



Disclaimer: unless otherwise agreed by the Council of UPOV, only documents that have been adopted by the Council of UPOV and that have not been superseded can represent UPOV policies or guidance.

This document has been scanned from a paper copy and may have some discrepancies from the original document.

Avertissement: sauf si le Conseil de l'UPOV en décide autrement, seuls les documents adoptés par le Conseil de l'UPOV n'ayant pas été remplacés peuvent représenter les principes ou les orientations de l'UPOV.

Ce document a été numérisé à partir d'une copie papier et peut contenir des différences avec le document original.

Allgemeiner Haftungsausschluß: Sofern nicht anders vom Rat der UPOV vereinbart, geben nur Dokumente, die vom Rat der UPOV angenommen und nicht ersetzt wurden, Grundsätze oder eine Anleitung der UPOV wieder.

Dieses Dokument wurde von einer Papierkopie gescannt und könnte Abweichungen vom Originaldokument aufweisen.

Descargo de responsabilidad: salvo que el Consejo de la UPOV decida de otro modo, solo se considerarán documentos de políticas u orientaciones de la UPOV los que hayan sido aprobados por el Consejo de la UPOV y no hayan sido reemplazados.

Este documento ha sido escaneado a partir de una copia en papel y puede que existan divergencias en relación con el documento original.



INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS

Sixteenth Session
Geneva, Switzerland, June 23 to 25, 1987

REPORT

adopted by the Technical Working Party for Agricultural Crops

Opening of the Session

1. The sixteenth session of the Technical Working Party for Agricultural Crops (hereinafter referred to as "the Working Party") was held at the headquarters of UPOV, Geneva, Switzerland, from June 23 to 25, 1987. The list of participants is reproduced in Annex I to this report.

2. Dr. W. Gfeller, Vice Secretary-General of UPOV, welcomed the participants to Geneva. The session was opened by Mr. J. Guiard, Chairman of the Working Party. The Chairman specially welcomed Dr. N. Pogna and Dr. F. Mellini (Miss) (Italy) who were attending sessions of the Working Party for the first time.

Adoption of the Agenda

3. The Working Party unanimously adopted the agenda of its sixteenth session, which is reproduced in document TWA/XVI/1, after having agreed to add under item 9 the new subitem "Sorghum" and after item 8 the items "Minimum Distance" and "Hybrid Varieties" as well as to add after item 10 the items "List of species eligible for protection" and "List of resistance genes."

Adoption of the Draft Report on the Fifteenth Session

4. The Working Party unanimously adopted the draft report on the fifteenth session as reproduced in document TWA/XV/7 Prov.

Important Decisions Taken During the Twenty-Second Session of the Technical Committee

5. The Chairman gave a short report on the important decisions taken during the last session of the Technical Committee on the basis of document TC/XXII/7. The Working Party then discussed in detail some individual subjects.

Homogeneity of Hilum Color in Broad Bean and Field Bean

6. The Working Party noted paragraph 22 of document TC/XXII/7 and the oral report of the Chairman that there were still strong objections from field bean breeders to the homogeneity requirement in hilum color and testa color because those characteristics were of no agronomical importance. The Working Party agreed to discuss this in conjunction with the agenda item "Concept of distinctness and homogeneity with respect to discontinuous characteristics of not truly self-pollinated varieties and of cross-pollinated varieties."

Annual List of Varieties Under Test

7. The Working Party noted paragraph 40 of document TC/XXII/7. It recognized the difficulty of finding the relation between the varieties under test appearing in an annual report on the one hand and the varieties protected and appearing in the final national gazette on the other hand, because they were not always given the same variety denomination. The Working Party thought that this was more of an administrative problem and noted that the expert from Israel would prepare a document on harmonization of gazette entries to be discussed by the Technical Working Party on Automation and Computer Programs during its next session.

Revision of the UPOV Model for a Report on Technical Examination

8. The Working Party noted paragraph 52 and Annex IV of document TC/XXII/7. Although the new form which was reproduced in Annex IV of document TC/XII/7 had already been accepted by the Technical Committee at its last session, some of the Working Party's experts saw technical difficulties in keeping strictly to the lay-out of the form. They mentioned especially that using two columns in the first part of the form was impossible for their national word processors. After the discussion, the Working Party agreed to use the wordings and the order of the new form.

