

**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)*

*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/CZ/09/04**

**1.2. Member State of notification: Czech Republic**

**1.3. Date of consent and consent number: 22/04/2009, 35636/ENV/10**

## **2. Report status**

**2.1. 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**

**3.1. Scientific name of the recipient organism: ZEA MAYS**

**3.2. Transformation event(s) (acronym(s)) or vectors <sup>(1)</sup> used (if transformation event identity not available): pAG3541**

**3.4. Unique identifier, if available: VCO-Ø1853-3 (=6853), VCO-Ø1896-1 (=6896), VCO-Ø1902-7 (= 6902), VCO-Ø1936-5 (=6936), VCO-Ø1981-5 (=6981).**

<sup>(1)</sup> 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(r)-scale trials, the number of events notified is limited to only one or a few events.

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

**Trials with GM maize were carried out in period 2010 – 2012 on three experimental sites - Caslav, Ivanovice na Hane (hereinafter Ivanovice) and Troubsko:**

**Caslav and Ivanovice are trial stations of the Crop Research Institute, Drnovská 507/73, 161 06 Praha 6 – Ruzyne, Czech Republic. This institute has got an authorisation from the Czech Ministry of the Environment for trials with the following GM maize modifications: VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5.**

**Date of the consent and consent number: 26/04/2010, 2248/ENV/10.**

**Troubsko is the address of the Research Institute for Fodder Crops, Ltd. Troubsko, Zahradni 1, 664 41 Troubsko, Czech Republic. Also this institute has got an authorization from the Czech Ministry of the Environment for trials with the following GM maize modifications: VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5.**

**Date of consent and consent number: 26/04/2010, 36219/ENV/10.**

#### 3.4.1. Growing season 2010

<b>Geographical location(s) (administrative region and, where appropriate, grid reference)</b>	<b>Size of the release site(s) <sup>(1)</sup> (m<sup>2</sup>)</b>	<b>Identity <sup>(2)</sup> and approximate number of GM higher plants per event actually released (number of seeds/plants per m<sup>2</sup>)</b>	<b>Duration of the release(s) (from ... (day/month/year) until...(d/m/y))</b>
<b>Caslav, Region of Central Bohemia</b>	<b>6.880 m<sup>2</sup> used, 2.224 m<sup>2</sup> of GMO plants</b>	<b>VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 16.700 GMO plants (7,5 plants per m<sup>2</sup>)</b>	<b>08/06/2010 sowing 08/11/2010 harvest</b>
<b>Ivanovice, South Moravian Region</b>	<b>9.472 m<sup>2</sup> used, 3408 m<sup>2</sup> of GMO plants</b>	<b>VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 25.600 GMO plants, (7,5 plants per m<sup>2</sup>)</b>	<b>07/06 2010 sowing 10/12/2010 harvest</b>
<b>Troubsko, South Moravian Region</b>	<b>8.160 m<sup>2</sup> used, 3.000 m<sup>2</sup> of GMO plants</b>	<b>VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 24.000 GMO plants, (8 plants per m<sup>2</sup>)</b>	<b>30/04/2010 sowing 5/11/2010 harvest</b>

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

(<sup>2</sup>) Vectors used.

**Caslav, Ivanovice and Troubsko sites – 12 rows of non GMO maize of similar maturity group as border rows were sown around all release sites in 2010.**

### 3.4.2. Growing season 2011

Geographical location(s) (administrative region and, where appropriate, grid reference)	Size of the release site(s) ( <sup>1</sup> )  (m <sup>2</sup> )	Identity ( <sup>2</sup> ) and approximate number of GM higher plants per event actually released  (number of seeds/plants per m <sup>2</sup> )	Duration of the release(s)  (from ... (day/month/year) until...(d/m/y))
<b>Caslav, Region of Central Bohemia</b>	4.988 m <sup>2</sup> used, 2.844,8 m <sup>2</sup> of GMO plants	VCO-Ø1853-3, VCO-Ø1896-1, VCO- Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 21.336 GMO plants (7,5 plants per m <sup>2</sup> )	22/04/2011 sowing 03/011/2011 harvest
<b>Ivanovice, South Moravian Region</b>	8.488 m <sup>2</sup> used, 3.920 m <sup>2</sup> of GMO plants	VCO-Ø1853-3, VCO-Ø1896-1, VCO- Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 29.400 GMO plants (7,5 plants per m <sup>2</sup> )	21/04/2011 sowing 31/10/2011 harvest
<b>Troubsko, South Moravian Region</b>	8.100 m <sup>2</sup> used, 3.000 m <sup>2</sup> of GMO plants	VCO-Ø1853-3, VCO-Ø1896-1, VCO- Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 24.000 GMO plants, (8 plants per m <sup>2</sup> )	02/05/2011 sowing 20/10/2011 harvest,

