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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

WHITECLOVER *

(Trifolium repens L.) *

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

Alternative Names: *

Latin	English	French	German	Spanish
<i>Trifolium repens L.</i>	Whiteclover	Trèfle blanc	Weissklee	Trébol blanco

ASSOCIATED DOCUMENTS

These guidelines should be read in conjunction with document TG/1/3, "General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants" (hereinafter referred to as the "General Introduction") and its associated "TGP" documents.

* These names were correct at the time of the introduction of these Test Guidelines but may be revised or updated. [Readers are advised to consult the UPOV Code, which can be found on the UPOV Website (www.upov.int), for the latest information.]

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1. SubjectoftheseGuidelines

1.1 TheseTestGui delinesapplytoallvarietiesof *Trifoliumrepens* L.

2. MaterialRequired

2.1 The competent authorities decide on the quantity and quality of the plant material required for testing the variety and when and where it is to be delivered. Applicants submitting material from a State other than that in which the testing takes place must ensure that all customs formalities and phytosanitary requirements are complied with.

2.2 Thematerialistobesuppliedintheformofseed.

2.3 Themimumquantityofplan tmaterial,tobesuppliedbytheapplicant,shouldbe:

1.0kg.

2.4 The seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority. In cases where the seed is to be stored, the germination capacity should be as high as possible and should be stated by the applicant.

2.5 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.

2.6 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 .

3. MethodofExamination

3.1 *DurationofTests*

Themimumdurationoftestsshouldnormallybetwoindependentgrowingcycles.

3.2 *TestingPlace*

The tests should normally be conducted at one place. If any characteristics of the variety, which are relevant for the examination of DUS, cannot be seen at that place, the variety may be tested at an additional place.

3.3 *ConditionsforConductingtheExamination*

3.3.1 Thetests 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.

3.3.2 Type of observation –visual or measurement

The recommended method of observing the characteristic is indicated by the following key in the second column of the Table of Characteristics:

MS: measurement of a number of individual plants or parts of plants

MG: single measurement of a group of 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

3.3.3 Type of plot for observation

The recommended type of plot in which to observe the characteristic is indicated by the following key in the second column of the Table of Characteristics:

A: spaced plants

B: row plot

C: special test

3.4 Test Design

3.4.1 General

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.

3.4.2 Plot design

Each test should be designed to result in a total of, at least 60 spaced plants and 10 meters of row plot.

Plots with single spaced plants : Each test should consist of 60 single spaced plants per variety arranged in 3, 4, 5 or 6 replicates, i.e. plots of 20, 15, 12 or 10 plants

Row plots : Each test which includes row plots should consist of at least 10 meters of row arranged in two replicates, each of 5 meters. The density of sowing should be such that about 200 plants per meter should be obtained.

3.5 Number of Plants/Parts of Plants to be Examined

Unless otherwise indicated, all observations determined by measuring or counting should be made on 60 plants or parts taken from each of 60 plants.

3.6 Additional Tests

Additional tests, for examining relevant characteristics, may be established.

4. Assessment of Distinctness, Uniformity and Stability

4.1 *Distinctness*

4.1.1 General Recommendations

4.1.1.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.1.1.2 Characteristics should be measured so that a mean value per plot can be obtained: from these data a standard deviation per variety can be derived and the data submitted to a 'two-way' analysis of variance. The significance of measured differences should be taken into account for assessing distinctness and the preparation of descriptions.

4.1.2 Consistent Differences

The minimum duration of tests recommended in section 3.1 reflects, in general, the need to ensure that any differences in a characteristic are sufficiently consistent.

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 Test Guidelines are familiar with the recommendations contained in the General Introduction prior to making decisions regarding distinctness.

4.2 *Uniformity*

4.2.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in these Test Guidelines:

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

4.2.3 For the assessment of uniformity of a variety, the standard deviation of the mean value for each characteristic should be compared with the mean of the standard deviation of comparable varieties using a recognized statistical technique.

