



TWA/29/4

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**TECHNICAL WORKING PARTY
FOR
AGRICULTURAL CROPS**

**Twenty-Ninth Session
Uppsala, Sweden, June 27 to 30, 2000**

DRAFT REPORT ON THE SUBGROUP MEETING ON TURNIP RAPE HELD IN
LANDSKRONA, SWEDEN, FEBRUARY 10 AND 11, 2000

prepared by the Office of the Union

Opening of the Meeting

1. The meeting was held in the Öresund Hotel in Landskrona, where the participants were welcomed by Mr. Ulf Kjelstrom from the Swedish Seed Testing and Cert. Institute. The meeting was opened by Mrs. Françoise Blouet, Chairperson of the Technical Working Party for Agricultural Crops. The list of participants appears in Annex I to this report.

Revision of the Test Guidelines for Turnip Rape

2. Discussions were based on document TWA/29/2, prepared by experts from Finland. The Subgroup eventually made the following main changes in document TWA/29/2:

(i) Subject of these Guidelines: The Subgroup decided to check the proper name of the crop. The expert from the United Kingdom proposed by correspondence the following: *Brassica rapa* L. var. *silvestris* (Lam.) Briggs.

(ii) Material Required: The Subgroup agreed to change the quantity of material to 300 gr. and to delete the word “certified” because there is no seed of that category on vegetable types of turnip rape. The Subgroup considered that leaving the requirement for germination capacity, moisture content and purity for “marketing seed” it covered standard seed for vegetable types of turnip rape and certified seed for the others for which that category exists.

(iii) Conduct of Tests: Paragraph 3 to have the fourth sentence as follows: “As a minimum each test should include a total of 500 plants.”

(iv) Methods and Observations: Paragraphs 1 to 4 to be reworded and renumbered as follows:

“1. Unless otherwise indicated, in the case of plant-by-plant assessment of distinctness and uniformity, all observations determined by measurements or counting should be made on 60 plants or parts of 60 plants.

2. In the case of visual assessment of distinctness and uniformity by a single observation of a group of plants or parts of plants, observations should be made on 500 plants or parts of 500 plants.

3. For the assessment of uniformity of open-pollinated varieties and synthetic varieties, the variability within the variety should not exceed the variability of comparable varieties already known. Interpretation of results should be made according to the rules for cross-pollinated species as laid down in the General Introduction to DUS Tests. In the case of clear off-types, a population standard of 2% with an acceptance probability of at least 95% should be applied. For the assessment of uniformity of parental lines, a population standard of 2% with an acceptance probability of at least 95% should be applied. For the assessment of uniformity of hybrids a population standard of 10% with an acceptance probability of at least 95% should be applied.

4. Unless otherwise indicated, all observations on the foliage should be made on fully developed leaves in the rosette.

5. Unless otherwise indicated, all observations on siliquas should be made on the fully developed siliqua from the lower third on the main stem.”

(v) Grouping Characteristics: To modify the list of characteristics according to the modifications in the Table of Characteristics and to add the new characteristic “Leaf: type.”

(vi) Characteristics and Symbols: To have the following sentence at the end of paragraph 2: “For certain characteristics, different example varieties, separated by a semicolon, are indicated for spring rape and winter rape. Where winter varieties are indicated they follow the semicolon.”

Add the following sentence at the end of paragraph 3 Legend:

“The letters indicate the following:

M: actual measurement

VG: visual assessment by a single observation of a group of plants or parts of plants

VS: visual assessment by observations of a number of individual plants or plant parts

S: special test”

(vi) Table of Characteristics

1 to 4 To be recorded in a “Special Test”

5 To be deleted

6 to 8 (included) To be recorded at stages 21-27 of the “new key for growing stages,” and VG for observation

9 To be recorded at stages 21-27 of the “new key for growing stages,” to be reworded “Leaf: type,” with states of expression “entire (note 1) and lobed (note 2),” VS for observation and to add asterisk

10 To be recorded at stages 21-27 of the “new key for growing stages,” to be reworded “Leaf: number of lobes (for varieties with lobed leaves only),” VS for observation. New drawings for characteristic 10 will be provided by the expert from Germany

11 To be recorded at stages 21-27 of the “new key for growing stages,” to be reworded “Leaf: incisions of blade (for varieties with entire leaves only),” VS for observation

12 and 13 (included) To be recorded at stages 21-27 of the “new key for growing stages,” and VS for observation.

