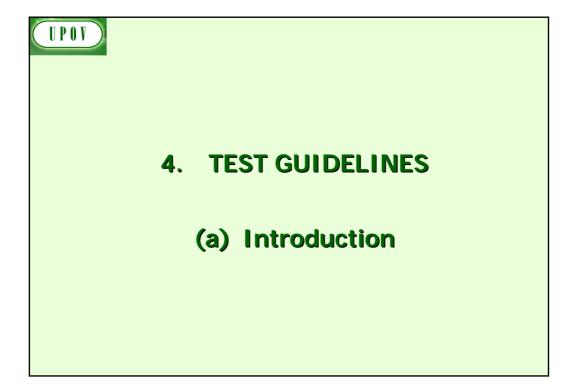
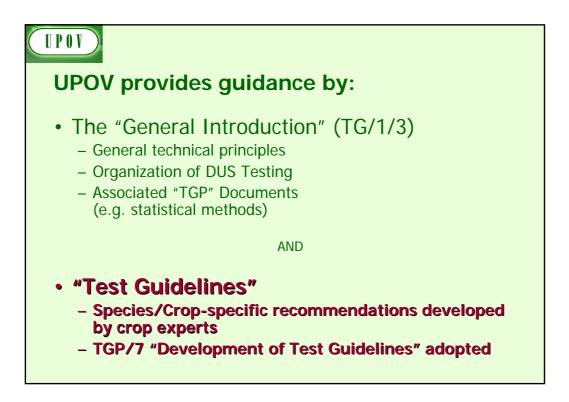
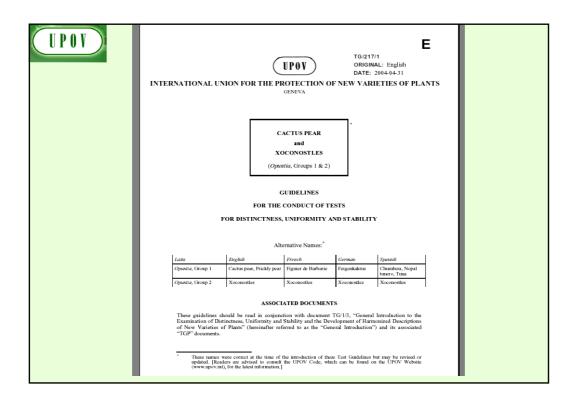


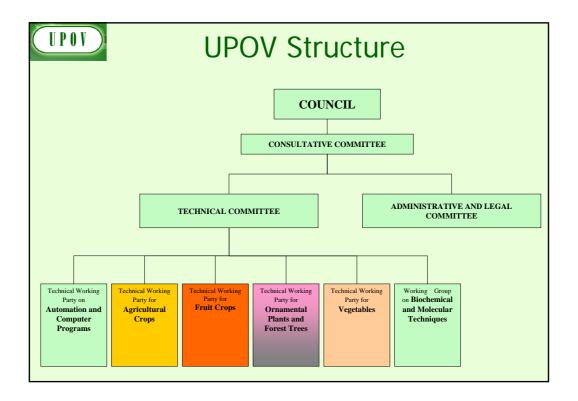
UPOV)		TG/1/3 General Introduction	
		"Associated" TGP Documents	
R	ef.	Title	
T	G/00	List of TGP Documents and Latest Issue Dates	
Т	GP/1	General Introduction With Explanations	
Т	GP/2	List of Test Guidelines Adopted by UPOV	
Т	GP/3	Varieties of Common Knowledge	
T	GP/4	Constitution and Maintenance of Variety Collections	
T.	GP/5	Experience and Cooperation in DUS testing	
T.	GP/6	Arrangements for DUS testing	
T.	GP/7	Development of Test Guidelines	
T	GP/8	Trial Design and Techniques Used in the Examination of DUS	
T.	GP/9	Examining Distinctness	
T.	GP/10	Examining Uniformity	
Т	GP/11	Examining Stability	
Т	GP/12	Special Characteristics	
Т	GP/13	Guidance for New Types and Species	
T	GP/14	Glossary of Technical, Botanical and Statistical Terms Used in UPOV Documents	
Т	GP/15	New Types of Characteristics	

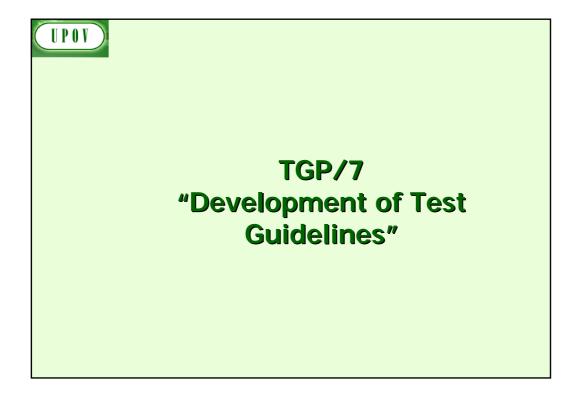
UPOV	PROGRAM
1.	Introduction to UPOV
2.	Introduction to the Technical Working Parties
3.	Overview of the General Introduction (document TG/1/3 and TGP documents)
4.	Test Guidelines (document TGP/7)
	 (a) Introduction (b) Guidance on drafting characteristics (c) Method of observation (V/M; G/S) (d) Asterisked, grouping and TQ characteristics (e) Example varieties (f) The process for developing UPOV Test Guidelines
5.	UPOV databases
6.	The UPOV website
7.	Agenda for the TWP meeting
8.	Feedback