4.3 *Stability*

4.3.1 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 tested, either by growing a further generation, or by testing a new seed or plant stock to ensure that it exhibits the same characteristics as those shown by the previous 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 is 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 others 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 trials so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- (a) Leaf: size of median leaflet (characteristic 16)
- (b) Plant: prominence of white leaf marks (characteristic 5)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction.

6. Introduction to the Table of Characteristics

6.1 *Categories of Characteristics*

6.1.1 Standard Test Guidelines Characteristics

Standard Test Guidelines characteristics are those which are approved by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.

6.1.2 Asterisked Characteristics

Asterisked characteristics (denoted by *) are those included in the Test Guidelines which are important for the international harmonization of variety descriptions and should always be examined for DUS and included in the variety description by all members of the Union, except when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.

6.2 *States of Expression and Corresponding Notes*

States of expression are given for each characteristic to define the characteristic and to harmonize descriptions. Each state of expression is allocated a corresponding numerical note for ease of recording of data and for the production and exchange of the description.

6.3 *Types of Expression*

An explanation of the types of expression of characteristics (qualitative, quantitative and pseudo -qualitative) is provided in the General Introduction.

6.4 *Example Varieties*

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

6.5 *Legend*

(*) Asterisked characteristic –see Section 6.1.2

(+) See Explanations on the Table of Characteristics in Chapter 8.

MS }
MG } Type of observation –see Section 3.3.1
VG }
VS }

A }
B } Type of plot for observation –see Section 3.3.2
C }

7. TableofCharacteristics/Tableaudes caractères/Merkmalstabelle/Tabladecaracteres

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1. (+)	A VS	Plant:tendency to form inflorescences before vernalization	Plante:tendance à former des inflorescences avant la vernalisation	Pflanze:Neigung zur Bildung von Blütenständen vor der Vernalisation	Planta:tendencia a formar inflorescencias antes de la vernalización		
		absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil	Barbian	1
		weak	faible	gering	débil	Aran	3
		medium	moyenne	mittel	media	Milkanova	5
		strong	forte	stark	fuerte	Lunede Mai	7
		very strong	très forte	sehr stark	muy fuerte	Tivoli	9
2. (+)	A -VS B -VG	Plant:intensity of green color	Plante:intensité de la couleur verte	Pflanze:Intensität der Grünfärbung	Planta: intensidad del color verde		
		light	claire	hell	claro	Avoca	3
		medium	moyenne	mittel	medio	Milkanova	5
		dark	foncée	dunkel	oscuro	Brindisi	7
3.	A -VS B -VG	Plant:density of foliage	Plante:densité du feuillage	Pflanze:Dichtedes Laubes	Planta:densidad del follaje		
		low	faible	gering	baja	Makuri	3
		medium	moyenne	mittel	media	Barblanca	5
		high	élevée	hoch	alta	Grasslands Tahora	7
4. (+)	C	Plant:proportion of plants with cyanid glucoside	Plante:proportion de plantes à glucosides cyanogènes	Pflanze:Anteil der Pflanzen mit Cyanglukosid	Planta:proporción de plantas con glucosidos cianogénicos		
		absent or very low	absente ou très faible	fehlend oder sehr gering	ausente o muy baja	Pertina	1
		low	faible	gering	baja	Barbian	3
		medium	moyenne	mittel	media	Grasslands Tahora	5
		high	élevée	hoch	alta	Avoca	7

