. The straw was cut during the harvest.
- Effective removal of plant parts
- Separate storage and transport of grain. A separate study on collected grain samples. Segregated storage and transport of crop/waste (provide example(s) of containment to prevent spillage of collected seeds/crops/wastes)
- Clean up of machinery on the release site
- Destination of the waste, treatment of waste/surplus yield/plant residues (describe) After weighting and measuring the moisture content, the whole grain was utilized by burning in coal-fired boiler plant factory.
- Post-harvest treatment and cultivation measures on the release site (describe the method(s) for preparing and managing the release site at the end of the release, including cultivation practices) After harvesting, the crop residues were carefully ground and plowed (deep plowing)
- Other(s): (describe):

1.1.1. 6.1.5. **Post-harvest measures**

Please indicate which measures were taken on the release site after the harvest:

Frequency of visits (average):: every week until the snow fall

- Subsequent crop (specify) In Radzików surface cultivation and herbicide fallow in the spring (non-selective herbicide for maize); the follow plant in Smolice- peas, the follow plant in Dłoń- spring barley
- Crop rotation (specify)
- Fallow/no crop (specify)
- Superficial soil work/no deep ploughing
- False-sowing beds
- Control of volunteers (specify intervals and duration) There are no conditions for occurrence of volunteer corn due to the implementation of plowing immediately after harvest and due to too low temperatures.

- Appropriate chemical treatment(s) (specify)
- Appropriate soil treatment(s) (specify) fragmentation of crop residues and deep plowing, soil spraying with non-selective herbicide for corn
- Others (specify)

6.1.6. *Others) measure(s): (describe):*

6.1.7. *Emergency plan(s)*

Indicate:

(a) if the release proceeded as planned:

- YES
- No (describe for which reason, e.g. vandalism, climatic conditions, etc.).....

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

- NO
- Yes (describe):

6.2. **Post-release monitoring measures**

- **the post-release monitoring plan will start (in the case of a final report, after the last harvest of the GM higher plants)**
- **the post-release monitoring plan is ongoing (in the case of an intermediary post-release monitoring report),**
- **the post-release monitoring plan has been completed** (in the case of the final post-release monitoring report),
- **no post-release monitoring plan has to be fulfilled.**

The results of this monitoring are meant to confirm or invalidate earlier assumptions in the risk assessment.

According to the aforementioned cases, please indicate which monitoring measure(s) will be/are/were taken and where (on the release site/near the site (e.g. on fields edges)). Please be aware that all post-release monitoring measures taken during the whole post-release period shall be indicated here.

Visual inspection covered the field in the three experimental locations. Monitoring concerns of volunteer corn. In plants follow-up, in Dłóń and Smolice monitoring was conducted until the harvest of these crops, in the period April - August 2010. In Radzików, herbicide fallow, from April to the end of November 2010. No location reveal any volunteer corn.

Specify:

- Monitoring measures within site
- Duration:

Frequency of visits (average): one visit per two weeks

- Observation of resistant relatives
- Observation of resistant insects
- Control of volunteers (specify intervals and duration) Throughout the growing season (from April to snowfall in late November), three times each month
- Monitoring of gene flow (specify)
- Appropriate chemical treatment(s) and/or soil treatment(s)
- **Others**
(specify).....

- Monitoring measures of adjacent areas
Duration:
Frequency of visits (average): three times per month
Area monitored:
 - Observation of resistant relatives
 - Observation of resistant insects
 - Control of volunteers and/or monitoring of feral populations (specify intervals and duration) control of possible volunteers
 - Monitoring of gene flow (specify)
 - Appropriate chemical treatment(s) and/or soil treatment(s)
 - Others (specify)

6.3. Plan for observation(s)/method(s) involved

6.4. Observed effect(s)

7. Conclusion

In this chapter, the notifier should specify the conclusions drawn and the measures taken or to be taken on the basis of the results of the release with regard to further release(s) and, where appropriate, make reference to any kind of product the notifier intends to notify at a later stage.

The information provided in this report is not considered confidential in accordance with Article 25 of Directive 2001/18/EC. This does not prevent the competent authority from requiring additional information from the notifier, both confidential and non-confidential. In the case of confidential data, it should be provided in an Annex to the report format, with a non-confidential summary or general description of these data, which will be made available to the public.