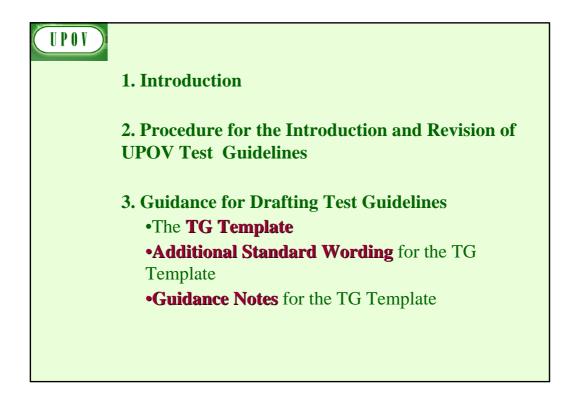


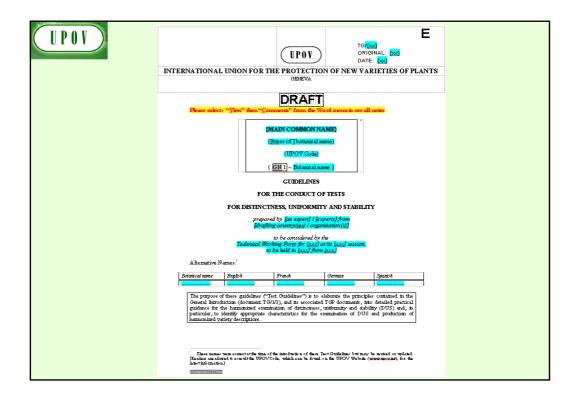


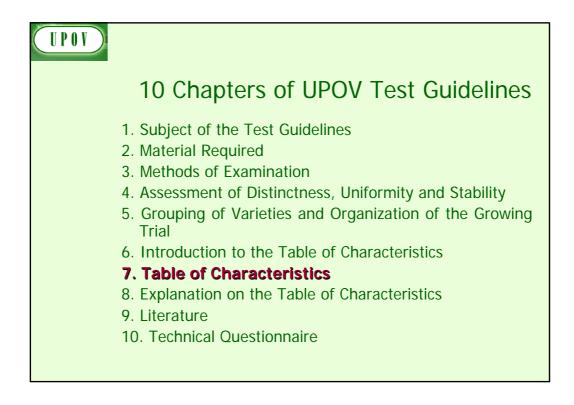


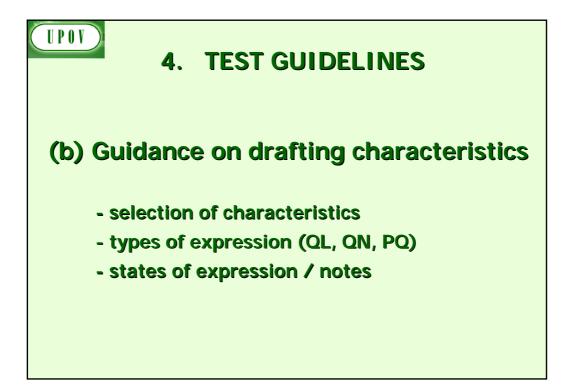


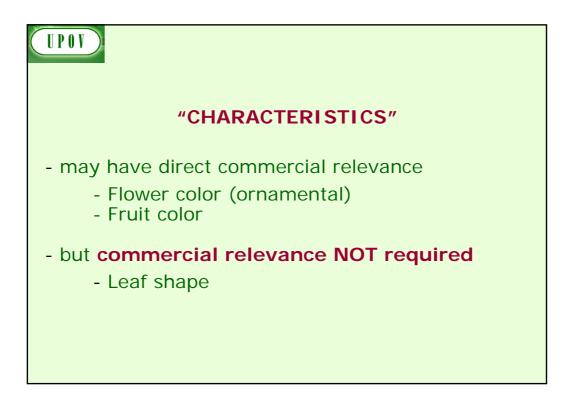


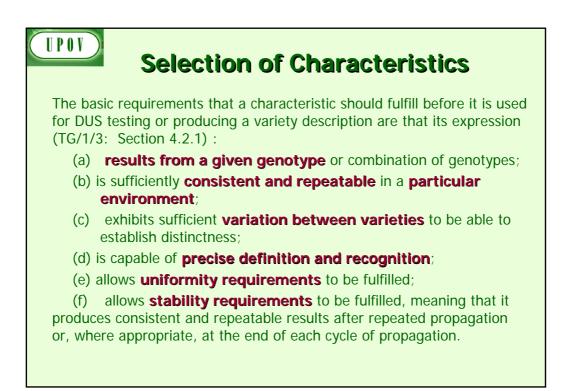


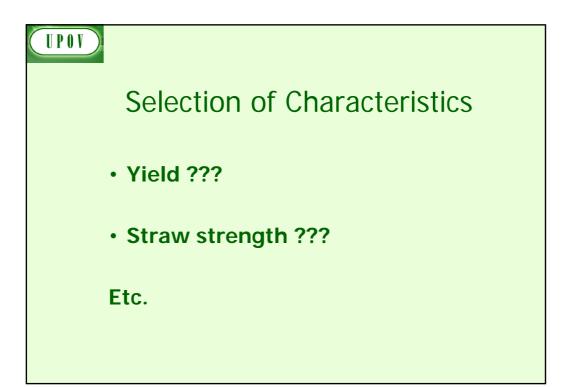






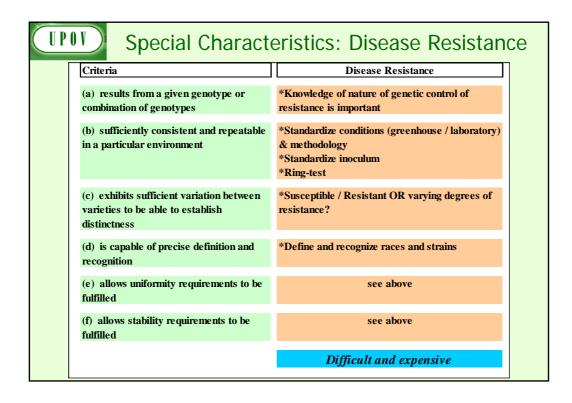


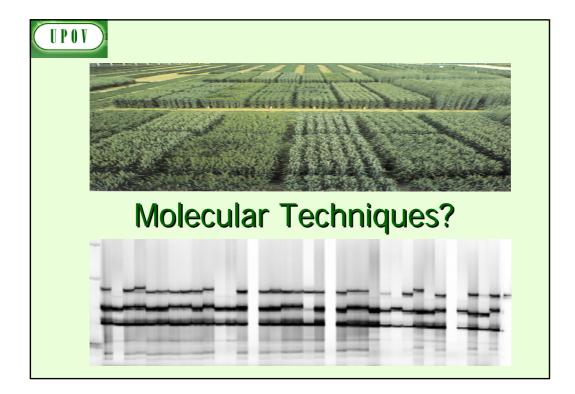


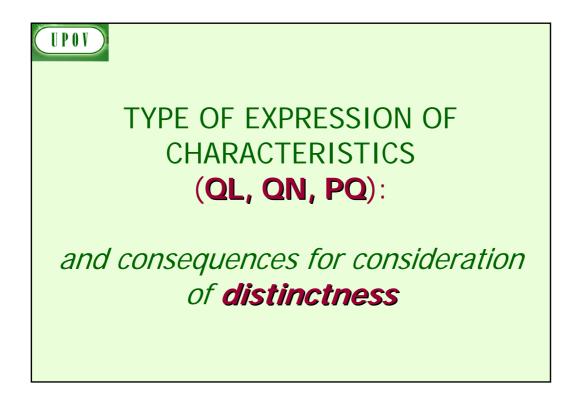


UPOV	Selection of Ch	aracter	istics	
	Criteria	Fruit: color	Leaf: shape	Yield
	(a) results from a given genotype or combination of genotypes	Yes	Yes	
	(b) sufficiently consistent and repeatable in a particular environment	Yes	Yes	
	(c) exhibits sufficient variation between varieties to be able to establish distinctness	Yes	Yes	
	(d) is capable of precise definition and recognition	Yes	Yes	
	(e) allows uniformity requirements to be fulfilled	Yes	Yes	
	(f) allows stability requirements to be fulfilled	Yes	Yes	
	Commercial value	Yes	No	
	ACCEPTABILITY	Yes	Yes	

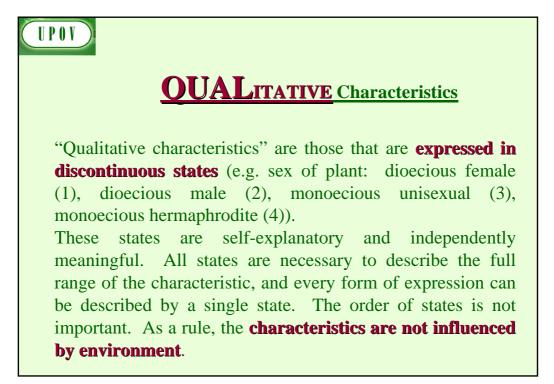
UPOV	Selection of Ch	naracter	istics	
	Criteria	Fruit: color	Leaf: shape	Yield
	(a) results from a given genotype or combination of genotypes	Yes	Yes	Yes
	(b) sufficiently consistent and repeatable in a particular environment	Yes	Yes	(No)
	(c) exhibits sufficient variation between varieties to be able to establish distinctness	Yes	Yes	???
	(d) is capable of precise definition and recognition	Yes	Yes	(No)
	(e) allows uniformity requirements to be fulfilled	Yes	Yes	???
	(f) allows stability requirements to be fulfilled	Yes	Yes	???
	Commercial value	Yes	No	Yes
	ACCEPTABILITY	Yes	Yes	No

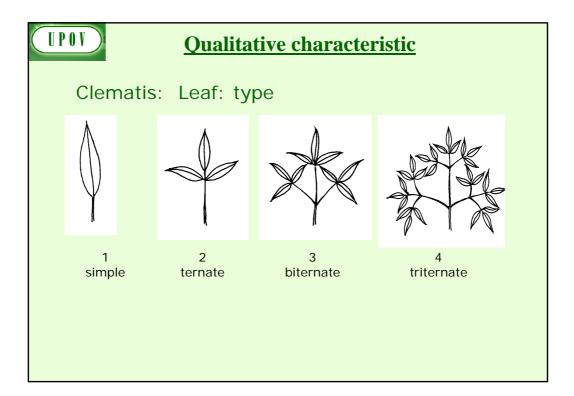






D						
7.	Table of Characte	ristics/Tableau de	es caractères/Merkma	alstabelle/Tabla de	caracteres	
Char. No.	English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1. (*)	Plant: growth habit	Plante : port	Pflanze: Wuchsform	Planta: porte		
(+)						
QN	upright	dressé	aufrecht	erecto	Inuppink	1
\smile	semi-upright	semi dressé	halbaufrecht	semierecto	D0158-1	2
	spreading	étalé	breitwüchsig	abierto	Sumnem 03	3
	semi-trailing	semi-étalé	halbhängend	semirrastrero	Inupsaf	4
	trailing	coureux	hängend	rastrero	Organza	5
2.	Plant: height	Plante : hauteur	Pflanze: Höhe	Planta: altura		
(+)						
QN	short	basse	niedrig	baja	Yateye	3
	medium	moyenne	mittel	media	D0158-1	5
	tall	haute	hoch	alta	Inuppink	7



