



## **PROTOCOL FOR TESTS ON DISTINCTNESS, UNIFORMITY AND STABILITY**

***Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *gongylodes* L.;**  
***Brassica oleracea* L. *gongylodes* Group**

### **KOHLRABI**

UPOV Code: BRASS\_OLE\_GGO

**Adopted on 15/03/2017**

**Entry into force on 01/01/2017**

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## **1. SUBJECT OF THE PROTOCOL AND REPORTING**

### **1.1 Scope of the technical protocol**

This Technical Protocol applies to all varieties of *Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *gongylodes* L. (*Brassica oleracea* L. *Gongylodes* Group).

The protocol describes the technical procedures to be followed in order to meet the requirements of Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on documents agreed by the International Union for the Protection of New Varieties of Plants (UPOV), such as the General Introduction to DUS (UPOV Document TG/1/3 [http://www.upov.int/en/publications/intro\\_dus.htm](http://www.upov.int/en/publications/intro_dus.htm)), its associated TGP documents (<http://www.upov.int/en/publications/tgp/>) and the relevant UPOV Test Guideline TG/65/4 Rev. dated 16/03/2016 (<http://www.upov.int/edocs/tgdocs/en/tg065.pdf>) for the conduct of tests for Distinctness, Uniformity and Stability.

### **1.2 Entry into Force**

The present protocol enters into force on **01.01.2017**. Any ongoing DUS examination of candidate varieties started before the aforesaid date will not be affected by the approval of the Technical Protocol. Technical examinations of candidate varieties are carried out according to the TP in force when the DUS test starts. The starting date of a DUS examination is considered to be the due date for submitting of plant material for the first test period.

In cases where the Office requests to take-over a DUS report for which the technical examination has either been finalized or which is in the process to be carried out at the moment of this request, such report can only be accepted if the technical examination has been carried out according to the CPVO TP which was in force at the moment when the technical examination started.

### **1.3 Reporting between Examination Office and CPVO and Liaison with Applicant**

#### **1.3.1 Reporting between Examination Office and CPVO**

The Examination Office shall deliver to the CPVO a preliminary report ("the preliminary report") no later than two weeks after the date of the request for technical examination by the CPVO.

The Examination Office shall also deliver to the CPVO a report relating to each growing period ("the interim report") and, when the Examination Office considers the results of the technical examination to be adequate to evaluate the variety or the CPVO so requests, a report relating to the examination ("the final report").

The final report shall state the opinion of the Examination Office on the distinctness, uniformity and stability of the variety. Where it considers those criteria to be satisfied, or where the CPVO so requests, a description of the variety shall be added to the report. If a report is negative the Examination Office shall set out the detailed reasons for its findings.

The interim and the final reports shall be delivered to the CPVO as soon as possible and no later than on the deadlines as laid down in the designation agreement.

#### **1.3.2 Informing on problems in the DUS test**

If problems arise during the course of the test the CPVO should be informed immediately so that the information can be passed on to the applicant. Subject to prior permanent agreement, the applicant may be directly informed at the same time as the CPVO particularly if a visit to the trial is advisable.

#### **1.3.3 Sample keeping in case of problems**

If the technical examination has resulted in a negative report, the CPVO shall inform the Examination Office as soon as possible in case that a representative sample of any relevant testing material shall be kept.

## **2. MATERIAL REQUIRED**

### **2.1 Plant material requirements**

Information with respect to the agreed closing dates and submission requirements of plant material for the technical examination of varieties can be found on/

<http://www.cpvo.europa.eu/main/en/home/documents-and-publications/s2-gazette>

in the special issue S2 of the Official Gazette of the Office. General requirements on submission of samples are also to be found following the same link.

## **2.2 Informing the applicant of plant material requirements**

The CPVO informs the applicant that

- he is responsible for ensuring compliance with any customs and plant health requirements.
- the plant material supplied should be visibly healthy, not lacking in vigour, nor affected by any important pest or disease.
- the plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

## **2.3 Informing about problems on the submission of material**

The Examination Office shall report to the CPVO immediately in cases where the test material of the candidate variety has not arrived in time or in cases where the material submitted does not fulfil the conditions laid down in the request for material issued by the CPVO.