Summary Report on the Work of the Technical Working Party on Automation and Computer Programs

9. Dr. M.-H. Thiele-Wittig gave a brief report on the fifth session of the Technical Working Party on Automation and Computer Programs. The full report

on that session will be reproduced in document TWC/V/8 Prov. The Working Party then exchanged views on some important subjects.

Combined Over-Years Analysis

10. The Working Party noted that the Technical Committee had agreed to introduce Combined Over-Years (COY) Analysis for testing the distinctness of grass species at at least 5% significance level. It recognized, however, that only the United Kingdom was currently using the COY Analysis for testing grasses and that the other member States were still in the process of introducing that analysis. During the discussion, the Working Party noted the following proposals or comments to be transmitted to the Technical Working Party for Automation and Computer Programs and to the Technical Committee:

(i) Several experts in the Working Party expressed their concern that the requirement of at least 5% significance level might be dangerous as some member States could be led to lower their levels and it might be difficult at a later stage to raise them again.

(ii) The Technical Working Party on Automation and Computer Programs should take into account the testing methods presently used by the member States' Testing Authorities when developing new statistical methods, in order to avoid unnecessarily complicated testing methods.

(iii) The Technical Working Party on Automation and Computer Programs should give the other Technical Working Parties enough time to catch up with the new improvements proposed by it. It should, therefore, not prepare further alternatives to COY Analysis for the time being.

(iv) In future, the Technical Committee should not adopt new statistical methods proposed by the Technical Working Party on Automation and Computer Programs without the agreement of the other Technical Working Parties affected by those changes and without having given them enough time to study the methods.

(v) The Working Party proposed that more experts working in non-statistical fields should participate in the work of the Technical Working Party on Automation and Computer Programs.

Testing of Homogeneity in Self-Pollinated Plants

11. The Working Party noted that the Technical Working Party on Automation and Computer Programs was studying the application of nominal standards for testing homogeneity in self-pollinated plant species. The Working Party recommended harmonizing the sample size and maintaining the size mentioned in the respective Test Guidelines. It proposed including the background explanation in the table of the number of acceptable off types with respect to the sample size when the General Introduction to the Guidelines (document TG/1/2) was revised.

Standard Test Guidelines

12. The Working Party noted paragraphs 15 and 16 of document TC/XXII/7 and an oral report by the Chairman that the new standard sentences of the Standard Test Guidelines had been proven functional during the Subgroup meeting at La Minière, France, in March 1987 when preparing draft Test Guidelines for Triticale and for Durum Wheat. The whole Working Party was asked to use the standard Test Guidelines reproduced in document TC/XXII/8 as the initial material when drafting new Test Guidelines.

Final Discussion on Draft Test GuidelinesTest Guidelines for Lucerne

13. The Working Party noted documents TG/6/2 (proj), TWA/XVI/3 and TWA/XVI/5 and agreed to make the following main changes in document TG/6/2 (proj.):

(i) Table of CharacteristicsCharateristics

- 1, 4 to 12 to receive the indication in brackets: "to be observed on plots with spaced plants"
- 2 to receive the indication in brackets: "to be observed on rows"; to have the example varieties "Everest (3), Sverre (5), Wehrdaer Hildebrand-nova (7)" inserted
- 4, 5 to have the example variety "Franks Landmeiler" replaced by "Felu"
- 8, 9 to have the example variety "Franks Landmeiler" replaced by "Franken Neu"
- 10 to have the example variety "Franks Landmeiler" replaced by "Wehrdaer Hildebrand-Nova"
- 11 to have the example varieties "Sabilt, Polder (4), Vertus (5), Europe (6)" inserted
- 12 to have the example varieties "Betty (4), Vertus (5), Europe (6) inserted; after this characteristic, a new characteristic to be inserted reading: "Plant: height 6 weeks after 3rd cutting (time of 3rd cutting: 3 weeks after 2nd cutting)" with the states "low to medium (4), medium (5), medium to tall (6)"

14. Taking into account the large number of comments sent by the professional organizations, which were reproduced in documents TWA/XVI/3 and TWA/XVI/5, the Working Party agreed to study Test Guidelines for Lucerne for one more year with a view to including some additional characteristics such as autumn dormancy and winter hardiness, which had been proposed by the professional organizations. For that purpose, the experts from France would try to contact the American breeders and study the possibility of including those additional characteristics in order to reach a compromise with them. The revised draft Test Guidelines for Lucerne would be rediscussed at the Working Party's next session.