**Caslav, Ivanovice and Troubsko sites – 12 rows of non GMO maize of similar maturity group as border rows were sown around all release sites in 2011.**

### 3.4.3. Growing season 2012

Geographical location(s) (administrative region and, where appropriate, grid reference)	Size of the release site(s) <sup>(1)</sup> (m <sup>2</sup> )	Identity <sup>(2)</sup> and approximate number of GM higher plants per event actually released (number of seeds/plants per m <sup>2</sup> )	Duration of the release(s) (from ... (day/month/year) until...(d/m/y))
<b>Caslav, Region of Central Bohemia</b>	3.763,2 m <sup>2</sup> used, 1.450,4 m <sup>2</sup> of GMO plants	VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 7.480 GMO plants (7,5 plants per m <sup>2</sup> )	28/05/2012 sowing 14/11/2012 harvest
<b>Ivanovice, South Moravian Region</b>	6.585,6m <sup>2</sup> used, 2.509 m <sup>2</sup> of GMO plants	VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 18.818 GMO plants (7,5 plants per m <sup>2</sup> )	24/05/2012 sowing 08/11/2012 harvest
<b>Troubsko, South Moravian Region</b>	5.700 m <sup>2</sup> used, 2.900 m <sup>2</sup> of GMO plants	VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5 21.750 GMO plants (7,5 plants per m <sup>2</sup> )	25/05/2012 sowing 15/11/2012 harvest

Caslav, Ivanovice and Troubsko sites – 12 rows of non GMO maize of similar maturity group as border rows were sown around all release sites in 2012

Each plot was constituted of 4 rows of 7 m length, sowing was 8 m (7+1 m), 70 cm interrow, a density of 75 000 /80 000 plants per hectare.

Herbicide glyphosate identified by the code CA2615 was used in the trials. Authorisation for its experimental use was issued by the State Phytosanitary Administration Praha. Date of consent and consent number: 29/04/2010, 1410105051.

Maps of the trials are in the Annex of this report.

## 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)

Please select the main type(s) (in boxes) as well as subtype(s) of the release(s). In the case of multi-sites, multi-events and/or multi-annual release(s), please provide a general overview of the type(s) of deliberate release(s) which has/have been carried out for the full duration of the consent. Please tick the appropriate type(s):

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

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

- Event screening
- Proof of concept <sup>(2)</sup>
- 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). Resistance to the herbicide glyphosate.**
- Altered agronomic properties (e.g. disease/pest/drought/frost-resistance, etc.) (specify) **Resistance to the herbicide glyphosate, plant height.**
- 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 <sup>(3)</sup>
- Phyto-remediation
- Others: .....(describe).....

<sup>(2)</sup> For example, testing the new trait under environmental conditions.

<sup>(3)</sup> 'Molecular farming' means the production of substances (for instance, proteins, pharmaceuticals) by plants, which have been genetically modified for a particular trait. 'Molecular farming' could be defined as well as the production of plant-synthesised pharmaceuticals, plant-made pharmaceuticals, plant-based proteins production, etc.

**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**

**5.5. Deliberate release(s) for demonstration purposes**

**5.6. Seeds multiplication**

**(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. **The plants are resistant to glyphosate herbicide.**
- Potential effects on non-target organisms. **No effect has been observed on non-target organism.**
- Observation of resistant relatives.
- Observations of resistant insects.
- Others: (describe).....