In cases where the examination office encounters difficulties to obtain plant material of reference varieties the CPVO should be informed.

## **3. METHOD OF EXAMINATION**

### **3.1 Number of growing cycles**

The minimum duration of tests should normally be two growing cycles.

The two independent growing cycles should be in the form of two separate plantings.

### **3.2 Testing Place**

Tests are normally conducted at one place. In the case of tests conducted at more than one place, guidance is provided in TGP/9 "Examining Distinctness"

[http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp\\_9\\_1.pdf](http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp_9_1.pdf).

### **3.3 Conditions for Conducting the Examination**

The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.

#### **Stage of development for the assessment**

The optimum stage of development for the assessment of each characteristic is indicated by a number in the third column of the Table of Characteristics. The stages of development denoted by each number are described in Chapter 8.3

### **3.4 Test design**

3.4.1 Each test should be designed to result in a total of at least 60 plants, which should be divided between at least 2 replicates.

3.4.2 The design of the tests should be such that plants or parts of plants may be removed for measurement or counting without prejudice to the observations which must be made up to the end of the growing cycle.

### **3.5 Additional tests**

In accordance with Article 83(3) of Council Regulation No. 2100/94 an applicant may claim either in the Technical Questionnaire or during the test that a candidate has a characteristic which would be helpful in establishing distinctness. If such a claim is made and is supported by reliable technical data, an additional test may be undertaken providing that a technically acceptable test procedure can be devised.

Additional tests will be undertaken, with the agreement of the President of CPVO, where distinctness is unlikely to be shown using the characters listed in the protocol.

### **3.6 Constitution and maintenance of a variety collection**

The process for the constitution and the maintenance of a variety collection can be summarized as follows:

Step 1: Making an inventory of the varieties of common knowledge

Step 2: Establishing a collection ("variety collection") of varieties of common knowledge which are relevant for the examination of distinctness of candidate varieties

Step 3: Selecting the varieties from the variety collection which need to be included in the growing trial or other tests for the examination of distinctness of a particular candidate variety.

#### **3.6.1 Forms of variety collection**

The variety collection shall comprise variety descriptions and living plant material, thus a living reference collection. The variety description shall be produced by the EO unless special cooperation exists between EOs and the CPVO. The descriptive and pictorial information produced by the EO shall be held and maintained in a form of a database.

#### **3.6.2 Living Plant Material**

The EO shall collect and maintain living plant material of varieties of the species concerned in the variety collection.

#### **3.6.3 Range of the variety collection**

The living variety collection shall cover at least those varieties that are suitable to climatic conditions of a respective EO.

#### **3.6.4 Making an inventory of varieties of common knowledge for inclusion in the variety collection**

The inventory shall take into account the list of protected varieties and the official, or other, registers of varieties, in particular:

The inventory shall include varieties protected under National PBR (UPOV contracting parties) and Community PBR, varieties registered in the Common Catalogue, the OECD list, the Conservation variety list and varieties in trade or in commercial registers for those species not covered by a National or the Common Catalogue.

#### **3.6.5 Maintenance and renewal/update of a living variety collection**

The EO shall maintain seeds in conditions which will ensure germination and viability, periodical checks, and renewal as required. For the renewal of existing living material the identity of replacement living plant material shall be verified by conducting side-by-side plot comparisons between the material in the collection and the new material.

## **4. ASSESSMENT OF DISTINCTNESS, UNIFORMITY AND STABILITY**

The prescribed procedure is to assess distinctness, uniformity and stability in a growing trial.

### **4.1 Distinctness**

#### **4.1.1 General recommendations**

It is of particular importance for users of this Technical Protocol to consult the UPOV-General Introduction to DUS (link in chapter 1 of this document) and TGP 9 'Examining Distinctness' ([http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp\\_9\\_1.pdf](http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp_9_1.pdf)) prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in this Technical Protocol.

Further guidance is provided in documents TGP/9 "Examining Distinctness" and TGP/8 "Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability".