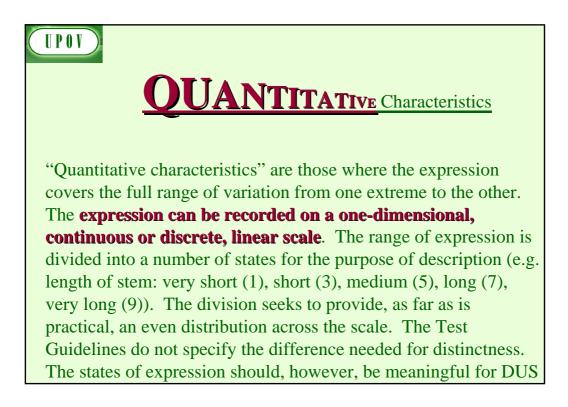


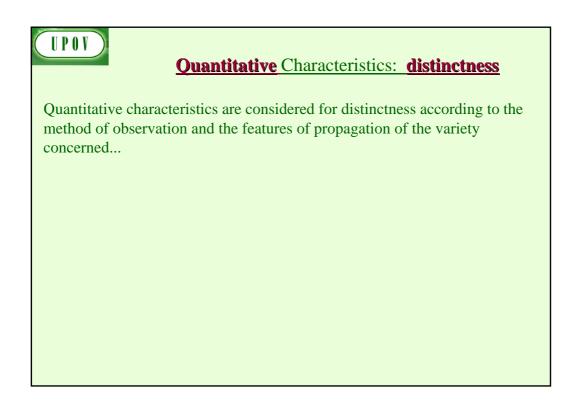
UPOV

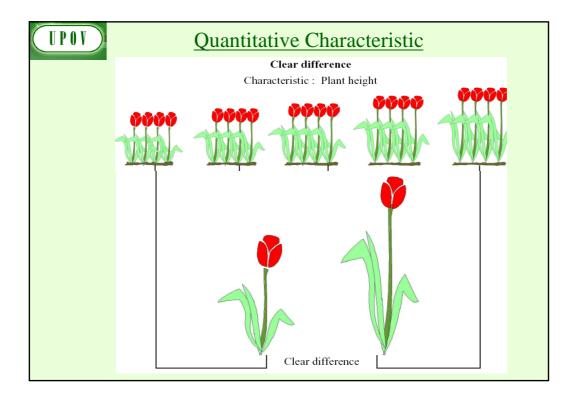
<u>Qualitative</u> Characteristics: <u>distinctness</u>

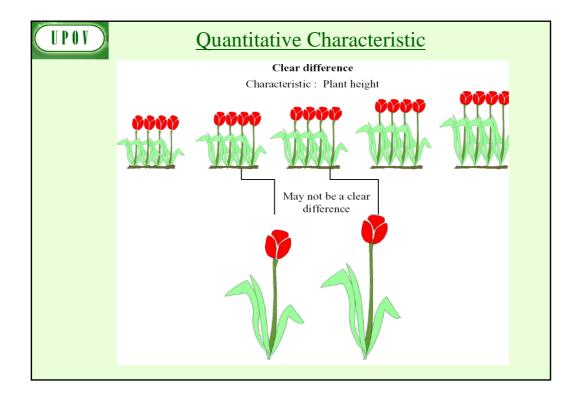
In qualitative characteristics, the difference between two varieties may be considered clear if one or more characteristics have expressions that fall into **two different states in the Test Guidelines**. Varieties should not be considered distinct for a qualitative characteristic if they have the same state of expression.

(e.g. sex of plant: dioecious female (1), dioecious male (2), monoecious unisexual (3), monoecious hermaphrodite (4)).









UPOV

Quantitative Characteristics: **distinctness**

Quantitative characteristics are considered for distinctness according to the method of observation and the features of propagation of the variety concerned.

Test Guidelines (TGP/7 proposed revised text)

Difference of **two Notes to represent a clear difference if** the **comparison** between two varieties is performed **at the level of Notes**:

e.g.

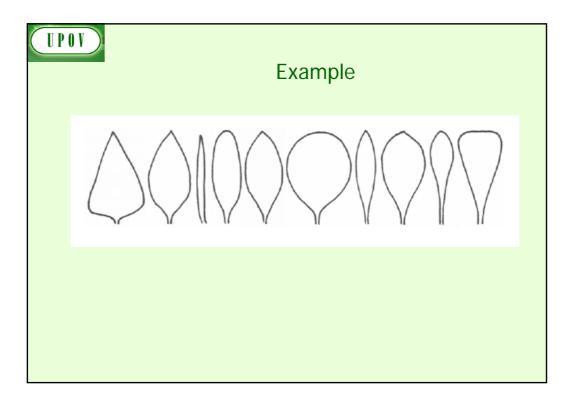
			Dia	TG/233/1 scia/Diascie, 2007-03-2 - 9 -	8		
		English	français	Deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note Not
6. (*)	(a)	Leaf blade: length	Limbe: longueur	Blattspreite: Länge	Limbo: longitud		
QN		short	courte	kurz	corto	Coditer, Strawberry Sundae	3
		medium	moyenne	mittel	medio	Codiusre	5
		long	longue	lang	largo	Balwhislapi, Balwhiswhit	7

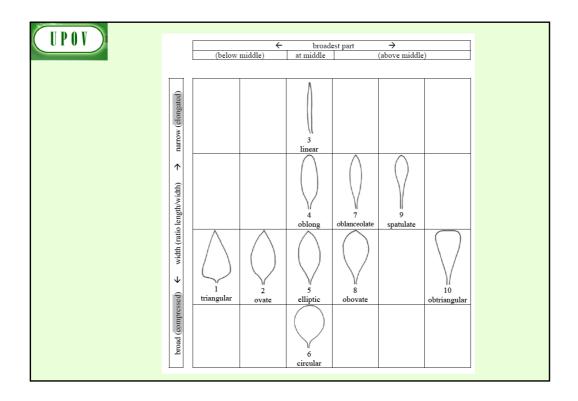
		Dias	TG/233/1 cia/Diascie, 2007-03-2 - 9 -	8		
	English	français	Deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note Nota
5.	Stem: anthocyanin coloration below inflorescence	Tige: pigmentation anthocyanique sous inflorescence	Trieb: Anthocyanfärbung unter dem Blütenstand	Tallo: pigmentación antociánica por debajo de la inflorescencia		
QN	absent or weak	absente ou faible	fehlend oder gering	ausente o débil	Heccharm	1
	medium	moyenne	mitte1	media	Hecrace	2
	strong	forte	stark	fuerte		3

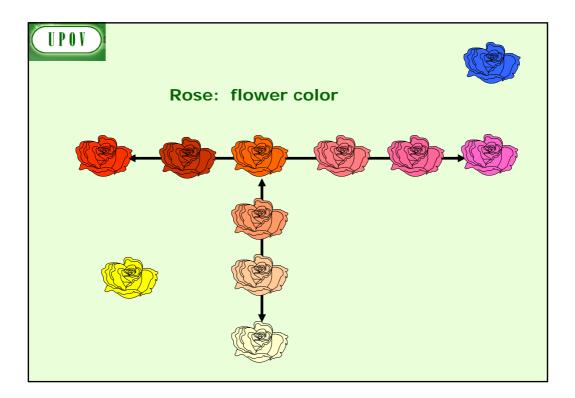
UPOV

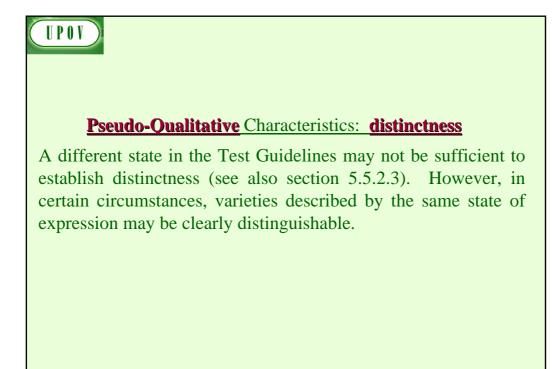
PSEUDO-QUALITATIVE Characteristics

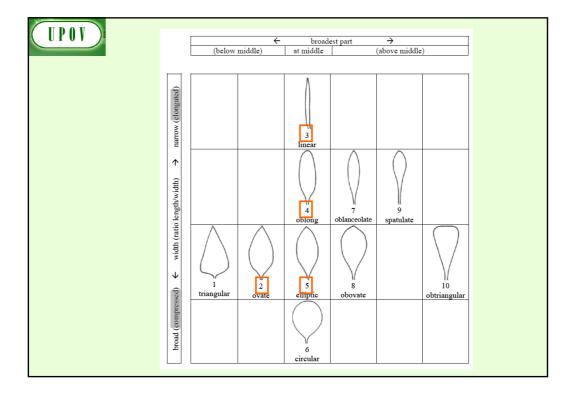
In the case of "pseudo-qualitative characteristics," the **range of expression is at least partly continuous, but varies in more than one dimension** (e.g. shape: ovate (1), elliptic (2), circular (3), obovate (4)) and cannot be adequately described by just defining two ends of a linear range. In a similar way to qualitative (discontinuous) characteristics – hence the term "pseudo-qualitative" – each individual state of expression needs to be identified to adequately describe the range of the characteristic.