Test Guidelines for Turnip, Turnip Rape

15. The Working Party noted documents TG/37/5(proj.) and TWV/XX/12 and the letter from Dr. J. Habben (Chairman of the Technical Working Party for Vegetables) addressed to the Chairman of the Working Party which is reproduced in Annex II to this report.

16. Dr. M. Valvassori (Commission of the European Communities (EC)) gave a short explanation on the work of the group on umbrella varieties. Some old vegetable varieties were characterized, through the development of many "selections," by wide uniformity margins (so-called "umbrella" varieties). These varieties no longer satisfied the requirements as to uniformity applicable in respect of new varieties. Acceptance of these varieties could therefore not be renewed. On the other hand, the "umbrella" varieties had established a market position which should not be jeopardized unnecessarily. It therefore appeared appropriate to agree on a procedure to improve the situation while at the same time protecting legitimate interests. The whole procedure of this work would be (i) identification of the umbrella varieties, (ii) definition of the characteristics to be used for variety descriptions, (iii) identification of derived varieties (separation of each umbrella variety into varieties with narrower uniformity margins), (iv) denomination of the derived varieties.

17. The Working Party considered it important to keep the same characteristics for UPOV and EC purposes and agreed on the following:

(i) to hold an UPOV subgroup meeting in autumn this year. Mr. H.J. Baltjes (Netherlands) was asked to organize the subgroup meeting,

(ii) to establish thereafter an appropriate form of contact between UPOV and EEC with a view to harmonizing the characteristics to be used for variety descriptions.

18. As a result of the discussions at the present session, the Working Party settled the following points, which the Technical Committee, at its last session, had requested the Working Party to reconsider:

(i) It confirmed that the Latin name of the taxon to which these Test Guidelines should apply should be Brassica rapa L. emend. Metzg. It agreed, however, to delete the words "including Turnip Greens, Grazing Turnip and Broccollette" from the English version of Chapter I of document TG/37/5(proj.).

(ii) The amount of seed to be supplied should be 500g, as already mentioned in document TG/37/5(proj.).

Concept of Distinctness and Homogeneity with Respect to Discontinuous Characteristics of Not Truly Self-Fertilized Varieties and of Cross-Fertilized Varieties

19. Mr. R. Duyvendak (Netherlands) gave a short summary of the problems concerning the decision on homogeneity with regard to discontinuous characteristics of the different types of varieties, namely self-fertilized varieties, cross-fertilized varieties and their intermediate types (not truly self-fertilized varieties). He suggested that it should be made clear under which condition and to which extent heterogeneity could be accepted. The Working

Party thought it urgent to solve this problem especially in the case of synthetic varieties which were interpreted differently and therefore in some cases dealt with differently by the individual member States.

Minimum Distance, Hybrid Varieties

20. The Working Party noted documents CAJ/XVIII/3 on Minimum Distances and CAJ/XX/7, which contained the procedure for distinctness decisions in the case of hybrid maize varieties used in France, and the list of classified characteristics of parent line varieties. It agreed to study document CAJ/XVIII/3 at the national level. With respect to document CAJ/XX/7, Mr. J. Guiard (France) mentioned that this procedure had already been used for two years in France to test whether the classification of characteristics and the minimum distances applied to parent lines would permit distinguishing hybrid varieties. He summarized the whole testing procedure as follows:

(i) the testing authority compared the parent lines according to the list of classified characteristics,

(ii) if sufficient difference in the parent lines was established according to that list, the hybrid variety in question was regarded as distinct,

(iii) if sufficient difference in the parent lines was not established, the hybrid variety in question itself had to be tested,

(iv) in any case, all hybrid varieties submitted to the testing authorities were themselves described individually.