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielsorten Variedadesejemplo	Note/ Nota
5. (* (+)	A -VS B -VG	Plant:prominence ofwhiteleafmarks	Plante: proémi-nence desmarques foliairesblanches	Pflanze: Ausprägungder weißen Blattzeichnung	Planta: prominencia delasmarcas foliaresblancas		
		absentorveryweak	nulleoutrèsfaible	fehlendodersehr gering	ausenteomuydébil	SteinacherWeißklee	1
		weak	faible	gering	débil		3
		medium	moyenne	mittel	media	Asterix	5
		strong	forte	stark	fuerte		7
		verystrong	trèsforte	sehrstark	muyfuerte	Haifa	9
6. (* (+)	A -MS B -MG	Plant:timeof flowering	Plante:époque de floraison	Pflanze:Zeitpunkt derBlüte	Planta:épocadela floración		
		veryearly	trèsprécoce	sehrfrüh	muyprecoz	Haifa	1
		early	précoce	früh	precoz	Chieftain	3
		medium	moyenne	mittel	media	GrasslandsHuia	5
		late	tardive	spät	tardía	Tivoli	7
		verylate	trèstardive	sehrspät	muytardía	Regal	9
7. (+)	A -MS B -MG	Plant:natural height	Plante:hauteur naturelle	Pflanze:natürliche Höhe	Planta:altura		
		short	courte	niedrig	corta	KentWildWhite	3
		medium	moyenne	mittel	media	Pertina	5
		tall	longue	hoch	larga	Milkanova	7
8. (+)	A MS	Plant:width	Plante:largeur	Pflanze:Breite	Planta:anchura		
		narrow	étroite	schmal	estrecha	Asterix	3
		medium	moyenne	mittel	media	Regal	5
		broad	large	breit	ancha	Aran	7

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
9.	A –VS	Plant: growth habit	Plante: port	Pflanze: Wuchs - form	Planta: porte		
	B –VG						
		semi-erect	demi dressé	halbaufrecht	semierecto		3
	intermediate	demi dressé à demi étalé	mittel	intermedio	Makuri		5
	prostrate	étalé	liegend	postrado	Grasslands Tahora		7
10. (+)	A MS	Stem: internode length of stolon	Tige: longueur de l'entre-nœud	Stengel: Längedes Internodiums	Tallo: longitud del entrenudo		
		Short	court	kurz	corta	Grasslands Tahora	3
		medium	moyen	mittel	media	Aran	5
	long	long	lang	larga	Barblanca	7	
11. (+)	A MS	Stem: thickness of stolon	Tige: grosseur du stolon	Stengel: Ausläuferdicke	Tallo: grosor del estolón		
		very thin	très fin	sehr dünn	muy delgado	Kent Wild White	1
		thin	fin	dünn	delgado	Barbian	3
		medium	moyen	mittel	medio	Grasslands Huia	5
		thick	gros	dick	grueso	Kersey	7
	very thick	très gros	sehr dick	muy grueso	Aran	9	
12. (+)	A MS	Leaf: length of petiole	Feuille: longueur du pétiole	Blatt: Längedes Blattstiels	Hoja: longitud del pecíolo		
		Short	court	kurz	corta	Asterix	3
		medium	moyen	mittel	media	Grasslands Huia	5
	long	long	lang	larga	Chieftain	7	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielsorten Variedadesejemplo	Note/ Nota
13.	A	Leaf:thickness of petiole	Feuille:grosseur du pétiole	Blatt:Dickedes Blattstiels	Hoja:grosordel pecíolo		
(+)	MS						
		verythin	trèsfin	sehrdünn	muydelgado	KentWildWhite	1
		thin	fin	dünn	delgado	Barbian	3
		medium	moyen	mittel	medio	Avoca	5
		thick	gros	dick	grueso	Milkanova	7
		verythick	trèsgros	sehrdick	muygrueso	Regal	9
14.	A	Leaf:lengthof medianleaflet	Feuille:longueurde lafoliolemédiane	Blatt:Längedes mittleren Fiederblatts	Hoja:longituddel folíolocentral		
(*)	MS						
(+)							
		veryshort	trèscourte	sehrkurz	muycorta	KentWildWhite	1
		short	courte	kurz	corta	Barbian	3
		medium	moyenne	mittel	media	Avoca	5
		long	longue	lang	larga	GrasslandsPitau	7
		verylong	trèslongue	sehrlang	muylarga	Aran	9
15.	A	Leaf:widthof medianleaflet	Feuille:largeurde lafoliolemédiane	Blatt:Breitedes mittleren Fiederblatts	Hoja:anchuradel folíolocentral		
(*)	MS						
(+)							
		verynarrow	trèsétroite	sehrschmal	muyestrecha	KentWildWhite	1
		narrow	étroite	schmal	estrecha	Barbian	3
		medium	moyenne	mittel	media	GrasslandsHuia	5
		broad	large	breit	ancha	GrasslandsPitau	7
		verybroad	trèslarge	sehrbreit	muyancha	Aran	9