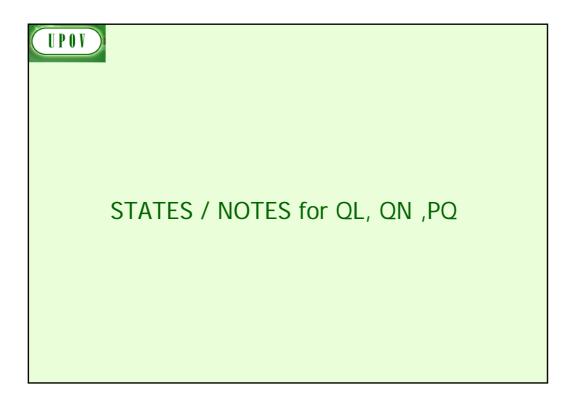












POV			litative Cha (typical exa		ics	
	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	N o te N o ti
19. VG (*) (+)	Inflorescence: type					
QL	Type 1 Type 2 Type 3		and a second	R	P.	1 2 3
		l Type 1	2 Type 2	ту	3 ppe 3	

	P 0 V	Q		<u>Characterist</u> al cases)	<u>ics</u>	
Char No.	Method of Euglish	français	deutsch	español	Example Varieties Exemples/ Beispielssorten/ Variedades ejemp	Note/ Nota
1. (*)	MS Plant: ploidy C					
QL	diploid tetraploid					2
3. (*)	VG Stem: anthocy coloration	yanin				
QL	absent				Gumpoong	1
	present				Chunpoong, Gopoong	9

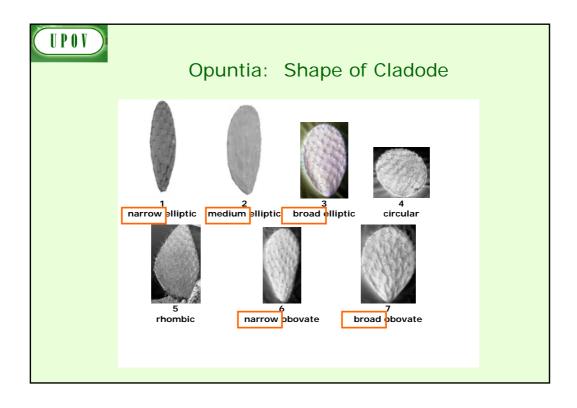
UPOV		Quantitative C weak/s			<u>istics</u>
		short/l	ons	g	
		small/	•	0	
	Note	State		Note	State
	1	very weak (or: absent or very weak)		1	very small (or: absent or very small)
	2	very weak to weak		2	very small to small
	3	weak		3	small
	4	weak to medium		4	small to medium
	5	medium		5	medium
	6	medium to strong		6	medium to large
	7	strong		7	large
	8	strong to very strong		8	large to very large
	9	very strong		9	very large

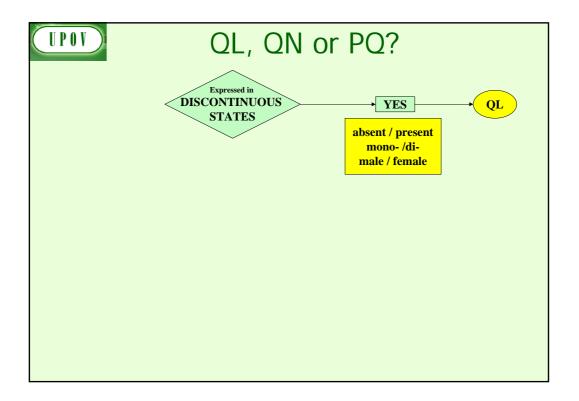
	Quantitative Ch	aracteristics	
Standard Range	Standard Range	Standard Range	Standard Range
Version 1	Version 2	Version 3	Version 4
1 very weak	1 very weak	-	-
(or: absent or very weak)	(or: absent or very weak)		
3 weak	3 weak	3 weak	3 weak
5 medium	5 medium	5 medium	5 medium
7 strong	7 strong	7 strong	7 strong
9 very strong	-	9 very strong	-

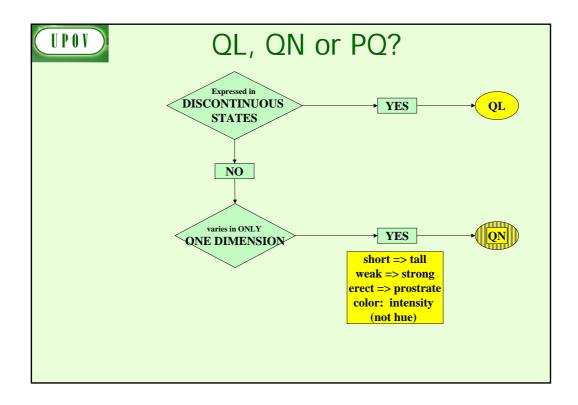
		<u>Quantitati</u>	ve Characteristi	<u>CS</u>
State	Example 1	Example 2	Trample 2	Example 4
State	Example 1 Size relative to:	Example 2	Example 3 Position:	Example 4
		Angle: very acute	at base	Length in relation to: equal
1	much smaller		albase	cyuai
	much smaller		one quarter from base	-
3	much smaller moderately smaller same size	moderately acute	one quarter from base	slightly shorter
1 3 5 7	moderately smaller		<u>^</u>	-

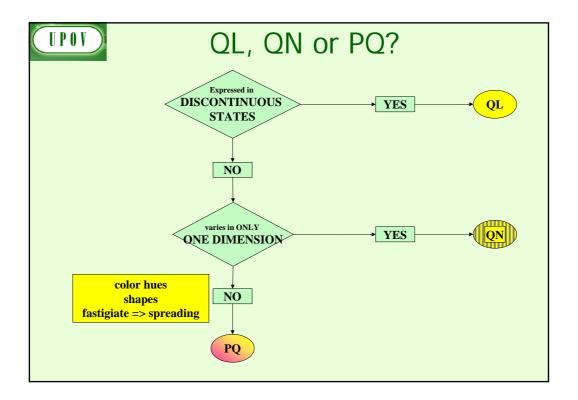
Quantitative Characteristics Limited range								
	State	Example 1 Stem: attitude						
	1 3 5	erect semi-erect prostrate						
	Co	ondensed range						
Example 1		Example 2						
1 e.g. absent or very weak (absent or very weakly expres) 2 weak	sed)	1 e.g. absent or weak (absent or weakly expressed) 2 moderate (or medium) (understate conserved)						
(weakly expressed) 3 strong (strongly expressed)		(moderately expressed) 3 strong (strongly expressed)						

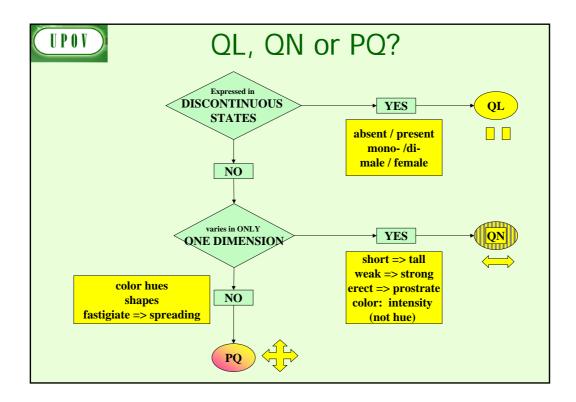
Pseudo-qualitative Characteristics (typical examples)							
24. (+)	Flower: color of the center	Fleur: couleur du centre	Farbe der Mitte	Flor: color del centro			
PQ	green	vert	grün	verde	1		
	yellow	jaune	gelb	amarillo	2		
	orange	orange	orange	naranja	3		
	pink	rose	rosa	rosa	4		
	red	rouge	rot	rojo	5		
	purple	pourpre	purpurn	púrpura	6		