21. During the discussion, some experts expressed concern that the distinctness of the resultant hybrid varieties could not necessarily be guaranteed by the differences of the parent varieties in classified characteristics, especially in the case of hybrid varieties produced by using isogenic lines, and that the interpretation of the list might be too optimistic. Others mentioned that this procedure had been introduced in view to facilitate the testing method and its application should be restricted to those hybrid varieties for which a great number of applications for plant breeders' rights were foreseen. Several experts reminded the Working Party that the possibility of granting plant breeders' rights for hybrid maize varieties, merely on the basis of the difference of their parent lines and on their formula, had been rejected several years previously, when revising the Test Guidelines for Maize. While some experts recognized that, if the French procedure were accepted as an alternative to the present UPOV distinctness criteria for hybrid maize varieties, it would be necessary to change the general philosophy of hybrid variety testing, the experts from France insisted that the whole procedure did not change the UPOV rule; it was only a practical approach to simplify testing and to cope with the numerous applications for maize hybrids. At the present session, the Working Party did not take any decision on this subject and agreed to study it further in each country.

22. During the discussion on the classification of characteristics some experts proposed that, if in future a list of classified characteristics were to be established, it should be submitted firstly to the Technical Working Party concerned before its presentation to the other UPOV bodies.

Discussion on Working Papers on Test Guidelines

Test Guidelines for Common Vetch

23. The Working Party noted document TWA/XVI/7 and agreed to make the following main changes in that document:

(i) Material Required: The recommended quantity of plant material to be delivered should be "1 kg seeds; if required, plants must be delivered."

(ii) Conduct of Tests: The possible number of plant rows to be delivered should be 50.

(iii) Table of Characteristics:

Characteristic

- 1 to read "Seedling: ratio length/width of first leaflets of second true leaf" with the states "very low, low, medium, high, very high" and to have the order of the example varieties reversed
- 17 to have the states "globose, ellipsoid, rectangular"
- 19 to 27 to be replaced by the following four characteristics with an asterisk reading: "Grain: brown ornamentation" with the states "absent (1), only diffuse (2), only pronounced (3), partly diffuse and partly pronounced (4);" "Grain: extension of brown ornamentation" with the states "very small, small, medium, large, very large;" "Grain: blue black ornamentation" with the states "absent (1), punctuation (2), mottling (3), punctuation and mottling (4);" "Grain: extension of blue black ornamentation" with the states "very small, small, medium, large, very large."

24. The expert from Spain will prepare a new draft for Test Guidelines for Common Vetch including new drawings, literature and additional asterisks before the end of July, 1987, which will be sent to the experts from France and the Federal Republic of Germany as well as to the office of UPOV. If there is no comment on that draft within two weeks after receiving it, it will be sent to the professional organization for comments.

Test Guidelines for Durum Wheat

25. The Working Party noted documents TWA/XVI/4 and TWA/XVI/6 and agreed to send the draft Test Guidelines for Durum Wheat to the professional organizations for comments, after having agreed to make the following main changes in document TWA/XVI/4:

(i) Material Required: The recommended quantity of plant material to be delivered should be "3 kg seeds; if required, 100 ears should be delivered"

(ii) Table of Characteristics:Characteristics

- 4 to read: "Plant: frequency of plants with recurved flag leaves" with the states "absent or very low, low, medium, high, very high"
- 5 to read: "Time of ear emergence (first spikelet visible on ears of 50% of plants)"
- 12 to read: "Plant: length (stem, ear and awns)"
- 13 to have the words "pith in cross" inserted before "section" and to have the word "pith" in the states of expressions deleted
- 14 to read: "Ear: distributions of awns" with the states "awnless (1), tip only (2), upper half (3), whole length (4)"
- 22 to have the state "white" replaced by "whitish"
- 23 to read: "Ear: length excluding awns"
- 26 to read: "Ear: shape in profile" with the states "tapering (1), parallel-sided (2), semi-clavate (3), clavate (4), fusiform (5)"

(iii) Explanations and Methods: The explanations on characteristic 2 given in document TWA/XVI/6 should be included in this chapter.

(iv) Technical Questionnaire: Characteristics 14, 22, 23, 26, 31 should be included under chapter 5.

Status of Test Guidelines

26. The Working Party agreed that the draft Test Guidelines for Common Vetch (revision) and for Durum Wheat should be sent to the professional organizations for comments.
27. The Working Party agreed to rediscuss the draft Test Guidelines for Lucerne (revision) and for Turnip, Turnip Rape (revision) at its next session.
28. Lack of time did not permit the Working Party to discuss working papers on Test Guidelines for Triticale and for Sorghum.

Electrophoresis Test on Wheat

29. The Working Party noted that Dr. Camlin (United Kingdom) would send to the Office of UPOV a written report on the study before the end of September 1987. It agreed to discuss this subject at its next session with technical experts from the professional organizations.

