

**Working Group on Biochemical and Molecular Techniques
and DNA-Profiling in Particular****BMT/17/4****Seventeenth Session
Montevideo, Uruguay, September 10 to 13, 2018****Original:** English
Date: September 5, 2018

PREPARATORY INFORMATION*Document prepared by the Office of the Union**Disclaimer: this document does not represent UPOV policies or guidance*

The Annex to this document contains a copy of a presentation “Preparatory Information” to be made by the Office of the Union at the seventeenth session of the Working Group on Biochemical and Molecular Techniques and DNA-Profiling in Particular.

[Annex follows]

**Working Group on Biochemical and Molecular Techniques
and DNA-Profiling in Particular (BMT)
Seventeenth Session**

Preparatory Information

Office of the Union - UPOV

Montevideo, Uruguay, September 10 -13, 2018

UPOV

International Union for the Protection of New Varieties of Plants

Preview

1. Introduction to UPOV
2. Overview of the Technical Working Parties (TWPs)
3. Guidance on DUS examination
4. Role of the TWPs and BMT
5. The UPOV website
6. Agenda for the BMT Session
7. The Concept of Essentially Derived Varieties
8. The Role of UPOV in Variety Identification
9. UPOV PRISMA PBR Application Tool

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UPOV: INDEPENDENT INTERGOVERNMENTAL ORGANIZATION

The International **Convention for the Protection of New Varieties of Plants**

established in 1961

The International **Union for the Protection of New Varieties of Plants**

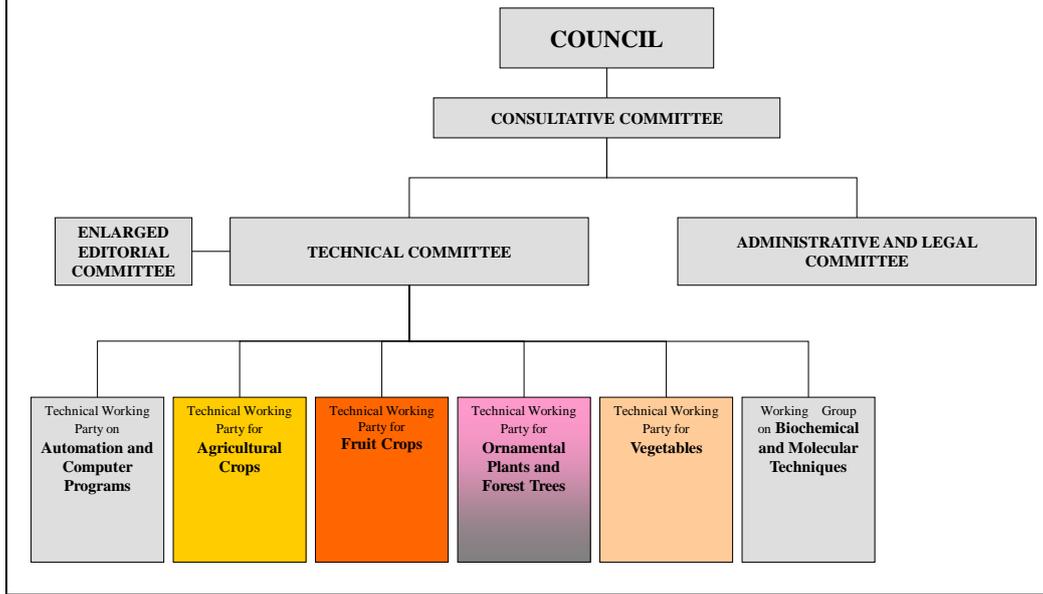
Union internationale pour la protection des obtentions végétales



Preview

1. Introduction to UPOV
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UPOV Structure



Preview

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THE CONDITIONS FOR GRANTING A BREEDER'S RIGHT

Criteria to be satisfied

- NOVELTY
 - **D**ISTINCTNESS
 - **U**NIFORMITY
 - **S**TABILITY
- 
- "DUS"**

THE CONDITIONS FOR GRANTING A BREEDER'S RIGHT

Other conditions

- VARIETY DENOMINATION
- FORMALITIES
- PAYMENT OF FEES

NO OTHER CONDITIONS!

Guidance for DUS Examination

facilitates:

BEST PRACTICE (based on experience)

- => good decisions
- => good definition of the object of protection
(strong protection)
- => efficiency in method of examination (learn from the best)

HARMONIZATION

- => efficiency
 - mutual acceptance of DUS reports
(minimize cost of examination for individual authorities)
 - mutual recognition of variety descriptions
(all parties speak the same "language")
 - simple and cheap system for applicants
(minimize cost for breeders)

UPOV provides guidance by:

- The "General Introduction" (TG/1/3)
 - General technical principles
 - Organization of DUS Testing
 - Associated "TGP" Documents
(e.g. statistical methods)

= version 3

"General Introduction to the Examination Of Distinctness,
Uniformity And Stability and the Development of Harmonized
Descriptions of New Varieties of Plants"

TG/1/3 General Introduction



"Associated" TGP Documents

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

"CHARACTERISTICS"

- may have direct commercial relevance
 - Flower color (ornamental)
 - Fruit color
- but commercial relevance NOT required
 - Leaf shape

Selection of Characteristics

The basic requirements that a characteristic should fulfill before it is used for DUS testing or producing a variety description are that its expression (TG/1/3: Section 4.2.1) :

- (a) **results from a given genotype** or combination of genotypes;
- (b) is sufficiently **consistent and repeatable** in a **particular environment**;
- (c) exhibits sufficient **variation between varieties** to be able to establish distinctness;
- (d) is capable of **precise definition and recognition**;
- (e) allows **uniformity requirements** to be fulfilled;
- (f) allows **stability requirements** to be fulfilled, meaning that it produces consistent and repeatable results after repeated propagation or, where appropriate, at the end of each cycle of propagation.

Selection of Characteristics

- Yield ???
 - Straw strength ???
- Etc.

