



**TWO/40/9**

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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
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**TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS  
AND FOREST TREES**

**Fortieth Session**  
**Kunming, China, July 2 to 6, 2007**

COMMENTS MADE BY THE SUBGROUPS OF THE  
TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS AND  
TECHNICAL WORKING PARTY FOR VEGETABLES  
ON DRAFT TEST GUIDELINES

*Document prepared by the Office of the Union*

1. This document presents the comments made by the subgroup meetings at: the Technical Working Party for Agricultural Crops (TWA) at its thirty-sixth session, held in Budapest from May 28 to June 1, 2007, on the draft Test Guidelines for Sweet Potato (document TG/SWEETPOT(proj.2)) and for Tea (document TG/TEA(proj.4)); and at the Technical Working Party for Vegetables (TWV) at its forty-first session, held in Nairobi from June 11 to 15, 2007, on the draft Test Guidelines for Portulaca (document TG/PORTU(proj.2)) and for Sweet Potato (document TG/SWEETPOT(proj.2)).

*Portulaca (document TG/PORTU(proj.1))*

2. The TWV subgroup discussed document TG/PORTU(proj.1), as presented by Mr. Mitsuo Yuasa (Japan), and agreed the following:

Char. 1	to check whether QL
Char. 9	to check whether QL
Char. 12	example variety to be provided for state 2
Char. 17	(+) to be added with an explanation of whether different intensity is counted as a different color and to check if QL
Char. 20	example variety to be provided for state 4
Char. 21	example variety to be provided for state 4
Char. 27	to correct spelling of “emargination” and to delete “very” from state 1
8.1 (a)	to read “Observations which should be made at month after first flowering.”

*Sweet Potato (document TG/SWEETPOT(proj.2))*

3. The TWA and TWV subgroups discussed document TG/SWEETPOT(proj.2) presented by Mr. Keun-Jin Choi (Republic of Korea), and agreed the following:

Cover page	To add common names “Patate douce (F)”; Süßkartoffel (G)” and “Camote(S)”	TWA, TWV
Table of contents	To add “10 TECHNICAL QUESTIONNAIRE”	TWA, TWV
1	To delete “vegetatively propagated” and the TWO to consider the coverage of ornamental varieties.	TWA, TWV
2.2	To delete “2.2 The material is to be supplied in the form of storage roots, of medium size for the variety or in the form of cuttings.”	TWA, TWV
2.3	The amount of plant material should be 50 storage roots or 150 cuttings and further consider the number of cuttings to be submitted in relation to the number of plant to be examined as per section 3.4.1	TWA
2.3	The amount of plant material should be 50 storage roots or <b>75</b> cuttings and further consider the number of cuttings to be submitted in relation to the number of plant to be examined as per section 3.4.1	TWV
3.4.1	To consider the possibility to reduce the number of plants to 50 or 60 plants	TWA
3.4.1	To read: “3.4.1 Each test should be designed to result in a total of at least 50 plants, which should be divided between two or more replicates.”	TWV

