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UPOV

TC/XXI/6

ORIGINAL: English

DATE: September 25, 1985

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

TECHNICAL COMMITTEE

Twenty-First Session
Geneva, November 12 and 13, 1985

REVISION OF THE UPOV MODEL FOR A REPORT ON TECHNICAL EXAMINATION

Document prepared by the Office of the Union

1. During its twentieth session, the Technical Committee agreed to the following:

"(i) the UPOV Test Model for a Report on Technical Examination (ST/IX/4, Annex VII) should be revised so as to enable its use not only at the international level but also at the national level;

"(ii) the numbering of the characteristics in the Test Report should be the same as in the UPOV Test Guidelines;

"(iii) the Test Report should contain the wording and the Note of the state of expression;

"(iv) the filling in of the UPOV Model for a Report on Technical Examination should not create an additional workload;

"(v) the experts from the Federal Republic of Germany would prepare a draft for the revision of the UPOV Model for a Report on Technical Examination" (see document TC/XX/12 Prov., paragraph 24).

2. Annex I to this document contains a draft for a variety description model prepared by the experts from the Federal Republic of Germany. Annex II contains a practical example of a variety description established by these experts according to the model contained in Annex I.

3. To facilitate a comparison, the Office of the Union has reproduced in Annex III the present UPOV Model Form for a Report on Technical Examination as laid down in document ST/IX/4, Annex VII, or in Section 23 of the UPOV Collection of Important Texts and Documents.

4. Attention is also drawn to paragraphs 57 to 62 and Annex II of document TC/XXI/3 which reproduce the views of the Technical Working Parties on the above subject.

[Three Annexes follow]

FEDERAL PLANT VARIETIES OFFICE

September 16, 1985

VARIETY DESCRIPTION

Species: Winter Barley

(Hordeum vulgare L.)

Variety: Andrea

Application No.: GW 649

Applicant: W. von Borries-Eckendorf oHG
Postfach 12 06
D-4817 Leopoldshöhe 3Proposed Variety Denomination or
Breeder's Reference: ECK.210978A. GroupingCharacteristicsState of Expression

Lower leaves: hairiness of leaf sheaths	present
Ear: number of rows	more than two
Grain: rachilla hair type	long
Grain: hairiness of ventral furrow	absent
Flag leaf: anthocyanin coloration of auricles	present

B. CharacteristicsStates of ExpressionNotes

UPOV Test Guidelines TG/19/7, 1981-10-26	(According to test results from 1982 to 1984 in Rethmar)	
1. Plant: growth habit	intermediate to semi prostrate	6
2. Lower leaves: hairiness of leaf sheaths	present	9
n 1. Lower leaves: intensity of hairiness of leaf sheaths	medium	5
3. Flag leaf: attitude	recurved	5
4. Flag leaf: anthocyanin coloration of auricles	present	9
5. Flag leaf: intensity of anthocyanin coloration of auricles	weak	3
n 2. Flag leaf: length of leaf blade	medium to long	6
n 3. Flag leaf: width of leaf blade	medium to broad	6
6. Flag leaf: glaucosity of sheath	medium to strong	6
7. Time of ear emergence (first spikelet visible on 50% of ears)	medium to late	6
8. Awns: anthocyanin coloration of the tips	present	9
9. Awns: intensity of anthocyanin coloration of the tips	weak	3

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Annex II, page 2.