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
16. (* (+)	A MS	Leaf: size of median leaflet	Feuille: taille de la foliole médiane	Blatt: Größe des mittleren Fiederblatts	Hoja: tamaño del folíolo central		
		very small	très petite	sehr klein	muy pequeño	Kent Wild White	1
		small	petite	klein	pequeño	Rivendel	3
		medium	moyenne	mittel	medio	Pertina	5
		large	grande	groß	grande	Grasslands Pitau	7
		very large	très grande	sehr groß	muy grande	Aran	9
17. (* (+)	A MS	Leaf: ratio of length to width of median leaflet	Feuille: rapport longueur/largeur de la foliole latérale	Blatt: Verhältnis Länge/Breite des mittleren Fiederblatts	Hoja: relación longitud/anchura del folíolo central		
		small	petit	klein	pequeño	Donna	3
		medium	moyen	mittel	medio	Barbian	5
		large	grand	groß	grande	Rivendel	7
18. (+)	A MS	Inflorescence: length of peduncle	Inflorescence: longueur du pédoncule	Blütenstand: Länge des Blütenstandsstiels	Inflorescencia: longitud del pedúnculo		
		short	court	kurz	corto	Kent Wild White	3
		medium	moyen	mittel	medio	Grasslands Huia	5
		long	long	lang	alto	Aran	7
19. (+)	A MS	Inflorescence: thickness of peduncle	Inflorescence: grosseur du pédoncule	Blütenstand: Dicken des Blütenstandsstiels	Inflorescencia: grosor del pedúnculo		
		thin	fin	dünn	delgado	Grasslands Demand	3
		medium	moyen	mittel	medio	Grasslands Pitau	5
		thick	gros	dick	grueso	Aran	7

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
20.	A	Plant: number of inflorescences	Plante: nombre d'inflorescences	Pflanze: Anzahl Blütenstände	Planta: número de inflorescencias		
(+)	VS						
		small	petit	klein	pequeño	Regal	3
		medium	moyen	mittel	medio	Avoca	5
		large	grand	groß	grande	Milkanova	7
21.	A	Inflorescence: diameter	Inflorescence: diamètre	Blütenstand: Durchmesser	Inflorescencia: diámetro		
(+)	VS						
		small	petit	klein	pequeño	GrasslandsDemand	3
		medium	moyen	mittel	medio	Beaumont	5
		large	grand	groß	grande	Crusader	7

8. ExplanationsontheTableofCharacteristics

Ad.1: Plant:tendencytoforminflorescencesbeforevernalization

The observation should be made before the period of vernalization. The number of flowerheads produced on each plant should be assessed and scored.

Ad.2: Plant:intensityofgreencolor

The observation should be made in the vegetative phase by examination and scoring of the overall green color of the plant.

Ad.3: Plant:densityoffoliage

The observation should be made in the vegetative phase by examination and scoring of the overall ground cover of the foliage of the plant.

Ad.4: Plant:proportionofplantswithcyanidglucoside(HCN)

Preparation of picric-sodic paper (indicator paper)

1.0g of picric acid is dissolved in 100ml of distilled water. (Heat is normally required).