3.5	To read: “Unless otherwise indicated, all observations on single plants should be made on 30 plants or parts taken from each of 30 plants.”	TWA, TWV
4.2.2	To have a population standard of 1%, the number of off-types allowed should be 2 and the number of plants be revised as per 3.4.1	TWA
4.2.2	To have a population standard of 1% and a allowed number of off-types is 2 in 50 plants.	TWV
4.3.2	To delete the reference to “seed”	TWA, TWV
Char. 1	To read: “Plant: growth habit” with notes 1-3-5	TWA, TWV
Char. 2	To read: “Stem: length” to add example variety Koganesengan for state (5) and to add explanation	TWA, TWV
Char. 3	To read: “Stem: internode diameter” with states of expression from very small to very large; to add example variety Koganesengan for state (5) and to be moved after characteristic 4	TWA, TWV
Char. 4	To read “Stem: internode length”; state (5) to read “medium” and to add example variety Koganesengan for state (5)	TWA, TWV
Char. 4	KE and leading expert to check the variability of internode length and the need to observe three internodes	TWV
Char. 5	To read “Stem: anthocyanin coloration” and to have note QN	TWA, TWV
Char. 6	To read “Stem: anthocyanin coloration of tip” and to have note QN and to delete the (+)	TWA, TWV
Char. 7	To read “Stem: anthocyanin coloration of node” and to have note QN	TWA
Char. 7	To read “Stem: anthocyanin coloration of node”, to be indicated as QN and to check notes	TWV
Char. 8	To read “Stem: pubescence of tip” and to add example variety Koganesengan for state (5)	TWA, TWV
Char. 8	State “dense” to have note (7)	TWV
NEW Char.	Leaf: lobes; with states “absent (1)”; “present (9)”	TWA, TWV
Char. 9	To read “ <u>Only varieties with leaf lobes absent</u> : Leaf: shape” with states of expression “round (1)”; reniform (2)”; “cordate (3)” and “triangular (4)”; to add example variety Kohkei 14 for state (2) and Koganesengan for state (4)	TWA, TWV
Char. 10	To read “ <u>Only varieties with leaf lobes present</u> : Leaf:: depth of lobbing” to have note QN; states of expression “very shallow (1)” to “very deep (9)” and to Leaf: anthocyanin coloration of upper side	TWA, TWV
Char. 11	To read “ <u>Only varieties with leaf lobes present</u> : Leaf: number of lobes” to check the inclusion of example varieties	TWA

Char. 11	To read: “Leaf: number of lobes“; to be indicated as QL with states “three (1)”; “five (2)”; “seven (3)” and “nine (4)”	TWV
Char. 12	To read “Leaf: anthocyanin coloration of upper side”; to have note QN and to Leaf: anthocyanin coloration of upper side	TWA, TWV
Char. 13	To have note PQ and to check the example varieties	TWA
Char. 13	To have note PQ and KE to provide example variety for state 1	TWV
Char. 14	To read “Leaf: extent of anthocyanin on abaxial veins” with states “very small (1)” to “very large (9)”	TWA, TWV
Char. 15	To be replaced by the following two characteristics: New char.: “Petiole: anthocyanin coloration” with “states absent or very weak (1)”; “weak (3)”; “medium (5)” and “strong (7)” and to have note QN New char.: “Petiole: position of anthocyanin” with states “only close to leaf blade (1)”, “only in a strip (2)” and “all over the petiole (3)” and to have note PQ. ZA will provide example varieties	TWA, TWV
Char. 16	To add example variety Koganesengan for state (5)	TWA, TWV
Char. 17	To read “Storage root: ratio length/width”; to add note MS and to have note QN; to have notes 3-5-7, to add example variety Yulmi for state (7); to check whether there are example varieties for state (3) and ZA to provide illustration, if possible	TWA, TWV
Char. 18	State (1) to read “rounded” and to add more drawings.	TWA, TWV
Char. 19	To read “ <u>Storage roots with lateral outline rounded only</u> : Storage root: position of broadest part”; with states of expression “towards the base (1)”; “in middle (2)” and “towards the top (3)” and to have note QN	TWA, TWV
Char. 20	To add example varieties for states(1) and (9) or to delete these stages	TWA, TWV
Char. 20	To add VG	TWV
Char. 21	To add explanation of main color and (+) and to move to Section 8 the text in brackets; state (2) to read “light beige” to add example variety ; Koganesengan for state (2); to add example varieties for the other states and state “brown (9)” go to the end	TWA
Char. 21	To add explanation of main color and (+) and to move to Section 8 the text in brackets; to add example variety ; Koganesengan for state (2); to add example varieties for the other states and state “brown (9)” go to the end	TWV
Char. 22	JP will check if there is enough information to maintain this characteristic	TWA, TWV
Char. 22	To add VG	TWV
Char. 23	To add explanation of “main color” and (+); to have note PQ; to add (+) and to add example variety Shirosangan for state (1) and Benikomachi for state (2).	TWA, TWV