Selection of Characteristics

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	

Selection of Characteristics

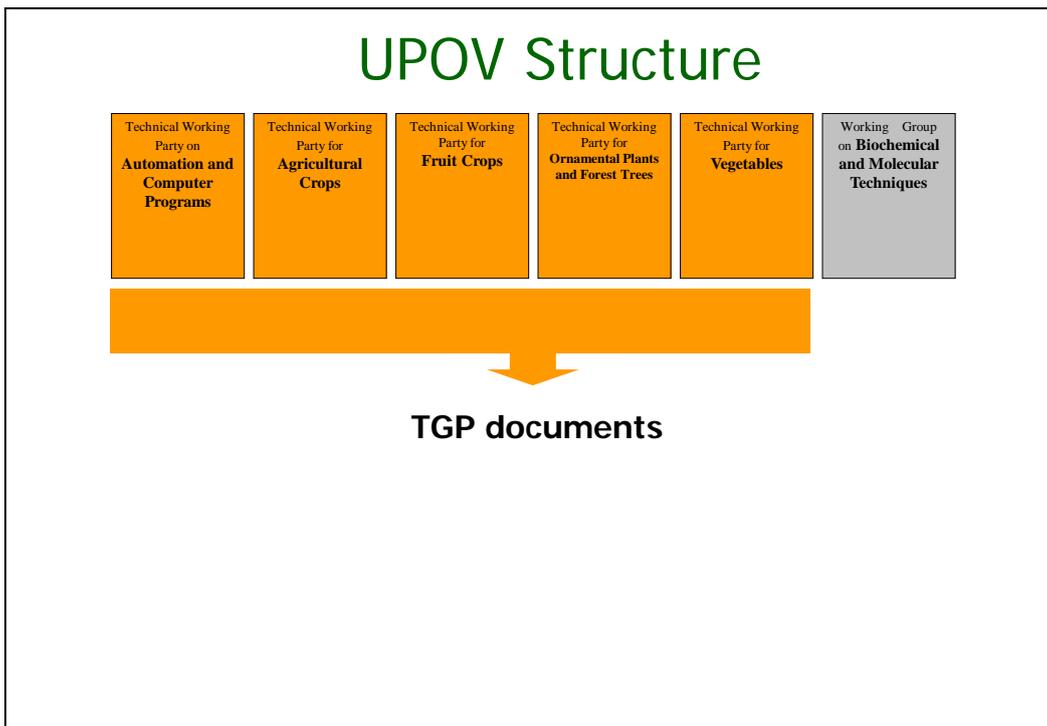
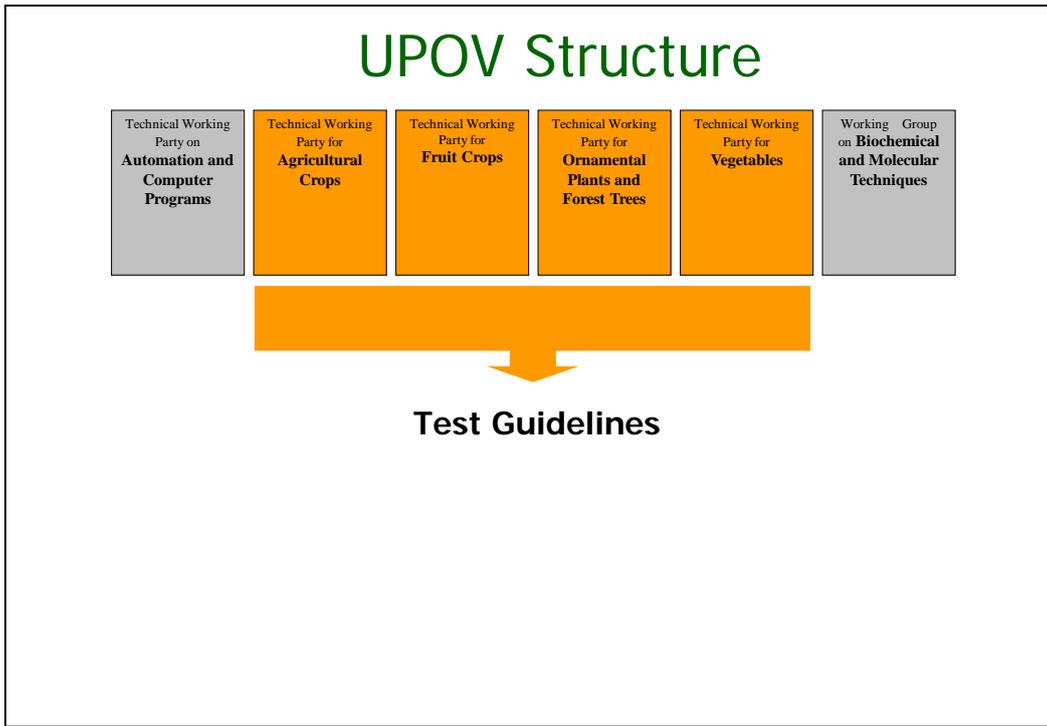
Criteria	Fruit: color	Leaf: shape	Yield
(a) results from a given genotype or combination of genotypes	Yes	Yes	Yes
(b) sufficiently consistent and repeatable in a particular environment	Yes	Yes	(No)
(c) exhibits sufficient variation between varieties to be able to establish distinctness	Yes	Yes	???
(d) 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

Special Characteristics: Disease Resistance

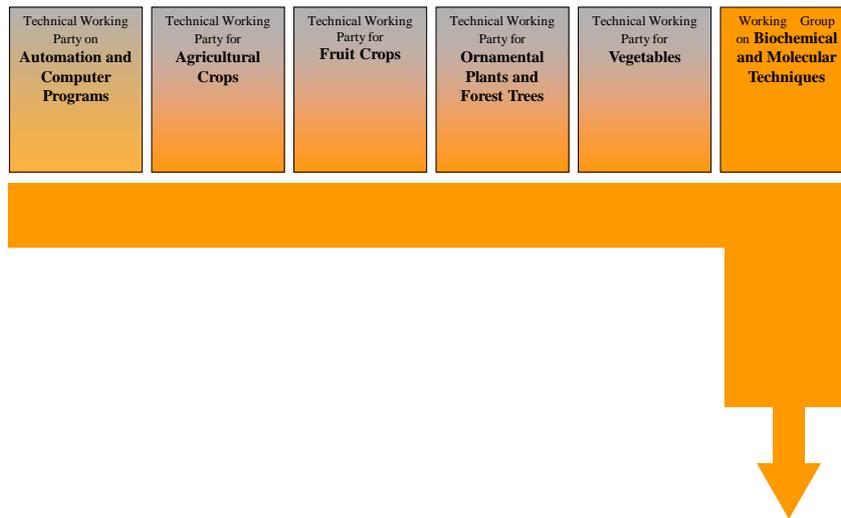
Criteria	Disease Resistance
(a) results from a given genotype or combination of genotypes	*Knowledge of nature of genetic control of resistance is important
(b) sufficiently consistent and repeatable in a particular environment	*Standardize conditions (greenhouse / laboratory) & methodology *Standardize inoculum *Ring-test
(c) exhibits sufficient variation between varieties to be able to establish distinctness	*Susceptible / Resistant OR varying degrees of resistance?
(d) is capable of precise definition and recognition	*Define and recognize races and strains
(e) allows uniformity requirements to be fulfilled	see above
(f) allows stability requirements to be fulfilled	see above
	<i>Difficult and expensive</i>

