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## INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

**TECHNICAL WORKING PARTY  
FOR  
VEGETABLES****Sixteenth Session  
Zaragoza , Spain, May 30 to June 1 , 1983**

REPORT

adopted by the Technical Working Party for VegetablesOpening of the Session

1. The sixteenth session of the Technical Working Party for Vegetables (hereinafter referred to as "the Working Party") was held in Zaragoza, Spain, from May 30 to June 1, 1983. A list of participants appears in Annex I to this report.
2. Dr. Casallo, Head of the Centro Regional de Control of the Instituto Nacional de Semillos y Plantas de Vivero in Zaragoza welcomed the participants to his office. The session was opened by Mr. F. Schneider, Chairman of the Working Party.

Adoption of the Agenda

3. The Working Party adopted the agenda as reproduced in document TWV/XVI/1 after having agreed to discuss, under item 7, sub-item (viii) after sub-item (i) and not to discuss sub-items (vi) and (vii) because no documents had been prepared.

Adoption of the Report of the Fifteenth Session

4. The Working Party unanimously adopted the report of the fifteenth session as appearing in document TWV/XV/7, after having corrected the word "Cladospo-rium" in paragraph 18.

Report on the Eighteenth Session of the Technical Committee

5. Dr. M.-H. Thiele-Wittig reported on the last session of the Technical Committee, restricting himself to the main subjects discussed. The full report of that session is reproduced in document TC/XVIII/13 prov. He also gave short reports on the first session of the Technical Working Party on Automation and Computer Programs, the full report of which is reproduced in document TWC/I/4 Prov., as well as on the last session of the Administrative and Legal Committee, the full report of which is reproduced in document CAJ/XI/11 Prov.

Reports of Experts on the Progress Made in the Field of Plant Breeders' Rights in Vegetables

6. Some of the experts distributed written statements which are reproduced in Annexes II (Spain) and III (United Kingdom). Having noted that the exchange of lists of varieties under test was well under way, the experts of the other member States saw no need for a more detailed discussion on this agenda item during the session. Moreover it would no longer include the same item in the agenda of future sessions; if ever certain information were to be considered helpful to the other experts it could be provided under "Any other business."

Test Guidelines for Leek

7. The Working Party noted the comments received from the professional organizations on the draft for Test Guidelines for Leek (TG/85/1(proj.)) as reproduced in document TWV/XVI/12. It finally made the following main changes in document TG/85/1(proj.):

(i) In the Technical Notes, in paragraph 1, the quantity of seed was reduced to 75g, and paragraph 3 would be amended according to the decision of the Technical Committee reproduced in document TC/XVIII/13 Prov., paragraph 51.

(ii) Changes made in the Table of Characteristics:

Characteristic

- |    |  |
|----|--|
| 1  | to read "Seed: size (not graded harvested seed)" and to be placed at the end of the table  |
| 2  | to be placed after characteristic 5  |
| 3  | to have the asterisk deleted, to read: "Plant: height" and to have the drawing corrected   |
| 4  | to receive an asterisk   |
| 5  | to have the states "low, medium, high"   |
| 6  | after this characteristic a new characteristic to be inserted reading: "Leaf: length of longest blade" with the states "short, medium, long" and the example varieties Suprella (5), Fafner, Kong Richard (7) and Bavaria (8) and to receive a drawing as indicated in document TWV/XVI/12 |
| 7  | to have the additional state "grey-green"  |
| 8  | to have the word "green" deleted   |
| 12 | after this characteristic a new characteristic to be inserted reading: "Leaf: grooving of blade" with the states "absent (Franse Zomer), present (D'Hiver de Saint Victor, Libertas)"  |
| 16 | to read: "Shaft: narrowing towards the base"   |
| 17 | to be deleted; thereafter a new characteristic to be inserted reading: "Flower: color" with the states "white (Alma), violet (Herfstreuzen)"; another characteristic on the root formation would still have to be studied before it could be included                                      |

(iii) Changes made to the Example Varieties:

Characteristic

- |   |  |
|---|--|
| 1 | De Carentan (3) to be deleted, "Premier d'hiver" to be corrected to read: "Premier, Géant d'hiver (5)" |
| 2 | Hubertus (3) to be deleted   |
| 3 | De Carenton (3) to be deleted  |
| 4 | the experts from France to indicate example varieties  |

- 5 the experts from the United Kingdom to indicate example varieties
- 6 Très long d'hiver de Paris to be replaced by Rustic,  
Hubertus (5) to be deleted
- 7 Bleu de Solaise (4) to be deleted,  
Switserse Reuzen (4) to be added
- 9 Jaune gros du Poitou (1) to be added,  
Libertas (5) to be deleted
- 11 Fidel (7) to be deleted
- 12 Fide (1) to be deleted,  
Hubertus (2) to be deleted
- 13 Regius (5) to be deleted,  
Lavi, Rese, Titan (9) to be replaced by Kong Richard
- 14 Hubertus (5) to be deleted
- 15 Hubertus (3) to be deleted

(iv) The Working Party agreed that the document should be sent to the Technical Committee for final adoption after having been edited by the Editorial Committee.