Future Program, Date and Place of Next Session

30. The Working Party agreed to hold its seventeenth session at Surgères, near La Rochelle, France, from July 5 to 8, 1988. During the session, the Working Party plans to discuss or rediscuss the following items:

- (i) Final discussion on draft Test Guidelines for:
 - Lucerne (revision) (FR to contact the American breeders and report on outcome)
 - Turnip, Turnip Rape (revision) (Mr. Baltjes (NL) to organize a Subgroup meeting and to contact the EC Commission and report on it)
 - Common Vetch (revision) (TG/32/4(proj.) + comments from professional organizations)
 - Triticum Durum (revision) (TG/120/1(proj.) + comments from professional organizations)
- (ii) Concept of distinctness and homogeneity with respect to discontinuous characteristics of not truly self-fertilized varieties and of cross-fertilized varieties (Mr. R. Duyvendak and Mr. H.J. Baltjes (NL) to prepare a working paper).
- (iii) Discussion on working papers on Test Guidelines for:
 - Triticale (TWA/XVI/8 + TWA/XVI/9)
 - Sorghum (TWA/XVI/2)
 - Bent (revision) (TG/30/3 + comments from the experts of the Working Party; all experts to send comments on Test Guidelines for Bent (document TG/30/3) to Mr. Baltjes (NL) before the end of the year)
 - Ryegrass (revision) (TG/4/4 + report from Subgroup; Dr. Camlin (UK) to prepare a working paper for Subgroup before the end of the year)
 - Kentucky Bluegrass (revision) (TG/33/3 + report from the Subgroup; Mr. Baltjes (NL) to prepare a working paper for the Subgroup before the end of year)
 - Pea (revision) (TG/7/4 + report from the Subgroup)
 - Safflower (Mr. Salaices (ES) to prepare a working paper)
- (iv) Electrophoresis test on wheat (Dr. Camlin (UK) to prepare a written report on the study)
- (v) Hybrid Varieties (CAJ/XX/7)

31. The Working Party recognized the necessity of revising Test Guidelines for Wheat (Triticum aestivum L.) in the near future. It agreed, however, not to include the discussion on Test Guidelines for Wheat on the Agenda for its next session. Nevertheless, wheat was included in Annex II of document TC/XXII/7 as a species for which the revision of Test Guidelines is planned. For 1989, a Subgroup meeting on wheat and barley was already planned.

32. The Working Party noted that the Technical Working Party for Vegetables had proposed that the Working Party should deal with Test Guidelines for *Oenothera*. The Working Party decided not to include this subject on the agenda for its next session and left it to the Technical Committee to decide which Technical Working Party should handle that taxon.

33. The Working Party noted that the experts from Israel and Spain would exchange their views on Test Guidelines for Chick Pea with a view to presenting their joint proposal next year. The Working Party, however, decided not to include this subject on the agenda for the next session.

34. The Working Party noted the possibility of holding Subgroup meetings on grasses in connection with the EC comparative study on grass varieties in respect of which a meeting was scheduled in Denmark on June 17 and 18, 1988. The date of the Subgroup meetings was presumed to fall on June 16, 1988. However, the definitive date and place of the Subgroup meetings would be fixed by Mr. Baltjes (DE) and Mrs. Rasmussen (DK) in October, 1987, in contact with Dr. Valvassori (EC Commission). During the Subgroup meetings, it is planned to discuss working papers on Test Guidelines for Bent, for Ryegrass and for Kentucky Bluegrass.

List of Resistance Genes

35. The Working Party agreed, on the proposal of Mrs. Rasmussen (Denmark), not to continue preparing a list of resistance genes in cereals, but to await the preparation of such a list by the European Communities.

