



International Union for the Protection of New Varieties of Plants

Technical Working Party for Vegetables

Fifty-Ninth Session Virtual meeting, May 5 to 8, 2025 TWV/59/10

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REVISION OF THE DISEASE RESISTANCE CHARACTERISTICS IN THE EU

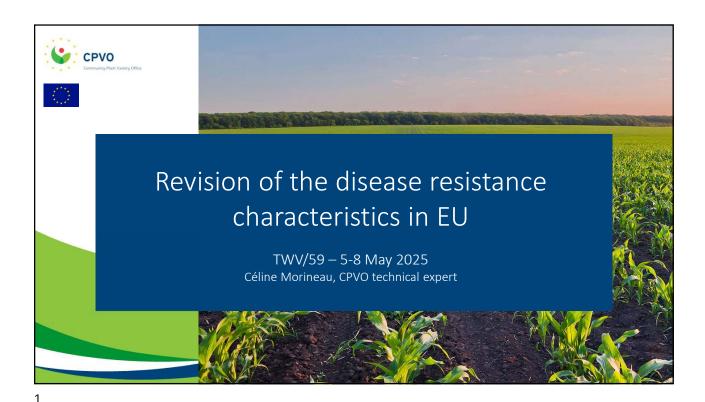
Document prepared by an expert from the European Union

Disclaimer: this document does not represent UPOV policies or guidance

The annex to this document contains a copy of a presentation "Revision of the disease resistance characteristics in the EU", to be made by an expert from the European Union, at the fifty-ninth session of the TWV.

[Annex follows]

ANNEX



Today's situation

There are numerous revisions concerning disease resistance characteristics.

Most of these proposed revisions come from the EU, often led by experts from EU member states.

Objectives at UPOV

To reduce the time spent on discussions among UPOV members during the TWV.

To present more advanced proposals for revising disease resistance characteristics in the vegetable guidelines at the TWV

Objectives in EU

To carry out revisions first at the EU level by defining characteristics (e.g., scale, example varieties) and preparing resistance test protocols before submitting proposals to UPOV TWV.

CPVO, together with EU-EOs and breeders' representatives, will establish a work programme on possible disease resistance characteristics to be discussed throughout the year and define Working groups for that purpose

To regularly report on the outcome of the EU discussion to UPOV TWV

Annual Reporting to UPOV TWV

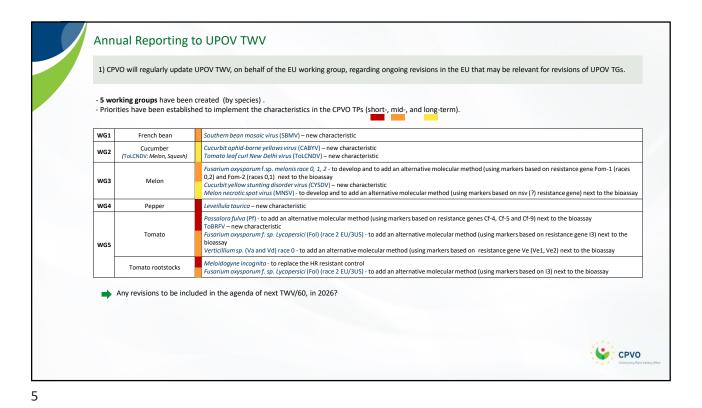
- 1) CPVO will regularly update UPOV TWV, on behalf of the EU working group, regarding ongoing revisions in the EU that may be relevant for revisions of UPOV TGs.
- 2) UPOV members will be invited to join the working groups to share their experiences and contribute to the revisions, should they manifest their interest to join the discussion on a disease resistance characteristic for a particular species or for a particular disease resistance characteristic.
- 3) UPOV members will be consulted on issues of general interest related to disease resistance, as raised by the EU working group.

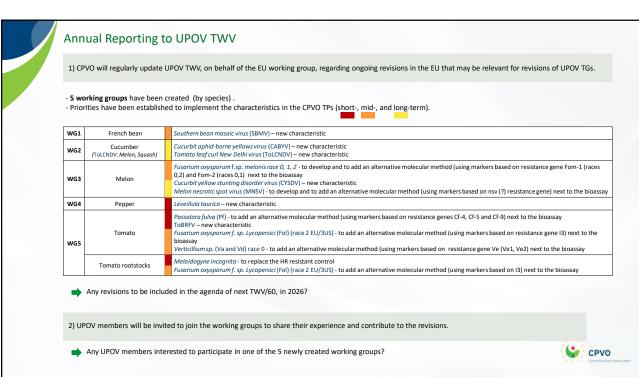


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Disease resistances in the CPVO Technical protocols and UPOV technical guidelines:

Species Name	common name	reference CPVO TP/ UPOV TG (adoption date)	Nb diseases / Nb char. in the CPVO TP in red: disease or associated isolates/races/ not in UPOV TG (yet)
Lactuca sativa L.	lettuce	TP-013/6-Rev.5 (03.01.2025) TG/13/11 Rev. 3 (09.08.2024)	4 diseases/ 13 char. <u>Bremia (Bl: 36-38-39-40EU)</u> , LMV, Nr, Fol (race 4)
Solanum lycopersicum L.	tomato	TP/044/5 (April 2025) TG/44/12 (09.08.2024)	16 diseases / 25 char. Mi, Va and Vd, Fol, For, Pf, ToMV, Pi, Pl, Ss, Pst, Rs, TYLCV, TSWV, Lt, Pn, ToTv
Pisum sativum L.	pea	TP/007/2 Rev.3-Corr. (06.03.2020) TG/7/10 Rev. 3 (25.10.2022)	3 diseases / 3 char. Fop, Ep, Ap
Phaseolus vulgaris L.	french bean	TP/012/4 (27.02.2013) TG/12/9 Rev. 2 (25.03.2015)	4 diseases / 5 char. CI, BCMNV, Halo Blight, Common Blight (Xap)
Brassica oleracea L. var. capitata L.	savoy, red and white cabbage	TP/048/3 Rev.3 (11.04.2024) TG/48/7 Rev. 2 (24.10.2023)	1 diseases / 1 char. Foc
Spinacia oleracea L.	spinach	TP/055/5-Rev.5 (April 2025) TG/55/7 Rev.8 (09.08.2024)	2 diseases / 20 char. Pe (race 20), CMV
Cucumis sativus L.	cucumber, gherkin	TP/061/2 Rev.3 (03.01.2025) TG/61/7 Rev. 3 (24.10.2023)	9 diseases / 9 char. Ccu, CMV, Px, Pcu, Cca, CVVV, ZYMV, CYSDV, Cucumber green mottle mosaic virus (CGMMV)
Valerianella locusta L.	cornsalad	TP-075/2-Rev (29.02.2024) TG/75/7 Rev. (24.10.2023)	1 diseases / 2 char. downy mildew (Peronaspora valerianella)
Capsicum annuum L.	Pepper	TP/076/3 (April 2025) TG/76/9 (09.08.2024)	8 diseases / 13 char. TMV, PMMoV, PVY, Pc, CMV, TSWV, X spp, Mi
Cucumis melo L.	melon	TP/104/2-Rev.3 (April 2025) TG/104/5 Rev. 3 (09.08.2024)	8 diseases / 16 char. Fom, Px, Gc, Ag, ZYMV, PRSV, MNSV, CMV
Citrullus lanatus (Thunb.) Matsum et. Nakai	watermelon	TP/142/2 Rev.3 (29.02.2024) TG/142/5 Rev. 2 (24.10.2023)	2 diseases / 4 char. Fon, Co
Solanum lycopersicum L. x Solanum habrochaites S. Knapp & D. M. Spooner	tomato rootstocks	TP-294/1-Rev. 6 (29.02.2024) TG/294/1 Rev.5 (24.10.2023)	11 diseases / 20 char. Mi, Va and Vd, Fol, Forl, Pf, ToMV, Pl, Ss, TYLCV, TSWV, On
Cucurbita pepo L.	Squash	TP/119/1 Rev. (April 2025) TG/119/4 Rev. (09.08.2024)	2 diseases / 2 char. ZYMV, WMV





Annual Reporting to UPOV TWV

3) UPOV members will be consulted on issues of general interest related to disease resistance, as raised by the EU working group.

The EU working group would like to address the following question to the TWV/59:

Three situations should be considered:

- Characteristics that will be included in the CPVO TP and later in the UPOV TG
- Characteristics that will be included in the CPVO TP but <u>not</u> in the UPOV TG.
- Characteristics that will be used only as additional characteristic and neither included in the CPVO TP nor the UPOV TG.

(-> UPOV Office is informed of the use of an add. char., with information available on the CPVO and UPOV website)

→ How will UPOV members consider resistance characteristics that are not included in the UPOV TGs, would they be ready to take over such reports and use them as a basis for national decisions?



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[End of Annex and of document]