(v) In connection with the discussions on the Test Guidelines for Leek, the Working Party agreed that whenever it observed a color on a waxy leaf, the observation would have to be made without removing the wax beforehand. This would apply to the observation of the color as well as its intensity.

#### Test Guidelines for Broad Bean, Field Bean

8. The Working Party noted the comments collected by the Office of UPOV on the Working Paper on Test Guidelines for Broad Bean and Field Bean as reproduced in document TWV/XVI/8 and made the following main changes to document TWV/XVI/6:

- (i) Changes made in the Technical Notes:

#### Technical Note

- 3 to be changed according to the decisions of the Technical Committee as reproduced in document TC/XVIII/13 Prov., paragraph 51.
- 9 to be changed to read: "Unless otherwise indicated, all observations on the leaf should be made after flowering, all observations on the flower when it just opens and all observations on the pod at full development of the pods. The observations should be made in the central third of the plant, and observations on the flower on the largest flower at the second flowering node."

- (ii) Changes made in the Table of Characteristics:

#### Characteristic

- 2 to have the asterisk deleted
- 6 to have the Notes "3, 5, 7"
- 7 to have the planned drawings deleted and to have only the states "weak, medium, strong"
- 8 to have only the states "short, medium, long"
- 10 to be recorded that the second or third flowering node
- 11 to have only the states "early, medium, late"
- 13 to have the brackets and the contents of the brackets deleted
- 16 after this characteristic a new characteristic to be included reading: "Truss: number of pods" with the states "few (Aquadulce, Muchamiel), medium (Alameda, Prothabon 69, many (Pilot, Maxime)"

- 18 to read: "Pod: length (without beak)" with the states "very short, short, medium, long, very long"
- 19 to have an additional state "very narrow, very broad"
- 21 to be deleted
- 23 to receive a bracketed addition reading "including seeds"
- 24 to read: "Pod: thickness of pod wall"
- 25 to be deleted
- 26 to have the states "narrow elliptic, elliptic, broad elliptic, circular"
- 27 to have the additional state "rectangular (4)"
- 28 to be deleted
- 30 to have the state "brown(ish)" deleted
- 32 to be placed at the beginning of the Table of Characteristics
- 33 to read: "Time of full development of pod"

(iii) The Working Party included the following example varieties in the Table of Characteristics:

Characteristics

1	Arbo, Reina Mora	3
	Manfredini, Multigreen	5
	Ascott, Kleine Thüringer	7
2	Ascott, Minden	3
	Proprix, Survoy	5
	Arbo, Reina Blanca	7
7	Francks Ackerperle	3
	Skladia Kleine	5
	Minica, Alfred	7
8	Minden	3
	Erfordia	5
	Lange Hangers	7
10	Aquadulce Claudia	3
	Conqueror	5
	Maris Beaver	7
11	Minica	3
	Minden	5
	Banner	7
16	Throws MS, Soravi	3
	Avrissot, Banner	5
	Colomba, Maxime	7
17	Statissa The Sutton	3
	Archi, Trio	5
	Express, Cavalier	7
	Lange Hangers	9
18	Manfredini, Z201	3
	Multigreen, Futura, Arbo	5
	Imperial Green Longpod, Muchamiel	7
22	Felissa	3
	Blanktilla	5
23	Talo, Witkiern	3
	Masterpiece Green Longpod	5
	Imperial Green Longpod	7

24	Valenciana	3
	-	5
	Aquadulce	7
29	Throws MS	3
	Felix	5
	Imperial Green Longpod	7
	Histal	9
33	Reina Mora	3
	Aquadulce	5
	Mahon Blanca	7

3, 5, 6, 12, 14 example varieties have yet to be indicated by the experts from the United Kingdom.

(iv) The Working Party agreed to present the above-mentioned proposals to the Technical Working Party for Agricultural Crops, asking them to agree on them or make further proposals. The proposals from the Technical Working Party for Agricultural Crops should be circulated to the members of the Technical Working Party for Vegetables with the aim of reaching agreement by correspondence to enable the document to be sent to the professional organizations for comments. As certain experts had expressed the view that homogeneity in broad beans was slightly different from that in field beans, the Working Party for Vegetables stressed that all efforts had to be made to avoid the eventuality of a variety that had been refused protection as a broad bean for lack of homogeneity being accepted and granted rights as a field bean.

