

TWV/48/12 Add. ORIGINAL: English DATE: September 16, 2014

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]

TWV/48/12 Add.

ANNEX

1

nak tuinbouw



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

> Marian van Leeuwen Naktuinbouw, the Netherlands TWV 48 2014

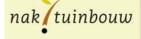
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Plant Material to submit of vegetatively propagated Leek

 Parent lines of Leek are usually propagated by bulbils, which develop on the inflorescence.

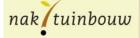


- Leek is a bi-annual; after flowering in the second year, the plant dies.
- The identity material is in the form of young plants, raised by the applicant until it has reached a certain defined size before the period that it has to be submitted (around 1st of September)



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 synchrone
- Material from different sources (applications and references) are not exactly in the same stage of development (in/between companies)



Plant material not accepted







The reference collection (1)



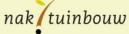
- Comparison between reference material and new applications creates problems.
- New reference material has to be requested each year and the problem arises to ensure that the identity of the newly received reference material is identical to that of the old material
- Such problems can be solved using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

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The reference collection (2)

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



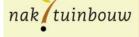


Potential problems, how to tackle



- (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.



Quality in Horticulture

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