14 To be recorded at stages 21-27 of the “new key for growing stages,” VS for observation and to add asterisk

15 To be recorded at stages 21-27 of the “new key for growing stages,” VS for observation

16 to 19 (included) To be deleted

20 To add VG for observation

21 To add VG for observation and to delete the asterisk

22 To be deleted

23 and 24 To be merged in one single characteristic

25 To be recorded at stages 62-63 of the “new key for growing stages” and VG for observation

- 26 and 27 To be recorded at stages 62-63 of the “new key for growing stages” and VS for observation
- 28 To be recorded at stages 62-63 of the “new key for growing stages” and VS/VG for observation
- 29 To be deleted
- 30 To be reworded “Plant: total length including side branches,” to be recorded at stages 75-89 of the “new key for growing stages,” notes for the states of expression to be changed to 3, 5, 7 and VS for observation
- 31 to 33 (included) To be deleted
- 34 To be reworded “Siliqua: length (between pedicel and beak),” to be recorded at stages 75-89 of the “new key for growing stages,” and VS for observation
- 35 States of expression to be reworded “ narrow (note 3), medium (note 5) and broad (note 7),” to be recorded at stages 75-89 of the “new key for growing stages,” and VS for observation
- 36 To be recorded at stages 75-89 of the “new key for growing stages,” and VS for observation
- 37 To be reworded “Siliqua: length of pedicel,” to be recorded at stages 75-89 of the “new key for growing stages,” and VS for observation
- 38 To be reworded “Seed: ratio of yellow seeds”

New Characteristic: After 37 add new characteristic 38 “Yellow seed” with states of expression “absent (note 1) and present (note 9).

Example Varieties: The Subgroup decided that experts will send example varieties to the expert from Finland to prepare a new draft.

(viii) Explanations on the Table of Characteristics: The Subgroup decided to have new drawings provided by the expert from Germany for Add. 9 and 10 and to use the same Key for Growing Stages as for the document TG/36/6 (Rape Seed).

(ix) Literature: No specific literature to be included.

(x) Technical Questionnaire: To replace “Oleifera” by “Silvestris” and to add the following :

1.1 Forma *ibernalis* []

1.2 Forma *aestiva* []

To reword item 4 as follows:

“4. Information on origin, maintenance and reproduction of the variety

4.1 Type of material

- (a) inbred line
 - male sterile line []
 - male fertile line []
- (b) hybrid
 - male sterile hybrid []
 - male fertile hybrid []
 - three way cross hybrid []
- (c) open-pollinated variety []
- (d) synthetic variety []
- (e) other (please indicate) []

.....

4.2 Formula (if applicable, for each component in separate sheets, the information according to the following Chapters 5 to 7 to be added)

Single hybrid

- Denomination or breeder’s reference of female parental line
- Denomination or breeder’s reference of male parental line

Three-way hybrid

Denomination or breeder’s reference of:

- single hybrid used
- female parental line of the single hybrid
- male parental line of the single hybrid
- female parent of the three-way hybrid
- male parental line of the three-way hybrid

NB: In case of use of male sterility system, indicate the name of the maintainer line of the female parental line

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In case of use of self-incompatibility system, indicate, if applicable, the name of the self-compatible lines

.....

4.3 Genetic origin and breeding method

4.4 Other information on genetic origin and breeding method”

[Annex follows]

LIST OF PARTICIPANTS

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