#### Test Guidelines for Turnip (including Turnip Rape)

9. The Working Party started discussing the preparation of revised Test Guidelines for Turnip on the basis of a draft prepared by the Subgroup on Turnip during its meetings at Wageningen (Netherlands) on April 19 and 20, 1983 (document TWA/XII/5), and proposed the following main changes in that document to the Technical Working Party for Agricultural Crops.

- (i) To have the words "sensu lato" deleted from the cover page.
- (ii) Changes proposed in the Technical Notes:

#### Technical Notes

1 to 3 The Working Party wondered why paragraphs 1 to 3 of the Technical Notes were worded in a manner different from the wording used by itself. It would therefore propose to the Technical Committee that it try to achieve harmonized wording for the Technical Notes in the Test Guidelines established by different Technical Working Parties.

5(i) to be so presented as to convey that the trials concerned should only be made if the testing office was interested in them

6 to have a further inclusion with a key which would enable the separation of turnip from turnip rape.

- (iii) Changes proposed in the Table of Characteristics:

#### Characteristics

1 to have the states "up to and including 2%, higher than 2%"

2 to have the states "up to and including 30umol, higher than 30umol"

9 to read: "Foliage: color"

18 to be split into two characteristics, the first with an asterisk and the states "absent, present," the second for intensity with the states "very weak, weak, medium, strong, very strong"; after this characteristic two further characteristics to be inserted, the first reading: "Leaf: hair vesicles", with the states "absent (Appin, Frisia), present" and another characteristic reading: "Leaf: number of hair vesicles" with the states "few (Teutonen-gold), medium (De Milan à forcer à collet rose, De Croissy), many (Blanc dur d'hiver, Hampshire Hardy Green Round)"

- 27 to read: "Root: ratio length/width" with the states "very small, small, medium, large, very large" and to be placed after characteristic 29
- 30 to read: "Root: position of widest point" with the states "lower third (1), central third (2), upper third (3)"
- 32 to have the states "indented (1), truncate (2), rounded (3) (the state "rectangular" was considered to be the same as truncate)
- 33 to have the states "indented (1), truncate (2), rounded (3), pointed (4)"
- 39, 40, 42, 44 to have the words "stem" or "peduncle" replaced by "pedicel"
- 40 the Working Party doubted the reliability of this characteristic
- 45 to be observed on the ripe seeds immediately after harvesting

(iii) The following additional example varieties were proposed:

Characteristic

9	Arca, Jaune Tankard Appin	1 9
10	Taronda	1
11	De Croissy Civasto Barkant	4 6 7
12	Teutonengold to be replaced by Trofee Tokyo Market to be replaced by Aarselia Polybra to be replaced by Arca (Teutonengold as well as Polybra were considered to have Note 7)	5 7 9
13	Sivasto Trofee Tigra to be replaced by Jobe Polybra	1 3 5 7
15	De Milan rouge extra hâtif à chassis Petrowski	3 5
19	Tokyo Cross to be replaced by A forcer Nantais Tokyo Top to be replaced by De Milan rouge extra hâtif à chassis	7 9
21	Tokyo Market to be replaced by A forcer Nantaise	1
28	De Milan à forcer à collet rose Bency	1 3
29	A forcer Nantaise	1

(iv) The Working Party had certain reservations regarding the use of un-protected example varieties from certain non-member States, e.g. the example variety "Siniaja Mestujaja," as it would be difficult to obtain material from those varieties and there would be no certainty of the material obtained in the various member States being always the same.

Test Guidelines for Curly Kale

10. The Working Party noted the working paper on Test Guidelines for Curly Kale as reproduced in document TWV/XVI/11, and made the following main changes in that document:

(i) Paragraph 3 of the Technical Notes to be amended according to the decision of the Technical Committee.

(ii) Changes made in the Table of Characteristics:

Characteristic

- 2 to be placed after 3
- 13 to read: "Leaf blade: curvature of midrib" with the states "weak, medium, strong"
- 14 to have the additional example variety "Pentland Brig (3)"; after this characteristic a new characteristic to be inserted reading: "Leaf blade: cupping in cross-section" with the states "weak, medium, strong"
- 15 to have the Notes changed into 1, 2 and 3, and the drawings deleted

(iii) The Working Party agreed to send the document to the professional organizations for comments.