#### **4.1.2 Consistent differences**

The differences observed between varieties may be so clear that more than one growing cycle is not necessary. In addition, in some circumstances, the influence of the environment is not such that more than a single growing cycle is required to provide assurance that the differences observed between varieties are sufficiently consistent. One means of ensuring that a difference in a characteristic, observed in a growing trial, is sufficiently consistent is to examine the characteristic in at least two independent growing cycles.

#### 4.1.3 Clear differences

Determining whether a difference between two varieties is clear depends on many factors, and should consider, in particular, the type of expression of the characteristic being examined, i.e. whether it is expressed in a qualitative, quantitative, or pseudo-qualitative manner. Therefore, it is important that users of these Technical Protocols are familiar with the recommendations contained in the UPOV-General Introduction to DUS prior to making decisions regarding distinctness.

#### 4.1.4 Number of plants/parts of plants to be examined

Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 40 plants or parts taken from each of 40 plants and any other observations made on all plants in the test, disregarding any off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 40

#### 4.1.5 Method of observation

The recommended method of observing the characteristic for the purposes of distinctness is indicated by the following key in the third column of the Table of Characteristics (see document TGP/9 "Examining Distinctness", Section 4 "Observation of characteristics"):

MG:	single measurement of a group of plants or parts of plants
MS:	measurement of a number of individual plants or parts of plants
VG:	visual assessment by a single observation of a group of plants or parts of plants
VS:	visual assessment by observation of individual plants or parts of plants

Type of observation: visual (V) or measurement (M)

"Visual" observation (V) is an observation made on the basis of the expert's judgment. For the purposes of this document, "visual" observation refers to the sensory observations of the experts and, therefore, also includes smell, taste and touch. Visual observation includes observations where the expert uses reference points (e.g. diagrams, example varieties, side-by-side comparison) or non-linear charts (e.g. colour charts). Measurement (M) is an objective observation against a calibrated, linear scale e.g. using a ruler, weighing scales, colorimeter, dates, counts, etc.

Type of record: for a group of plants (G) or for single, individual plants (S)

For the purposes of distinctness, observations may be recorded as a single record for a group of plants or parts of plants (G), or may be recorded as records for a number of single, individual plants or parts of plants (S). In most cases, "G" provides a single record per variety and it is not possible or necessary to apply statistical methods in a plant-by-plant analysis for the assessment of distinctness."

In cases where more than one method of observing the characteristic is indicated in the Table of Characteristics (e.g. VG/MG), guidance on selecting an appropriate method is provided in document TGP/9, Section 4.2.

## 4.2 **Uniformity**

It is of particular importance for users of this Technical Protocol to consult the UPOV-General Introduction to DUS (link in chapter 1 of this document) and TGP 10 'Examining Uniformity' ([http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp\\_10\\_1.pdf](http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp_10_1.pdf)) prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in this Technical Protocol:

The assessment of uniformity of open-pollinated varieties should be according to the recommendations for cross-pollinated varieties in the UPOV-General Introduction to DUS.

For the assessment of uniformity of hybrid varieties a population standard of 2% with an acceptance probability of 95% should be applied to off-types excluding clearly recognizable inbred plants. In the case of a sample size of 40 plants, 2 off-types are allowed.

## 4.3 **Stability**

#### 4.3.1 It is of particular importance for users of this Technical Protocol to consult the UPOV-General Introduction to DUS (link in chapter 1 of this document) and TGP 11 'Examining Stability' ([http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp\\_11\\_1.pdf](http://www.upov.int/export/sites/upov/en/publications/tgp/documents/tgp_11_1.pdf))

In practice, it is not usual to perform tests of stability that produce results as certain as those of the testing of distinctness and uniformity. However, experience has demonstrated that, for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable.

4.3.2 Where appropriate, or in cases of doubt, stability may be further examined by testing a new seed stock to ensure that it exhibits the same characteristics as those shown by the initial material supplied.

## 5. GROUPING OF VARIETIES AND ORGANIZATION OF THE GROWING TRIAL

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness are aided by the use of grouping characteristics.

5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- a) Seedling: anthocyanin coloration of cotyledons (characteristic 1)
- b) Harvest maturity (characteristic 23)
- c) Male sterility (characteristic 24)

5.4 If other characteristics than those from the TP are used for the selection of varieties to be included into the growing trial, the EO shall inform the CPVO and seek the prior consent of the CPVO before using these characteristics.