List of Species Eligible for Protection

36. The Working Party noted document CAJ/XVIII/2 and agreed to study the proposals in that document at national level.

Participation of Technical Experts in the Discussions of the Working Party

37. During the discussion on the program for its next session, the Working Party exchanged views on the invitation of technical experts from the professional organizations to its sessions. Some experts in the Working Party preferred inviting technical experts to its Subgroup meetings when working papers on Test Guidelines were prepared, stressing that the Subgroup meeting on Triticale and Durum Wheat held in March 1987, in which the professional experts had participated actively and the discussion had been concentrated on Test Guidelines for those two species, had been very successful. Others thought that the technical experts should be also invited to the Working Party's session itself so that the Working Party could have the opportunity of hearing the opinion of the breeders of the country in which the session was held. The Working Party confirmed, however, that even in the latter case the participation of technical experts should be restricted to specific subjects on the agenda of which the technical experts should be informed beforehand. The Working Party did not reach general agreement on this problem, however, it agreed to invite some technical experts to a part of its next session for the discussions on electrophoresis, and on the discussions on Test Guideline for Triticale and for Durum Wheat.

Chairmanship

38. As the Chairmanship of Mr. Guiard (France) will end in October of this year, the Working Party unanimously agreed to suggest to the Technical Committee that it propose to the Council that Mr. D.P. Feeley (Ireland) be elected new Chairman for the next term of office of three years.

Visits

39. In the afternoon of June 24, 1987, the Working Party visited the Swiss Agricultural Research Station at Changins and paid a short visit to the office of ASSINSEL and FIS at Nyon.

Retirement

40. On behalf of the Working Party, Mrs. Rasmussen (DK) thanked Mr. R. Duyvendak (NL), who is due to retire this year, for his significant contribution to the work of the Working Party over a long period.

41. This report is considered as adopted by correspondence, in accordance with Rule 37(5) of the Rules of Procedure of the Council.

[Two annexes follow]

ANNEX I

LIST OF PARTICIPANTS AT THE SIXTEENTH SESSION
OF THE TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS
GENEVA, SWITZERLAND, JUNE 23 TO 25, 1987

I. MEMBER STATESDENMARK

Mrs. J. RASMUSSEN, Director, Statens forsoegsstation, Tystofte,
Teglvaerksvej 10, 4230 Skaelskoer (tel. 03-596141)

FRANCE

Mr. J. GUIARD, INRA/GEVES, La Minière, 78280 Guyancourt
(tel. (1) 30 83 35 80)

GERMANY (FEDERAL REPUBLIC OF)

Dr. G. FUCHS, Bundessortenamt, Osterfelddamm 80, 3000 Hannover 61
(tel. 0511-57041)

IRELAND

Mr. D.P. FEELEY, Department of Agriculture, Kildare Street, Dublin 2
(tel. 0035 31 789011 ext. 2031)

ISRAEL

Mr. B. BAR-TEL, Department of Seed Research, Agricultural Research
Organization, Volcani Centre, P.O.B. 6, Bet Dagan 50250 (tel. 03/980485)

ITALY

Dr. F. MELLINI (Miss), Istituto Sperimentale per la Cerealicoltura, Via
Mulino 3, 20079 S. Angelo Lodigiano (tel. 0371/90269)

Dr. N. POGNA, Istituto Sperimentale per la Cerealicoltura, Via Mulino 3,
20079 S. Angelo Lodigiano (tel. 0371/90269)

NETHERLANDS

Mr. H.J. BALTJES, RIVRO, P.B. 32, 6700 AA Wageningen (tel. 0031 8370 79111)

Mr. R. DUYVENDAK, RIVRO, P.B. 32, 6700 AA Wageningen (tel. 0031 8370 79111)

SOUTH AFRICA

Mr. J.U. RIETMANN, Agricultural Counsellor, South African Embassy, 59, Quai d'Orsay, 75007 Paris, France (tel. 01-45 55 92 37)

SPAIN

Mr. L. SALAICES SANCHEZ, Instituto Nacional de Semillas y Plantas de Vivero, Carretera de La Coruña, Km. 7,5, 28040 Madrid (tel. 0034 1 207 9442 or 207 9443, telex 48226)

SWEDEN

Dr. G. ANDERSON, Statens Utsaedeskontroll, Box 33, 221 00 Lund (tel. 046-124520)

SWITZERLAND

Dr. F. FREY, Eidg. Forschungsanstalt für landwirtschaftlichen Pflanzenbau, Reckenholzstrasse 191/211, 8046 Zürich-Reckenholz (tel. 01 578800 ext. 277)

Mr. R. GUY, Chef de service chargé de l'examen, RAC, Changins, 1260 Nyon (tel. 022 615451)

UNITED KINGDOM

Dr. M.S. CAMLIN, Department of Agriculture for Northern Ireland, Plant Testing Station, 50 Houston Road, Crossnacreevy, Belfast BT6 9SH (tel. 0232 44 8121)

