

**TWV/33/10****ORIGINAL:** English**DATE:** June 9, 1999

**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
GENEVA

**TECHNICAL WORKING PARTY FOR VEGETABLES**

**Thirty-Third Session**  
**Hanover, Germany, July 5 to 9, 1999**

**PROPOSED REVISIONS TO THE WORKING PAPER ON TEST GUIDELINES  
FOR TURNIP FOLLOWING COMMENTS FROM THE SUBGROUP EXPERTS**

*Document prepared by experts from the United Kingdom*

**Comments received from the Turnip expert subgroup on discussion document TWV/32/3 (revised)**

1. Comments on options for handling Turnip and Turnip Rape *and the UK response*

Option 1

Sweden Chosen option as there a number of characteristics which justify separation of Turnip and Turnip Rape: different requirements for seed, trial design, number of plants grown and measured, different characteristics (root). No need for floral and pod characters for Turnips.

*Floral and pod characters are necessary to distinguish some Turnips*

The Netherlands (CPRO-DLO) This is a workable option

The Netherlands (NAKG) In favour of two separate guidelines.

Germany Essentially we can agree with Sweden: in favour of two separate guidelines for Turnip and Turnip Rape. Turnip Rape is closer to Oilseed Rape than to Turnip.

Option 4

The Netherlands Might be a good option but prefer option 1.

*The proposal to have guidelines for*

*i Turnip including Stubble Turnips*

*ii Turnip Rape (including Forage Rape and Winter and Spring Oilseed Rape)*

*is generally accepted by the subgroup.*

2. Comments on TWV/32/3 revised

VII Table of characteristics

Why were old 5, 45, 48, 49, 50 deleted? They are useful.

Old 5	First leaf: hairiness on margin	very sparse	1
		sparse	3
		medium	5
		dense	7
		very dense	9

*This char. involves high recording input for limited discrimination, but can be retained if required.*

Old 45	Plant: length of stem	short to medium	4
		medium	5
		medium to long	6

*The char. has a small range, but can be retained if required.*

Old 48	Siliqua: length between peduncle and beak	short	3
		medium	5
		long	7

*This char. has been reinstated in the working paper as UK would like to retain  
Should peduncle be pedicel?*

Old 49	Siliqua: length of beak	short	3
		medium	5
		long	7

*This char. has been reinstated in the working paper as UK would like to retain*

Old 50	Siliqua: length of peduncle	short	3
		medium	5
		long	7

*This char. has been reinstated in the working paper as UK would like to retain  
Should peduncle be pedicel?*

7 and 9 Check spelling in German text  
*For TWV to correct where necessary*

33 Propose: Plant: height at start of flowering, rather than Plant: height at first flowering. Can accept either, but first flowering is more precise.

34 Propose: Time of flowering (without any qualification)  
The additional qualification was designed to record flowering in the first year.  
The range of expression and thus discrimination is reduced if flowering follows over-winter growth.

35 No comments or additional notes see TWA/27/13  
Extra notes exist (milky yellow and orange) but expression is limited to off-type plants rather than varieties.

36 Only 3 notes needed  
*UK could agree to 3 notes*

3. Proposal for additional characteristics

Pollen production	<i>Not relevant for Turnip?</i>
Plant height at full flowering	<i>There is little difference between Plan: height at first flowering and Plan: height at full flowering. Propose Plant: height at first flowering and Plant: height after flowering as the most useful characteristics.</i>
Plant: height after flowering	<i>Reinstated</i>
Siliqua: length	<i>Reinstated</i>
Siliqua: length of beak	<i>Reinstated</i>
Siliqua: length of peduncle	<i>Reinstated</i>
Siliqua: anthocyanin coloration	<i>Not very useful for Turnip?</i>
Seed color	additional notes, or present as two separate characters as in TWA/27/13.  <i>Not relevant for Turnip as there are no yellow seeded varieties in Turnip (<i>Brassica rapa</i> L. var. <i>rapa</i>).</i>

4. Comments on Annex to TWV/32/3

Part 1. Sweden

Agree on Plant height  
Agree on Siliqua characters

The Netherlands

Agree on root: speed of formation  
Agree that plant height at first flowering can be different from plant height after flowering  
Agree on silqua characteristics

Part 2. Sweden

Primax and the stubble turnip types are very rare and could be included in the right guideline by common sense

*There are still several varieties of forage rape and stubble turnip grown in some countries. If material is assessed on spring sown trials, root formation will be maximised. This should aid the correct classification of Turnip and Turnip Rape and identify the most appropriate guideline for testing.*

The Netherlands

Agree on the last lines of page 1

Agree on the methods and observations

Agree on leaf lobing (CPRO-DLO)

Agree on leaf lobing, although difference is still difficult to assess (NAKG)

Do we really need to expand Root: shape? (CPRO-DLO)

*The existing shapes do not accommodate the full range of variation for this character. Additional shapes are added.*

Agree on last line of page 2

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