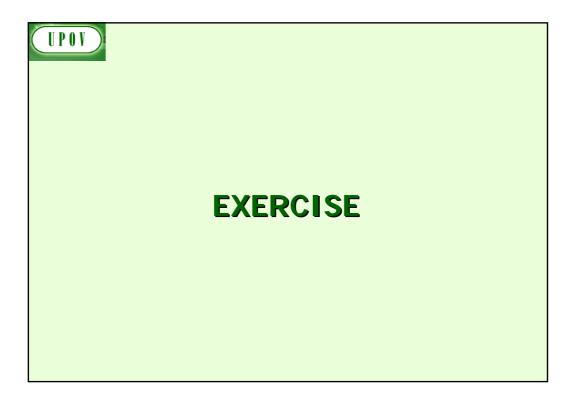


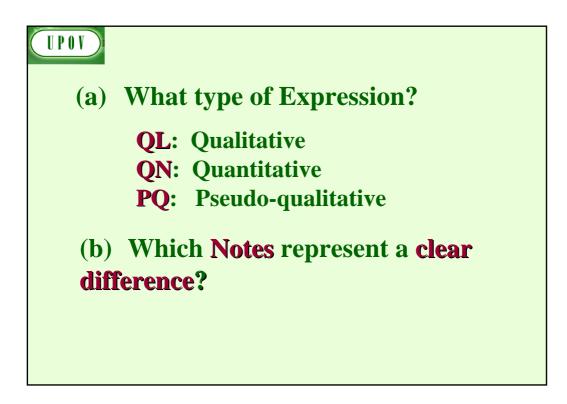


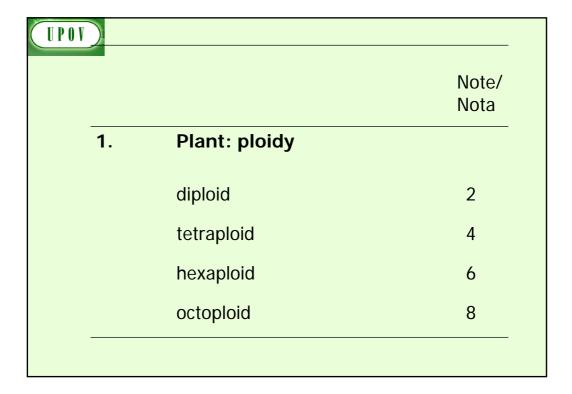


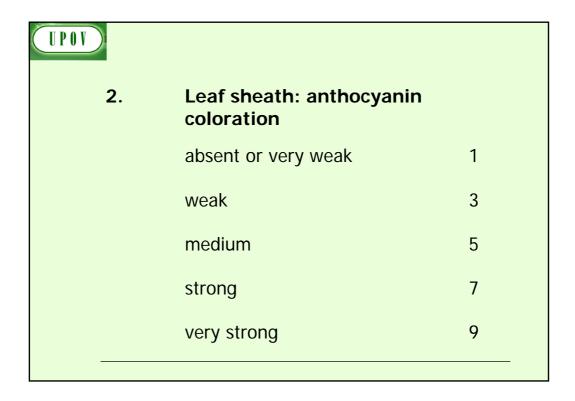


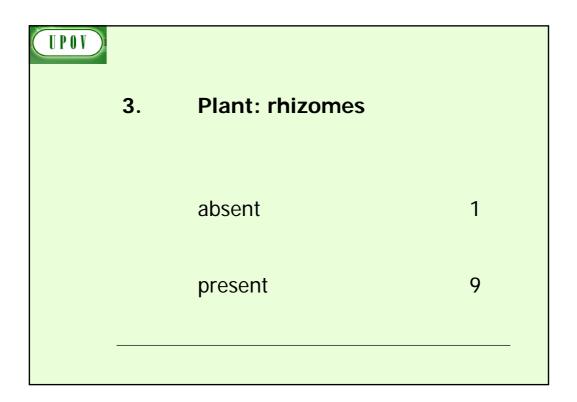




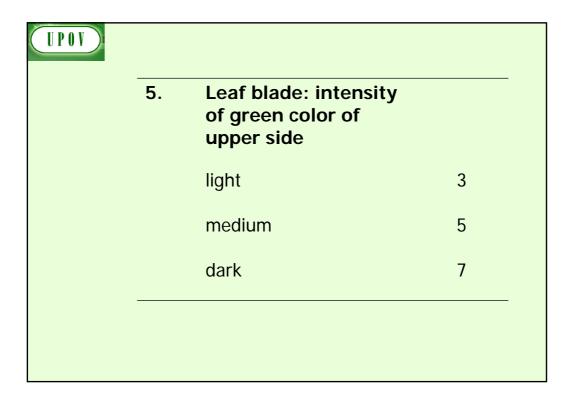


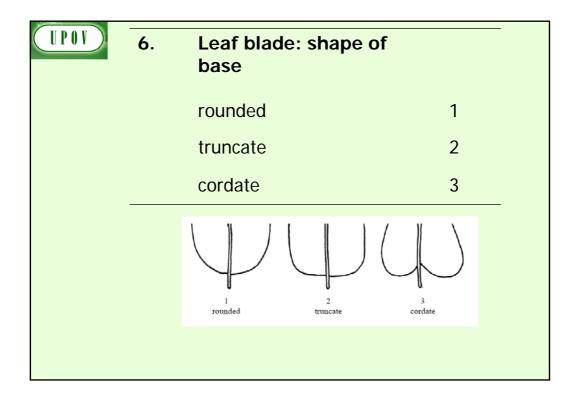


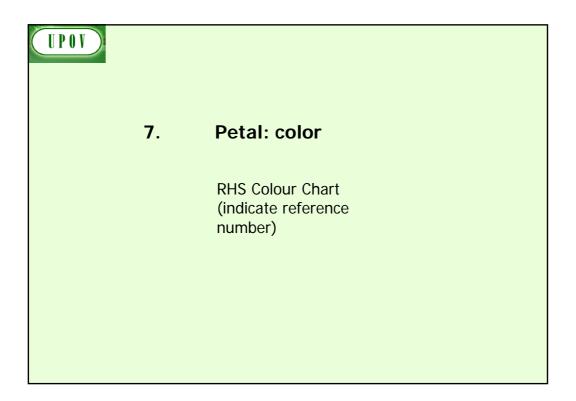




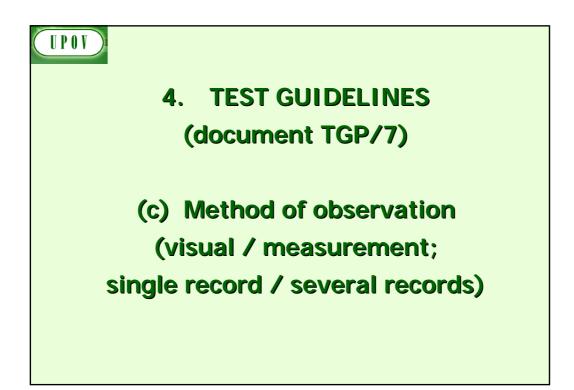
UPOV			
	4.	Petal: color	
		white	1
		yellow	2
		orange	3
		red	4
		pink	5
		purple	6

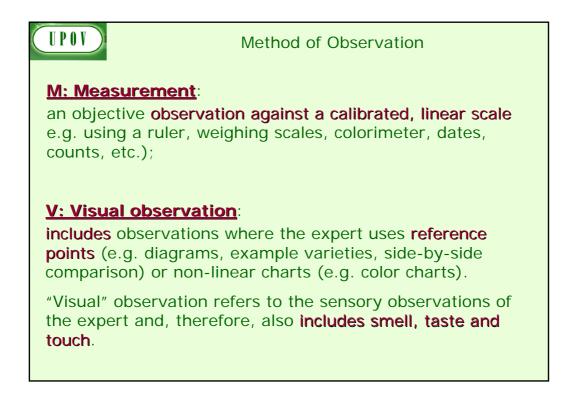


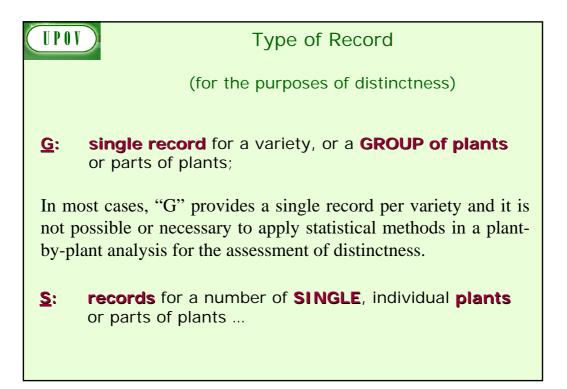


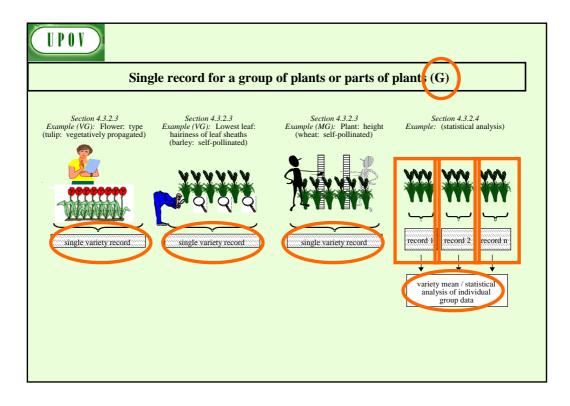


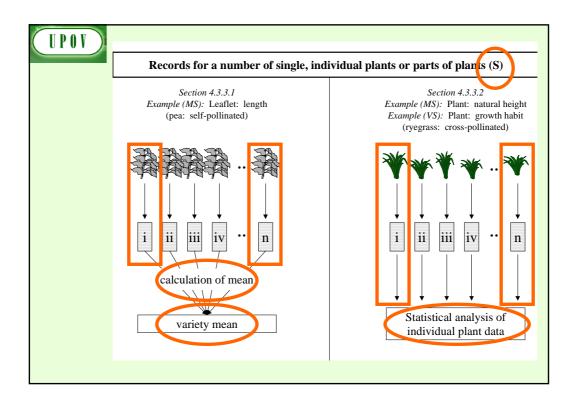
UPOV			
	8.	Leaf blade: profile in cross section	
		straight or weakly concave	1
		moderately concave	2
		strongly concave	3











UPOV	EXERCISE	
	MG ?	
	MS ?	
	VG ?	
	VS ?	