Test Guidelines for Melon

11. Although previously it had been planned that the working paper on Test Guidelines for Melon (document TWV/XVI/10) would be discussed first in a sub-group, owing to the late arrival of some experts the plans had to be changed and the document was discussed in the full session of the Working Party, where the following main changes to that document were made:

(i) Changes made in the Technical Notes:

Technical Note

- 3 to be changed according to the decision of the Technical Committee as reproduced in document TC/XVIII/13 Prov., paragraph 51
- 4 to have the third sentence replaced by the following: "As a minimum, each test should include a total of 20 plants in the glasshouse and 40 plants in the open, or in the case of glasshouse trials alone 30 plants in the glasshouse, or in the case of open trials alone 60 plants in the open. In all cases the total number of plants should be divided between two or more replications."
- 5(vi) to be deleted
- 9 to be changed to read: "All observations on the leaf should be recorded on leaves between the tenth and fifteenth node."

(ii) The Working Party expressed certain doubts on the usefulness of the characteristics of the firmness of the flesh especially because this might depend on the time of harvesting. It therefore proposed to include the following definition of the market stage in the Technical Notes:

"The market stage of fruits is determined for the various varieties by experience according to the following criteria:

- "- abscission of stalk
- "- color on stalk area
- "- full development in size
- "- general color of skin
- "- adequate tenderness to pressure on apex
- smell

The above criteria may be considered individually or related to each other."

(iii) Changes made in the Table of Characteristics:

Characteristic

- 10 to have the Notes changed into "3, 5, 7"
- 14 to receive drawings to be prepared by the experts from Spain
- 17, 18 to have the word "color" replaced by "ground color"
- 19 to be replaced by two characteristics, the first reading: "Fruit: length" with all the nine states of the scale from "very short" to "very long," and the second reading: "Fruit: diameter" with the states "very narrow, narrow, medium, broad, very broad"
- 20 to have the state "spindle shape" replaced by "fusiform"
- 23, 24, 25 to have the word "stalk" replaced by "pedicel"
- 25 to be split into two characteristics, the first with the states "absent, present" and the second with the states "weak, medium, strong"
- 26 to read: "Fruit: shape of base" with the states "pointed, rounded, flattened"
- 27 to have the same states as 26
- 29, 30 to be deleted
- 31 to read: "Fruit: grooves"
- 32 to read: "Fruit: depth of grooves" with the states "very shallow, shallow, medium, deep, very deep"
- 33 to have the word "ribs" replaced by "grooves"; after this characteristic a new characteristic to be inserted reading: "Fruit: width of grooves" with the states "narrow, medium, broad"
- 35, 36 to be combined in one characteristic reading: "Fruit: intensity of netting" with the states "absent or very weak, weak, medium, strong, very strong"
- 37, 38 to have the word "color" replaced by "ground color"
- 39 to read: "Fruit: stippling of skin"
- 40 to have the word "marks" replaced by "stippling"; after this characteristic a new characteristic with an asterisk to be inserted reading: "Fruit: color of grooves" with the states "white, yellow (Ogen), green"
- 41 to read: "Fruit: color of grooves compared with color of skin if both colors are alike" with the states "lighter, similar, darker"
- 43 to read: "Fruit: maximum width of pericarp in cross-section"
- 44 the experts from Spain to define the time of observation
- 45 to have the states "cream (1), green (2), orange (3)"; after this characteristic a new characteristic to be inserted reading: "Fruit: intensity of main color of flesh" with the states "light, medium, dark"
- 46 to be replaced by two characteristics with the same states as characteristic 45 and the new characteristic inserted after 45 and to read: "Fruit: color of flesh close to skin" and "Fruit: intensity of color of flesh close to skin"
- 47 to be deleted
- 48 to be kept for the time being, but to be checked by the experts from Spain
- 50 to have the asterisk deleted; if this characteristic is used care would have to be taken with seed from hybrids which might be different depending on which of the lines is used as the female parent

- 52 to have the states "narrow elliptic, elliptic"
- 53 to have the word "flower" replaced by "female flower"
- 55 to read: "Resistance gene FOM 1 against Fusarium oxysporum f. melonis"
- 56 to read: "Resistance gene FOM 2 against Fusarium oxysporum f. melonis"
- 57 to read: "Resistance gene FOM 1 and FOM 2 against Fusarium oxysporum f. melonis" (the expert from France to indicate the testing method); after this characteristic two new characteristics to be inserted, the first reading: "Resistance to cucumber mosaic virus (CMV) with the states "absent, present" (the experts from Israel to indicate the testing method), and the second reading "Resistance to melon mosaic virus (MMV)" (the experts from Israel to indicate the testing method)

(iv) The Working Party also noted proposals for several example varieties as given by the experts from Spain in a separate paper in which the name "Charentais" was always replaced by "Doublon" and in which the example variety "Bola de Oro" for characteristic 25 was deleted and, with regard to characteristic 45, the example varieties from Notes 1 and 2 were combined for Note 1 and the example varieties "Imperial PMR-45" and "Harvest Queen" combined for Note 3.