10g of sodium carbonate is dissolved in 100ml of distilled water.

When the picric acid solution has cooled, the sodium carbonate solution is added, mixed and stored in an amber reagent bottle.

Strips of Whatmann No. 1 filter paper are dipped in this solution and can be stored dry in a desiccator.

Test Procedure

1. Healthy leaves (preferably folded) are selected from each of the sixty plants and put into separate eppendorf tubes (one trifoliate leaf per tube).
2. The tubes are closed and placed in a freezer at -18°C for a minimum of two hours.
3. After freezing, a strip of indicator paper is placed across the opening of the eppendorf tubes and the lid closed. This is sufficient to hold the paper in place.
4. The tubes are placed in darkness in a water bath at 50°C for two hours.
5. If there is HCN present the paper will change from yellow to red. The colour reaction is recorded as presence/absence of red colour for each of the sixty plants.

Ad.5: Plant:prominenceofwhiteleafmarks

The observation should be made before flowering by examination and scoring of the plant as a whole. The presence of any type of white mark or the complete absence of marks is recorded.

Ad.6: Plant:timeofflowering

In singlespaced plants, a plant is recorded as flowering when three inflorescences per plant are showing color. In row plots, flowering is recorded by observing all the inflorescences in the plant as a whole. The observations should be made at least twice weekly.

A variety is considered as flowering when 50% of the plants have flowered.

Ad.7: Plant:naturalheight

Assessed on the plants at the time of flowering – as for characteristic 6.

Ad.8: Plant:width

Assessed on the plants at the time of flowering – as for characteristic 6.

Ad.9: Plant:growthhabit

Assessed on the plants at the time of flowering – as for characteristic 6.

Ad.10,11:Stem:internodelength(10)andthickness(11)ofstolon

After all the plants of each variety in a replicate have flowered, and within 1 – 2 weeks after flowering, the longest healthy growing stolon should be selected from each plant for measurement.

The internode length of the stolon should be measured between the third and fourth node counted from the growing tip.

The thickness (diameter) of the stolon should be measured at a point midway between the third and the fourth node counted from the growing tip.

Ad.12,13:Leaf:length(12),andthickness(13)ofpetiole

Time of measurement and selection of stolon as for characteristics 10 and 11. The petiole of the third expanded leaf, counted from the growing tip of the stolon, should be selected for measurement.

The length of the petiole should be measured from the base of the medium trifoliolate leaflet to the stolon.

The thickness should be measured at the widest point of the petiole.

Ad.14,15:Leaf:length(14)andwidth(15)ofmedianleaflet

Time of measurement and selection of stolon as for characteristics 10, 11, 12 and 13. The median trifoliolate leaflet of the third expanded leaf from the growing tip of the stolon should be selected for measurement of its length and width.

Ad.16:Leaf:sizeofmedianleaflet

Calculatedfromthemeasurementsofleaflength(14)x leafwidth(15).

Ad.17:Leaf:ratiooflengthtewidthofmedianleaflet

Calculatedfromtheratioofleaflength(14) ÷ leafwidth(15).

Ad.18,19:Inflorescence:length(18)andthickness(19)ofpeduncle

A mature inflorescence taken from close to center of the plant is selected for measurement of its peduncle length and peduncle thickness.

The length of the peduncle should be measured from the base of the inflorescence to the stolon.

The thickness of the peduncle should be measured at a point midway between the base of the inflorescence and the stolon.

Ad.20:Plant:numberofinflorescences

The number of inflorescences per plant is assessed on each of the 60 plants of a variety at maturity, normally 30 days after the mean date of flowering of the variety.

Ad.21: Inflorescence:diameter

Time of measurement as for characteristic 20 . The size of the inflorescences on the plant should be estimated on each of the sixty plants of a variety on a 1-9 scale on the plant taken as a whole.

