AFSTA, Cairo Egypt

Bejo Zaden B.V. and True Potato Seed (T.P.S.)

Rien van Bruchem
Content

• Bejo introduction
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1700 employees worldwide

Complete assortment:
50 crops, 1200 varieties

Organic program:
40 crops, 150 varieties
Warmenhuizen
The Netherlands

> Quality control, processing and storage of globally produced Bejo seed

> Research Center
What is True Potato seed?
Botanic seed versus potato tuber

- 50 grams seed/ha versus 2.500kg tubers/ha
- Clean start
- ‘Unlimited’ shelflife
- Flexible for the chain
- Logistic advantages

- Quick multiplication, efficiënt; one plant produces several grams of seeds. Therefore new hybrids will be ready relatively early for commercial introduction
First commercial hybrid: Oliver F1

- Slightly floury table potato with an oval shape
- Beautiful smooth skin
- Very good flavour
- Tuber shape of Oliver F1 is oval with cream skin, cream flesh and white flowers
- The eyes are few and shallow
- 40,000 – 50,000 plants/ha
- Maturity 100-120 days after transplanting
- One plant can produce appr. 0.5 – 1.5 kg depending on growing conditions

The advantages of TPS are particularly important for farmers in Africa, Asia and Central America in remote area’s.
Bejo Zaden and T.P.S. – where are we now?

- Over twenty years of research TPS
- 2013: application for registration in the Netherlands of a tetraploid hybrid
- Since two years commercial trials with Oliver F1
- 2016: positive seed production results
- 2017: positive results on seed technology research
- 2017: Dutch Plant Breeder’s Right for Bejo 3016 F1 is obtained
- 2017: Bejo 3016 F1 is named Oliver F1
- 2018: gaining legal market access
- Ongoing: developing distribution scenario’s
Potato breeding activities

• Breeding program the Netherlands
• Breeding program USA
• Breeding on location in the potential potato market (future)
• Market demands into breeding goals
Potato hybrid experiences
Different scenario’s for TPS distribution into the market

- Direct sowing
- Via transplants
- Local (Mini)tuber production
Future
Regulations

Commission Implementing Decision (EU) 2017/547

EU:
Temporary Experiment 7 years
Listing in application. Application for VCU has been done by Bejo
CPVO takes over the Dutch protocol for DUS
VCU protocol yet to be completed

NL:
Breedersright
DUS protocols are accepted
Market access for Africa:

- Approach per country
- Image potato tuber import
- Hygieneprotocols
- Local trials in cooperation with the Ministries, registration bodies, farmers

Bejo Zaden Investments

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ADDENDUM TO PLANT IMPORT PERMIT NO... K.K.K. 1.17.1922

**Potato**

**Seed Potato Produced in the Netherlands**

1. To be accompanied by a PhytoSanitary Certificate with additional declaration that the following pests do not occur in the area of production:

(a) Chimeria elegans
(b) Cleistocactus compactus
(c) Cyclamen mosaica
(d) Diaphorina citri
(e) Deltaplastis citri
(f) Eriosoma lanigerum
(g) Eriophyes longisetosus
(h) Aulacaspis citri
(i) Aulacaspis zoegus
(j) Phytophthora cryptogea
(k) Rhizoctonia solani
(l) Senecaocystis cryptica

2. The consignment must be free from soil and other extraneous material.

3. To notify the Plant Quarantine and PhytoSanitary Service immediately upon arrival of the consignment.

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**Permit No. KEPHIS/20217/2017**

Kenya Rural Development Cororate Service (KEPHIS) Notification Permit

Act Cap 324

Date: 7 February, 2017

A permit before plant material is dispatched.

L. Warmsamshiren, HOLLAND

Minister Agreement between Kenya and The

Prohibition of entry of the plant material.

- Sigeleaves, maize, rice, sorghum, tall, wheat, other

material must be accompanied have been killed before use of the material after by

maker, details to be stated on PhytoSanitary Certificate.

Gina Wacera Karuru

Director of Agriculture

Directorate for Plant Quarantine and Phytosanitary Services

Allowance of plant materials

Approval or licence required under any

Fees: $100.00

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2018 and ahead plans

- More trials breeding & commercial
- Focus on Africa
- Hybrid tuber trials
- Contacts with governments
- Import/Export
- Product forms
- Hybrids for several market segments
Discussion