



TWV/41/12

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

**TECHNICAL WORKING PARTY FOR VEGETABLES**

**Forty-First Session**  
**Nairobi, June 11 to 15, 2007**

**SUBGROUP COMMENTS ON DRAFT TEST GUIDELINES FOR MAIZE AND PEA**

*Document prepared by the Office of the Union*

1. At the fortieth session of the Technical Working Party for Vegetables (TWV) and the thirty-sixth session of the Technical Working Party for Agricultural Crops (TWA), it was agreed that it would be useful to hold a joint meeting of the relevant subgroups of the TWA and the TWV to discuss the draft Test Guidelines for Maize and for Pea. It was suggested that the TWA session in 2007 might be the most appropriate occasion for those meetings (see document TWV/40/11 Report, paragraph 70).
2. In accordance with that proposal, joint subgroup meetings on the draft Test Guidelines for Maize and for Pea, attended by experts of the TWA and of the TWV, took place on Wednesday, May 30, 2007, during the thirty-sixth session of the TWA, held in Budapest, from May 28 to June 1, 2007.
3. This document presents the comments made by the joint subgroup meetings on the draft Test Guidelines for Maize and for Pea.

*Maize (Revision) (document TG/2/7(proj.2))*

4. The subgroup discussed document TG/2/7(proj.2), presented by Mr. Joël Guiard (France), and agreed the following:

Cover page	to add Spanish common name “Maíz”
3.5	to delete “VS” from both paragraphs and to indicate that observations should be made on 20 plants for hybrids and on 40 plants for cross-pollinated varieties
6.5	explanation for “(S)” to read “Segregation in certain varieties”
Table of Chars.	it was agreed that the necessary editorial corrections would be made by the Office
Example varieties	availability of inbred lines to be checked. The subgroup also agreed that it would be appropriate to have a general discussion regarding the inclusion of example varieties in Test Guidelines in conjunction with the revision of document TGP/7/1 “Development of Test Guidelines”
General	order of characteristics to be reviewed after all changes
New (i) (after 5)	to add “Leaf blade: undulation of margin”, with the states: absent or very weak (1); moderate (2); strong (3), subject to example varieties being provided by Mexico. To be indicated as QN; VG, 51-59, with a (+) and photographs to be provided as an explanation.
New (ii) (after 5)	to consider adding “Leaf: wrinkling of leaf”, subject to more information being provide, particularly concerning the consistency of expression
New (iii) (after 5)	to reinstate Char. 5 of TG/2/6 + Corr. “Stem: degree of zig-zag”. To be indicated as QN, VG, 65-69.
Char. 6	to delete indication of growth stage
Char. 7	to be indicated as 65-69
Char. 9	to delete indication of growth stage
Char. 12	to be indicated as MS/VG
Char. 13	(+) to be added: “(50% of plants)” to be deleted and provided as the explanation. To delete indication of growth stage
Char. 16	note (b) to be reinstated and to be indicated as 69-73
Char. 17	(+) to be added: “(in middle of plant)” to be deleted and provided as the explanation. To be indicated as 71-75.
Chars. 19, 20, 21	to be indicated as 71-75
Char. 22	to consider whether to replace with separate characteristics for inbred lines and for hybrids and open-pollinated varieties (Chars. 22.1 and 22.2 of document TG/2/6 + Corr.). To be indicated as 75-85.
Char. 23	to be indicated as MG, 75-85
Char. 24	to be indicated as 75-85, note (a) and to delete “(leaf of upper ear on the widest part)”

Char. 24(a)	to be deleted
Char. 24(b)	to be deleted
BR proposal	“Ear: covering of ear by straw” not to be added
Chars. 26-29	growth stages 92-93
Chars. 26-28, 31-33	growth stage for sweetcorn varieties to be clarified
Char. 28	to be indicated as QN
Char. 28(a)	to be deleted
Char. 30	(+) to be added with explanation. Interested experts to provide Leading Expert with information on other non sweetcorn types for which the characteristic may be appropriate
Char. 34	new explanation to be provided by Germany
Char. 35	(+) to be added with explanation / illustration
Chars. 37, 38	to be indicated as PQ, 92-93
New (iv) (after 39)	to consider adding “Ear: Disposition of rows of grain (in the principal ear)”
Ad. 5	to add “recurved” for state 9
Ad. 7 (first)	to correct to “Ad. 6” and to read “On main branch with anthers visible on middle third of main axis on 50% of plants”
Ad. 9	to read “The observation should be made in the middle third of the main branch on fresh anthers”
Annex	New proposal to be developed concerning electrophoresis for hybrids. All interested experts invited to contribute proposals.