1.	Plant: height (at time of harvest)	
QN	very short	1
	short	3
	medium	5
	tall	7
	very tall	9

2.	Leaf: twisting of tip	
QN	absent or very weak	1
	weak	3
	medium	5
	strong	7
	very strong	9

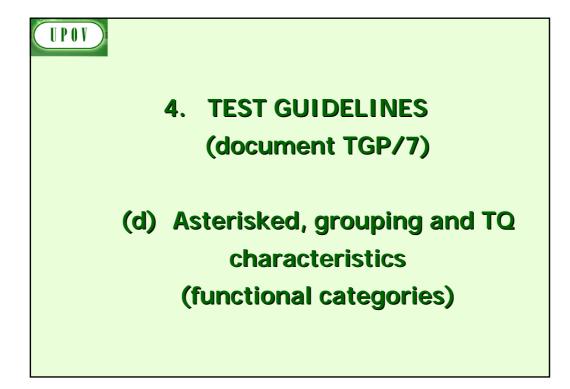
UPOV	3.	Leaf: undulation of margin of blade	
	QN	absent or very weak	1
		intermediate	2
		strong	3

4.	Tassel: number of primary lateral branches	
QN	absent or very few	1
	few	3
	medium	5
	many	7
	very many	9

UPOV			
	5.	Leaf: width of blade	
	QN	very narrow	1
		narrow	3
		medium	5
		wide	7
		very wide	9

<u>UPOV</u> 6.	Plant: time of inflorescence emergence (without vernalization)	
QN	very early	1
	early	3
	medium	5
	late	7
	very late	9

7.	Plant: vegetative growth hab (without vernalization)	it
QN	erect	1
	semi-erect	3
	medium	5
	semi-prostrate	7
	prostrate	9

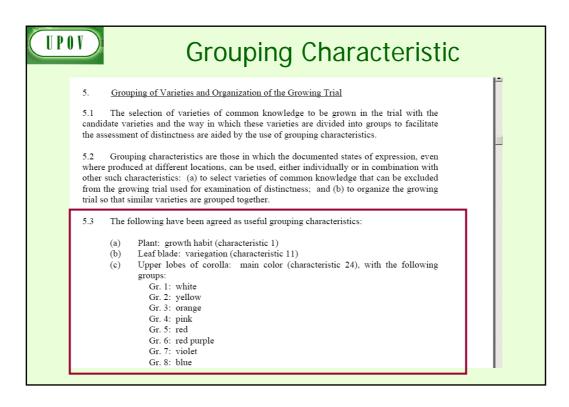


	Standard elines Characteristic
Function	Criteria
1.Characteristics that are accepted by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.	 Must satisfy the criteria for use of any characteristic for DUS as set out in Chapter 4, section 4.2. Must have been used to develop a variety description by at least one member of the Union. Where there is a long list of such characteristics and, where considered appropriate, there may be an indication of the extent of use of each characteristic.

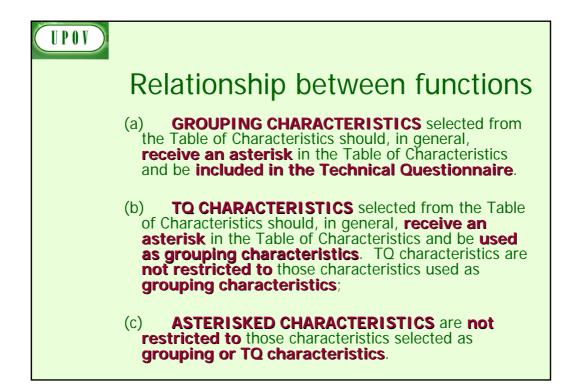
7.	Table of Characte	Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres				
Char. No.	English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
	Plant: growth habit	Plante : port	Pflanze: Wuchsform	Planta: porte		
QN	upright	dressé	aufrecht	erecto	Inuppink	1
	semi-upright	semi dressé	halbaufrecht	semierecto	D0158-1	2
	spreading	étalé	breitwüchsig	abierto	Sumnem 03	3
	semi-trailing	semi-étalé	halbhängend	semirrastrero	Inupsaf	4
	trailing	coureux	hängend	rastrero	Organza	5

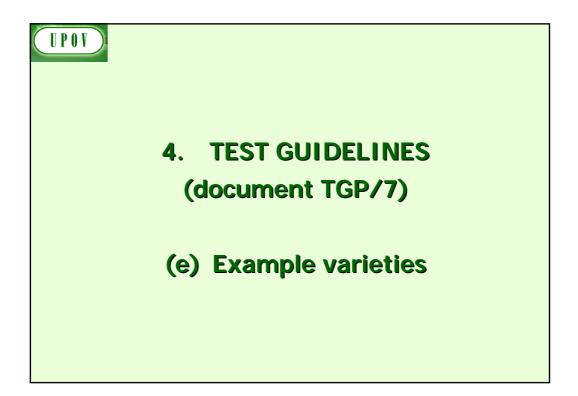
UPOV

Function	Criteria
1.Characteristics that are important for the international harmonization of variety	1.Must be a characteristic included in the Test Guidelines.
descriptions.	2. 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.
	3.Must be useful for function 1.
	4.Particular care should be taken before selection of disease resistance characteristics.



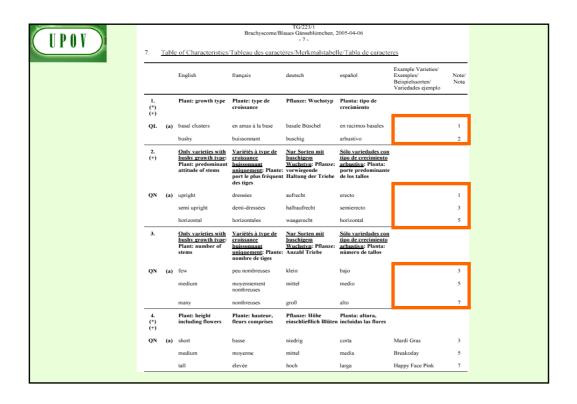
	Function	Criteria		
cha	racteristics in which the documented states of expression, even where recorded at different locations, can be used either individually or in combination with other such characteristics:	 1. (a) Qualitative characteristics or (b) Quantitative or pseudo-qualitative characteristics which provide useful discrimination between the varieties of commor knowledge from documented states of expression recorded at different locations. 		
1.	to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness, and/or	 2.Must be useful for functions 1 and 2. 3.Should be an asterisked characteristic and/or included in the Technical Questionnaire or application form. 		
2.	to organize the growing trial so that similar varieties are grouped together			

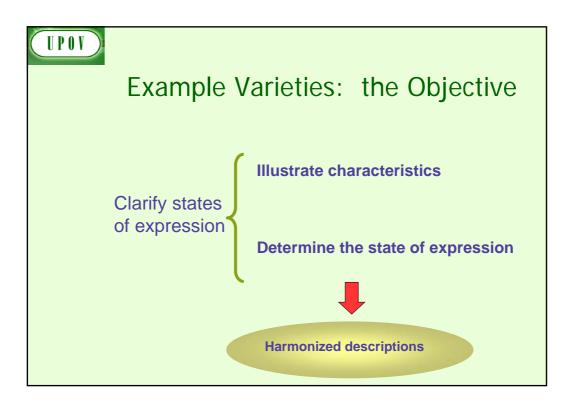


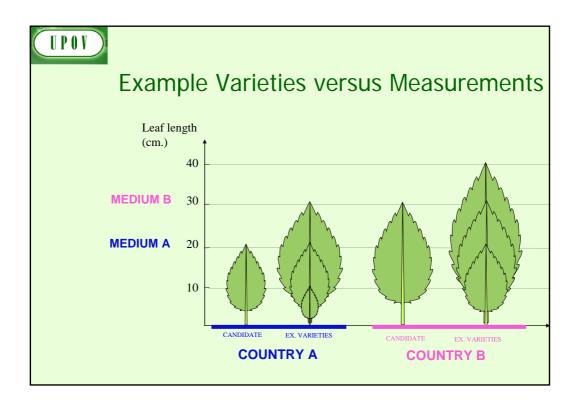


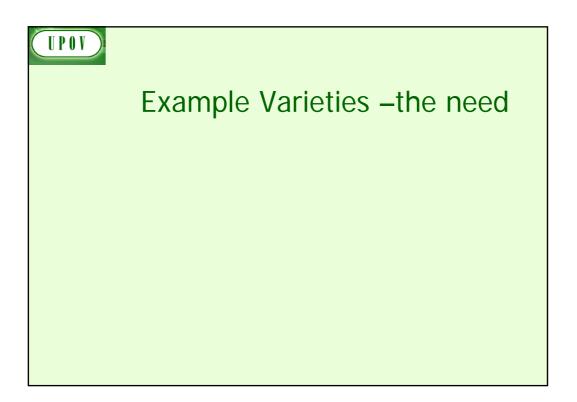
UPOV	7. <u>T</u> a	uble of Characterist	Lettuce tics/Tableau des cara	TG/13/9 /Laitue/Salat/Lechuga, - 7 - nctères/Merkmalstal		icteres	
		English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
	1. (*)	Seed: color	Semence: couleur	Samen: Farbe	Semilla: color		
		white	blanche	weiß	blanco	Verpia	1
		yellow	jaune	gelb	amarillo	Durango	2
		black	noire	schwarz	negro	Kagraner Sommer	3
	2. (*) (+)	Seedling: anthocyanin coloration	Plantule: pigmentation anthocyanique	Keimpflanze: Anthocyanfärbung	Plántula: pigmentación antociánica		
		absent	absente	fehlend	ausente	Verpia	1
		present	présente	vorhanden	presente	Pirat	9
	3.	Seedling: size of cotyledon (fully developed)	Plantule: taille du cotylédon (à complet développement)	Keimpflanze: Größe des Keimblatts (voll entwickelt)			
		small	petit	klein	pequeño	Romance	3
		medium	moyen	mittel	medio	Expresse	5
		large	grand	groß	grande	Verpia	7

