



TWV/45/21

ORIGINAL: English

DATE: June 30, 2011

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

TECHNICAL WORKING PARTY FOR VEGETABLES

Forty-Fifth Session
Monterey, United States of America
July 25 to 29, 2011

PARTIAL REVISION OF THE TEST GUIDELINES FOR FRENCH BEAN
(DOCUMENT TG/12/9)

Document prepared by France

1. At its forty-fourth session held in Veliko Tarnovo, Bulgaria, from July 5 to 9, 2010, the Technical Working Party for Vegetables (TWV) considered a proposal to amend characteristics 49 to 51, and to add a new characteristic, in the Test Guidelines for French Bean (document TG/12/9), as set out in document TWV/44/30 "Partial Revision of the Test Guidelines for French Bean (document TG/12/9)". That proposal had been circulated to the TWV and the Technical Working Party for Agriculture (TWA) by means of Circular E-1285 of April 28, 2010. However, given the short time before the thirty-ninth session of the TWA, the Chairpersons of the TWV and the TWA agreed that the TWV should consider the proposed partial revision of the Test Guidelines for French Bean at its forty-fourth session, and a report would be made to the TWA in 2011, with a view to proposing the adoption of the partial revision by the Technical Committee (TC) in 2012.
2. The TWV, at its forty-seventh session, agreed to propose the amendments to the Test Guidelines for French Bean (document TG/12/9), as set out in the annex to this document.
3. The TC, at its forty-seventh session held in Geneva from April 4 to 6, 2011, agreed the program for the partial revision of the Test Guidelines for French Bean as set out in document TC/47/2 Annex III (see document TC/47/26 "Report on the Conclusions", paragraph 105).

4. The Technical Working Party for Agricultural Crops, at its fortieth session, held in Brasilia, Brazil, from May 16 to 20, 2011, considered document TWA/40/17, which contained the proposed amendments to the Test Guidelines for French Bean(TG/12/9) as set out in the annex to this document. One expert asked whether the new characteristic “Resistance to Bean Common Mosaic Necrosis Virus (BCMNV) covered characteristic 50 “Type of resistance to Bean Common Mosaic Virus (BCMV). Some experts expressed the view that indicating the disease resistance as an asterisked characteristic might be problematic since it obliges authorities to test resistance to diseases which may not occur in their territories or may not be important (see document TWA/40/23 “Report”, paragraph 20).

PROPOSAL TO BE CONSIDERED BY THE TWV

5. In response to the matters raised by the TWA, the Leading Expert, François Boulineau, recommends to delete characteristic 50 “Type of resistance to Bean Common Mosaic Virus (BCMV)”. That recommendation is made on the basis that BCMV and BCMNV relate to the same disease. However, BCMNV is independent of temperature for induction of top necrosis symptoms, thereby producing more reliable results.

[Annex follows]

ANNEX

Proposed Partial Revision of the Test Guidelines for French Bean (document TG/12/9)Proposed Amendment of Characteristic 49 in the Table of Characteristics*Current wording*

49. (+)		Resistance to Bean anthracnose (<i>Colletotrichum lindemuthianum</i>)	Résistance à l'anthracnose du Haricot (<i>Colletotrichum lindemuthianum</i>)	Resistenz gegen Brennflecken-krankheit (<i>Colletotrichum lindemuthianum</i>)	Resistencia a la antracnosis de la judía (<i>Colletotrichum lindemuthianum</i>)		
49.1	VG	Race Lambda	Pathotype Lambda	Pathotyp Lambda	Patotipo Lambda		
QL		absent	absente	fehlend	ausente	Daisy (D), Tuf (D)	1
		present	présente	vorhanden	presente	Belfin (D), Label (D), Reskia (D)	9
49.2	VG	Race Kappa	Pathotype Kappa	Pathotyp Kappa	Patotipo Kappa		
QL		absent	absente	fehlend	ausente	Belfin (D), Label (D)	1
		present	présente	vorhanden	presente	Reskia (D)	9

Proposed new wording

49. (+)		Resistance to Bean anthracnose (<i>Colletotrichum lindemuthianum</i>)	Résistance à l'anthracnose du Haricot (<i>Colletotrichum lindemuthianum</i>)	Resistenz gegen Brennflecken-krankheit (<i>Colletotrichum lindemuthianum</i>)	Resistencia a la antracnosis de la judía (<i>Colletotrichum lindemuthianum</i>)		
49.1 (*)	VS/ VG	Race 6	Pathotype 6	Pathotyp 6	Patotipo 6		
QL		absent	absente	fehlend	ausente	Goldrush, Masai, Michelet	1
		present	présente	vorhanden	presente	Booster, Pastoral	9
49.2	VS/ VG	Race Kappa	Pathotype Kappa	Pathotyp Kappa	Patotipo Kappa		
QL		absent	absente	fehlend	ausente	Goldrush, Masai, Michelet	1
		present	présente	vorhanden	presente	Booster, Pastoral	9