## 6. INTRODUCTION TO THE TABLE OF CHARACTERISTICS

### 6.1 Characteristics to be used

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in the table of characteristics. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted or by specific legislation on plant health. In the latter case, the CPVO should be informed.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N°874/2009, to insert additional characteristics and their expressions in respect of a variety.

#### 6.1.2 Technical Protocols with asterisked characteristics (only for certain vegetable species)

In the case of disease resistance characteristics, only those resistances marked with an asterisk (\*) in the CPVO column are compulsory.

#### States of expression and corresponding notes

In the case of qualitative and pseudo-qualitative characteristics, all relevant states of expression are presented in the characteristic. However, in the case of quantitative characteristics with 5 or more states, an abbreviated scale may be used to minimize the size of the Table of Characteristics. For example, in the case of a quantitative characteristic with 9 states, the presentation of states of expression in the Test Guidelines may be abbreviated as follows:

State	Note
small	3
medium	5
large	7

However, it should be noted that all of the following 9 states of expression exist to describe varieties and should be used as appropriate:

State	Note
very small	1
very small to small	2
small	3
small to medium	4
medium	5
medium to large	6
large	7
large to very large	8
very large	9

## 6.2 Example Varieties

Where appropriate, example varieties are provided to clarify the states of expression of each characteristic.

## 6.3 Legend

For the CPVO N° column:

G	Grouping characteristic	– see Chapter 5
(*)	Asterisked characteristic	– see Chapter 6.1.2 (only for certain vegetable species)
QL	Qualitative characteristic	
QN	Quantitative characteristic	
PQ	Pseudo-qualitative characteristic	
(+)	See Explanations on the Table of Characteristics in Chapter 8.2	

For the UPOV N° column:

The numbering of the characteristics is provided as a reference to the ad hoc UPOV guideline.

(*)	UPOV Asterisked characteristic	– Characteristics that are important for the international harmonisation of variety descriptions.
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For column "stage, method":

MG, MS, VG, VS	– see Chapter 4.1.5
(a)-(b)	See Explanations on the Table of Characteristics in Chapter 8.1



## 7. TABLE OF CHARACTERISTICS

CPVO N°	UPOV N°	Stage, Method	Characteristics	Examples	Note	
1.	1.	(a)	<b>Seedling: anthocyanin coloration of cotyledons</b>			
			(*)	absent	Express Forcer	1
G			present	Azur-Star	9	
2.	2.	(a)	<b>Seedling: intensity of green coloration of cotyledons</b>			
				light	Erko	3
				medium	Express Forcer	5
			dark	Eder	7	
3.	3.	(a)	<b>Petiole: crossing</b>			
			(+)	absent	Express Forcer	1
			present	Delikateß blauer	9	
4.	4.	(a)	<b>Petiole: length</b>			
			(+)	very short	Primavera weiß	1
				short	Quickstar, Spree	3
				medium	Patrick, Rolano	5
				long	Delikateß blauer	7
			very long		9	
5.	5.	(a)	<b>Petiole: thickness (in the middle)</b>			
				thin	Avanti, Kohyro	3
				medium	Noriko, Rolano	5
			thick	Adriana	7	
6.	6.	(a)	<b>Petiole: attitude</b>			
			(*)	erect	Eder	1
				semi erect	Erko, Lanro	3
			horizontal		5	

CPVO N°	UPOV N°	Stage, Method	Characteristics	Examples	Note	
7.	7.	(a)	<b>Leaf blade: attitude</b>			
			(*)	erect	Eder	1
				semi erect	Erko, Lanro	3
			horizontal		5	
8.	8.	(a)	<b>Leaf blade: length</b>			
			(+)	very short		1
				short	Kohyro, Primavera weiß	3
				medium	Domino, Logo	5
				long	Lanro, Noriko	7
			very long	Gigant, Superschmelz	9	
9.	9.	(a)	<b>Leaf blade: width</b>			
			(+)	very narrow		1
				narrow	Knaufs Ideal	3
				medium	Express Forcer, Spree	5
				broad	Noriko	7
			very broad	Gigant, Superschmelz	9	
10.	10.	(a)	<b>Leaf blade: shape of apex</b>			
			(+)	acute		1
				pointed		2
				obtuse	Avanti, Express Forcer	3
				rounded	Noriko, Spree	4
			broadly rounded	Gigant, Superschmelz	5	
11.	11.	(a)	<b>Leaf blade: division to midrib (on lower part of leaf)</b>			
			(+)	absent or very few		1
				few	Azur-Star	3
				medium	Noriko	5
				many	Avanti, Korist	7
			very many	Lanro	9	