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UPOV Structure



Role of the BMT

The BMT is a group open to DUS experts, biochemical and molecular specialists and plant breeders, whose role is to:

- (i) Review general developments in biochemical and molecular techniques;
- (ii) Maintain an awareness of relevant applications of biochemical and molecular techniques in plant breeding;
- (iii) Consider the possible application of biochemical and molecular techniques in DUS testing and report its considerations to the TC;
- (iv) If appropriate, establish guidelines for biochemical and molecular methodologies and their harmonization [...];
- (v) Consider initiatives from TWPs, for the establishment of crop specific subgroups [...];
- (vi) Develop guidelines regarding the management and harmonization of databases of biochemical and molecular information, in conjunction with the TWC;
- (vii) Receive reports from Crop Subgroups and the BMT Review Group;
- (viii) Provide a forum for discussion on the use of biochemical and molecular techniques in the consideration of essential derivation and variety identification.

Role of the BMT

Consider the possible application of biochemical and molecular techniques in DUS testing

(see document BMT/12/2: Annex, page 2)

The BMT is a group open to DUS experts, biochemical and molecular specialists and plant breeders, whose role is to: [...]

- (iii) Consider the possible application of biochemical and molecular techniques in DUS testing and report its considerations to the TC;
- (v) Consider initiatives from TWPs, for the establishment of crop specific subgroups [...];
- ((vii) Receive reports from Crop Subgroups and the BMT Review Group;)

⇒ UPOV/INF/18 "Possible Use of Molecular Markers in the Examination of Distinctness, Uniformity and Stability (DUS)" (2011)

⇒ TGP/15 "Guidance on the Use of Biochemical and Molecular Markers in the Examination of Distinctness, Uniformity and Stability (DUS)" (2013)

Role of the BMT

Guidance and harmonization for a range of applications

(see document BMT/12/2: Annex, page 2)

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- (iv) If appropriate, establish guidelines for biochemical and molecular methodologies and their harmonization [...];
- (vi) Develop guidelines regarding the management and harmonization of databases of biochemical and molecular information, in conjunction with the TWC;

⇒ UPOV/INF/17 "Guidelines for DNA-Profiling: Molecular Marker Selection and Database Construction ("BMT Guidelines")" (2010)

Role of the BMT

Raise awareness of general developments

(see document BMT/12/2: Annex, page 2)

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Role of the BMT

(see document BMT/12/2: Annex, page 2)

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- (viii) Provide a **forum for discussion** on the use of biochemical and molecular techniques in the consideration of **essential derivation** and **variety identification**.

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The image shows a screenshot of the UPOV website homepage. At the top, there is a navigation bar with links for 'DATA & STATISTICS', 'MEETINGS', and 'NEWS'. Below this, there is a large banner image of sunflowers with the text 'New videos on benefits of the UPOV system in Canada and Kenya'. To the right of the banner, there is a 'Stakeholder features' section with a list: 'Breeders', 'Farmers and Growers', 'Policy makers', and 'General Public'. Below this, there is a 'UPOV PRISMA PBR Application Tool' section with a red box around the 'GENIE Database' link and a red arrow pointing to it. Other links in this section include 'UPOV Lex' and 'Plant Variety Database (PLUTO)'. At the bottom right, there is a 'Quick Links' section with links for 'Introduction to UPOV', 'Benefits of UPOV', and 'UPOV Collection'. On the left side, there is a 'Welcome' section with text about the UPOV organization and its mission.

DATA & STATISTICS | MEETINGS | NEWS

New videos on benefits of the UPOV system in Canada and Kenya

Stakeholder features

- Breeders
- Farmers and Growers
- Policy makers
- General Public

UPOV PRISMA PBR Application Tool

GENIE Database

UPOV Lex

Plant Variety Database (PLUTO)

Quick Links

- Introduction to UPOV
- Benefits of UPOV
- UPOV Collection

Welcome

The International Union for the Protection of New Varieties of Plants (UPOV) is an intergovernmental organization with headquarters in Geneva (Switzerland).

UPOV was established by the International Convention for the Protection of New Varieties of Plants. The Convention was adopted in Paris in 1961 and it was revised in 1972, 1978 and 1991.

UPOV's mission is to provide and promote an effective system of plant variety protection, with the

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GENIE Database (Genus / species)



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GENIE Database



Variety denomination related information

Protection offered by UPOV members

DUS information

- UPOV Test Guidelines
- practical experience (UPOV members)
- cooperation in DUS examination

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UPOV

GENIE DATABASE

GENIE DATABASE

GENIE Database

List of Crop / Species

List of Authorities

Standard Reports

UPOV Code System

UPOV Code Reports and Changes

Plant Variety Database

Triticum aestivum L. (TRITI_AES) 

Names & Denomination Class

Names & Denomination Class Protection **DUS Guidance and Cooperation**

UPOV Principal Botanical Name: **Triticum aestivum L.**

Other Botanical Names: **Triticum aestivum L. emend. Fiori et Paol.**

English Common Names: **Wheat**

French Common Names: **Blé**

German Common Names: **Weizen**

Spanish Common Names: **Trigo**

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Triticum aestivum L. (TRITI_AES) 

DUS Guidance and Cooperation

Names & Denomination Class Protection **DUS Guidance and Cooperation**

UPOV Principal Botanical Name: **Triticum aestivum L.** UPOV Code:

Other Botanical Names: **Triticum aestivum L. emend. Fiori et Paol.**

English Common Names: **Wheat**

UPOV Test Guidelines: TG/3/12TG/3/11 + Corr.
Entries between ^ ^ indicate Test Guidelines that cover a lower botanical rank (for example in the case of a genus: there are Test Guidelines at the level of one of the species in the genus).