(v) In the Technical Questionnaire, in paragraph 5, characteristics 16, 20, 31, 37 and 45 would be mentioned and in paragraph 7.1 resistance to the two virus diseases included in the Table of Characteristics.

(vi) The Working Party considered it necessary to have a further discussion on the working paper before it could be sent to the professional organizations for comments. A new draft containing the result of the discussions during the session would therefore be established by the Office of UPOV which would also include methods for the testing of resistance to virus diseases. This draft would be sent to the members of the Working Party with a request for comments to be sent by the end of the year to Mr. Diaz (Spain), who would combine them in one document to be circulated by the Office of UPOV at the end of January 1984.

#### Test Guidelines for Endive and for Leaf Beet

12. Owing to lack of time the Working Party could not discuss the working papers on Test Guidelines for Endive and for Leaf Beet and reported the discussions to its next session.

#### Comparison of Variety Descriptions

13. The discussions were based mainly on document TWV/XVI/9, which contained a summary of documents TWV/XVI/2, TWV/XVI/3 and TWV/XVI/5. The experts gave some additional information and made certain corrections to that summary paper before discussing the question of comparison of pea variety descriptions. The Working Party finally concluded that the comparison was not too disappointing although many differences had indeed been seen; however, these could in several cases have been the result of the different offices not using the same plant material; moreover many variety descriptions had been prepared a long time previously, and thus often were not yet based on UPOV Test Guidelines. It was therefore agreed that 12 pea varieties would be selected and that seed of those varieties from one single sample would be distributed to all member States willing to participate in the trial. The experts from the Netherlands would select the 12 varieties and also undertake the distribution of the seed to the other member States. They would however require the experts from France and the Federal Republic of Germany to help them obtain sufficient seed from varieties belonging to French or German breeders. Each country would receive 100g for each variety and at the same time a list of selected characteristics out of the UPOV Test Guidelines, to be observed in this comparison trial. Resistance characteristics would therefore be excluded. The Office of UPOV would circulate the list of varieties and list of characteristics to all member States, asking them to inform it whether they were willing to participate in that trial. The beginning of July 1983 was fixed as the deadline for the distribution of the list and July 15, 1983, as the deadline for the replies on participation. Replies are to be addressed direct to Mr. Kies (Netherlands).

14. In this connection a problem regarding disease resistance characteristics was mentioned. If in a given country those characteristics were not tested and variety descriptions were silent on the matter, other countries which did undertake tests for resistance would be confronted with certain problems where the breeder applied for the protection of a new variety for which he claimed resistance to diseases. The experts from France considered this a serious problem which would require discussion in the Technical Committee.

#### Study on How Tests are Carried Out in the Individual Member States

15. The Working Party noted the information contained in documents TWV/XVI/7 and TWV/XVI/7 Add. It first discussed the possibility of each member State selecting one species and trying to prepare for that species a common proposal for the different methods which should be aimed at by all member States. It appeared that this would be too ambitious a start, however, and therefore the Working Party finally decided to begin with one species, selecting tomato as the most appropriate one because the Test Guidelines for Tomato were in any case undergoing revision. The experts from the Netherlands would therefore, by the end of January, prepare a proposal for harmonization which in their view could be followed by most other member States and would circulate it via the UPOV Office to all other member States for comments. This proposal and the comments would then form the basis for discussion of this subject during the coming session of the Working Party.

#### Decision on Tolerances for Inbred Plants

16. The discussions were based on Table 4 of Annex I of document TWA/XII/4 Rev., which contained the answers on a questionnaire circulated to the members of the Technical Working Party. Only three member States had answered the circular, but the experts from the United Kingdom informed the Working Party that for their country about 12% of inbred plants would be tolerable. In France, according to the information given during the meeting, no difference would be made between off-types and inbred plants, but for hybrids a higher tolerance rate applied which would be 50% higher than that laid down by UPOV in the General Introduction to the Test Guidelines for mainly self-pollinated varieties. During the discussion of the subject it eventually emerged that it was not possible for the majority of member States to follow the request of the Technical Committee to fix--as specified in the General Introduction to the Test Guidelines--a maximum number of inbred plants tolerated for each of the species for which Test Guidelines have been adopted. The majority of the member States were also unable to agree that the main criteria for fixing the tolerance for inbred plants should--as laid down in the General Introduction to the Test Guidelines (see document TG/1/2, paragraph 33)--be that the percentage of inbred plants should not be so high as to interfere with the trials.