CPVO N°	UPOV N°	Stage, Method	Characteristics	Examples	Note	
12.	12.	(a)	<b>Leaf blade: number of margin incisions (on upper part of leaf)</b>			
			(+)	absent or very few		1
				few	Azur-Star	3
				medium	Express Force	5
				many		7
			very many		9	
13.	13.	(a)	<b>Leaf blade: depth of margin incisions (on upper part of leaf)</b>			
			(+)	absent or very shallow		1
				shallow	Oste	3
				medium	Express Forcer	5
				deep	Soko	7
			very deep		9	
14.	14.	(a)	<b>Leaf blade: shape in cross section</b>			
				concave		1
				plane	Express Forcer	2
			convex	Azur-Star, Erko	3	
15.	15.	(a)	<b>Leaf blade: blistering</b>			
			(*)	weak	Avanti	3
				medium	Spree	5
			strong	Lanro	7	
16.	16.	(a)	<b>Leaf blade: waxiness</b>			
				weak		3
				medium	Express Forcer	5
			strong	Blaril	7	
17.	17.	(a)	<b>Leaf blade: hue of green colour</b>			
			(*)	absent	Erko, Noriko	1
				greyish	Express Forcer, Lanro	2
			bluish	Azur-Star	3	

CPVO N°	UPOV N°	Stage, Method	Characteristics	Examples	Note		
18.	18.	(a)	<b>Leaf blade: intensity of green colour</b>				
			(*)	very light		1	
				light		3	
				medium	Noriko, Quickstar	5	
				dark	Avanti, Lanro	7	
			very dark		9		
19.	19.	(b)	<b>Kohlrabi: number of inner leave</b>				
			(+)	few	Erko	3	
				medium	Express Forcer	5	
			many	Lanro	7		
20.	20.	(b)	<b>Kohlrabi: colour of skin</b>				
			(*)	white green	Express Forcer, Lanro	1	
				green	Erko, Noriko	2	
				pale violet		3	
			dark violet	Azur-Star	4		
21.	21.	(b)	<b>Kohlrabi: shape (in longitudinal section)</b>				
			(+)	(*)	transverse narrow elliptic	Erko	1
					transverse elliptic	Azur-Star, Quickstar	2
					transverse broad elliptic	Noriko	3
					circular	Blaril	4
			broad elliptic		5		
22.	22.	(b)	<b>Kohlrabi: shape of apex</b>				
			(+)	indented	Express Forcer	3	
				level	Avanti, Spree	5	
			raised	Gigant, Superschmelz	7		

CPVO N°	UPOV N°	Stage, Method	Characteristics	Examples	Note
<b>23.</b>	<b>23.</b>	<b>(b)</b>	<b>Harvest maturity</b>		
<b>(+)</b>	<b>(*)</b>		very early	Express Forcer	1
			early	Azur-Star, Quickstar	3
			medium	Lanro	5
			late	Delikateß blauer	7
<b>G</b>			very late	Blaril	9
<b>24.</b>	<b>24.</b>	<b>(a)</b>	<b>Male sterility</b>		
<b>(+)</b>	<b>(*)</b>		absent	Express Forcer, Lanro	1
<b>G</b>			present	Erika, Morre, Oasis	9