II. OBSERVER ORGANISATION

Dr. M. VALVASSORI, Commission of the European Communities, rue de la Loi 200 (Loi 84 7'3, VI B II.1), 1049 Brussels, Belgium (tel. 2/235 69 71)

III. OFFICER

Mr. J. GUIARD, Chairman

IV. OFFICE OF UPOV

Dr. W. GFELLER, Vice Secretary-General
Dr. M.-H. THIELE-WITTIG, Senior Counsellor
Mr. A. HEITZ, Senior Officer
Mr. C. ROGERS, Legal Officer
Mr. M. TABATA, Associate Officer

[Annex II follows]

Bundessortenamt, Postfach 61 04 40, 3000 Hannover 61

Mr.
J. Guiard
INRA/GEVES
La Minière

F-78280 Guyancourt
Frankreich

Ihre Zeichen, Ihre Nachricht vom
Your reference, your letter of
Votre référence, votre lettre du

Unser Zeichen, unsere Nachricht vom
Our reference, our letter of
Notre référence, notre lettre du

Durchwahl
Extension
Indicatif

Datum
Date

G - 602.5

(0511) 57 04 - 207 11.06.1987

Betreff/Subject/Objet

Re: UPOV guideline turnip, turnip rape

Dear Mr. Guiard,

The Technical Working Party for Vegetables did not rediscuss the test guidelines for turnip, turnip rape at its session held in Bamberg from June 2 to 4, 1987. It was decided to wait for the outcome of the discussions in the Technical Working Party for Agricultural Crops and to solve open problems, if any, by correspondence.

Nevertheless I would like to inform you, that the UPOV-turnip guideline was discussed by the EEC Working group on umbrella varieties (Brossier group) at its meeting held in Brussels on 25 and 26 May 1987 in order to revise Annex I to Commission Directive of 14 April 1972 (72/168/EEC).

The EEC working group agreed on a proposal made by Mr. Evans (UK) for the description of rootskin colours (see annex). This proposal is similar to a proposal made by Mr. Baltjes (UPOV-document TWV/XIX/26). I would be much obliged if the Agricultural Working Party could rediscuss and perhaps agree on this proposal, in order to avoid that different characters are used for UPOV and EEC purposes.

...

Annex II, page 2

In addition in the EEC group it was agreed, that the following characters that have no asterisk in the draft UPOV-guideline TG/37/5 (proj) dated 1986-06-06 should always be used

- 6: leaf: attitude
- 8: leaf: green colour
- 10: leaf: number of lobes
- 14: leaf: length
- 20: root: position in soil
- 21: root: cork layer around skin
- 29: root: length
- 30: root: width
- 31: root: relative position of widest point
- 32: root: curvature of main axis
- 33: root: shape of the top
(but handled as a quantitative characteristic with the states indented (3), truncate (5), round (7). The state "rectangular" was deleted).
- 34: root: shape of the base
(but handled as a quantitative character with the states indented (3), truncate (5), round (7), pointed (9)).

I would be much obliged if the Technical Working Party for Agricultural Crops could agree to give an asterisk to the above mentioned characters.

Sincerely yours

J. Habben

CC.: Dr. Thiele-Wittig

Mr. Baltjes
Mr. Green
Mr. Evans
Mr. Brand
Mr. Boulineau
Mr. Brossier
Dr. Fuchs

Suggested Root Colour Characters for Turnips.

A Rootskin: chlorophyll	1 absent, 9 present
B Rootskin: anthocyanin coloration	1 absent, 9 present
C Rootskin: intensity of anthocyanin coloration	3 weak, 5 medium, 7 strong 9 very strong
D Rootskin: cork formation	1 absent, 9 present
E Root: flesh colour	1 white, 2 yellow
F Root: intensity of colour of flesh	3 weak, 5 medium, 7 strong

Notes:

1. Character C modifies character B to give pink, red and purple coloured roots.
2. The state "present" for characters A and B give bronze coloured roots.
3. The state "present" for characters A, B and D give black coloured roots.
4. Character F modifies character E to produce orange coloured flesh varieties when state F is 7 or 8.
5. It is thought that more than 1 gene governs anthocyanin coloration.

signed

J.L. Evans

[End of Annex and of document]