Proposed Amendment of Characteristic 50 in the Table of Characteristics

The TWV agreed to propose to delete the asterisk for the following characteristic:

Current wording

50. (*) (+)	VG	Type of resistance to Bean Common Mosaic Virus (BCMV)	Type de résistance au virus de la mosaïque commune du Haricot (BCMV)	Art der Resistenz gegen Gewöhnliches Bohnenmosaikvirus (BCMV)	Tipo de resistencia al virus del mosaico común de la judía (BCMV)		
QL		mosaic development present, blackroot development absent	développement de la mosaïque présent, développement du blackroot absent	Mosaikentwicklung vorhanden, Entwicklung von Schwarzbeinigkeit fehlend	desarrollo del mosaico presente, desarrollo del pie negro ausente	Michelite (D), Rapier (D), Spinel (C)	1
		mosaic development absent, blackroot development present	développement de la mosaïque absent, développement du blackroot présent	Mosaikentwicklung fehlend, Entwicklung von Schwarzbeinigkeit vorhanden	desarrollo del mosaico ausente, desarrollo del pie negro presente	Arena (D), Masai (D), Odessa (D), Topcrop (D)	2
		mosaic development absent, blackroot development absent	développement de la mosaïque absent, développement du blackroot absent	Mosaikentwicklung fehlend, Entwicklung von Schwarzbeinigkeit fehlend	desarrollo del mosaico ausente, desarrollo del pie negro ausente	Felspar (C), Great Northern 31 (D)	3

Proposed new wording

50. (+)	VG	Type of resistance to Bean Common Mosaic Virus (BCMV)	Type de résistance au virus de la mosaïque commune du Haricot (BCMV)	Art der Resistenz gegen Gewöhnliches Bohnenmosaikvirus (BCMV)	Tipo de resistencia al virus del mosaico común de la judía (BCMV)		
QL		mosaic development present, blackroot development absent	développement de la mosaïque présent, développement du blackroot absent	Mosaikentwicklung vorhanden, Entwicklung von Schwarzbeinigkeit fehlend	desarrollo del mosaico presente, desarrollo del pie negro ausente	Michelite (D), Rapier (D), Spinel (C)	1
		mosaic development absent, blackroot development present	développement de la mosaïque absent, développement du blackroot présent	Mosaikentwicklung fehlend, Entwicklung von Schwarzbeinigkeit vorhanden	desarrollo del mosaico ausente, desarrollo del pie negro presente	Arena (D), Masai (D), Odessa (D), Topcrop (D)	2
		mosaic development absent, blackroot development absent	développement de la mosaïque absent, développement du blackroot absent	Mosaikentwicklung fehlend, Entwicklung von Schwarzbeinigkeit fehlend	desarrollo del mosaico ausente, desarrollo del pie negro ausente	Felspar (C), Great Northern 31 (D)	3

Amendment of Characteristic 51 in the Table of Characteristics

Current wording

51. (+)		Resistance to Halo Blight (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)	Résistance à la graisse à halo (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)	Resistenz gegen Fettflecken-krankheit (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)	Resistencia a la grasa (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)		
51.1	VG	US Race 1	US Pathotype 1	US Pathotyp 1	US Patotipo 1		
QL		absent	absente	fehlend	ausente	Amboy (D), Michelite (D)	1
		present	présente	vorhanden	presente	RM UI-3 (D), RM UI-34 (D), Forum (D), Masai (D)	9
51.2	VG	US Race 2	US Pathotype 2	US Pathotyp 2	US Patotipo 2		
QL		absent	absente	fehlend	ausente	RM UI-3 (D), RM UI-34 (D)	1
		present	présente	vorhanden	presente	Forum (D), Masai (D)	9

Proposed wording

51. (+)	VS/ VG	Resistance to Halo Blight (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)	Résistance à la graisse à halo (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)	Resistenz gegen Fettflecken-krankheit (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)	Resistencia a la grasa (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)		
		Race 6	Pathotype 6	Pathotyp 6	Patotipo 6		
QL		absent	absente	fehlend	ausente	Michelet (D)	1
		present	présente	vorhanden	presente	Masai (D), Vaillant (D)	9

Proposed new characteristic (after Characteristic 50)

new char. (*) (+)	VS/ VG	Resistance to Bean Common Mosaic Necrosis Virus (BCMNV)	Résistance au virus de la mosaïque nécrotique commune du Haricot (BCMNV)	Resistenz gegen Gewöhnliches nekrotisches Bohnenmosaikvirus (BCMNV)	Resistencia al virus del mosaico necrotico común de la judía (BCMNV)	
QL		absent	absente	fehlend	ausente	Dufrix, Flandria 1
		present with necrosis	présente avec nécroses	vorhanden mit Nekrose	presente con necrosis	Booster, Odessa 2
		present without symptoms	présente sans symptômes	vorhanden ohne Symptome	presente sin síntomas	Bizet 3

[End of Annex and of document]