<u>Characteristics</u>	<u>States of Expression</u>	<u>Notes</u>
10. Ear: glaucosity	weak to medium	4
11. Ear: attitude	horizontal to semi-drooping	6
12. Plant: height (stem and ear)	medium to long	6
13. Ear: number of rows	more than two	2
14. Ear: shape	n o t r e c o r d e d	
15. Ear: density	medium	5
16. Awn: length compared to ear	longer	3
17. Awn: spiculation of margins	present	9
18. Rachis: length of first segment	n o t r e c o r d e d	
19. Rachis: curvature of first segment	n o t r e c o r d e d	
20. <u>Two-rowed barley only:</u> Rachis: bumping of segments (in mid-third of ear)	n o t a p p l i c a b l e	
21. <u>Barley with more than 2 rows only:</u> Rachis: degree of zig-zag (alignment of segments in mid-third of ear)	medium	5
22. Sterile spikelet: attitude (as for 20)	n o t a p p l i c a b l e	
23. Sterile spikelet: length of lemma (as for 20)	n o t a p p l i c a b l e	
24. Sterile spikelet: shape of tip (as for 20)	n o t a p p l i c a b l e	
25. Median spikelet: length of glume and awn relative to grain	longer	3
26. Grain: rachilla hair type	long	2
27. Grain: husk	present	9
28. Grain: anthocyanin coloration of nerves of lemma	weak	3
29. Grain: spiculation of inner lateral nerves of lemma	strong	7
30. Grain: hairiness of ventral furrow	absent	1
31. Grain: disposition of lodicules	n o t r e c o r d e d	
32. Kernel: color of aleurone layer	colored	2
33. Seasonal type	alternative type	2
34. Reaction to DDT	n o t r e c o r d e d	

C. Similar Varieties

Characteristic	Andrea (GW 649)	Bollo (GW 235)
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6. Flag leaf: glaucosity of sheath	medium to strong (6)	weak to medium (4)
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D. Remarks

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ANNEX III

UPOV MODEL FOR A REPORT ON TECHNICAL EXAMINATION

Requesting authority	Application No.
Reporting authority	Reference No.

GENERAL INFORMATION

1. <u>species</u> (common and Latin name):	2. <u>date of application</u> (in requesting State):
3. <u>applicant</u> (name and address):	
4. <u>proposed denomination</u> :	<u>breeders reference</u> :
5. <u>testing station</u> :	6. <u>site(s) and year(s) of tests</u> :

RESULTS OF THE TECHNICAL EXAMINATION

(add further sheets if necessary)

7. <u>report on distinctness</u> :
8. <u>report on homogeneity</u> :
9. <u>report on stability</u> :

CONCLUSION

<p>10. <u>Conclusion of the reporting authority on the basis of the results of the technical examination:</u></p> <p>(a) The variety</p> <p><input type="checkbox"/> is distinguishable from any other variety, <input type="checkbox"/> is not distinguishable from all varieties, whose existence is known to us.</p> <p>(b) The variety</p> <p><input type="checkbox"/> is sufficiently homogeneous, <input type="checkbox"/> is not sufficiently homogeneous, having regard to the particular features of its sexual reproduction or vegetative propagation.</p> <p>(c) The variety</p> <p><input type="checkbox"/> is stable <input type="checkbox"/> is not stable</p> <p>in its essential characteristics.</p> <p>In the case of a positive conclusion, a description of the variety is given in an annex to this report.</p>

Place and date: Signature:

ANNEX TO THE REPORT ON TECHNICAL EXAMINATION

Requesting authority	Application No.
Reporting authority	Reference No.

DESCRIPTION OF THE VARIETY

<p>A. Characteristics, mentioned in the UPOV Test Guidelines <u>TG/.... /.... (dated 1976-...-...)</u></p>						
characteristic	note*	remarks				
<u>(as an example: wheat)</u>						
1. Coleoptile: anthocyanin coloration (in laboratory)	1. 9. <input type="checkbox"/>					
2. Coleoptile: intensity of anthocyanin coloration (in laboratory)	1.2.3.4.5.6.7.8.9. <input type="checkbox"/>					
3. Plant: growth habit	1.2.3.4.5.6.7.8.9. <input type="checkbox"/>					
4. Flag leaf: attitude	1.2.3.4.5.6.7.8.9. <input type="checkbox"/>					
etc.	etc.					
<p>B. Differences from those varieties which most closely resemble the variety</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><u>variety denomination</u></td> <td style="width: 50%;"><u>differences</u></td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> </table>			<u>variety denomination</u>	<u>differences</u>		
<u>variety denomination</u>	<u>differences</u>					
<p>C. Additional data</p>						

* To avoid errors a circle should be made around the right figure and the figures should be written in the open square. A cross in the open square means that this characteristic has not been observed.