**5.7. Other(s) type(s) 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 minimise 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)

**The GM maize seeds were placed in individual small bags of 180 seeds (needed for 4 rows of 7m plot; one bag was used for one plot). Each bag was labelled with the corresponding transformation event code according to the OECD guidance, the name of the experimental variety and the plot number according to the field layout shown in the Annex.**

- 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)

**The small bags were placed, in the sowing order, in cardboard boxes then in a polypropylene bag, sealed before transport. The seeds preparation was done in the Laboratory of Limagrain in France. Transport from France to the Czech Republic was realized by an authorized international transport company (accredited in France and in the Czech Republic). The temporary GMO storage in the Research Institute for Fodder Crops, Ltd. Troubsko, Zahradni 1, 664 41 Troubsko, Czech Republic (contractual partner of Limagrain Central Europe) was included in the authorisation of the project. The GM maize seed was distributed the next day to the trial stations Caslav and Ivanovice by a Limagrain company car by a trained person.**

- Destruction of superfluous seeds/planting material (describe the method involved)

**The remaining seed, together with the small paper bags containing the seed was burned and buried inside the trial perimeter. The sowing machine was carefully cleaned on trial field (on paths), found seeds were treated the same way.**

- Temporal isolation (specify)

**No temporal isolation**

- Rotation (specify the previous crop(s))

**Caslav: 2010: spring wheat, 2011: spring wheat, 2012: winter wheat  
 Ivanovice: 2010: spring barley, 2011: spring barley, 2012: afa alfa  
 Troubsko: 2010: winter wheat, 2011: winter wheat, 2012: winter wheat**

- Other(s): (specify).....

**6.1.2. During the sowing/planting activities:**

- Method of sowing/planting

**The planting was performed using a special sowing machine adapted for trial plots. A system of auto cleaning sends the remaining seeds in a container where the seeds are collected.**

— Emptying and cleaning of the sowing/planting machinery on the field of release

**The sowing machine was cleaned directly on the release site; remaining seeds were collected by an aspiration system and after opening the sowing elements.**

— Segregation during the sowing/planting (provide example(s) of containment to prevent spillage during the sowing/planting)

**Each bag of seeds was opened only on the release site; after the control of the label and of the position of the plot (using a map/design of the assay), the seeds were poured into the sowing elements.**

**All seed handling was performed by trained staff, aware about the preventive measures to avoid seed dissemination.**

— Other(s) (specify).....

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

— Isolation distance(s) (x metres)

**Before planting, the isolation distance was verified of at least 200m from other maize commercial fields, this isolation was confirmed before flowering.**

— From sexually compatible commercial plant species - **the distance from commercial maize fields:**

**Caslav: 2010: 250m, 2011: 283m, 2012: 480m.**

**Ivanovice: 2010: 620m, 2011: 420m, 2012: 256m.**

**Troubsko: 2010 : 500m, 2011: 1000m, 2012: 840m.**

— From sexually compatible wild relatives.

**Maize has no wild relatives in the Czech Republic.**

— Border row(s) (with the same crop or a different one, with a non-transgenic crop, x metres, etc.)

**12 rows of non GMO maize of similar maturity group were sown as border rows around each release site during growing seasons 2010, 2011 and 2012.**

— Cage/net/fence/signpost (specify)

**Notices on information boards in four trial corners with the text: POZOR! GMO! NEVSTUPOVAT! NEZKRMOVAT! CHEMICKY OŠETŘENO! (Attention! GMO! Do not enter! Do not feed! Chemical treatment!)**

— Pollen trap (specify)

**The sowing of border rows of non GMO maize of similar maturity group around all release sites has served as pollen trap.**

— Removal of GM inflorescences before flowering (indicate the frequency of the removal)

**No**



- Removal of bolters/relatives/hybrid partners (indicate the frequency of the removal, x metres around the GM field, etc.)

**No**

- 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 harvest was done by an experimental combine harvester. After this, the grains and the plant material were evenly spread on the surface of the trial sites, than the destruction was done by a crusher. All harvested material was buried into the soil by deep ploughing. Samples of grains after the moisture measurement using a special device were buried into the soil on same trial site as well.**

**Samples of plant material were taken during growing seasons 2010 and 2011. The samples were harvested by hand, placed in bags on the release sites, using the triple packaging, each bag labelled with the identification of the plot from which the plant material were taken (location, trial, genotype, identification that it is GMO with the international event code, indication that it is not to be used for animal or human consumption) and transported to the Limagrain laboratory in France by an authorized carrier.**

- Effective removal of plant parts
- 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**

**The combine including all the equipment used for harvesting and for the destruction of plant material were cleaned on the release site. Any remaining grain and other plant material were buried into soil on the release site.**

- Destination of the waste, treatment of waste/surplus yield/plant residues (describe)

**All the remaining plant material after the harvest was ploughed and incorporated into the soil on the release sites.**

- 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)

**Soil preparation according to common praxis for the following crop that was not maize.**

- Other(s): (describe):.....

