

## Technical Working Party for Vegetables

TWV/59/6

Fifty-Ninth Session  
Virtual meeting, May 5 to 8, 2025

Original: English  
Date: March 31, 2025

## PARTIAL REVISION OF THE TEST GUIDELINES FOR LETTUCE

Document prepared by an expert from France

Disclaimer: this document does not represent UPOV policies or guidance

- The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for lettuce (document TG/13/11 Rev. 3).
- The Technical Working Party for Vegetables (TWV), at its fifty-eighth session<sup>1</sup>, agreed that the Test Guidelines for lettuce (*Lactuca sativa* L.) be partially revised (see document TWV/58/11 "Report", Annex II).
- The following changes are proposed:
  - Addition of new characteristics "Resistance to *Bremia lactucae* (BI) - Isolates BI: 38EU, BI: 39EU, BI: 40EU" after "Resistance to *Bremia lactucae* (BI) - Isolate BI: 36EU"
  - Revision of explanation "Resistance to *Bremia lactucae* (BI), several isolates"
- The proposed changes are presented below in highlight and underline (insertion) and ~~striethrough~~ (deletion).

Proposed addition of new characteristics "Resistance to *Bremia lactucae* (BI) - Isolates BI: 38EU, BI: 39EU, BI: 40EU" after "Resistance to *Bremia lactucae* (BI) - Isolate BI: 36EU"

QL	VG	(+)				
Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 38EU						
	absent				Design, Kibrille	1
	present				Bartoli	9
QL	VG	(+)				
Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 39EU						
	absent				Bartoli, Dandie, RYZ2164	1
	present				Design, Kibrille	9
QL	VG	(+)				
Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 40EU						
	absent				Bartoli, RYZ2164	1
	present				Kibrille	9

<sup>1</sup> held via electronic means, from April 22 to 25, 2024.

Proposed revision of explanation “Resistance to *Bremia lactucae* (Bl), several isolates”

1.	Pathogen	<i>Bremia lactucae</i>
2.	Quarantine status	no
3.	Host species	lettuce - <i>Lactuca sativa</i> L.
4.	Source of inoculum	GEVES <sup>2</sup> (FR) or Naktuinbouw <sup>3</sup> (NL)
5.	Isolate	Bl: 29-31EU, 33EU, 35EU, 36EU, 38-40EU
6.	Establishment isolate identity	test on differentials (see table below)

(...)

For reference: The International Bremia Evaluation Board (IBEB) produces regular updates of the host differential reaction table. The most recent table is available through ISF at <http://www.worldseed.org/our-work/plant-health/other-initiatives/ibeb/>. Pictures for the observation scale are also provided.

Isolates	Differentials	Green Towers	Dandle	R4T57D	UC Dm14	NunDm15	CGDm16	Colorado	FrRsal-1	Argelès	RYZ 2164	RYZ910457	Bedford	Balesta	Bartoli	Design	Kibrille	Fenston	Bataille	RYZ20007
Bl: 29EU		+	-	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-
Bl: 30EU		+	-	+	+	+	-	+	-	+	+	-	-	-	-	+	-	-	-	-
Bl: 31EU		+	+	+	+	-	-	+	-	-	+	+	-	-	-	+	-	-	-	-
Bl: 32EU		+	+	+	-	+	+	-	-	-	-	-	-	-	-	-	+	-	-	-
Bl: 33EU		+	-	+	+	+	+	+	+	+	+	-	-	-	-	+	+	-	-	-
Bl: 34EU		+	-	+	+	-	+	+	+	+	+	+	-	-	+	(-)	-	-	-	-
Bl: 35EU		+	-	+	+	+	+	+	+	+	+	+	-	-	-	+	+	-	-	-
Bl: 36EU		+	+	+	+	-	+	+	+	+	+	+	-	-	+	-	-	-	-	-
Bl: 38EU		+	-	+	+	+	-	+	+	+	+	+	-	-	-	+	+	-	-	+
Bl: 39EU		+	+	+	+	-	+	+	+	+	+	+	-	-	+	-	-	-	-	+
Bl: 40EU		+	-	+	+	+	+	+	+	+	+	+	+	-	+	(-)	-	-	-	-

Legend: (+) indicates slightly reduced sporulation, (-) indicates no sporulation with necrosis or very weak sporulation, as defined in the harmonized scale given in Fig. 1. on <https://worldseed.org/our-work/disease-resistance/other-initiatives/ibeb/>

[End of document]

<sup>2</sup> matref@geves.fr

<sup>3</sup> resistentie@naktuinbouw.nl