9. Literature

10. TechnicalQuestionnaire

TECHNICALQUESTIONNAIRE	Page 1 of 6	ReferenceNumber:
		Applicationdate: (nottobefilledinbytheapplicant)
TECHNICALQUESTIONNAIRE tobecompletedinconnectionwithanapplicationforplantbreeders'rights		
1. SubjectoftheTechnicalQuestionnaire		
1.1 LatinName	<input type="text" value="Trifoliumrepens L."/>	
1.2 CommonName	<input type="text" value="WHITECLOVER"/>	
2. Applicant		
Name	<input type="text"/>	
Address	<input type="text"/>	
TelephoneNo.	<input type="text"/>	
FaxNo.	<input type="text"/>	
E-mailaddress	<input type="text"/>	
Breeder(ifdifferentfromapplicant)	<input type="text"/>	
3. Proposeddenominationandbreeder'sreference		
Proposeddenomination (ifavailable)	<input type="text"/>	
Breeder'sreference	<input type="text"/>	

TECHNICALQUESTIONNAIRE	Page2of6	ReferenceNumber:
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4. Informationonthebreedingschemeandpropagationofthevariety

4.1 BreedingScheme

4.2 MethodofP ropagatingtheVariety

5. Characteristics of the variety to be indicated (the number in brackets refers to the correspondingcharacteristicinTestGuidelines;pleasemarkthenotewhichbestcorresponds).

Characteristics	ExampleVarie ties	Note
5.1 Plant:prominenceofwhiteleafmarks (5)		
absentorveryweak	SteinacherWeißklee	1[]
weak		3[]
medium	Asterix	5[]
strong		7[]
verystrong	Haifa	9[]

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Characteristics	ExampleVarieties	Note
5.2 Plant:timeofflowering (6)		
veryearly	Haifa	1[]
early	Chieftain	3[]
medium	GrasslandsHuia	5[]
late	Tivoli	7[]
verylate	Regal	9[]
5.3 Leaf:lengthofmedianleaflet (14)		
verys hort	KentWildWhite	1[]
short	Barbian	3[]
medium	Avoca	5[]
long	GrasslandsPitau	7[]
verylong	Aran	9[]
5.4 Leaf:widthofmedianleaflet (15)		
verynarrow	KentWildWhite	1[]
narrow	Barbian	3[]
medium	GrasslandsHuia	5[]
broad	GrasslandsPitau	7[]
verybroad	Aran	9[]
5.5 Leaf:sizeofmedianleaflet (16)		
verysmall	KentWildWhite	1[]
small	Rivendel	3[]
medium	Pertina	5[]
large	GrasslandsPitau	7[]
verylarge	Aran	9[]

TECHNICALQUESTIONNAIRE	Page4of6	ReferenceNumber:
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6. Similarvarietiesanddifferencesfromthesevarieties			
Denomination(s)of variety(ies)similarto yourcandidatevariety	Characteristic(s)in whichyourcandidate varietydiffersfrom thesimi larvariety(ies)	Describetheexpression ofthecharacteristic(s) forthe similar variety(ies)	Describetheexpression ofthecharacteristic(s) for your candidate variety
<i>(Example)</i>	<i>Plant:timeof flowering</i>	<i>Veryearly</i>	<i>early</i>

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7. Additional information which may help in the examination of the variety

7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?

7.1.1 Resistancetopestanddiseases

Yes No

(If yes, please provide details)

7.1.2 Other

Yes No

(If yes, please provide details)

7.2 Special conditions for the examination of the variety

7.2.1 Are there any special conditions for growing the variety or conducting the examination?

Yes No

7.2.2 If yes, please give details:

7.3 Other information

8. Authorization for release

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes No

(b) Has such authorization been obtained?

Yes No

If the answer to (b) is yes, please attach a copy of the authorization.

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9. Thereby declare that, to the best of my knowledge, the information provided in this form is incorrect:

Applicant's name

Signature

Date

[End of document]