**6.1.5. Post-harvest measures**

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

Frequency of visits (average):

**At least one time per month.**

- Subsequent crop (specify)

**These subsequent crops were grown in the following grow seasons after the GM maize:**

**Caslav: 2011: winter wheat , 2012: spring wheat, 2013: spring barley**

**Ivanovice: 2011: spring barley, 2012: spring barley, 2013: spring barley**

**Troubsko: 2011: beans, 2012: spring wheat, 2013: spring wheat**

**Commercial maize was not grown on the trial sites during the year following the trial.**

- Crop rotation (specify)
- Fallow/no crop (specify)
- Superficial soil work/no deep ploughing
- False-sowing beds

Control of volunteers (specify intervals and duration)

**Specific monitoring was implemented during the following year after planting GM maize. Monthly visits were carried out to be sure there were no GM maize volunteers on the site. Any possible volunteer GM maize appearing in the field should have been eliminated at the latest before flowering.**

- Appropriate chemical treatment(s) (specify)
- Appropriate soil treatment(s) (specify)
- Others (specify)

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

.....  
.....

**6.1.7. Emergency plan(s)**

Indicate:

(a) if the release proceeded as planned:

**Yes. Only at one place in the trial site in Troubsko Institute, there was border rows incident, in August/September 2012. The border rows were disrupted (strong lodging of plants) without loss of any trial plant material. The Ministry of the Environment and the Czech Environmental Inspectorate were informed on 20/09/2012.**

- 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**

*Due to the fact that the current report format can be used for the final and post-release monitoring report(s), the notifier is asked to clearly make the difference between both types of report through this section 2 of Chapter 6.*

Please indicate whether

- **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 goes on. The monthly visits have got nothing to report till now.**
- **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.

Specify:

- Monitoring measures within site  
Duration: **One year since the date of the harvest of the field trial.**  
Frequency of visits (average): monthly
  - Observation of resistant relatives
  - Observation of resistant insects
  - Control of volunteers (specify intervals and duration)  
**Control of volunteers for one year monthly, special focusing from the end of March to the end of July. Nothing to report till now.**
  - Monitoring of gene flow (specify)
  - Appropriate chemical treatment(s) and/or soil treatment(s)
  - Others (specify).....
- Monitoring measures of adjacent areas  
Duration: **One year, at the same time as the visits to the release site, to date no incidence of re-growth to report in the adjacent plots.**  
Frequency of visits (average): **Monthly.**  
Area monitored:
  - Observation of resistant relatives
  - Observation of resistant insects
  - **Control of volunteers.**  
**Control of volunteers is to be done for one year by monthly visits. Nothing has been found up to this date.**
  - and/or monitoring of feral populations (specify intervals and duration)
  - 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

In this section the observation plan and the methods used to collect the effects, which have to be reported under the next section (section 6.4), need to be specified. Any amendments or modifications to the plan as proposed in the application and the SNIF (4) part B need to be specified in detail.

During the time between the notification and the final report submission, new scientific insights or methods may be developed which cause a change in the methods used. In particular these modifications need to be specified under this section.

**Observations made during the field trial do not lead to any change of the conclusions of the risk assessment made in the application. No changes were found, as compared to conventional maize in terms of persistence or invasiveness, advantages, potential of transfer of genetic material, or biological interactions, etc. The only difference found was the tolerance to the herbicide glyphosate which is the trait introduced into these transgenic maize plants.**

**GM maize plants have developed normally and presented a crop cycle and performance very similar to that of the corresponding conventional isogenic maize.**

**Glyphosate tolerance of the plants has been verified.**

### 6.4 . Observed effect(s)

#### 6.4.1. Explanatory note

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.

The main objectives of the information given in this section are:

- to confirm or invalidate any assumption regarding the occurrence and impact of potential effect(s) of the GMO(s) which was/were identified in the environmental risk assessment,
- to identify effect(s) of the GMO(s) which was/were not anticipated in the environmental risk assessment.

