

## **ANNEX 5**

### **AMFLORA IDENTITY PRESERVATION MANUAL TRAINING 2010**

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# **Amflora Identity Preservation Manual Training**

**2010**

# 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 the 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:

  - xxx



- Local support:

  - Mobile: xxx

  - Fax: xxx

# General rules

- All documents must be stored for 10 years
- The minimum distance to other potato fields must be 10 m – see also other potato seed regulations
- No crops around the Amflora area of 5 m
- Each production site names a responsible person
- Minimum 4-year crop rotation – no potatoes for the following 3 years
- All fields must be signed - 1 sign per field saying ‘starch potatoes’

# 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

- Important steps for all processes with Critical Control Points
  - A. Seed Potato Multiplication
  - B. Seed Potato Grading
  - C. Production of Starch Potatoes for Processing
  - D. Potato (Raw Material) Delivery to Starch Processor
  - E. Starch Production
  - F. Storage of Starch in Silo after Processing
  - G. Use of Potato Pulp after production

# Forms 1-11

- 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 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 10: Preparation of Potatoes for Processing
- Form 11: Post-Processing Checklist



# Forms

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

The original form should always stay at the farm / factory. A copy should be send by fax or email to xxx!

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

- Correct Labeling
  - Intact Seals (certified seed)
  - Required Training
  - Form A filled in
  - Form B prepared
- 
- If the answer to any question is NO, make the required corrections or contact the IPISA prior to the shipment
  - If the answers to all of the questions are YES, forward this document to xxx

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

- Containers intact
  - Correct Labeling
  - Intact Seals
  - Appropriate Storage
  - Form B filled in
- 
- If the answer to any question is NO, make the required corrections or contact the IPSA prior to accepting shipment
  - If the answers to all of the questions are YES, forward this document to xxx

## 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
- 5m fallow land
- Intact Seals
- Planter to be filled within field
  
- If the answer to any question is NO, make the required corrections or contact the IPISA prior to planting
- If the answers to all of the questions are YES, forward this document to xxx

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

- Minimum 10 m distance to the next potato field
  - Have Signs been placed at the field
  - Remaining seed tubers returned
  - All Vehicles cleaned after usage
- 
- If the answer to any question is NO, make the required corrections or contact the IPISA
  - If the answers to all of the questions are YES, forward this document to xxx

# Form 5: Field-plot card-index

- Cultivation, Starting after harvest of the Precrop
- 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
- Forward this document to xxx

# Form 6: Pre-Harvest Checklist of Potatoes

- Harvest date sent to IPSA
- All Vehicles cleaned before usage
- Labels prepared
- Storage cleaned
- Seals prepared
  
- If the answer to any question is NO, make the required corrections or contact the IPSA prior to harvest
- If the answers to all of the questions are YES, forward this document to xxx

# Form 7: Post-Harvest Checklist

- Entire field harvested
  - All Vehicles cleaned after usage
  - Correct Labeling
  - Storage cleaned
  - Seals attached
  - Form A filled in
  - Form B prepared
- 
- If the answer to any question is NO, make the required corrections or contact the IPISA prior to leaving the plot area
  - If the answers to all of the questions are YES, forward this document to xxx



## Form 8: Preparation of Potatoes for Grading

- Appropriate Storage
- All Equipment cleaned before usage
- Transport needed – if yes, Form A filled in and Form B prepared
  
- If the answer to any question is NO, make the required corrections or contact the IPSA prior to leaving potato grading storage area
- If the answers to all of the questions are YES, forward this document to xxx

## Form 9: Post-Grading Activities

- Appropriate Storage
  - Correct Labeling
  - All Equipment cleaned after usage
  - Unusable potatoes properly disposed of
- 
- If the answer to any question is NO, make the required corrections or contact the IPSA prior to leaving potato grading storage area
  - If the answers to all of the questions are YES, forward this document to xxx

## Form 10: Preparation of Potatoes for Processing

- Appropriate Storage
- Factory properly cleaned before usage
- All Equipment cleaned before usage
  
- If the answer to any question is NO, make the required corrections or contact the IPSA prior to leaving potato grading storage area
- If the answers to all of the questions are YES, forward this document to xxx

# Form 11: Post-Processing Checklist

- Appropriate Storage
- Correct Labeling
- Factory properly cleaned after usage
- All Equipment cleaned after usage
- Unusable by-products properly disposed of
  
- If the answer to any question is NO, make the required corrections or contact the IPISA
- If the answers to all of the questions are YES, forward this document to xxx

## Forms A-D

- Form A: Record of Shipment of Potatoes
- Form B: Record of Receipt of Shipment of Potatoes
- Form C: Record of Shipment of Pulp from genetically modified Potatoes
- Form D: Record of Receipt of Pulp from genetically modified Potatoes

# Form A: Record of Shipment of Potatoes

- Shipment Data
  - Truck ID and Driver
  - Container ID Numbers
  - Numbers of Seal or Label
- When this document is full or complete forward immediately to xxx

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

- Shipment Data
  - Truck ID and Driver
  - Container ID Numbers
  - Location of Storage
  - Numbers of Seal or Label
- When this document is full or complete forward immediately to xxx

## Form C: Record of Shipment of Pulp from genetically modified Potatoes

- Shipment Data
- Truck ID and Driver
- Container ID Numbers
  
- When this document is full or complete forward immediately to xxx



## Form D: Record of Receipt of Shipment of Pulp from genetically modified Potatoes

- Shipment Data
- Truck ID and Driver
- Container ID Numbers
  
- When this document is full or complete forward immediately to xxx

# Monitoring levels

- At all process steps, monitoring takes place in two stages
  - Operational self-check with Forms 1-4, 6-9
  - Monitoring by auditors from BASF – up to 3 times per year
    - ➔ Around planting
    - ➔ During the growing season
    - ➔ Around harvest



# Forms 109, 112

- Form 109: Storage Index
- Form 112: Confirmation of Employee Training

# Form 109: Storage Index

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

# Form 112: Confirmation of Employee Training

- Training topics
- Names and signatures of participants (trained persons)
- Name and signature of responsible Person (Trainer)
  
- Send completed form to xxx and keep the original

# 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**
- Starch:
  - **Produced from amylopectin starch potatoes**
  - **For industrial use only**
  - **Not for human consumption**

# Document A: Labeling

- Pulp for disposal:
  - **Produced from amylopectin starch potatoes**
  - **By-product for disposal**
  
- Pulp for animal feed:
  - **Produced from genetically modified amylopectin starch potatoes**
  - **Unique identifier BPS-25271-9**
  - **Not for human consumption**