Char. 24	To read “ <u>Excluding varieties with white storage root main flesh color:</u> Storage root: intensity of main color of flesh”; To add explanation of “main color” and (+); and to provide example varieties	TWA
Char. 24	To read “Storage root: intensity of main color of flesh”; To add explanation of “main color” and (+); and to provide example varieties	TWV
Char. 25	To add explanation of “secondary color” and(+) and to have states of expression “white (1)”; “light beige (2)”; “yellow (3)”; “orange (4); “pink (5)”; “red (6)”; “red-purple (7)” and “purple (8)”,with examples varieties Toka Toka Gold for state (4) and Owairka Red for state (7)	TWA, TWV
NEW Char.	Distribution of secondary color and KE to provide example varieties and explanation	TWV
8.1	To revise the order of the notes in respect to their order in the table of characteristics	TWA, TWV
8.1	To add the following explanation “All characteristics of the stem should be observed on the main stem” and to be referred to in all stem characteristics.	TWA, TWV
8.1	To add explanation of main stem	TWV
8.1	To add the following explanation “Observation on leaves should be made at the middle part of the main stem” to be included in all leaf characteristics	TWA, TWV
8-1 (a)	To read “a) Stem internodes and diameter should be checked with average expression of three internodes located in middle section of stem”	TWA
8-1 (a)	To read “a) Stem internodes and diameter to be observed in an internode located in the middle third of the main stem	TWV
8-1 (c)	To be included from characteristic 17 to 25	TWA, TWV
9	To include: “Zosimo Huaman,2002: Section 1.1 Systematic botany and morphology of the sweet potato plant. Sweetpotato Germplasm Management Training Manual; International Potato Center (CIP) pp 7”	TWA, TWV
10.5	To revise as per changes in the table	TWA, TWV

*Tea* (document TG/TEA(proj.4))

4. The TWA subgroup discussed document TG/TEA(proj.4), presented by Mr. Liang Chen (China), and agreed the following:

Title	to delete “and closely related species in <i>Camellia</i> L. Sect. <i>Thea</i> (L.) Dyer.”
1.	to read “These Test Guidelines apply to all varieties of <i>Camellia sinensis</i> (L.) O. Kuntze. These Test Guidelines may also be relevant for other species in <i>Camellia</i> L. Sect. <i>Thea</i> (L.) Dyer.”
Table of Chars.	to use the existing set of example varieties to provide example varieties for as many states of expression as possible in the Table of Characteristics
Char. 2	to correct example variety for state 3 to “Qianmei 419” (and to correct elsewhere in the document)
Char. 6	to be indicated as MS only and (+) to be added with an explanation of how to determine the timing (e.g. percentage of plants at ‘one and a bud’ stage”
Char. 12	to read “Leaf blade: attitude”
Char. 16	to read “Leaf blade: intensity of green color”, and to delete “green” from all states of expression
Char. 17	to read “Leaf blade: shape in cross section” and to correct spelling of “recurved” in state 3
Char. 22	to read “Leaf blade: shape of base” and state 3 to read “truncate”
Char. 23	to be indicated as MS
Char. 25	to read “Flower: pubescence on outer side of sepal”
Char. 26	to read “Flower: anthocyanin coloration on outer side of sepal”
Char. 29	to read “Flower: pubescence of ovary”
Char. 30	to read “Flower: density of pubescence of ovary”
8.1 (a), (b)	to combine note (a) with note (b)
8.1 (d), (e)	to combine note (d) with note (e)
8.1 (e)	to delete “splitting” from “style splitting”
Ad. 12	to replace the illustrations with the illustrations from TGP/14 Draft 3, Section 2, page 40
Ad. 20	to replace the illustration for state 1 with an illustration of a leaf without serration
Ad. 21	state 5 to read “medium”
TQ 1	to delete section “1.2.1 Other”
TQ 9.3	to be deleted

[End of document]