The observed **effect(s)/interaction(s)** of the GMO(s)

- with respect to any risk to human health,
- with respect to any risk to the environment

shall be reported under this section.

Particular attention shall be drawn to unexpected and unintended effect(s).

**Nothing has been detected in respect of effects on the human health or environment, no differences from a conventional maize cultivation were observed.**

**No unexpected or unintended effect to report.**

Indications as regards the effects, that the notifier may have to report, are provided hereunder. The effects have obviously to be considered in the light of the crop, the new trait, the receiving environment as well as the conclusions of the environmental risk assessment, which is carried out on a case-by-case basis.

In order to structure the information and to facilitate and efficient search within the given information, the notifier shall use, as far as possible, specific keywords to fill in the text fields under Chapter 6, especially sections 6.4.2, 6.4.3 and 6.4.4. A most updated list of those specific keywords is available on the Internet at: <http://gmoinfo.jrc.it>.

#### **6.4.2. Expected effect(s)**

This section concerns « expected effects », that is to say, potential effects which were already identified in the environmental risk assessment of the notification and could therefore be anticipated.

Notifiers should supply data from the deliberate release(s) which validate the assumptions made in the environmental risk assessment.

**Nothing different could be detected in relation to biodiversity compared to what can happen with a normal non-GMO maize cultivation.**

#### **6.4.3. Unexpected effect(s) <sup>1</sup>**

“Unexpected effects” refer to effects on human health or the environment which were not foreseen or identified in the environmental risk assessment of the notification. This part of the report should contain any information with regard to unexpected effects or observations relevant for the initial environmental risk assessment. In case of any observed unexpected effects or observations, this section should be as detailed as possible to allow a proper interpretation of the data.

**No unexpected effects have been detected.**

**No adverse effect on human health or environment has been observed.**

#### **6.4.4. Other information**

Notifiers are encouraged to supply information, which is outside the scope of the notification but which might be relevant to the field trials in question. This may also include observations of beneficial effects.

**Nothing could be detected in relation to biodiversity in general compared to what can happen with a normal non GMO maize cultivation.**

### **7. Conclusion**

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<sup>1</sup> Without prejudice to Article 8 OF Directive 2001/18/EC as regards handling of modifications or new information.

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.*

**Field trials were carried out according to the applications, authorisation approvals, and in line with specific legislation regulating GMOs.**

**All the measures to avoid potential dissemination of seed and any other plant material were taken, as a prevention of potential hybridization with other maize plants, minimal isolation distance was applied together with border rows of conventional maize, surrounding the trials.**

**We have not observed any negative effects on human and animal health, or the environment.**

**The report was prepared in cooperation with the testing facilities of Crop Research Institute Prague and with Research Institute for Fodder Crops Troubsko that realized the field trials with the events VCO-Ø1853-3, VCO-Ø1896-1, VCO-Ø1902-7, VCO-Ø1936-5, VCO-Ø1981-5.**

**DATE: 25/06/2013**

**ANNEX TO REPORT**  
**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)**

**Sowing plans of field trials 2010 – 2012**

**Limagrain Central Europe, organizační složka, Pardubská 1197,  
76312 VIZOVICE**

**Legend:**

Testing of events – field trials with GM maize  
Selectivity were yield trials with selectivity of herbicides.  
Efficiency were trials of efficiency of the herbicide  
Residu is a trial of residual of the herbicide  
Rep is a replication  
UTC is untreated control plot