*Pea (Revision)(document TG/7/10(proj.4))*

5. The subgroup discussed document TG/7/10(proj.4), presented by Mr. Niall Green (United Kingdom), and agreed the following:

Alternative names	Botanical names to read " <i>Pisum sativum</i> L., <i>Pisum arvense</i> L." and English common names to read "Pea, Field Pea"
3.5	to read "Unless otherwise indicated, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observations made on all plants in the test."
5.3	to add Char. 4 and to delete Char. 18
Table of Chars.	all example varieties shown in highlighting to be replaced
Char. 2	to be deleted
Char. 4	to be indicated as 240-250. Example varieties "Lord Chancellor, Minor" to be deleted and "Xantos" added.
Char. 5	to read "Stem: number of nodes up to and including first fertile node"
Chars. 6, 7	to be moved after Char. 1
Char. 10	to be retained unchanged
Char. 12	to be indicated as 200-240, MS/VG
Char. 13	to read "Leaflet: size"
Char. 16	to read "Leaflet: position of broadest part", with the states: at middle to slightly towards base (1); moderately towards base (2); strongly towards base (3) and example varieties to be re-allocated accordingly. (+) to be added with illustration.
Char. 18	to be deleted
Chars. 19, 20	to add (*)
Char. 21	to delete "(surface area)"
Char. 24	to read "Stipule: length of lobe below axil" and to be indicated as MS/VG
Char. 25	to read "Stipule: flecking" and to be indicated as 200-240
Char. 26	to read "Stipule: maximum density of flecking" and to be indicated as 200-240
Char. 29	to be indicated as MG
Char. 30	TWV to check whether to revert to the 7 states included in document TG/7/9, Char. 37. To be indicated as QN and (+) to be added with explanation. Example varieties "Arnesa, Calibra, Survivor" to be added for state "four or more".
Char. 34	state 1 "strongly raised" to be retained
Char. 39	to delete "of"
Char. 40	to be indicated as 218-245 and to move before Char. 38
Char. 41	to add note (b) and (+) to be added with explanation that "the characteristic is

	calculated on the basis of averages across plants”
Char. 51	(+) to be added
Char. 56	(+) to be added with an explanation that the characteristic concerns the number of ovules and not the number of seeds
Char. 57	(+) to be added
Char. 58	to have the states: ellipsoid (1); cylindrical (2); rhomboid (3); irregular (4) and illustrations to be amended and simplified
Char. 60	to read “Varieties with cylindrical shaped seeds and simple starch grains only: Seed: wrinkling of cotyledon”
Char. 63	to be indicated as PQ
Chars. 69 to 75	to use only example varieties in Table of Characteristics
Chars. 72 to 75	to delete if no isolate being maintained and not used for distinctness by any member of the Union: Netherlands to inform Leading Expert whether maintenance in Netherlands.
Ad. 34	state 3 to read “moderately raised”

6. The subgroup did not have sufficient time to consider Chapters 8 to 10. The subgroup agreed that the Test Guidelines were not at a stage for submission to the Technical Committee for adoption. In order to seek to ensure that the Test Guidelines were finalized by the TWA and TWV in 2008, it was agreed that the Office should prepare a new draft on the basis of the comments made by the TWA and TWV at their sessions in 2007, with all missing information to be provided to the Office by the Leading Expert by the end of August 2007. The Office would circulate that new draft to the interested experts of the TWA and TWV by the end of September 2007, with a request for comments by the end of November 2007. At their sessions in 2008, the TWA and TWV would not be invited to consider a new draft of the Test Guidelines, but would be invited to consider a document containing proposals to address the comments raised by the interested experts. That document would be provided to the Office by the Leading Expert at least 8 weeks before the earlier of the TWA and TWV sessions.

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