

## **ANNEX 5**

### **AMFLORA IP SYSTEM TRAINING 2011**

**© 2012 BASF Plant Science Company GmbH. All Rights Reserved.**

This document is protected under copyright law. This document and the information contained herein are for use only by the regulatory authority to which it has been submitted by BASF Plant Science Company GmbH ("BPS"), and only in support of actions requested by BPS. Any other use of this document and the information contained herein requires the prior written consent of BPS. The submission of this document by BPS shall not be construed as granting of any rights or licenses.

# Amflora Identity Preservation Manual

## Training

2011

## Purpose of the IP Manual

- To assure the quality of Amflora through a system of tracking and records
- To be compliant with the approval and consent conditions
- Amflora potato tubers must be kept physically separated from other potatoes for food, feed and starch during planting, cultivation, harvest, transport, storage, sorting/grading, seed treatment and handling in the environment!
- Very thorough cleaning of all machinery, equipment, storage facilities, sorting/grading equipment, seed treatment equipment, transport vehicles, boxes, etc. prior and after use is essential!

## Identity Preservation System Administrator (IPSA)

- IPSA:  
 [Name deleted]  
 BASF Plant Science, Limburgerhof, Germany
  
- Local BASF support:  
 Name: [Name deleted]  
 Mobile:  
 Email:  
 Fax:

## General rules

- All documents must be stored for 10 years
- Each production site names a responsible person
- The **minimum distance to other potato fields must be 10 m** – see also other potato seed regulations
- **No crops around the Amflora planted area for at least 6 m**
  - Roads, hedges, forest, etc. can be used to ensure the 6 m distance
- Minimum 4-year crop rotation – **no potatoes for the following 3 years**
- All fields must be signed - **1 sign per field saying 'starch potatoes'** in the local language
- One handbook per field (NOT just 1 handbook per farm)
- Labeling (see Document A) in local language unless material is sent abroad – then an English document must be used

## IP Manual: Work instructions

- Detailed list of all process steps
  - Required training
  - Work packages
  - Forms that need to be filled in
  - Relevant documents

## Work Instruction: Outline (2011)

- Important steps for all processes with Critical Control Points
  - A. Seed Potato Multiplication
  - B. Seed Potato Grading

## Forms

- Forms should be filled in
  - Promptly
  - Completely
  - Readable
  - Understandable

The original paper form should always stay at the farm / factory.

## IP Manual Forms

- Form 1: Checklist for the Packaging and Transport of Seed Potatoes
- Form 2: Checklist for the Receipt and Storage of Seed Potatoes at the Farm
- Form A: Record of Shipment of Potatoes
- Form B: Record of Receipt of Shipment of Potatoes
- Form 3: Pre-Planting Checklist of Seed Potatoes at the Farm
- Form 4: Post-Planting Checklist of Seed Potatoes
- Form 5: Field-plot card-index
- Form 6: Pre-Harvest Checklist of Potatoes
- Form 7: Post-Harvest Checklist
- Form 8: Preparation of Potatoes for Grading
- Form 9: Post-Grading Activities

## Form 1: Checklist for the Packaging and Transport of Seed Potatoes

- Form 1 must be used for all shipments but not for movements
  - Definition Shipment:
    - All Amflora long-distance transport when SHIPBPS has to be used
  - Definition Movement:
    - All Amflora short-distance transport between different sites, e.g. from the farm to the field and vice versa, from the farm to the sorting facility, etc.
    - NOT within 1 site, e.g. from building 1 to building 2 or within a building
- Correct Labeling
- Intact Seals (for certified seed)
- Required Training
- Form A filled in
- If the answer to any question is NO, make the required corrections or contact your local BASF support prior to shipment
  - Question 6: this question should be answered n/a – it is not necessary to include Form 2 with the shipment

## Form 2: Checklist for the Receipt and Storage of Seed Potatoes at the Farm

- Form 2 must be used for all shipments but not for movements (see previous slide for definitions)
- Containers intact
- Correct Labeling
- Intact Seals (for certified seed)
- Appropriate Storage
- Form B filled in
- If the answer to any question is NO, make the required corrections or contact your local BASF support prior to accepting shipment



## Form A: Record of Shipment of Potatoes

- Form A must be used for all shipments and all movements
  
- Shipment Data
  - Truck ID and Driver
  - Container ID Numbers
  - Numbers of Seal or Label



