



TWV/44/27

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

TECHNICAL WORKING PARTY FOR VEGETABLES

Forty-Fourth Session
Veliko Tarnovo, Bulgaria, July 5 to 9, 2010

PARTIAL REVISION OF THE TEST GUIDELINES FOR SPINACH
(DOCUMENT TG/55/7)

Document prepared by experts from the Netherlands

Introduction

1. At its forty-third session held in Beijing from April 20 to 24, 2009, the Technical Working Party for Vegetables (TWV) decided to include “Spinach (Partial revision: *Peronospera* disease)” in the agenda of the forty-fourth session to be held in Veliko Tarnovo, Bulgaria, from July 5 to 9, 2010.

Partial Revision of Test Guidelines for Spinach (TG/55/7)

2. It is proposed to revise Test Guidelines for Spinach TG/55/7 as follows:

- (a) Correction of the pathogen denomination of *Peronospora farinosa* f. **sp.** *spinaciae* in Characteristic 17
- (b) Addition of “Race Pfs: 11” in Characteristic 17, including example varieties, as follows:

17. (+)	VG Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i>	Résistance à <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i>	Resistenz gegen <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i>	Resistencia a <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i>		
17.10	Race Pfs: 11	Race Pfs: 11	Pathotyp Pfs: 11	Raza Pfs: 11		
	absent	absente	fehlend	ausente	Lazio	1
	present	présente	vorhanden	presente	Boeing, Califlay, Campania, Lion	9

(c) Addition of a column for “Pfs: 11” in the table of differential varieties to identify races in Ad. 17, as follows:

Differential varieties to identify races:

Races Pfs: 1-8 and 10-11 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
Viroflay	S	S	S	S	S	S	S	S	S	S
Resistoflay	R	R	S	S	S	S	S	S	S	S
Califlay	R	S	R	S	R	S	S	R	S	R
Clermont	R	R	R	R	S	S	S	S	S	S
Campania	R	R	R	R	R	S	R	S	S	R
Boeing	R	R	R	R	R	R	R	S	S	R
Lion	R	R	R	R	R	R	R	R	S	R
Lazio	R	R	R	R	R	R	R	R	R	S

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

3. The above proposal was circulated to the Technical Working Party for Vegetables (TWV) by means of Circular E-1270 of April 22, 2010. In response to the request of the International Seed Federation (ISF), “Califlay” has been added as an example variety for state 9 of Characteristic 17.10.

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