#### Stabilization of Latin Names by ISTA

17. The Working Party noted the information given at the end of Annex III of document TWA/XII/4 Rev., which reproduces the answers received by the Office of UPOV on the questionnaire circulated to the members of the Working Party. The Working Party further noted, and agreed with, the information given by Mr. Schneider that he had already prepared a full list of species which had not yet been stabilized and which in at least one of the UPOV member States were eligible for plant variety protection. He had sent the list to the ISTA Nomenclature Committee for stabilization.

#### List of Standardized Reference Books and Documents

18. The Working Party noted the information received by the Office of UPOV in reply to a questionnaire circulated to the members of the Working Party, which is reproduced on page 6 of Annex IV of document TWA/XII/4 Rev. The Working Party concluded from its discussion on the subject that it might be useful to establish such a list of standardized books and documents but that, in order to achieve a better response, it would be preferable for one or two countries to prepare a first list which would then be distributed to the other members of the Working Party, with a request for inclusions, so that they would already have an idea of what type of document should be included in that list. The experts from the United Kingdom and the Netherlands would prepare the first draft of the list, which should then be distributed to the other experts for further inclusions.

Important Characteristics and Criteria for Inclusion in the Test Guidelines

19. The Working Party noted the information received by the Office of UPOV in reply to the questionnaire on the above subject, which is reproduced in document TWA/XII/4 Rev., Annex II, page 5. It was widely agreed that this circular had requested too much information and that therefore many countries had not replied to it at all. It was moreover considered too early to make such a study. As it had become apparent that at present many member States did not yet even use the UPOV Test Guidelines for testing, the Working Party stressed that the first aim should be to reach a stage where all member States really used the UPOV Test Guidelines adopted so far, and it would only then be worth while to ask for more. In addition, the Working Party agreed that at the time of revision of Test Guidelines or the preparation of new ones, these criteria would have to be considered.

Status of Test Guidelines

20. The Working Party agreed that the draft Test Guidelines for Leek should be sent to the Editorial Committee and the Technical Committee for final adoption.

21. The Working Party agreed that the draft Test Guidelines for Curly Kale should be sent to the professional organizations for comments.

22. The Working Party agreed that the amendments to the working papers on Test Guidelines for Broad Bean and Field Bean and for Turnip should be presented to the Technical Working Party for Agricultural Crops. Depending on the proposals for amendments to the working paper on Test Guidelines for Broad Bean and Field Bean made by the Technical Working Party on Agricultural Crops, that document might also be presented to the professional organizations for comments.

23. The Working Party agreed that the working papers on Test Guidelines for Endive, for Leaf Beet, for Turnip (revision) and for Melon would require further discussions during the coming session.

Future Program, Date and Place of Next Session

24. The Working Party recalled the provisional proposal made at its last session that the 1984 session of the Technical Working Party should be held in Israel. The experts from Israel confirmed that proposal, which it had made during the last session, and the seventeenth session of the Technical Working Party for Vegetables will therefore be held in Bet Dagan, Israel, from June 11 to 15, 1984. During that session the following items are scheduled for discussion:

- (i) Final discussion on Draft Test Guidelines for Curly Kale (document TG/../(proj.) and comments from professional organizations)
- (ii) Discussion on Working Papers on Test Guidelines for:
  - Broad Bean (revision) (comments from TWA)
  - Endive (draft dated 1981-04-15)
  - Leaf Beet (document TWV/XVI/13)
  - Melon (UPOV to prepare a new draft, comments be sent to Mr. Diaz by the end of 1983, and to be circulated by the end of January 1984)
  - Swede (GB (TWA) to prepare a new working paper)
  - Tomato (revision) (NL to combine remarks to be received by the end of June)
  - Turnip (revision) (document to be prepared by TWA)
  - Water Melon (IL to prepare a working paper by the end of September)
  - Summer Squash (Zucchini) (IL to prepare a working paper by the end of September)
  - Aubergine (FR to prepare a working paper by the end of September)
  - Asparagus (NL to prepare a working paper, if possible)
- (iii) Comparison of Pea Variety Descriptions (report on trials, a list to be circulated by July 1, answers on who participates to be given by July 15)

- (iv) Study on How Tests are Done in the Individual Member States  
(NL to prepare a proposal for harmonized methods for Tomato by the end of January 1984)
- (v) List of Standardized Reference Books and Documents  
(GB and NL to prepare a preliminary list by the end of December for further additions)

#### Visits

25. During the afternoon of May 31, 1983, the Working Party visited the field trials in "La Alfranca," the experimental farm of the Instituto Nacional de Semillas y Plantas de Vivero near Zaragoza.

