



TWA/40/22

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

**TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS**

**Fortieth Session**  
**Brasilia, May 16 to 20, 2011**

MATTERS TO BE RESOLVED CONCERNING TEST GUIDELINES  
ADOPTED BY THE TECHNICAL COMMITTEE

*Document prepared by the Office of the Union*

1. At its forty-seventh session held in Geneva from April 4 to 6, 2011, the Technical Committee (TC) agreed the adoption of the Test Guidelines for Foxtail Millet on the basis of document TG/SETARIA(proj.5), subject to the following amendments (see document TC/47/26 “Report on the Conclusions”, paragraphs 99 to 101 and Annex II):

Foxtail Millet ( <i>Setaria italica</i> L.)	TG/SETARIA(proj.5)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC

2.3	to delete “and 50 panicles (if required by the authorities)”
4.2.2	to read “For the assessment of uniformity a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 1,000 plants 15 off-types are allowed.”
4.2.3	to delete the first sentence
4.2.4	to be deleted

Char. 2	to read: “Plant: anthocyanin coloration of basal leaf sheath” and to check with the Leading Expert whether the time of assessment is 5 or 7 leaves unfolded and to have consistency with Ad. 2
Char. 3	to read “Plant: intensity of green color
Char. 5	to read “Plant: anthocyanin coloration of base of leaf blade”
Char. 12, 13	to check with Leading Expert whether to be indicates as VG/MS
Char. 15	to check method of observation with Leading Expert
Char. 16, 18, 20, 22, 23 and 24	to check with Leading Expert whether to be indicated as VG/MS
Char. 18 to 21	to check whether it should be observed at stage 92 instead of 91 (as Char. 22 to 26).
Ad. 2	to indicate correct stage of development in char. 2
Ad. 9	to read: “Bristles originate from the sterile spikelets.”
Ad. 15	to delete the text to improve drawing with dotted lines to incorporate titles of Ads. 18, 20, 22 without text.
Ad. 23	to read: “The density of the panicle is the number of rachis per centimetre in the middle third of the panicle.”
Ad. 24	to read: “The number of grains should be counted on a secondary branch taken from the middle third of the panicle.” and to ask Leading expert to provide an explanation on secondary brand
Ad. 29	to add concentration of Potassium Iodide solution
8.3	to check with Leading Expert that the literature for the growth stages should be clearly indicated. It seems to be the BBCH scale for cereals which was adapted to foxtail millet in stage 4 and 5. If the BBCH scale is used, the text should be in line with the publication

2. The Annex to this document provides the information submitted by the Leading Expert. The Leading Expert was requested to provide the information highlighted in yellow.

[Annex follows]

## ANNEX

Foxtail Millet ( <i>Setaria italica</i> L.)	TG/SETARIA(proj.5)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC

		Response and action
2.3	to delete “and 50 panicles (if required by the authorities)”	Denied : uniformity test needs this
4.2.2	to read “For the assessment of uniformity a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 1,000 plants 15 off-types are allowed.”	Accepted and modified
4.2.3	to delete the first sentence	Denied : uniformity test needs this
4.2.4	to be deleted	Accepted and modified
Char. 2	to read: “Plant: anthocyanin coloration of basal leaf sheath” and to check with the Leading Expert whether the time of assessment is 5 or 7 leaves unfolded and to have consistency with Ad. 2	Accepted and modified
Char. 3	to read “Plant: intensity of green color	Accepted and modified
Char. 5	to read “Plant: anthocyanin coloration of base of leaf blade”	Accepted and modified
Char. 12, 13	to check with Leading Expert whether to be indicates as VG/MS	Accepted and modified
Char. 15	to check method of observation with Leading Expert	I think the method is right.
Char. 16, 18, 20, 22, 23 and 24	to check with Leading Expert whether to be indicated as VG/MS	Modified *Char. 18 and 23 VG only
Char. 18 to 21	to check whether it should be observed at stage 92 instead of 91 (as Char. 22 to 26).	Accepted and modified
Ad. 2	to indicate correct stage of development in char. 2	Modified *6 <sup>th</sup> leaf fully developed
Ad. 9	to read: “Bristles originate from the sterile spikelets.”	Accepted and modified

\* Information provided by the Leading Expert in a revised version of document TG/SETARIA(proj.5).

Ad. 15	to delete the text to improve drawing with dotted lines to incorporate titles of Ads. 18, 20, 22 without text.	Accepted and modified
Ad. 23	to read: “The density of the panicle is the number of rachis per centimetre in the middle third of the panicle.”	Accepted and modified
Ad. 24	to read: “The number of grains should be counted on a secondary branch taken from the middle third of the panicle.” and to ask Leading expert to provide an explanation on secondary brand	Modified *Replaced “secondary” by “primary”
Ad. 29	to add concentration of Potassium Iodide solution	Modified *To add “The concentrations of KI and I in the solution are 3% and 1% respectively.”
8.3	to check with Leading Expert that the literature for the growth stages should be clearly indicated. It seems to be the BBCH scale for cereals which was adapted to foxtail millet in stage 4 and 5. If the BBCH scale is used, the text should be in line with the publication	Checked and modified *Reference added in Chapter 9.

[End of Annex and of document]