**TROUBSKO 2011**  
8.100 m<sup>2</sup> used

Testing Events

Borders rows	Border	Border	Border	Border	Border	Border	Border	Border	Border	Border	Borders rows
	9DKC5783	9AGRISTER	0HF0	9DKC4964	9LG3350	9PR36K67	9PR35F38	0HF6981C	0HA6981C	Test Spray	
	0HF6981GL	0HE6981GL	0HA0	0HE0	9LG3490	0HA6981GL	9LG3475	0HE6981C	9PR37D25	Test Spray	
	9PR36K67	0HF6981C	0HA6981C	0HA0	9PR37D25	0HF0	9LG3350	9DKC5783	0HA6981GL	Test Spray	
	9LG3475	0HE6981GL	0HF6981GL	9DKC4964	9AGRISTER	9PR35F38	0HA6981C	9LG3490	0HE0	Test Spray	
	0HF6981C	9PR35F38	9DKC4964	0HF0	0HE0	9LG3490	0HE6981GL	0HE6981C	0HA6981C	Test Spray	
	0HA0	9PR36K67	9DKC5783	0HA6981GL	9AGRISTER	9PR37D25	0HF6981GL	9LG3475	9LG3350	Test Spray	
	9PR36K67	9LG3490	9PR37D25	0HA6981C	9PR35F38	9LG3475	0HF6981GL	9AGRISTER	0HA6981C	Test Spray	
	0HE0	9DKC5783	0HA6981GL	0HE6981GL	0HF6981C	0HF0	9LG3350	9DKC4964	0HA0	Test Spray	
	0HF6981C	9AGRISTER	9PR37D25	9PR35F38	9DKC4964	0HE6981GL	0HF6981GL	9LG3490	0HA6981C	Test Spray	
	0HA6981C	9PR36K67	9DKC5783	0HE0	9LG3350	0HF0	0HA0	0HA6981GL	9LG3475	Test Spray	
	Border	Border	Border	Border	Border	Border	Border	Border	Border	Border	

Selectivity

Borders rows	Border	Border	Border	Border	Border	Border	Border	Border	Borders rows
	HF C	HF GL	HF C	HF GL	HF C	HF GL	HF C	Test spray	
	HF C	HF GL	HF C	HF GL	HF C	HF GL	HF C	Test spray	
								Test spray	
								Test spray	
								Test spray	
								Test spray	
Border	Border	Border	Border	Border	Border	Border	Border		

Efficiency

Borders rows	Border	Border	Border	Border	Border	Border	Border	Border	Borders rows
	1	2	3	4	UTC	UTC	UTC	Spray test	
								Spray test	
								Spray test	
Border	Border	Border	Border	Border	Border	Border	Border		

**CASLAV 2012**  
3.763,2 m<sup>2</sup> used

Efficiency

Rep 3	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
		13	14	39	40	65	66	91	92					
	6	5	1 (UTC)	8	4	7	3	2						
		12	15	38	41	64	67	90	93					
	Rep 2	UTC												
			11	16	37	42	63	68	89	94				
		3	8	7	5	1 (UTC)	2	6	4					
	Rep 1	UTC												
			10	17	36	43	62	69	88	95				
			9	18	35	44	61	70	87	96				
	Selectivity	1 (UTC)	2	3	4	5	6	7	8					
			8	19	34	45	60	71	86	97				
			7	20	33	46	59	72	85	98				
		LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490
			6	21	32	47	58	73	84	99				
2		6	5	3	1 (UTC)	7	4	Spray test						
		5	22	31	48	57	74	83	100					
4		3	1 (UTC)	7	6	2	5	Spray test						
		4	23	30	49	56	75	82	101					
7		5	6	2	4	1 (UTC)	3	Spray test						
		3	24	29	50	55	76	81	102					
1 (UTC)		2	3	4	5	6	7	Spray test						
		2	25	28	51	54	77	80	103					
LG3490		LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
		1	26	27	52	53	78	79	104					

104m

**IVANOVIC 2012**

6.585,6m<sup>2</sup> used

Resisus Proc

Rep 3	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
		22	23	66	67	110	111	154	155					
	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-C	0HA6981-C	0HA6981-C	Spray test					
		21	24	65	68	109	112	153	156					
	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-C	0HA6981-C	0HA6981-C	Spray test						
		20	25	64	69	108	113	152	157					
	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-4X	0HA6981-C	0HA6981-C	0HA6981-C	Spray test						
		19	26	63	70	107	114	151	158					
	5	6	8	3	7	2	1 (UTC)	4						
		17	28	61	72	105	116	149	160					
	UTC													
		16	29	60	73	104	117	148	161					
	Rep 2	7	3	1 (UTC)	5	2	8	4	6					
			15	30	59	74	103	118	147	162				
		UTC												
Rep 1	1 (UTC)	2	3	58	75	102	119	146	163					
		13	32	57	76	101	120	145	164					
	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
Selectivity		12	33	56	77	100	121	144	165					
	11	34	55	78	99	122	143	166						
	5	3	6	2	1 (UTC)	7	4	Spray test						
		10	35	54	79	98	123	142	167					
	6	3	7	4	2	5	1 (UTC)	Spray test						
		9	36	53	80	97	124	141	168					
	4	7	1 (UTC)	6	2	5	3	Spray test						
		8	37	52	81	96	125	140	169					
	1 (UTC)	2	3	4	5	6	7	Spray test						
		7	38	51	82	95	126	139	170					
	6	3	50	83	91	127	138	171						
	HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test						
		5	40	49	84	93	128	137	172					
	HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test						
		4	41	48	85	92	129	136	173					
HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test							
	3	42	47	86	91	130	135	174						
HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test							
	2	43	46	87	90	131	134	175						
LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490		
	1	44	45	88	89	132	133	176						