Drafting Authority

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Triticum aestivum L. (TRITI_AES) 

DUS Guidance and Cooperation

Names & Denomination Class | Protection | **DUS Guidance and Cooperation**

UPOV Principal Botanical Name: Triticum aestivum L. UPOV Code: TRITI_AES

Other Botanical Names: Triticum aestivum L. emend. Fiori et Paol.

English Common Names: Wheat

Cooperation in DUS Examination (key to [abbreviations](#))

- [Authorities with Practical Experience](#)
- [Agreements for Cooperation in DUS Examination](#)
- [Utilization of Existing DUS Reports](#)

None

Authorities with Practical Experience

Entries in parenthesis indicate experience at the level of a higher botanical rank (for example in the case of a species: there is experience at the level of the genus to which it belongs).

Agreements for Cooperation in DUS Examination

➤ in the receiving column indicates that the authority specified in the column is interested in the examinations for any interested member of the Union.

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Authorities with Practical Experience

Triticum aestivum L. (TRITI_AES) 

Entries in parenthesis indicate experience at the level of a higher botanical rank (for example in the case of a species: there is experience at the level of the genus to which it belongs).

Entries between ^ ^ indicate experience at the level of a lower botanical rank (for example in the case of a genus: there is experience at the level of one the species in the genus).

AUTHORITY	NOTES
Albania	
Argentina	
Austria	
Azerbaijan	
Belarus	
^Belgium^	

etc.

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Agreements for Cooperation in DUS Examination

Triticum aestivum L. (TRITI_AES)



<> in the receiving column indicates that the authority specified in the offering column offers to carry out examinations for any interested member of the Union.

(): Genus or species covered by agreement for a taxon of a higher rank to which it belongs (e.g. in the case of a species: the genus or family is covered by an agreement).

OFFERING AUTHORITY / EXAMINATION OFFICE	AUTHORITIES RECEIVING EXAMINATION REPORTS	NOTES
(<-)	(Switzerland)	(Switzerland): DUS tests are not conducted in Switzerland. In cases where a DUS test report is not available from a member of the Union, the Office of Plant Variety Protection will request an appropriate authority or testing of a member of the Union to perform a DUS test on its behalf.
Austria	European Union (Community Plant Variety Office (CPVO))	
Belgium	European Union (Community Plant Variety Office (CPVO))	
Bolivia (Plurinational State of)		
Bulgaria	European Union (Community Plant Variety Office (CPVO))	
Croatia	Slovenia	

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Utilization of Existing DUS Reports

Triticum aestivum L. (TRITI_AES)



<> (utilizing) indicates that the authority specified in providing column will, in general, provide existing DUS reports to any member of the Union.

<> (providing) indicates that the authority specified in the utilizing column will, in general, utilize existing DUS reports provided by any member of the Union.

(): Genus or species covered by agreement for a taxon of a higher rank to which it belongs (e.g. in the case of a species: the genus or family is covered by an agreement).

UTILIZING AUTHORITY	PROVIDING AUTHORITY/EXAMINATION OFFICE	NOTES
<>	Australia	Australia will provide copies of all its DUS test reports to other UPOV members.
<>	Brazil	Brazil will provide copies of all its DUS test reports to other UPOV members.
<>	Canada	Canada will provide existing DUS reports to any member of the Union for any taxa for which it has experience in DUS testing.

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Utilization of Existing DUS Reports

Triticum aestivum L. (TRITI_AES)



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UTILIZING AUTHORITY	PROVIDING AUTHORITY/EXAMINATION OFFICE	NOTES
Australia	<>	Australia generally accepts DUS reports from UPOV members for any taxon except Solanum tuberosum L.. In deciding whether such test reports are wholly sufficient for the Australian examination of the variety, the Authority refers to the relevant sections of the Plant Breeder's Rights Act (1994).

Utilization of Existing DUS Reports

Triticum aestivum L. (TRITI_AES)



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UTILIZING AUTHORITY	PROVIDING AUTHORITY/EXAMINATION OFFICE	NOTES
Australia	Japan	
Australia	New Zealand	
Austria	Slovenia	
Belarus	European Union (Community Plant Variety Office (CPVO))	
Belarus	Germany	

DATA & STATISTICS
MEETINGS
NEWS

New videos on benefits of the UPOV system in Canada and Kenya

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Stakeholder features

- Breeders
- Farmers and Growers
- Policy makers
- General Public

UPOV PRISMA
PBR Application Tool

GENIE Database

UPOV Lex

Plant Variety Database (PLUTO)

Quick Links

- Introduction to UPOV
- Benefits of UPOV
- UPOV Collection

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Plant Variety Database: PLUTO

ABOUT UPOV MEMBERSHIP UPOV SYSTEM PVP DATA & STATISTICS MEETINGS NEWS

HOME » PVP DATA & STATISTICS » PLUTO » [New: Video Tutorial](#)

PLUTO: Plant Variety Database
The data currently in Plant Variety Database (PLUTO) was last updated on 2018-06-13.

Term Search Denomination Search

SEARCH BY

UPOV Code [lookup]
Denomination
Record type
Application Date
Botanical name

FILTER BY

Source	Type	Status	End Type	Grant Date	End Date		
NL	201,843	FR	199,569	GB	177,291	DE	178,505
IT	167,873	PL	166,273	ES	165,224	CZ	157,173
DK	155,675	SK	154,394	HU	153,906	AT	149,806
HR	148,261	SE	146,517	BG	146,232	BE	145,927
RO	145,241	SI	144,983	PT	144,815	LT	144,127
EE	143,719	LV	142,498	MT	141,223	LU	141,223
GR	141,223	CY	141,223	IE	141,223	FI	141,223
OZ	141,223	QM	65,955	US	47,044	RU	33,404

search

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UPOV code: containing "PRUNU" **Denomination: containing "red"**

HOME » PVP DATA & STATISTICS » PLUTO » [New: Video Tutorial](#)

PLUTO: Plant Variety Database
The data currently in Plant Variety Database (PLUTO) was last updated on 2018-06-13.