26. This report, in the absence of any suggestions for modifications, is considered as adopted, in accordance with Rule 37(5) of the Rules of Procedure of the Council.

[Three Annexes follow]

TWV/XVI/14

## ANNEX I

LIST OF PARTICIPANTS IN THE  
TECHNICAL WORKING PARTY FOR VEGETABLES,  
ZARAGOZA, SPAIN, MAY 30 TO JUNE 1, 1983I. MEMBER STATESFRANCE

- Mr. J. BROSSIER, INRA/GEVES, Domaine d'Olonne, Les Vignères, B.P. 1,  
84300 Cavaillon (tel. 090 712 685)
- Mr. R. BRAND, INRA/GEVES, Domaine d'Olonne, Les Vignères, B.P. 1,  
84300 Cavaillon (tel. 090 712 685)

GERMANY (FED. REP. OF)

- Mr. J. HABBEN, Bundessortenamt, Osterfelddamm 80, 3000 Hannover 61  
(tel. 0511 57041)

ISRAEL

- Mr. B. BAR-TEL, Division of Seed Research, Agricultural Research  
Organization, Volcani Centre, P.O.B. 6, Bet-Dagan 50250 (tel. 980465)

NETHERLANDS

- Mr. B. KIES, RIVRO, c/o IVT, Postbus 16, 6700 AA Wageningen  
(tel. 08370 19123)
- Mr. F. SCHNEIDER, RIVRO, c/o IVT, P.B. 16, 6700 AA Wageningen  
(tel. 08370-19123)

SOUTH AFRICA

- Mr. D. CARSTENS (G.J.), South African Embassy, 59 Quai d'Orsay, 75007 Paris,  
France (tel. 1 555 9237)

SPAIN

- Dr. A. CASALLO, Jefe del Centro Regional de Control, Instituto Nacional de  
Semillas y Plantas de Vivero, Vazquez de Mella 8, 9°, Zaragoza 10 (tel.  
0034-76-457106)
- Mr. E. DIAZ, Instituto Nacional de Semillas y Plantas de Vivero, Centro  
Regional de Control, Vazquez de Mella 8, 9°, Zaragoza 10 (tel.  
0034-76-457106)
- Mr. G. DIAZ, Instituto Nacional de Semillas y Plantas de Vivero, José  
Abascal 56, Madrid 3 (tel. 0034 1 441 8199)
- Mr. J.M. ELENA ROSSELLO, Jefe del Registro de Variedades, Instituto Nacional  
de Semillas y Plantas de Vivero, José Abascal 56, Madrid 3 (tel. 0034 1  
441 8199, telex 47698 INSM E)
- Mr. E. SOBRINO, Instituto Nacional de Semillas y Plantas de Vivero, Centro  
Regional de Control, Vazquez de Mella, 8, 9°, Zaragoza 10 (tel.  
0034-76-457106)

SWEDEN

Mr. P. FREDRIKSSON, Swedish Seed Testing and Certification Institute,  
Cultivar Control Unit, Box 1713, 22 101 Lund (tel. 046 124520)

UNITED KINGDOM

Mr. J.L. EVANS, National Institute of Agricultural Botany, Huntingdon Road,  
Cambridge CB3 0LE (tel. 0223 276381; telex 817455)

II. OFFICER

Mr. F. SCHNEIDER, Chairman

III. OFFICE OF UPOV

Dr. M.-H. THIELE-WITTIG, Senior Counsellor, 34, chemin des Colombettes,  
1211 Geneva 20, Switzerland (tel. 022 99 91 52)

[Annex II follows]

TWV/XVI/14

## ANNEX II

S P A I N.REPORT ON THE PROGRESS MADE IN THE FIELD OF PLANT BREEDERS -  
RIGHTS IN VEGETABLES.

By Ministerial Order dated 26<sup>th</sup> of May 1982, the protection for new plant varieties of broad beans, french beans and peas has been opened.

Until the 29<sup>th</sup> of April 1983 the following applications have been presented:

Broad beans .....	11
French beans .....	14
Peas .....	<u>5</u>
TOTAL ..	30

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May, 1983.

