PART 2 (COUNCIL DECISION 2002/813/EC)

SUMMARY NOTIFICATION INFORMATION FORMAT FOR THE RELEASE OF GENETICALLY MODIFIED HIGHER PLANTS (ANGIOSPERMAE AND GYMNOSPERMAE)

*In order to tick one or several possibilities, please use crosses (meaning x or X) into the space provided as (.)*

## A. General information

1. Details of notification

   (a) Notification number **B/NL….**

   (b) Date of acknowledgement of notification **…….**

   (c) Title of the project **……...**

   (d) Proposed period of release **…….**

2. Notifier

   (a) Name of institute or company: **……,**

3. Is the same GMPt release planned elsewhere, inside or outside the Community [in conformity with Article 6(1)] by the same notifier?

   Yes () No ()

   If yes, insert the country code(s): **……**

   **Please use the following country codes:**
   *Austria AT; Belgium BE; Germany DE; Denmark DK; Spain ES; Finland FI; France FR; United Kingdom GB; Greece GR; Ireland IE; Iceland IS; Italy IT; Luxembourg LU; Netherlands NL; Norway NO; Portugal PT; Sweden SE*

4. Has the same GMPt been notified for release elsewhere, inside or outside the Community, by the same notifier?

   Yes (.) No ()

   If yes, notification number(s): **B/../../…**

## B. Information of the genetically modified plant

1. Identity of the recipient or parental plant

| | | |
|---|---|---|
| (a) | Family name | **Solanaceae** |
| (b) | Genus | **Solanum** |
| (c) | Species | **Solanum tuberosum** |
| (d) | Subspecies (if applicable) | **tuberosum** |
| **(e)** | Cultivar/breeding line (if applicable) | **cultivars suitable for starch production** |
| (f) | Common name | **Potato** |

2. Description of the traits and characteristics which have been introduced or modified, including marker genes and previous modifications

   **The GM-potato is characterized by a lower level of amylose-production Depending on the construct, the GM-potato contains the selection marker gene *npt*II or *ahas* or is marker free.**

3. Type of the genetic modification

| | | |
|---|---|---|
| (a) | Insertion of genetic material | (**X**) |
| (b) | Deletion of genetic material | (.) |
| (c) | Base substitution | (.) |
| (d) | Cell fusion | (.) |
| (e) | Other, specify | … |

4. In the case of insertion of genetic material, give the source and intended function of each constituent fragment of the region to be inserted

   In this project different constructs are used consisting of different combinations of the following fragments:
   - **T-DNA borders from *Agrobacterium tumefaciens***
   - **Tuber specific promoter from potato**
   - ***gbss* sequences from potato (sense/antisense)**
   - **NOS terminator from *A. tumefaciens***

   ***If applicable:***
   *-nptII* **gene from transposon Tn5**
   ***-ahas* gene from *Arabidopsis thaliana***

5. In the case of deletion or other modification of genetic material, give information on the function of the deleted or modified sequences
   **Not applicable**

6. Brief description of the method used for the genetic modification
   **T-DNA was introduced into potato cultivars by Agrobacterium-mediated gene transfer.**

7. If the recipient or parental plant is a forest tree species, describe ways and extent of dissemination and specific factors affecting dissemination
**Not applicable**

C. **Information relating to the experimental release**

1. Purpose of the release (including any relevant information available at this stage) such as agronomic purposes, test of hybridisation, changed survivability or dissemination, test of effects on target or non-target organisms
**……**

2. Geographical location of the release site

Municipalities: **…….**

3. Size of the site ($m^2$)
**The maximum size for all sites per year is 10 hectare in total**

4. Relevant data regarding previous releases carried out with the same GM-plant, if any, specifically related to the potential environmental and human health impacts from the release
**……..**

**D. Summary of the potential environmental impact of the release of the GMPts in accordance with Annex II, D2 to Directive 2001/18/EC**

Note especially if the introduced traits could directly or indirectly confer an increased selective advantage in natural environments; also explain any significant expected environmental benefits
**Since only the natural starch content of te potato will be changed, the lowered amylose content in the potato tubers will not confer a selective advantage in the natural environment, nor will this trait lead to an adverse effect on (non-target) organisms, on human and animal health, on biogeochemical cycli or lead to a change in management.**

**E. Brief description of any measures taken by the notifier for the control of risks including isolation designed to limit dispersal, for example for monitoring and post-harvest monitoring proposals**

**-All handling of GM-plants, GM crops and GM fields will be done according to good agricultural practices.**
**-GM waste material will be destroyed**

**F. Summary of planned field trials designed to gain new data on the environment and human health impact of the release (where appropriate)**
**……..**