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| International Union for the Protection of New Varieties of Plants |  |

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| Technical Committee  Fifty-Eighth Session Geneva, October 24 and 25, 2022 | TC/58/29.  Original: English  Date: October 5, 2022 |

Partial Revision of the Test Guidelines for Wheat

Document prepared by an expert from the United Kingdom

Disclaimer: this document does not represent UPOV policies or guidance

The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for Wheat (document TG/3/12).

The background to the proposed partial revision of the Test Guidelines for Wheat is presented in document TC/58/2 “Test Guidelines”.

The Technical Working Party for Agricultural Crops (TWA), at its fifty-first session[[1]](#footnote-2), considered a proposal for a partial revision of the Technical Questionnaire (TQ) of the Test Guidelines for Wheat (*Triticum aestivum* L. emend. Fiori et Paol.) on the basis of document TWP/6/10 “Revision of Test Guidelines”, paragraph 25 and Annex X. The TWA agreed to propose the inclusion of the following characteristics in the TQ (characteristics for inclusion indicated in highlight and underline) (see document TWA/51/11 “Report”, paragraph 91):

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 |  | Seed: color |
| 7 | (\*) | Time of ear emergence |
| 10 | (\*) | Ear: glaucosity |
| 12 | (\*) | Lower glume: hairiness on external surface |
| 13 | (\*) | Plant: length |
| 14 | (\*) | Straw: pith in cross section |
| 17 | (\*) | Ear: scurs or awns |
| 19 | (\*) | Ear: color |
| 20 |  | Ear: shape in profile |
| 27 | (\*) | Seasonal type |

The proposed additions to TQ 5 are presented in highlight and underline.

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| |  |  |  |  | | --- | --- | --- | --- | | 5. | Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). | | | |  |  |  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Characteristics | Example Varieties | Note |
| **5.1 (1)** | |  | | --- | | **Seed: color** | |  |  |
|  | white | (w) SY Ideo, (s) Blini | |  | | --- | | 1 [   ] | |
|  | reddish | (w) Solehio, (s) Granary | |  | | --- | | 2 [   ] | |
|  | purple | (w) Indigo | |  | | --- | | 3 [   ] | |
|  | bluish | (w) Skorpion | |  | | --- | | 4 [   ] | |
|  |  |  |  |
| |  | | --- | | **5.~~1~~ 2** |  |  | | --- | | **(7)** | | |  | | --- | | **Time of ear emergence** | |  |  |
|  | |  | | --- | | very early | | |  | | --- | | (w) Accor, (s) Badiel | | |  | | --- | | 1 [   ] | |
|  | |  | | --- | | very early to early | | |  | | --- | |  | | |  | | --- | | 2 [   ] | |
|  | |  | | --- | | early | | |  | | --- | | (w) Solehio, (s) Sensas | | |  | | --- | | 3 [   ] | |
|  | |  | | --- | | early to medium | | |  | | --- | |  | | |  | | --- | | 4 [   ] | |
|  | |  | | --- | | medium | | |  | | --- | | (w) Sotchy CS, (s) Granary | | |  | | --- | | 5 [   ] | |
|  | |  | | --- | | medium to late | | |  | | --- | |  | | |  | | --- | | 6 [   ] | |
|  | |  | | --- | | late | | |  | | --- | | (w) Rosario, (s) Triso | | |  | | --- | | 7 [   ] | |
|  | |  | | --- | | late to very late | | |  | | --- | |  | | |  | | --- | | 8 [   ] | |
|  | |  | | --- | | very late | | |  | | --- | | (w) Adequat | | |  | | --- | | 9 [   ] | |
|  |  |  |  |
| **5.3 (10)** | |  | | --- | | **Ear: glaucosity** | |  |  |
|  | absent or very weak | (w) Soissons | |  | | --- | | 1 [   ] | |
|  | very weak to weak |  | |  | | --- | | 2 [   ] | |
|  | weak | (w) Callobre, (s) Panifor | |  | | --- | | 3 [   ] | |
|  | weak to medium |  | |  | | --- | | 4 [   ] | |
|  | medium | (w) Solehio, (s) Granary | |  | | --- | | 5 [   ] | |
|  | medium to strong |  | |  | | --- | | 6 [   ] | |
|  | strong | (w) Edgar, (s) Specifik | |  | | --- | | 7 [   ] | |
|  | strong to very strong |  | |  | | --- | | 8 [   ] | |
|  | very strong | (w) Waximum | |  | | --- | | 9 [   ] | |
| |  | | --- | | **5.~~2~~ 4** |  |  | | --- | | **(12)** | | |  | | --- | | **Lower glume: hairiness on external surface** | |  |  |
|  | |  | | --- | | absent | | |  | | --- | | (w) Soissons, (s) Triso | | |  | | --- | | 1 [   ] | |
|  | |  | | --- | | present | | |  | | --- | | (w) Franz, (s) Galera | | |  | | --- | | 9 [   ] | |