Term Search Denomination Search

SEARCH BY

UPOV Code [lookup]
Denomination
Record type
Application Date
Botanical name

FILTER BY

Source	Type	Status	End Type	Grant Date	End Date		
US	41	CL	0	AU	0	IT	1

Current Search
UPOV: prunu Den: red

Current Filter
clear

UPOV Code	Country	Type	Botanical Name	Common Name	App. No	App. Date	Grant date	Denomination
PRUNU	IT	PBR	Prunus L.	SUSINO GIAPPONESE	1238W/1008_1028M/101	1008-08-08	2008-12-22	Red noble
PRUNU	CL	PBR	Prunus sp.	Interspecifico de Prunus	1417	2010-07-13	2014-11-11	Blackred I
PRUNU	CL	PBR	Prunus sp.	Interspecifico de Prunus	1418		2014-11-11	Blackred III
PRUNU	CL	PBR	Prunus sp.	Interspecifico de Prunus	1419	2010-07-13	2014-11-11	Blackred VI
PRUNU	CL	PBR	Prunus sp.	Interspecifico de Prunus	1418		2014-11-11	Blackred X
PRUNU	CL	PBR	Prunus sp.	Interspecifico de Prunus	1422	2010-07-13	2014-11-11	Plumred I
PRUNU	CL	PBR	Prunus sp.	Interspecifico de Prunus	1433	2010-07-13	2014-11-11	Plumred VI
PRUNU	US	PLP	Interspecific Prunus species	Interspecific tree	1337393	2011-12-01	2013-06-18	Ruby Red
PRUNU	US	PLP	Prunus sp.	Interspecific tree	1337414	2011-12-08	2013-06-25	Plumred VII

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UPOV code: containing "PRUNU" **Denomination: containing "red"**

HOME » PVP DATA & STATISTICS » PLUTO » [New: Video Tutorial](#)

The data currently in Plant Variety Database (PLUTO) was last updated on 2015-04-24.

Term Search Denomination Search

SEARCH BY

+ UPOV Code "*" [lookup]

+ Denomination "*" [lookup]

+ Record type = [lookup]

+ Application Date = > [lookup]

+ Botanical name = > [lookup]

FILTER BY

	Source	Type	Status	End Type	Grant Date	End Date	
US	137	FR	102	ES	63	IT	43
SI	39	NL	38	CZ	37	HU	37
SK	36	RO	34	PL	33	MT	32
LU	32	GR	32	CY	32	SE	32
PT	32	LV	32	LT	32	IE	32
HR	32	GB	32	FI	32	EE	32
DK	32	DE	32	BG	32	BE	32
AT	32	QZ	32	ZA	27	AU	24

Sort: Count - desc Display: List

Current Search: UC:"prunu" DEN:"red"

UPOV Code	Country	Type	Botanical Name	Common Name	App. No	App. Date	Grant date	Denomination
PRUNU	US	PLP	Prunus sp.	Interspecific tree	11634854	2006-12-07	2008-03-25	PLUMRED I
PRUNU	US	PLP	Prunus sp.	Interspecific tree	11634856	2006-12-07	2008-03-25	BLACKRED III
PRUNU	US	PLP	Prunus sp.	Interspecific tree	11984892	2007-11-26	2008-12-02	Blackred I
PRUNU	US	PLP	Prunus sp.	Interspecific tree	11984899	2007-11-26	2008-12-16	Blackred V
PRUNU	US	PLP	Prunus sp.	Interspecific tree	11984896	2007-11-26	2008-12-23	PLUMRED 45

UPOV code: containing "PRUNU" **Denomination: containing "red"**

HOME » PVP DATA & STATISTICS » PLUTO » [New: Video Tutorial](#)

The data currently in Plant Variety Database (PLUTO) was last updated on 2018-06-13.

Term Search **Denomination Search**

Search for UPOV Codes you are interested in. Clicking on an item in the list will add that item to the UPOV Code search box in the

UPOV Code = prunu [lookup]

Denomination = red x

Search Type: Similarity Factor

- Similarity Factor
- Fuzzy
- Phonetic
- Contains
- Starts
- Ends

search

UPOV code: containing "PRUNU" **Denomination: containing "red"**

HOME » PVP DATA & STATISTICS » PLUTO »

PLUTO: Plant Variety Database **New: Video Tutorial**

The data currently in Plant Variety Database (PLUTO) was last updated on 2015-04-15.

Term Search | **Denomination Search**

UPOV Code = [lookup]

Denomination =

Search Type: **Similarity Factor**

- Similarity Factor
- Fuzzy
- Phonetic
- Contains
- Starts
- Ends

search

es/pmr/en/

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UPOV Code = [lookup]

Denomination =

Search Type: Contains

search

Search type: contains (Denomination)
Text tested: *red*
Denomination class: (PRUNU)
Denominations Compared: 16199
Total Displayed: 504

Relevance	Denomination	Botanical Name
5.00	Swired	Prunus armeniaca L.
5.00	Bredska	Prunus armeniaca L.
5.00	Redwin	Prunus persica (L.) Ratsch
5.00	Dixired	Prunus avium (L.) L.
5.00	Redhaven	Prunus avium (L.) L.
5.00	Western Red	Prunus avium (L.) L.

UPOV Code = [lookup]

Denomination =

Search Type: Phonetic

search

Search type: phonetic (Denomination)
Text tested: red
Denomination class: (PRUNU)
Denominations Compared: 16199
Total Displayed: 271

Relevance	Denomination	Botanical Name
7.78	RADU	Prunus avium (L.) L.
7.78	Radu	Prunus avium (L.) L.
7.78	Radu	Prunus armeniaca L.
		Prunus avium (L.) L.
		Prunus avium (L.) L.

UPOV Code = [lookup]

Denomination =

Search Type: Ends

search

Search type: ends (Denomination)
Text tested: *red
Denomination class: (PRUNU)
Denominations Compared: 16199
Total Displayed: 400

Relevance	Denomination	Botanical Name
5.00	Swired	Prunus armeniaca L.
5.00	Dixired	Prunus persica (L.)
5.00	Western Red	Prunus persica (L.)
5.00	Syired	Prunus armeniaca L.

