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| INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS  |
| Geneva |

Technical working party for Agricultural crops

Forty-Second Session
Kyiv, Ukraine, June 17 to 21, 2013

comments by the technical working party for vegetables (twv) on the draft TEST GUIDELINES FOR CASSAVA

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 At its forty-seventh session, held in Nagasaki, Japan, from May 20 to 24, 2013, the Technical Working Party for Vegetables (TWV) considered the draft Test Guidelines for Cassava (*Manihot esculenta* Crantz.) on the basis of document TG/CASSAV(proj.4), as presented by Mr. Ricardo Zanatta (Brazil) and agreed the following (see document TWV/47/34 “Report”, paragraph 70):

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| 4.2.2 | to delete “of clones” |
| 4.3.2 | to read “a new plant stock”  |
| 5.3 | to add characteristics 16 and 27  |
| Table of Chars. | general remark: to have two sets of example varieties (one for Kenya, one for Brazil) |
| Char. 1 | to delete (+) and explanation of color in Ad. 1 |
| Chars. 1, 4, 5, 9, 22 | to check whether to split in two characteristics in order to separate anthocyanin coloration and intensity of green color (see TGs Ginseng, Yam)check example varieties  |
| Char. 2 | to add example variety “IAC 576-70 (BR)” for state 1 and “Taquara Amarela (BR)” for state 9 |
| Char. 3 | to read “Leaf: shape of central lobe” |
| Char. 4 | to delete (+) and Ad. 4 |
| Char. 6 | to provide example varieties until TWA |
| Char. 9 | to delete (+) and Ad. 9 |
| Char. 10 | to delete state 4to add example varieties:state 1: Xingu (BR)state 2: IAC 576-70 (BR)state 3: BGMC 1117 (BR) |
| Char. 11 | to delete (\*)to delete example variety “Karibuni” from state 5 |
| Char. 12 | to add (\*) |
| Char. 13 | to provide example varieties until TWA |
| Char. 14 | to be deleted |
| Char. 15 | to check whether to read “Plant: branching” with states all along the stem (1), upper two thirds (2), upper third (3) |
| Char. 16 | to add (\*)to have “cream” as first stateto add example varieties:state “cream”: BGMC 1426 (BR)state “light green”: EAB 182 (BR)state “dark green”: IAPAR 19 (BR)state “purplish”: Mandioca Batata (BR) |
| Char. 17 | to read “Stem: color of bark”to add (+) and combine with Ad. 16to move “orange” after “brownish yellow” |
| Char. 18 | to read “Stem: color of internal surface of bark”to add (+) and combine with Ad. 16to add example varieties:state 1: IAC 177-66 (BR)state 2: Taquara Amarela (BR)state 3: IAPAR 19 (BR)state 4: EAB 675 (BR)state 5: Mandioca Batata (BR) |
| Char. 20 | to read “Stem: prominence of leaf scars”to add example varietiesstate 3: IAC 105-66 (BR)state 5: IAC 576-70 (BR)state 7: BGMC 117 (BR)to add (+) and combine with Ad. 21 |
| Char. 21 | to be indicated as VG/MSto check whether the leaf scars in line have the same number of leaf scars, otherwise add a new. char. “pattern of leaf scars”to add example varieties:state 3: Taquara Amarela (BR)state 5: IAC 576-70 (BR)state 7: EAB 321 (BR) |
| Char. 22 | to delete (\*)to add (+) and illustration |
| Char. 23 | to check whether to read “peduncle”or “neck”to be indicated as QNto have states absent to short (1), medium (2), long (3) |
| Char. 24 | to read “Root: color of epidermis”to add (+) and combined illustration for characteristics 24, 26 and 27to check whether to add (\*)to add example varieties:state 2: Taquara Amarela (BR)state 3: Mandioca Batata (BR) |
| Char. 25 | to add (\*)to add example variety “Mantiqueira (BR)” for state 2 |
| Char. 26 | to add (\*)to add (+) and combined illustration for characteristics 24, 26 and 27to ad example varieties:state 1: Branca de Santa Catarina (BR)state 2: IAC 576-70 (BR)state 3: Xingu (BR)state 4: EAB 182 (BR)state 5: Mandioca Batata (BR) |
| Char. 27 | to add (\*)to provide example varieties until TWAto add (+) and combined illustration for characteristics 24, 26 and 27 |
| Char. 28 | to delete state 4 |
| Char. 29 | to add example varietiesto provide data over years |
| Char. 30 | to check whether to be deleted or to check number of notes |
| new. char. | to check whether to add new char. “Root: content of starch in flesh”, if data over years can be provided, also provide methodology |
| Ad. 1 | to be deleted |
| Ad. 2 | to be improved |
| Ad. 3 | to rotate photos by 90%to check states and photos of states 2 and 3 |
| Ad. 4 | to be deleted |
| Ad. 9 | to be deleted |
| Ad. 11 | to add indication/arrows where to be observed |
| Ad. 12 | to replace photos by drawings or add arrows |
| Ad. 21 | to be checked, see comment on char. 21 |
| Ad. 23 | to invert photos |
| Ad. 29 | to move literature to Chapter 9 |
| 9. | to specify the last two referencesto check and add literature of Ad. 29 |
| TQ 5 | to be updated according to Chapter 5.3 |

 The TWV agreed to rediscuss the draft Test Guidelines for Cassava at its forty-eighth session, to be held in Paestum, Italy, from June 23 to 27, 2014 (see document TWV/47/34 “Report”, paragraph 93).

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