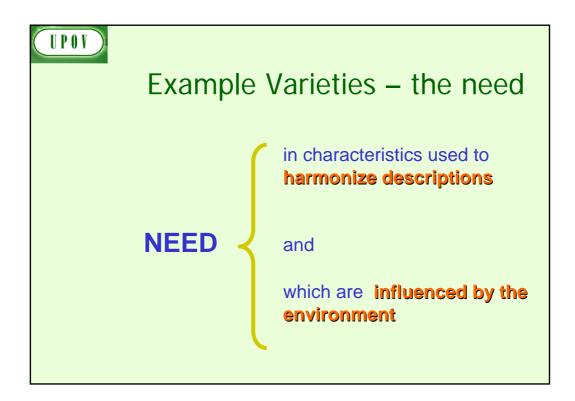
				TC/210/1			
TG/219/1 Perilla/Pérille/Perilla/2004-03-31 - 10 -							
		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
14.	VG	Leaf blade: intensity of purplish color of <u>lower</u> side		Blattspreite: Intensität der Purpurfarbe der Unterseite	Limbo: intensidad del color purpúreo del envés		
QN	(a)	very light	très claire	sehr hell	muy claro		1
		light	claire	hell	claro	Perlime	3
		medium	moyenne	mittel	medio		5
		dark	foncée	dunkel	oscuro	Регго	7
		very dark	très foncée	sehr dunkel	muy oscuro	Bora, Purple	9
15.	VG	Leaf blade: profile	Limbe: profil	Blattspreite: Profil	Limbo: perfil		
QN	(a)	concave	concave	konkav	cóncavo	Perro	3
		plane	plan	flach	plano	Pergro, Saeyeupsil	5
		convex	convexe	konvex	convexo		7