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Role of the UPOV Code

...eliminating problems of botanical synonyms

Solanum lycopersicum L. (SOLAN_LYC)



Names & Denomination Class

Names & Denomination Class	Protection	DUS Guidance and Cooperation
UPOV Principal Botanical Name:	Solanum lycopersicum L.	JPOV Code: SOLAN_LYC
Other Botanical Names:	Lycopersicon esculentum Mill.	JPOV Variety Denomination Class: CLASS 4.2
English Common Names:	Tomato; cherry tomato; tomato	List Of Classes (UPOVINF/12/4)
French Common Names:	Tomate; tomate; tomate cerise	Family: Solanaceae
German Common Names:	Kirschtomate; Tomate	Relevant Technical Working Party(s) (TWPs): TWV
Spanish Common Names:	Tomate; tomate; tomatera; tomatillo	Crop Type(s): Vegetable

Article 20

(3) [*Registration of the denomination*]

- denomination shall be submitted by the breeder to the authority.
- if it does not satisfy the requirements, the authority shall refuse to register it
- denomination shall be registered by the authority at the same time as the breeder's right is granted.

Video Tutorial of PLUTO

The screenshot shows the UPOV website interface. At the top, the UPOV logo is displayed. Below it is a navigation menu with tabs for ABOUT UPOV, MEMBERSHIP, UPOV SYSTEM, PVP DATA & STATISTICS (highlighted), MEETINGS, and NEWS. The main content area features a breadcrumb trail: HOME > PVP DATA & STATISTICS > PLUTO >. A prominent red starburst graphic contains the text "New: Video Tutorial". Below this, the text reads "PLUTO: Plant Variety Database" and "The data currently in Plant Variety Database (PLUTO) was last updated on 2015-06-15". There are two search boxes: "Term Search" and "Denomination Search". A "SEARCH BY" section contains several filterable dropdown menus: UPOV Code, Denomination, Record type, Application Date, and Botanical name, each with an equals sign and a search input field.

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<http://www.upov.int>

The screenshot shows the UPOV website homepage. At the top, the URL <http://www.upov.int> is displayed. Below it is a navigation menu with tabs for PVP DATA & STATISTICS, MEETINGS, and NEWS. The main content area features a large image of a sunflower. To the right of the sunflower, the text reads "New videos on benefits of the UPOV system in Canada and Kenya". Below the sunflower image, a "Welcome" section contains the following text: "The International Union for the Protection of New Varieties of Plants (UPOV) is an intergovernmental organization with headquarters in Geneva (Switzerland). UPOV was established by the International Convention for the Protection of New Varieties of Plants. The Convention was adopted in Paris in 1961 and it was revised in 1972, 1978 and 1991. UPOV's mission is to provide and promote an effective system of plant variety protection, with the". To the right of the main content, there is a "Stakeholder features" section with a list: Breeders, Farmers and Growers, Policy makers, and General Public. Below this is a "Quick Links" section with a list: Introduction to UPOV, Benefits of UPOV, and UPOV Collection. At the bottom right, there are icons and text for "UPOV PRISMA PBR Application Tool", "GENIE Database", "UPOV Lex", and "Plant Variety Database (PLUTO)".

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MEETINGS NEWS

New videos on benefits of the UPOV system in Canada and Kenya

Stakeholder features

- Breeders
- Farmers and Growers
- Policy makers
- General Public

UPOV PRISMA
PBR Application Tool

GENIE Database

UPOV Lex

Plant Variety Database (PLUTO)

Quick Links

- Introduction to UPOV
- Benefits of UPOV
- UPOV Collection

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UPOV

ABOUT UPOV MEMBERSHIP UPOV SYSTEM PVP DATA & STATISTICS MEETINGS NEWS

MEETINGS

- Home
- Calendar of Meetings
- Meeting Documents
- Seminars & Symposia
- Restricted area
- Search Documents

HOME > MEETINGS > Meeting Documents

Unless otherwise agreed by the Council of UPOV, only documents that have been adopted by the Council of UPOV and that have not been superseded can represent the UPOV Collection for guidance and information materials concerning plant variety protection.

UPOV sessions: program of the week

- Council (C)
- Council (Extraordinary Sessions) (C(EXTR.))
- Administrative and Legal Committee (CAJ)
- Administrative and Legal Committee Advisory Group (CAJ-AG)
- Technical Committee (TC)
- Enlarged Editorial Committee (TC-EDC)
- Technical Working Party for Agricultural Crops (TWA)

Open access (except Consultative Committee)

- IGP14 Subgroup Meeting (IGP14/SG)
- Seminars & Symposia (UPOV)
- UPOV Diplomatic Conferences (UPOV/DC)

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DATA & STATISTICS | MEETINGS | NEWS

New videos on benefits of the UPOV system in Canada and Kenya

Stakeholder features

- Breeders
- Farmers and Growers
- Policy makers
- General Public

UPOV PRISMA
PBR Application Tool

GENIE Database

UPOV Lex

Plant Variety Database (PLUTO)

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Quick Links

- Introduction to UPOV
- Benefits of UPOV
- UPOV Collection

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UPOV Website

Deutsch • English • Español • Français

Contacts Us

UPOV

Mission Statement

The mission of UPOV is to provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society.

Table of Contents

UPOV	What is UPOV?
VARIETY	What is a plant variety?
IMPROVEMENT	Why do farmers and growers need new plant varieties?
BENEFITS	How are new plant varieties of benefit to society?
PROTECTION	What is Plant Variety Protection?
BREEDER	Who can protect a plant variety?
EXCEPTIONS	Exceptions to the Breeder's Right
CONDITIONS	What are the conditions for obtaining protection?
IMPACT	What information is there on the impact of PVP?

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S MEETINGS NEWS



New videos on benefits of the UPOV system in Canada and Kenya

Stakeholder features

- Breeders
- Farmers and Growers
- Policy makers
- General Public

UPOV PRISMA
PBR Application Tool

GENIE Database

UPOV Lex

Plant Variety Database (PLUTO)

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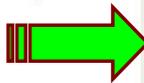
UPOV's mission is to provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society.