[Annex III follows]

PROGRESS REPORT SUBMITTED BY THE DELEGATE

OF THE UNITED KINGDOM

1) The United Kingdom offer Plant Breeders' Rights in the following vegetable species:-

Beetroot	Marrow
Brussels Sprouts	Lettuce
Cauliflowers	Pea
Celery, Celeriac	Turnip
Savoy Cabbage	French Bean
White Cabbage	Runner Bean
Red Cabbage	Broad Bean

2) The number of new entries for Plant Breeders' Rights in vegetables in the 1982/83 growing season were as follows:-

SPECIES	UK REF NO	DATE APPLICATION ACCEPTED	NAME OR BREEDERS REFERENCE NUMBER	BREEDER	REMARKS
French Bean	AFP 12/247	26.10.82	NERINE	Royal Sluis	
	AFP 12/248	26.10.82	BOURDON	Royal Sluis	
	AFP 12/249	26.10.82	OVATION	Royal Sluis	
	AFP 12/250	17.11.82	XB-B-124(LABRADOR)	Asgrow	
	AFP 12/251	12. 1.83	EPOCH	Wilbur-Ellis	
	AFP 12/253	30. 3.83	JUMBO(H373-1-1-1)	Gallatin Valley	
Runner Beans	AFP 22/46	14. 1.83	DAW GS 82	Temana Bees Ltd	
Broad Beans	AFP 21/103	1.12.83	ALBINETTE	Holland Select	
Cauliflowers	AFP 59/186	29. 4.82	MW 3/81	T V Seeds Ltd	
	AFP 59/187	29. 4.82	LW 4/51	T V Seeds Ltd	
Lettuce	AFP 19/251	20. 4.82	SORAYA	Rijk-Zwaan	
	AFP 19/252	26.11.82	A 3085	NSDO/GCRI	
	AFP 19/253	26.11.82	A 3019	NSDO/GCRI	
	AFP 19/254	2. 2.83	RS 802992	Royal Sluis	

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ANNEX III

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SPECIES	UK REF NO	DATE APPLICATION ACCEPTED	NAME OR BREEDERS REFERENCE NUMBER	BREEDER	REMARKS
Peas	AFP 11/412	26.10.82	77 RS 221	Royal Sluis	
	AFP 11/413	5.11.82	ARISTAGREEN	Wilbur-Ellis	
	AFP 11/414	5.11.82	VALGREEN	Wilbur-Ellis	
	AFP 11/415	13.12.82	NORGE	Pureline Seeds/Sharpe	
	AFP 11/416	26.11.82	ARICA	H Schafer	
	AFP 11/417	26.11.82	HUNTER	H Schafer	
	AFP 11/418	22.11.82	CEBECO 632	Cebeco	
	AFP 11/419	22.11.82	CEBECO 635	Cebeco	
	AFP 11/420	17.11.82	XP-F 138	Asgrow	
	AFP 11/421	17.11.82	XP-F 137	Asgrow	
	AFP 11/422	17.11.82	XP-F 139	Asgrow	
	AFP 11/423	1.12.82	533-PAH 7	Sharpes	
	AFP 11/424	12. 1.83	MIDGET	Wilbur-Ellis	
	AFP 11/427	26. 1.83	TINA (PS 1301)	Wilbur-Ellis	
	AFP 11/428	10. 2.83	HOLIDAY	Agrigenetics	
	AFP 11/429	21. 3.83	HONEY POD	Rogers Bros/Johnsons	
	AFP 11/430	30. 3.83	STRINGLESS SUGAR SNAP 1	Gallatin Valley	
	AFP 11/431	30. 3.83	STRINGLESS SUGAR SNAP II	Gallatin Valley	
AFP 11/432	30. 3.82	SUPER SUGAR MEL	Gallatin Valley		
AFP 11/433	30. 3.83	FRIDGIT (H 783-29)	Gallatin Valley		
Turnips	AFP 57/71	22.11.82	ARAX	Zwaan et de Wiljes	
Oenothera	AFP 102/5	13.12.82	444	Hurst Gunson	
* Field Beans	AFP 33/35	1.12.82	BRUNO	Hans-Georg Lembke	

\* Although these are agricultural species, for PBR purposes they are tested against the relevant vegetable species.

SPECIES	UK REF NO	DATE APPLICATION ACCEPTED	NAME OR BREEDERS REFERENCE NUMBER	BREEDER	REMARKS
* Field Peas	AFP 84/57	19.11.82	CEBECO 209	Cebeco	
	AFP 84/58	19.11.82	CEBECO 105	Cebeco	
	AFP 84/59	24.11.82	COUNTESS	Hurst Gunson	
	AFP 84/60	24.11.82	COLT	Hurst Gunson	
	AFP 84/61	24.11.82	REGENT	Hurst Gunson	
	AFP 84/64	1.12.82	SINNA	PBI of Hankkija	
	AFP 84/65	1.12.82	TAMMI	PBI of Hankkija	
	AFP 84/66	26. 1.83	BOHATYR	Oseva Ukzuk	

\* Although these are agricultural species, for PBR purposes they are tested against the relevant vegetable species.