## 8. EXPLANATIONS ON THE TABLE OF CHARACTERISTICS

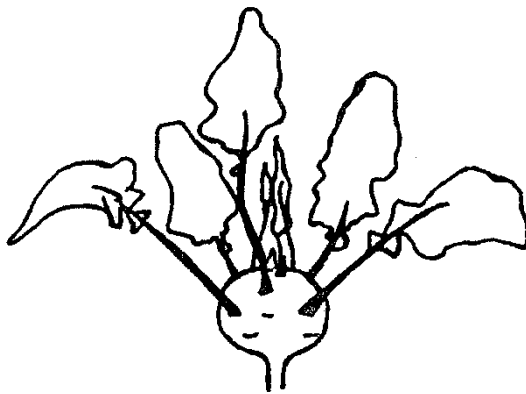
### 8.1 Explanations covering several characteristics

Characteristics containing the following key in the third column of the Table of Characteristics should be examined as indicated below:

- a) All observations on the plant and the leaf should be made before harvest maturity.
- b) All observations on the kohlrabi should be made at harvest maturity.

### 8.2 Explanations for individual characteristics

Ad. 3: Petiole: crossing



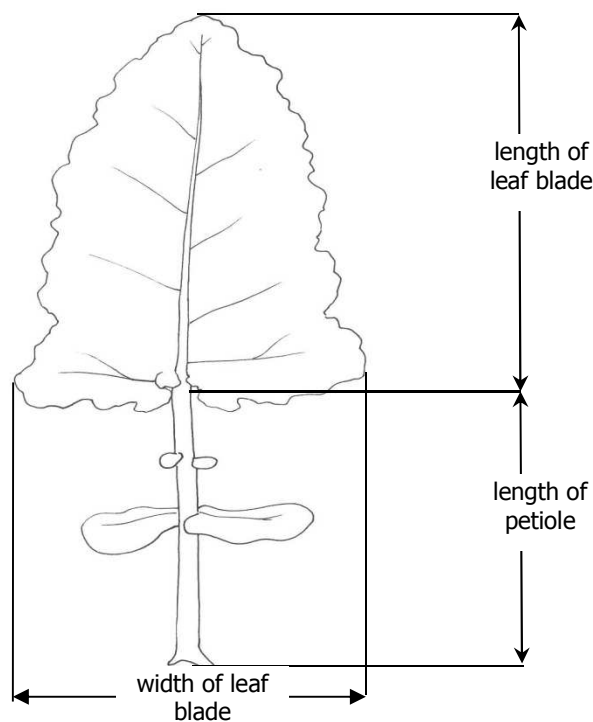
1  
absent



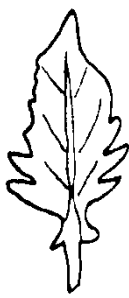
9  
present

Ad. 4: Petiole: length

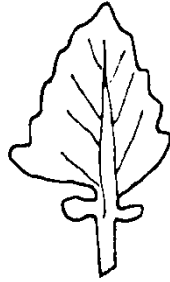
Ad. 8 and 9: Leaf blade: length and width