▲ Top of page

Quick Links

- Introduction to UPOV
- Benefits of UPOV
- UPOV Collection
- UPOV PRISMA (Information)
- Test Guidelines
- Distance Learning Courses
- Seminars & Symposia
- FAQs

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HOME » UPOV SYSTEM »

UPOV Training

UPOV Distance Learning Courses

Code	Course	Session	Study period	Registration period
DL-205	Introduction to the UPOV System of Plant Variety Protection under the UPOV Convention	Session 1	05-Mar to 08-Apr 2018	16-Jan to 16-Feb 2018
		Session 2	01-Oct to 04-Nov 2018	06-Aug to 14-Sep 2018
DL-305A	Administration of Plant Breeders' Rights (Part A of DL-305 course: Examination of applications for plant breeders' rights)	Session 1	05-Mar to 08-Apr 2018	16-Jan to 16-Feb 2018
		Session 2	01-Oct to 04-Nov 2018	06-Aug to 14-Sep 2018
DL-305B	DUS Examination (Part B of DL-305 course: Examination of applications for plant breeders' rights)	Session 1	05-Mar to 08-Apr 2018	16-Jan to 16-Feb 2018
		Session 2	01-Oct to 04-Nov 2018	06-Aug to 14-Sep 2018
DL-305	Examination of applications for plant breeders' rights	Session 1	05-Mar to 08-Apr 2018	16-Jan to 16-Feb 2018
		Session 2	01-Oct to 04-Nov 2018	06-Aug to 14-Sep 2018

The UPOV Courses are hosted on the WIPO eLearning Center.

DL-205

**Introduction to the UPOV System of Plant Variety Protection
under the UPOV Convention**

DL-305

Advanced Distance Learning Courses

Registrations can be made in three different categories:

Category 1:

Government officials of members of the Union nominated by the relevant representative to the UPOV Council
No fee

Category 2:

Officials of observer States / intergovernmental organizations nominated by the relevant representative to the UPOV Council
(One non-fee paying student per State / intergovernmental organization;
Additional students: CHF1,000 per student)

Category 3:

Others
Fee: CHF1,000

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Preview

1. Introduction to UPOV
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- 6. Agenda for the BMT Session**
7. The Concept of Essentially Derived Varieties
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BMT/17/4
Annex, page 31

DRAFT SCHEDULE FOR THE WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES, AND DNA-PROFILING IN PARTICULAR (BMT) Seventeenth Session, Montevideo, Uruguay, September 10 to 13, 2018			
Monday, Sep 10	Tuesday, Sep 11	Wednesday, Sep 12	Thursday, Sep 13
<p style="text-align: center;">BMT MEETING (9:00)</p> <p>Item 1. Opening of the session Item 2. Adoption of the agenda (BMT/17/1 Rev 2) Item 3. Preparatory information (BMT/17/4) Item 4. Reports on developments in UPOV (BMT/17/2) Item 5. Short presentations by participants</p>	<p style="text-align: center;">[start at 8:30]</p> <p>Item 10. Review of document INF/17 (BMT/17/10 and INF/17/2 Draft1)</p>	<p style="text-align: center;">[Breeders' Day] [start at 8:30]</p> <p>Item 11. Use of MT in examining essential derivation (presentation on EDV update from the UPOV office) (a) Do new breeding techniques lead to Essentially Derived Varieties? (BMT/17/9) Item 12. Use of MT in Variety identification (presentation on variety identification from the UPOV office) (a) Implementation of SNP markers to identify soybean varieties commercialized in Uruguay (BMT/17/13)</p>	<p style="text-align: center;">[start at 8:30]</p> <p>Item 14. Date/Place of next session Item 15. Future program</p>
10.30 COFFEE	COFFEE	COFFEE	COFFEE
<p>11.00 Item 6. MT in relation to DUS exam.</p> <p>(a) Test of the potential use of SNPs markers on oilseed rape (BMT/17/8) (b) Use of Molecular Marker Techniques in DUS and Enforcement in the Republic of Korea (BMT/17/14) (c) Do resistance markers for tomato fulfil the requirements of TGP/15? (BMT/17/21) (d) Use of DNA-based markers for variety protection purposes in soybean (BMT/17/22)</p>	<p>Item 10. Review of document INF/17 (BMT/17/10 and INF/17/2 Draft1) (cont.)</p>	<p>Item 12. Use of MT in Variety identification (cont.) (b) Corn Hybrid parental identification. Use of Hybrid Monomorphic Profile vs Pericarp Genotyping (BMT/17/16) (c) Variety identification in soybeans using SNPs (BMT/17/18) (d) Presentation of a set of 11 SNPs capable of discriminating 30 soybean varieties from a reference collection (BMT/17/19) [presentation on UPOV PRISMA PBR application tool from the UPOV office]</p>	<p>Item 16. Report of the session Item 17. Closing of the session</p>
12.30 LUNCH	LUNCH	LUNCH	END
<p>Item 8. Cooperation between international organizations (BMT/17/3) (a) DNA-based methods for variety testing: ISTA approach (BMT/17/6)</p> <p>Item 7. Revision of document TGP/15 (BMT/17/7 and TGP/15/2 Draft1) [the session will stop at 16:00.]</p>	<p>Item 9. Variety description databases including databases containing molecular data (a) Construction of a European Potato database Part I. Construction, maintenance and use of the common database (BMT/17/11) Part II. Generation of molecular data (BMT/17/12)</p>	<p>Item 6. MT in relation to DUS exam (cont.) (e) The United States Molecular Marker Working Group: Background for the use of DNA markers in DUS (BMT/17/17) (f) Use of DNA-Based Markers in Testing for Distinctness, Uniformity and Stability (DUS) and Enforcement of Plant Breeders Rights (PBR) (BMT/17/20)</p>	<p style="color: red;">Optional Technical Visit</p>
COFFEE	16.30 COFFEE	16.30 COFFEE	
<p style="text-align: center;">[16:00- 18:00 SAA IPWG]</p>	<p style="text-align: center;">[resume at 17:00]</p> <p>Item 13. Session to facilitate cooperation (BMT/17/5) (a) A DNA database for Rose – Development and validation of a SNP marker set (BMT/17/15)</p> <p style="text-align: center;">[end at 19:30]</p>	<p style="text-align: center;">[resume at 17:00]</p> <p>Item 13. Session to facilitate cooperation (cont.)</p> <p style="text-align: center;">[end at 19:30]</p>	
<p>19:00-21:00 Welcome reception Speeches by the Minister of Agriculture, Livestock & Fisheries of Uruguay, INASE President, BMT chair and UPOV office [Photo session]</p>			

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VARIETIES COVERED

In addition to the protected variety itself...

VARIETIES:

- **not clearly distinguishable** from the protected variety



- *recalling that a variety is not protectable unless it is clearly distinguishable from all varieties whose existence is a matter of common knowledge (VCKs),*
- *i.e. VCKs cannot be retrospectively covered [...]*

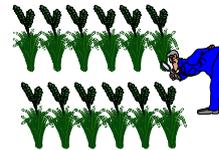
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VARIETIES COVERED

In addition to the protected variety itself...

