



**TWV/48/12 Add.**  
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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
Geneva

**TECHNICAL WORKING PARTY FOR VEGETABLES**

**Forty-Eighth Session**  
**Paestum, Italy, from June 23 to 27, 2014**

ADDENDUM TO DOCUMENT TWV/48/12

REVISION TO DOCUMENT TGP/7: PLANT MATERIAL SUBMITTED FOR EXAMINATION

*Document prepared by the Netherlands*

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The annex to this document contains a copy of the presentation made by an expert from the Netherlands, at the forty-eighth session of the Technical Working Party for Vegetables (TWV), on "Plant Material submitted for Examination: The Case of Vegetatively Propagated Leek".

[Annex follows]

The logo for 'nak tuinbouw' features the word 'nak' in a lowercase, sans-serif font, followed by a stylized graphic of a green leaf and a brown stem, and then the word 'tuinbouw' in a lowercase, serif font. The background is a light green and yellow gradient with a faint image of a cloudy sky.A smaller version of the 'nak tuinbouw' logo, positioned in the bottom left corner of the page.

**Plant Material submitted for  
Examination:  
The Case of vegetatively propagated  
Leek**

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TWV 48 2014

A smaller version of the 'nak tuinbouw' logo, positioned in the bottom left corner of the page.

## Plant Material to submit of vegetatively propagated Leek



- Parent lines of Leek are usually propagated by bulbils, which develop on the inflorescence.
- Leek is a bi-annual; after flowering in the second year, the plant dies.
- The identity material is in the form of young plants, raised by the applicant until it has reached a certain defined size before the period that it has to be submitted (around 1st of September)

## Complications



- For this vegetatively reproduced material the maintenance of a living reference collection is **practically** very complicated
- A second growing cycle with the material is then not possible; if a second year is needed, new plant material is required
- The life cycle of vegetative material and plants grown from seed is not synchronic
- Material from different sources (applications and references) are not exactly in the same stage of development (in/between companies)

## Plant material not accepted



nak  tuinbouw

## Plant material accepted



nak  tuinbouw

## The reference collection (1)



- Comparison between reference material and new applications creates problems.
- New reference material has to be requested each year and the problem arises to ensure that the identity of the newly received reference material is identical to that of the old material
- Such problems can be solved using sources such as the variety description and photo's.

## The reference collection (2)

In 2012 the living reference collection was collected in the trial, compared with the description and standard photo's taken



## Potential problems, how to tackle



- (Small) differences between description/photo and newly supplied material may give the impression that the material is not representing the variety.
- From each variety and application plant DNA material is stored that can be of help in cases of doubt.