**TROUBSKO 2012**

6.585,6m<sup>2</sup> used

Resisues Proc	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
				22	23	66	67	110	111	154	155							
Efficiency	LG3490	LG3490	LG3490	OHA6981-4X	OHA6981-4X	OHA6981-4X	OHA6981-4X	OHA6981-C	OHA6981-C	OHA6981-C	Spray test	LG3490	LG3490	LG3490				
				21	24	65	68	109	112	153	156							
Rep 3	LG3490	LG3490	LG3490	OHA6981-4X	OHA6981-4X	OHA6981-4X	OHA6981-4X	OHA6981-C	OHA6981-C	OHA6981-C	Spray test	LG3490	LG3490	LG3490				
				20	25	64	69	108	113	152	157							
Rep 2	LG3490	LG3490	LG3490	OHA6981-4X	OHA6981-4X	OHA6981-4X	OHA6981-4X	OHA6981-C	OHA6981-C	OHA6981-C	Spray test	LG3490	LG3490	LG3490				
				19	26	63	70	107	114	151	158							
Rep 1	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
				18	27	62	71	106	115	150	159							
Selectivity	LG3490	LG3490	LG3490	5	3	7	6	4	8	1 (UTC)	2	LG3490	LG3490	LG3490				
				17	28	61	72	105	116	149	160							
Residu	LG3490	LG3490	LG3490	UTC								LG3490	LG3490	LG3490				
				16	29	60	73	104	117	148	161							
Residu	LG3490	LG3490	LG3490	6	4	1 (UTC)	8	2	5	7	3	LG3490	LG3490	LG3490				
				15	30	59	74	103	118	147	162							
Residu	LG3490	LG3490	LG3490	UTC								LG3490	LG3490	LG3490				
				14	31	58	75	102	119	146	163							
Residu	LG3490	LG3490	LG3490	1 (UTC)	2	3	4	5	6	7	8	LG3490	LG3490	LG3490				
				13	32	57	76	101	120	145	164							
Residu	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
				12	33	56	77	100	121	144	165							
Residu	LG3490	LG3490	LG3490	4	7	5	3	1 (UTC)	2	6	Spray test	LG3490	LG3490	LG3490				
				10	35	54	79	98	123	142	167							
Residu	LG3490	LG3490	LG3490	2	6	7	3	5	1 (UTC)	4	Spray test	LG3490	LG3490	LG3490				
				9	36	53	80	97	124	141	168							
Residu	LG3490	LG3490	LG3490	7	4	1 (UTC)	6	2	5	3	Spray test	LG3490	LG3490	LG3490				
				8	37	52	81	96	125	140	169							
Residu	LG3490	LG3490	LG3490	1 (UTC)	2	3	4	5	6	7	Spray test	LG3490	LG3490	LG3490				
				7	38	51	82	95	126	139	170							
Residu	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
				6	39	50	83	94	127	138	171							
Residu	LG3490	LG3490	LG3490	HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test	LG3490	LG3490	LG3490				
				5	40	49	84	93	128	137	172							
Residu	LG3490	LG3490	LG3490	HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test	LG3490	LG3490	LG3490				
				4	41	48	85	92	129	136	173							
Residu	LG3490	LG3490	LG3490	HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test	LG3490	LG3490	LG3490				
				3	42	47	86	91	130	135	174							
Residu	LG3490	LG3490	LG3490	HD6981 GL	HD6981 GL	HD6981 GL	HD6981 C	HD6981 C	HD6981 C	HD6981 C	Spray test	LG3490	LG3490	LG3490				
				2	43	46	87	90	131	134	175							
Residu	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	LG3490	
				1	44	45	88	89	132	133	176							