

TWV/49/31 Add.
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### INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

### Forty-Ninth Session Angers, France, June 15 to 19, 2015

**TECHNICAL WORKING PARTY FOR VEGETABLES** 

### ADDENDUM TO

### USE OF DISEASE RESISTANCE CHARACTERISTICS IN DUS EXAMINATION

Document prepared by an expert from the European Union

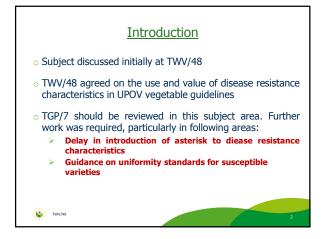
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1. The Annex to this document contains a presentation on the use of disease resistance characteristics in DUS examination made at the forty-ninth session of the Technical Working Party for Vegetables (TWV).

[Annex follows]

### **ANNEX**





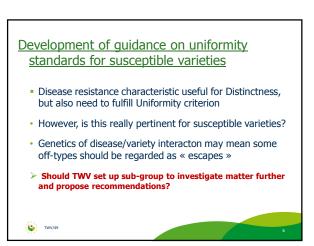
### Practical difficulties in relation to disease resistance characteristics Consequences for examination authorities: a) Investment required: financial, facilities, staff. Benefits need to outweigh costs! b) Reliable methodologies required. Harmonisation work necessary (see CPVO R&D projects: Harmores 1 & 2, ....3?) c) Levels of expertise amongts examination authorities can differ greatly

Bilateral agreements

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# Practical difficulties in relation to disease resistance characteristics Consequences for breeders: a) Varying levels of importance given on the matter b) Methodologies developped in-house v. UPOV prescribed methodologies. Can lead to different results in DUS test compared to declration in TQ! Implications: > No impact on DUS test > Impact on DUS test, but application allowed to proceed > Impact on DUS test, application rejected c) Requirements on uniformity need to be fulfilled, even for susceptible varieties

## Strategy for introduction of asterisk to disease resistance characteristics CPVO intends to introduce later in 2015 a running-in phase of 5 years for new (\*) Consensus required by all parties Allows breeders and examination authorities to adapt to the future situation Not possible at UPOV level! Should TWV recommended a modification to TGP/7 to allow such a possibility?



## Greater collaboration with other groups working on disease resistance Further efforts required to harmonise terminology ISF working group – to act as focal point on matter? Double work in some parts of the world Periodic review in order to keep up with appearance of new races Uptake of new techniques Molecular assisted markers....



[End of Annex and of document]