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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**

Geneva

**ENLARGED EDITORIAL COMMITTEE****Geneva, January 9 and 10, 2013**

## PARTIAL REVISION OF THE TEST GUIDELINES FOR SPINACH

*Document prepared by the Office of the Union*

1. The Technical Working Party for Vegetables (TWV) at its forty-sixth session, held near the city of Venlo, Netherlands, from June 11 to 15, 2012, agreed to propose to revise the Test Guidelines for Spinach (document TG/55/7 Rev.) as follows:
  - (a) to add a new characteristic "Leaf: anthocyanin coloration of petioles and veins" after Characteristic 1, which would also be included as a grouping characteristic in Chapter 5.3. An explanation for the new characteristic would be provided in Chapter 8.
  - (b) for Characteristic 17 "Resistance to *Peronospora farinosa* f.sp. *spinaciae*"
    - to add an asterisk for Race Pfs: 5, Race Pfs: 6 and Race Pfs: 7;
    - to add Race Pfs: 12 and Race Pfs: 13, including example varieties
    - to add columns for Race Pfs: 12 and Race Pfs: 13 in the table of differential varieties to identify races in Ad. 17 "Resistance to *Peronospora farinosa* f.sp. *spinaciae*."
2. The Annex to this document contains the proposed partial revision of the Test Guidelines for Spinach (document TG/55/7 Rev.), as set out in paragraph 1 of this document.
3. The partial revision of document TG/55/7 Rev. would be adopted as document TG/55/7 Rev.2.

[Annex follows]

## ANNEX

Proposed new characteristic "Leaf: anthocyanin coloration of petioles and veins" after characteristic 1

	English	français	Deutsch	español	Example Varieties Exemples Beispielsorten Variedades ejemplo	Note/ Nota	
<b>NEW</b> (*) (+)	<b>VG</b>	<b>Leaf: anthocyanin coloration of petioles and veins</b>	<b>Feuille : pigmentation anthocyanique du pétiole et des veines</b>	<b>Blatt: Anthocyanfärbung des Blattstiels und der Adern</b>	<b>Hoja: pigmentación antocianica del peciolo y de los nervios</b>		
<b>QL</b>	<b>(a)</b>	absent	absentes	fehlend	ausentes	Resistoflay, Nores	1
		present	présentes	vorhanden	presentes	Red Cardinal, Reddy	9

Ad. NEW : Leaf: anthocyanin coloration of petioles and veins

1  
absent



9  
present



	English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>17.8</b>	<b>Race Pfs: 8</b>	<b>Race Pfs: 8</b>	<b>Pathotyp Pfs: 8</b>	<b>Raza Pfs: 8</b>		
	absent	absente	fehlend	ausente	Boeing, Campania	1
	present	présente	vorhanden	presente	Lazio, Lion	9
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<b>17.9</b>	<b>Race Pfs: 10</b>	<b>Race Pfs: 10</b>	<b>Pathotyp Pfs:10</b>	<b>Raza Pfs:10</b>		
	absent	absente	fehlend	ausente	Boeing, Campania, Lion	1
	present	présente	vorhanden	presente	Lazio	9
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<b>17.10</b>	<b>Race Pfs: 11</b>	<b>Race Pfs: 11</b>	<b>Pathotyp Pfs: 11</b>	<b>Raza Pfs: 11</b>		
	absent	absente	fehlend	ausente	Lazio	1
	present	présente	vorhanden	presente	Boeing, Califlay, Campania, Lion	9
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<b>17.11</b>	<b>Race Pfs: 12</b>	<b>Race Pfs: 12</b>	<b>Pathotyp Pfs: 12</b>	<b>Raza Pfs: 12</b>		
	<u>absent</u>	<u>absente</u>	<u>fehlend</u>	<u>ausente</u>	<u>Boeing, Campania</u>	<u>1</u>
	<u>present</u>	<u>présente</u>	<u>vorhanden</u>	<u>presente</u>	<u>Finch, Pigeon, Red Kitten, Zebu</u>	<u>9</u>
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<b>17.12</b>	<b>Race Pfs: 13</b>	<b>Race Pfs: 13</b>	<b>Pathotyp Pfs: 13</b>	<b>Raza Pfs: 13</b>		
	<u>absent</u>	<u>absente</u>	<u>fehlend</u>	<u>ausente</u>	<u>Campania</u>	<u>1</u>
	<u>present</u>	<u>présente</u>	<u>vorhanden</u>	<u>presente</u>	<u>Boeing, Lion</u>	<u>9</u>

Proposed amendment to the table of differential varieties to identify races in Ad. 17 “Resistance to *Peronospora farinosa* f. sp. *spinaciae*”

Proposed amendments are indicated **in yellow**

Ad 17: Resistance to *Peronospora farinosa* f. sp. *spinaciae*

[...]

Differential varieties to identify races

Races Pfs: 1-8 and 10-**13** of *Peronospora farinosa* f. sp. *spinaciae* are defined with a standard set of “differential varieties” according to the following table:

Differential variety	Pfs: 1	Pfs: 2	Pfs: 3	Pfs: 4	Pfs: 5	Pfs: 6	Pfs: 7	Pfs: 8	Pfs: 10	Pfs: 11	Pfs: 12	Pfs: 13
Viroflay	S	S	S	S	S	S	S	S	S	S	S	S
Resistoflay	R	R	S	S	S	S	S	S	S	S	S	S
Califlay	R	S	R	S	R	S	S	R	S	R	R	S
Clermont	R	R	R	R	S	S	S	S	S	S	S	S
Campania	R	R	R	R	R	S	R	S	S	R	S	S
Boeing	R	R	R	R	R	R	R	S	S	R	S	R
Lion	R	R	R	R	R	R	R	R	S	R	R	R
Lazio	R	R	R	R	R	R	R	R	R	S	S	S

Legend: R= resistance present; S = resistance absent, susceptible

[End of Annex and of document]