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| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
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|  | | Characteristics | | Example Varieties | | Note | |
| |  | | --- | | **5.~~3~~ 5** |  |  | | --- | | **(13)** | | | |  | | --- | | **Plant: length** | | |  | |  | |
|  | | |  | | --- | | very short | | | |  | | --- | | (w) Fronton | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | very short to short | | | |  | | --- | |  | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | short | | | |  | | --- | | (w) Apache, (s) Lennox | | | |  | | --- | | 3 [   ] | | |
|  | | |  | | --- | | short to medium | | | |  | | --- | |  | | | |  | | --- | | 4 [   ] | | |
|  | | |  | | --- | | medium | | | |  | | --- | | (w) Solehio, (s) FD 1 24 | | | |  | | --- | | 5 [   ] | | |
|  | | |  | | --- | | medium to long | | | |  | | --- | |  | | | |  | | --- | | 6 [   ] | | |
|  | | |  | | --- | | long | | | |  | | --- | | (w) Antonius | | | |  | | --- | | 7 [   ] | | |
|  | | |  | | --- | | long to very long | | | |  | | --- | |  | | | |  | | --- | | 8 [   ] | | |
|  | | |  | | --- | | very long | | | |  | | --- | | (w) Capo | | | |  | | --- | | 9 [   ] | | |
| |  | | --- | | **5.~~4~~ 6** |  |  | | --- | | **(14)** | | | |  | | --- | | **Straw: pith in cross section** | | |  | |  | |
|  | | |  | | --- | | thin | | | |  | | --- | | (w) SY Moisson, (s) FD 1 24 | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | medium | | | |  | | --- | | (w) Apache, (s) Granary | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | thick or filled | | | |  | | --- | | (w) Synchro, (s) Olivart | | | |  | | --- | | 3 [   ] | | |
| |  | | --- | | **5.~~5~~ 7** |  |  | | --- | | **(17)** | | | |  | | --- | | **Ear: scurs or awns** | | |  | |  | |
|  | | |  | | --- | | both absent | | | |  | | --- | | (s) Gorda | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | scurs present | | | (w) Apache, (s) Granary | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | awns present | | | (w) Solehio, (s) Sensas | | |  | | --- | | 3 [   ] | | |
| |  | | --- | | **5.~~6~~ 8** |  |  | | --- | | **(19)** | | | |  | | --- | | **Ear: color** | | |  | |  | |
|  | | |  | | --- | | white | | | (w) Solehio, (s) Granary | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | colored | | | (w) Sertori, (s) Bastian | | |  | | --- | | 2 [   ] | | |
| **5.9 (20)** | | |  | | --- | | **Ear: shape in profile** | | |  | |  | |
|  | | tapering | | (w) Solveig, (s) Tybalt | | |  | | --- | | 1 [   ] | | |
|  | | parallel sided | | (w) Solehio, (s) Granary | | |  | | --- | | 2 [   ] | | |
|  | | slightly clavate | | (w) Homeros | | |  | | --- | | 3 [   ] | | |
|  | | strongly clavate | | (w) Vulcanus | | |  | | --- | | 4 [   ] | | |
|  | | fusiform | | (w) Apache, (s) FD 1 24 | | |  | | --- | | 5 [   ] | | |
| |  | | --- | | **5.~~7~~ 10** |  |  | | --- | | **(27)** | | | |  | | --- | | **Seasonal type** | | |  | |  | |
|  | | |  | | --- | | winter type | | | |  | | --- | | (w) Solehio | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | alternative type | | | |  | | --- | | (w) SY Moisson | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | spring type | | | |  | | --- | | (s) Lennox | | | |  | | --- | | 3 [   ] | | |

[End of document]

1. held in Cambridge, United Kingdom, from May 23 to 27, 2022 [↑](#footnote-ref-2)