Ad. 10: Leaf blade: shape of apex



1  
acute



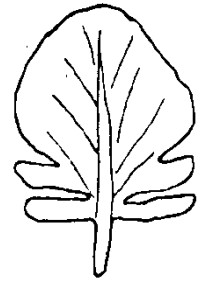
2  
pointed



3  
obtuse

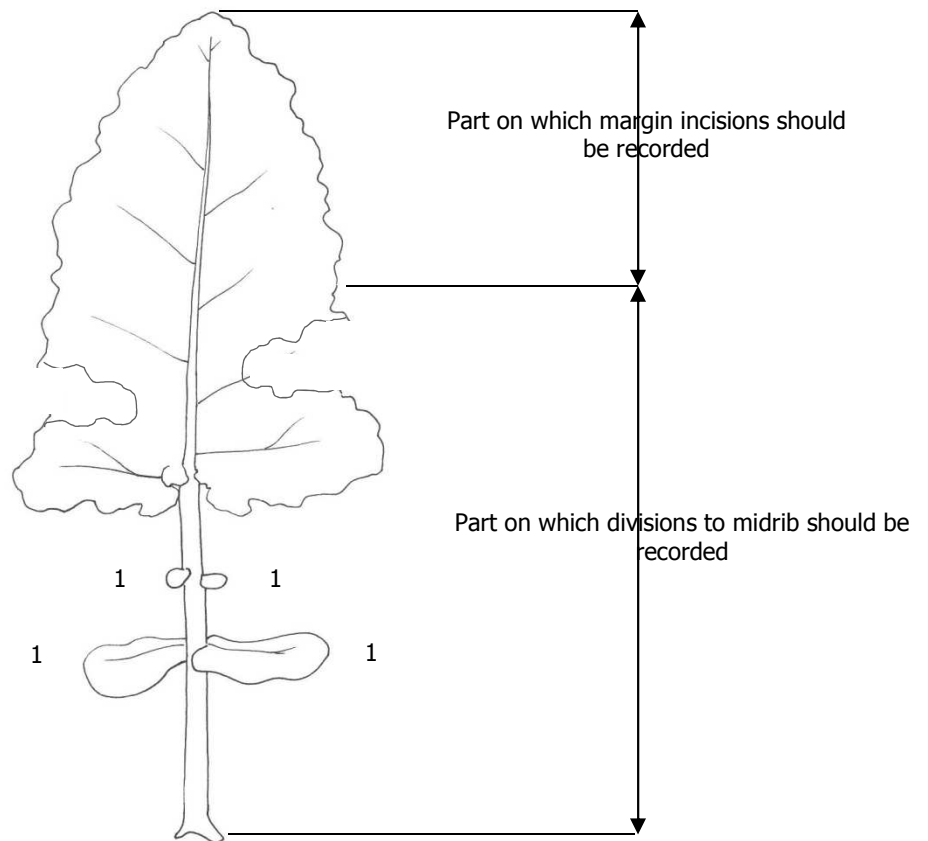


4  
rounded



5  
broadly rounded

Ad. 11-13: Leaf blade: divisions to midrib, margin incisions



Ad. 19: Kohlrabi: number of inner leaves



3  
few

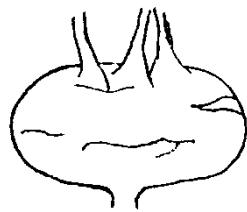


5  
medium



7  
many

Ad. 21: Kohlrabi: shape (in longitudinal section)



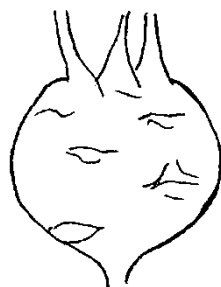
1  
transverse narrow elliptic



2  
transverse elliptic



3  
transverse broad elliptic



4  
circular

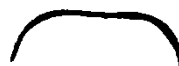


5  
broad elliptic

Ad. 22: Kohlrabi: shape of apex



3  
indented



5  
level



7  
raised

Ad. 23: Harvest maturity

Harvest maturity is considered as being reached if 50 % of kohlrabis reach 7 cm diameter in the greenhouse or 8 cm diameter in the open field.



#### Ad. 24: Male sterility

To be tested in a field trial and/or in a DNA marker test.

##### Field trial:

Check presence of pollen on stamen: if pollen on stamen is present then male sterility is absent; if pollen on stamen is absent then male sterility is present.

##### DNA marker test and/or field trial:

All varieties declared male sterile in the TQ can be examined in a field trial or in a DNA marker test<sup>1</sup>. In the case of a DNA marker test, if the CMS marker appears to be not present, a field trial should be performed to observe whether the variety is male sterile (on another mechanism) or fertile. All varieties declared fertile are to be tested in a field trial.

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<sup>1</sup> The description of the method to test male sterility for Brassica (CMS marker) is covered by a trade secret. The owner of the trade secret, Syngenta Seeds B.V., has given its consent for the use of the CMS marker solely for the purposes of examination of Distinctness, Uniformity and Stability (DUS) and for the development of variety descriptions **by CPVO and CPVO Examination Offices**. Syngenta Seeds B.V. declares that **neither CPVO, nor CPVO Examination offices** that use the CMS marker for the above purposes will be held accountable for possible (mis)use of the CMS marker by third parties. Please contact Naktuinbouw, Netherlands, to obtain the method and information on the CMS marker for the purposes mentioned above.

## 9. LITERATURE

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## **10. TECHNICAL QUESTIONNAIRE**

The Technical Questionnaire is available on the CPVO website under the following reference:  
CPVO-TQ/065/1 Rev.