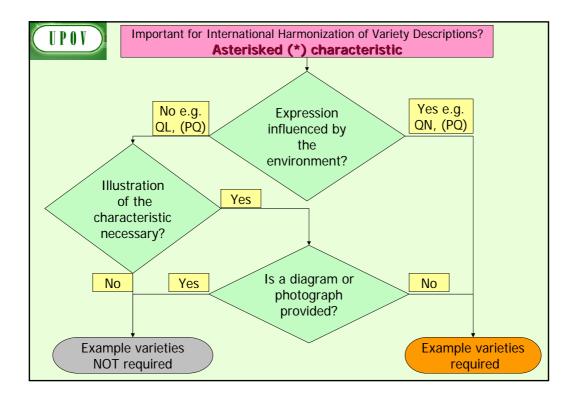


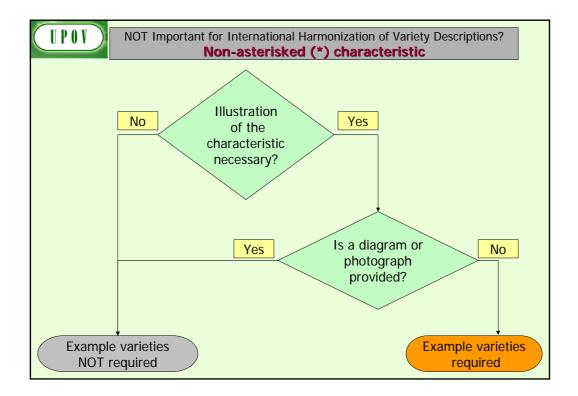


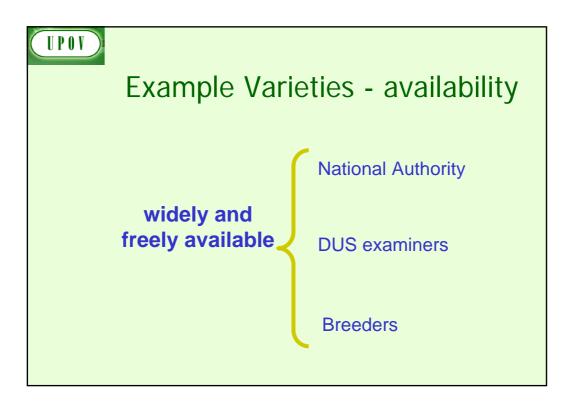


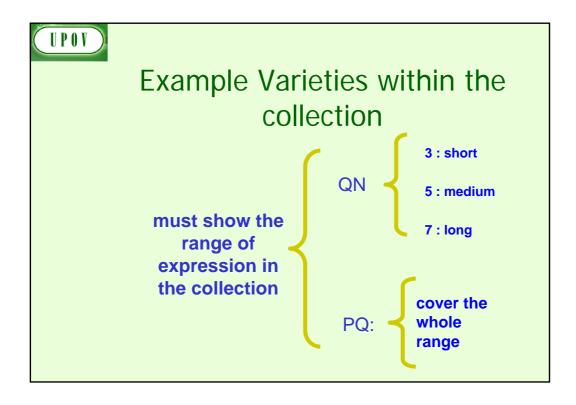


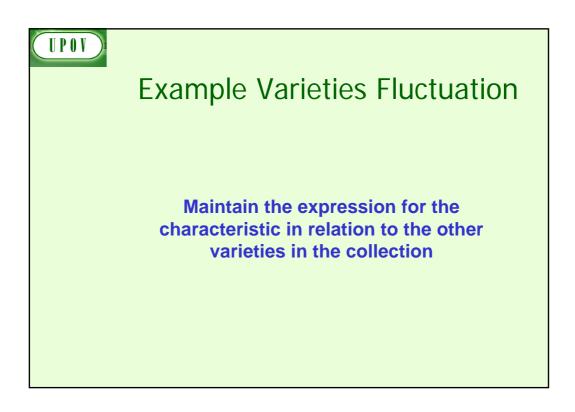


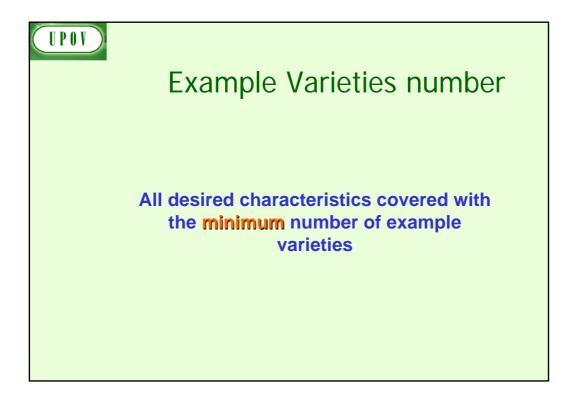


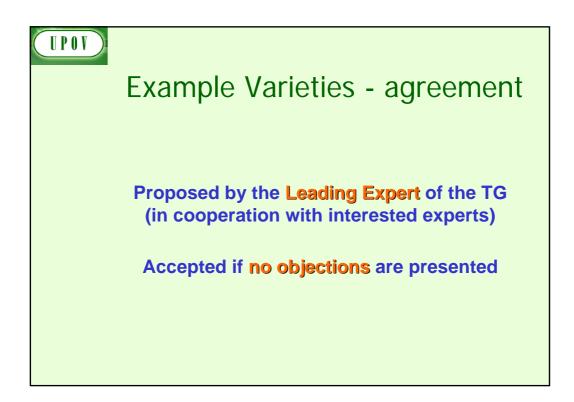


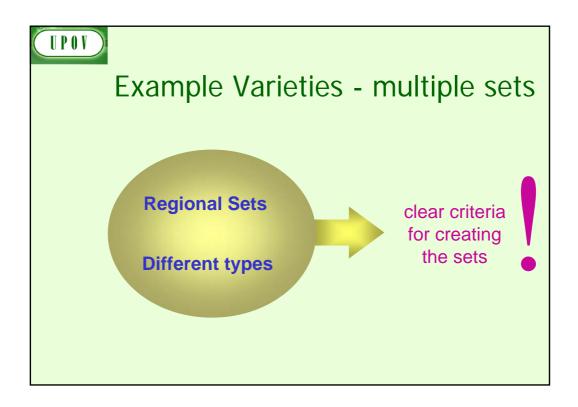


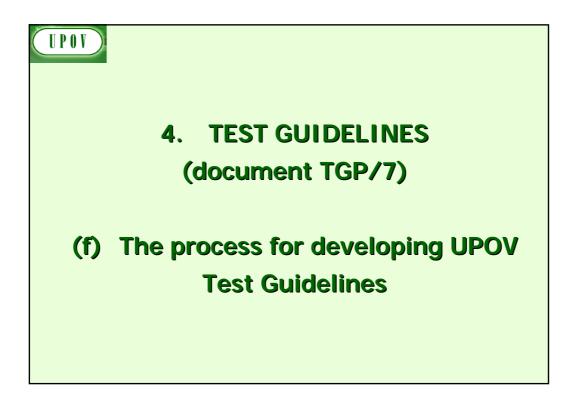


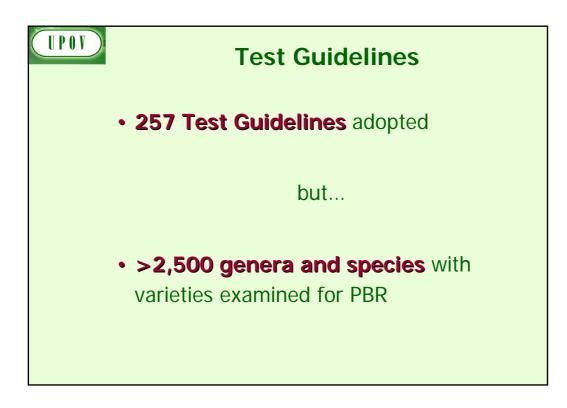


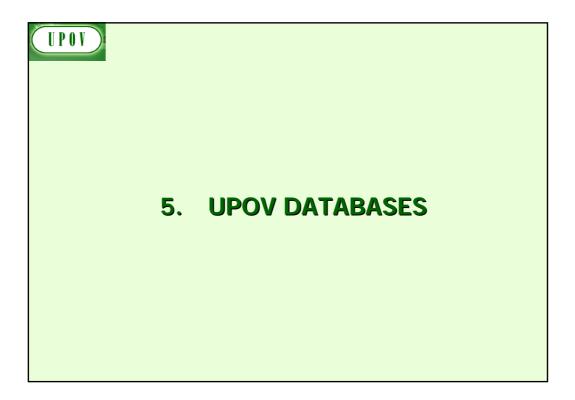


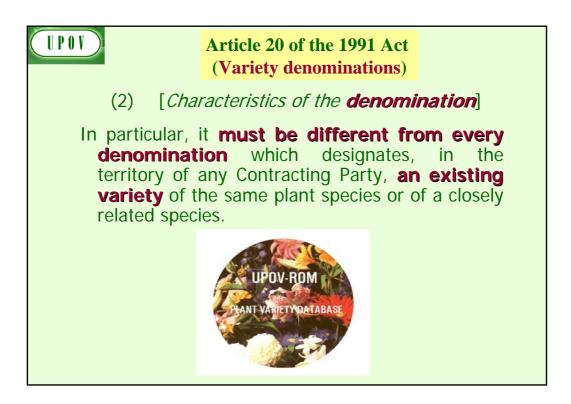


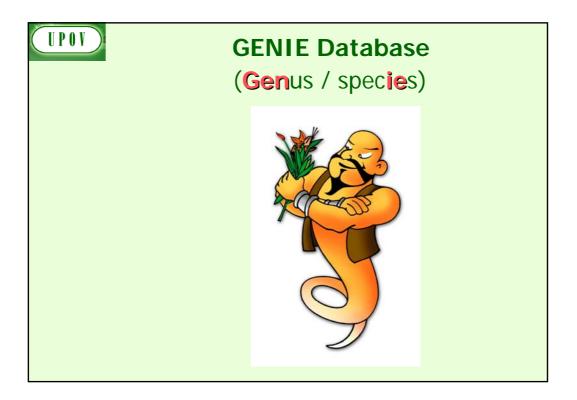


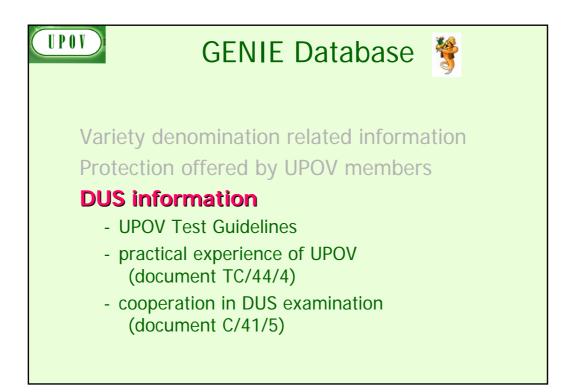


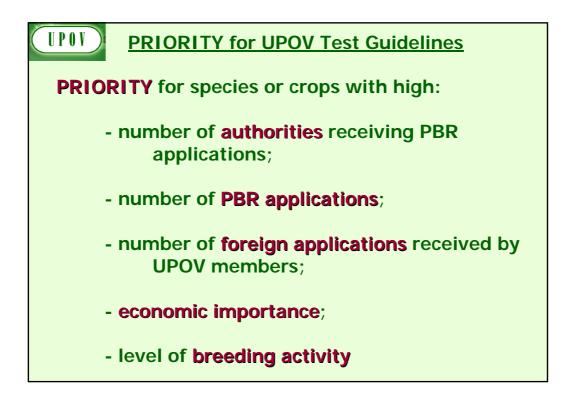




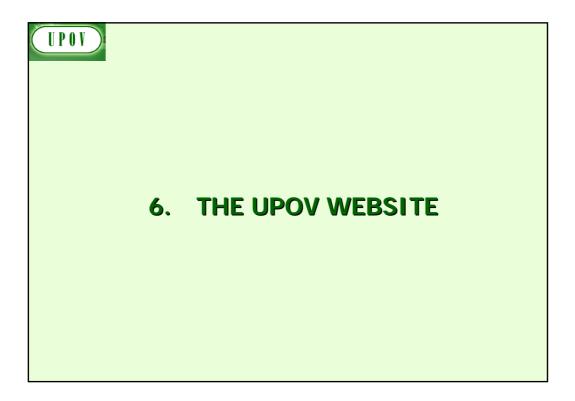








EXAMPLE (New Test Gu	idelines)
Test Guidelines: <i>Plantus magnifica</i> (Common na	
Technical Working Party: TWX	
TWX (2005): TWX (2006): TWX (2007): Enlarged Editorial Committee (2008): Technical Committee (2008): Final adopted document (2008):	Alpha (proj. 1) Alpha (proj. 2) Alpha (proj. 3) Alpha (proj. 4) Alpha (proj. 5) TG/500/1



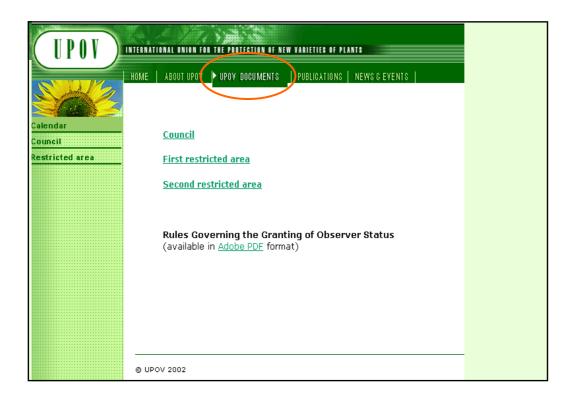








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	Y DOQUMENTS PUBLIGATIONS NEWS & EVENTS
Key Issues	
Impact Study	UPOV Report on the Impact of Plant Variety Protection (UPOV Publication 353(E)) (<u>Adobe PDE</u>)
Breeder's exemption	Breeder's exemption in the 1978 and the 1991 Act of the UPOV Convention $(\underline{AdobePDF})$
Notion of Breeder and Common Knowledge	The Notion of Breeder and Common Knowledge (<u>Adobe PDF</u>)
Genetic Resources and Benefit- Sharing	Reply of January 23, 2009, to the letter of the Executive Secretary of the Secretariat of the Convention on Biological Diversity (CBD) of December 19, 2008, providing a peer review of the draft "Study on the relationship between the ABS International Regimen and other international instruments which govern the use of genetic resources: The World Trade Organization (WTO); the World Intellectual Property Organization (WIPO); and the Union for the Protection of New Varieties of Plants (UPOV)* (Letter of UPOV) (Comments of UPOV on Draft Study)
	Letter to the Executive Secretary of the Secretariat of the Convention on Biological Diversity (CBD) containing a decision of the Council of UPOV for consideration by the Conference of Parties of the CBD at its ninth meeting to be held in Bonn, Germany, from May 19 to 30, 2008 ($\underline{Adobe PDF}$)
	Access to Genetic Resources and Benefit-Sharing (Reply of UPOV to the Notification of April 12, 2005, from the Executive Secretary of the Convention on Biological Diversity (CBD)) (Adobe PDF)



(UPOV)	INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
	HOME ABOUT UPOV UPOV DOCUMENTS PUBLICATIONS NEWS & EVENTS
UPOV Convention	LIST OF UPOY PUBLICATIONS*
List of Publications Gazette & Newsletter	The following UPOV publications are available on request:
Laws & Treaties	Abbreviations:
List of Taxa Protected	
Plant Variety	A = Arabic, C = Chinese, D = Dutch, E = English, F = French, FEG = French/English/German,
FLUCECIUM Statistics	G – German, I = Italian, J = Japanese, P = Portuguese, R = Russian, S = Spanish
General Introduction to DUS	221 (A) International Convention for the Protection
TGP Documents	ČĆ Plants,
Test Guidelines	(D) text of 1991 only (E)
Practical Technical Knowledge	(F) (G)
Cooperation in Examination	(I) (P)
Plant Variety Database	(R) (S)
Training courses	