## Form B: Record of Receipt of Shipment of Potatoes

- Form B must be used for all shipments and all movements
  
- Shipment Data
  - Truck ID and Driver
  - Container ID Numbers
  - Location of Storage
  - Numbers of Seal or Label



### Form 3: Pre-Planting Checklist of Seed Potatoes at the Farm

- All Vehicles cleaned before usage
- Minimum 10 m distance planned to the next potato field
- 6 m fallow land
- Intact Seals
- Planter to be filled within field
  
- If the answer to any question is NO, make the required corrections or contact your local BASF support prior to planting



### Form 4: Post-Planting Checklist of Seed Potatoes

- Minimum 10 m distance to the next potato field
- Has 1 sign 'starch potatoes' been placed at the field
- Remaining seed tubers returned or properly disposed of
- All Vehicles cleaned after usage
  
- If the answer to any question is NO, make the required corrections or contact your local BASF support

## Form 5: Field-plot card-index

- Has to be filled in during the entire growing season
- Cultivation, Starting after harvest of the preceding crop
- Declaration concerning Seed Potatoes
- Planting / Cultivation
- Fertilization
- Chemical Weed Control
- Parasites
- Phytophthora
- Harvest
- General observations during the vegetation period
- General observations after harvest
- Unusual field observations

## Form 6: Pre-Harvest Checklist of Potatoes

- Harvest date sent to IPSA
- All Vehicles cleaned before usage
- Labels prepared
- Storage cleaned
- If the answer to any question is NO, make the required corrections or contact your local BASF support prior to harvest
  - Question 7: this question should be answered n/a – it is not possible to seal the containers at harvest already



## Form 7: Post-Harvest Checklist

- Entire field harvested
- All Vehicles cleaned after usage
- Correct Labeling
- Storage cleaned
- Forms A & B filled in for all movements
  
- If the answer to any question is NO, make the required corrections or contact your local BASF support
  - Question 6: this question should be answered n/a – it is not possible to seal the containers at harvest already



## Form 8: Preparation of Potatoes for Grading

- Appropriate Storage
- All Equipment cleaned before usage
- Movement – if yes, Form A filled in
  
- If the answer to any question is NO, make the required corrections or contact your local BASF support prior to start potato grading



## Form 9: Post-Grading Activities

- Appropriate Storage
- Correct Labeling
- All Equipment cleaned after usage
- Movement – if yes, Form B filled in
- Unusable potatoes properly disposed of
  
- If the answer to any question is NO, make the required corrections or contact your local BASF support



## Additional Forms 107, 109, 111, 112, 113

- Form 107: Disposal of Potatoes
- Form 109: Storage Index
- Form 111: Observations on Volunteer Plants
- Form 112: Confirmation of Employee Training
- Form 113: Visit by Monitoring Authority



## Form 107: Disposal of Potatoes

- Type of potatoes / material
- Reason for disposal
- Quantity
- Type of disposal
- Date & signature
  
- Starting at planting 2011
- This form remains at the site



## Form 109: Storage Index

- Storage facility
- Batch number
- Labeling
- Number of containers
- Date of entry, date of exit
  
- This form remains at the site



## Form 111: Observations on Volunteer Plants

- Amflora cultivation year
- Field identification (GPS) and field name
- Current crop with planting and harvest date
- Observations made
- Means of destruction
  
- This will be coordinated by BASF Regulatory (*Name deleted*)



## Form 112: Confirmation of Employee Training

- Training topics
- Names and signatures of participants (trained persons)
- Name and signature of responsible Person (Trainer)
  
- Send a copy of the completed form to your local BASF support



## Form 113: Visit by Monitoring Authority

- Location
- Date
- Monitoring Authority
- Name of the Representative
  
- Send a copy of the completed form to your local BASF support



## Document A: Labeling

- Seed potatoes; Starch potatoes; Potato tubers for disposal:
  - **This product contains genetically modified amylopectin starch potatoes**
  - **Unique identifier BPS-25271-9**
  - **Not for human consumption**
  - **Not for animal consumption**
  
- Labeling in local language unless material is send abroad – then an English document must be used

## Audits

- IP System audits by BASF – 3 times per year
  - Auditor: [*Name deleted*]
    - Around planting
    - During the growing season
    - Around harvest
- The farmer must be present during the audit
- All required documentation, labels, etc. must be available during the audit