VARIETIES:

- **not clearly distinguishable** from the protected variety



- **whose production requires the repeated use** of the protected variety
e.g. hybrids
- which are **essentially derived** from the protected variety ...

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ESSENTIALLY DERIVED VARIETIES

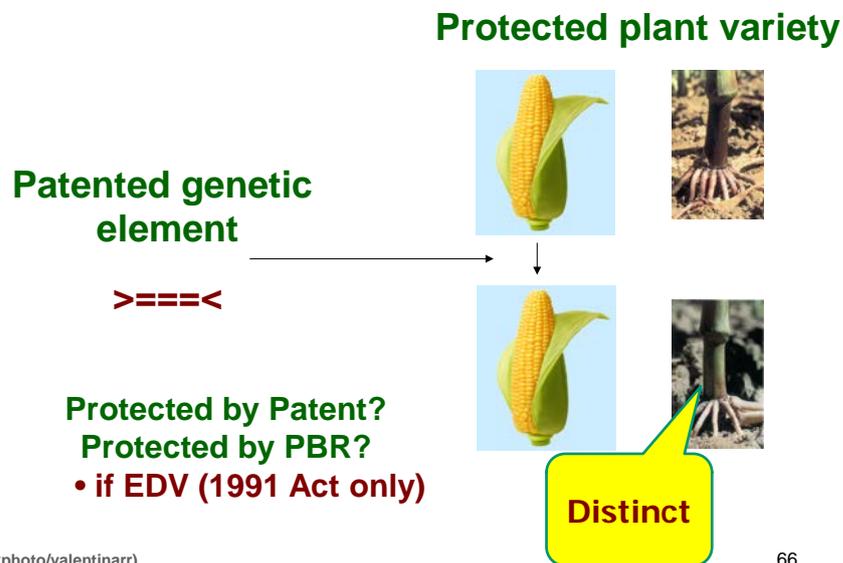
PURPOSE:

to ensure sustainable plant breeding development by:

- providing effective protection for the breeder and
- encouraging cooperation between breeders and developers of new technologies such as genetic modification

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ESSENTIALLY DERIVED VARIETIES



(Photo: istockphoto/valentinarr)

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ESSENTIALLY DERIVED VARIETIES

...a variety shall be deemed to be **essentially derived from** another variety ("the **initial variety**") **when**

(i) it is **predominantly derived from the initial variety**, or from a variety that is itself predominantly derived from the initial variety, **while retaining the expression of the essential characteristics** that result from the genotype or combination of genotypes of the initial variety,

(ii) it is **clearly distinguishable** from the initial variety and

(iii) except for the differences which result from the act of derivation, it **conforms to the initial variety in the expression of the essential characteristics** that result from the genotype or combination of genotypes of the initial variety.

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ESSENTIALLY DERIVED VARIETY?



(Photo: istockphoto/valentinarr)

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UPOV/EXN/EDV/2

Predominantly derived from the initial variety (Article 14(5)(b)(i))

- A derived variety could not, in practice, retain the expression of the essential characteristics of the variety from which it is derived unless it is **almost entirely derived from that initial variety**



(Photo: istockphoto/valentinarr)

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UPOV/EXN/EDV/2

Predominantly derived from the initial variety



The following might be considered in relation to the notion of **“essential characteristics”**:



(i) essential characteristics [...] means **heritable traits [...] that contribute to the principal features, performance or value of the variety**;

(ii) characteristics that are **important from the perspective of the producer, seller, supplier, buyer, recipient, or user**;

(Photo: istockphoto/valentinarr)

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UPOV/EXN/EDV/2



(iii) characteristics that are **essential for the variety as a whole, including, for example, morphological, physiological, agronomic, industrial and biochemical characteristics**



(Photo: istockphoto/valentinarr)

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UPOV/EXN/EDV/2



(iv) **essential characteristics may or may not be phenotypic characteristics used for the examination of distinctness, uniformity and stability (DUS);**



(Photo: istockphoto/valentinarr)

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UPOV/EXN/EDV/2



(v) essential characteristics are **not restricted to those characteristics that relate only to high performance or value** (for instance, disease resistance may be considered as an essential characteristic when the variety has susceptibility to disease);



(vi) essential characteristics **may be different in different crops/species.**



(Photo: istockphoto/valentinarr)

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ESSENTIALLY DERIVED VARIETIES

• Implementation

- With regard to establishing whether a variety is an essentially derived variety, a **common view expressed by members of the UPOV is that the existence of a relationship of essential derivation between protected varieties is a matter for the holders of plant breeders' rights in the varieties concerned.**

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ESSENTIALLY DERIVED VARIETIES

Can EDVs be protected ?

YES

Can EDVs be commercially
exploited?

AUTHORIZATION
NEEDED

It requires the authorization of the
PBR holder of the initial variety
and of the PBR holder of the EDV

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VARIETY IDENTIFICATION

"The BMT is a group open to DUS experts, biochemical and molecular specialists and plant breeders, whose role is to:

– [...]

"(viii) Provide a **forum for discussion on the use of biochemical and molecular techniques in the consideration of essential derivation and variety identification.**"

VARIETY IDENTIFICATION

- UPOV does not directly address variety identification - it is concerned with distinctness (related but not the same);
- The variety description can play a role in variety identification

**Variety description developed at the
time of the grant of the breeder's right
(original variety description)**

Purposes:

- (a) to describe the characteristics of the variety;
and
- (b) to identify and list similar varieties and
differences from these varieties;

combined with the information on the basis for (a)
and (b), namely:

**Variety description developed at the
time of the grant of the breeder's right (Continued)
(original variety description)**

Purposes:

- (a) to describe the characteristics of the variety; and
- (b) to identify and list similar varieties and differences from these varieties;

combined with the information on the basis for (a) and (b), namely:

- Date and document number of UPOV Test Guidelines;
- Date and/or document number of Reporting Authority's test guidelines;
- Reporting Authority;
- Testing station(s) and place(s);
- Period of testing;
- Date and place of issue of document;
- Group: (Table: Characteristics; States of Expression; Note; Remarks);
- Additional Information:
 - (a) Additional Data
 - (b) Photograph (if appropriate)
 - (c) RHS Colour Chart version used (if appropriate)
 - (d) Remarks

Variety description developed at the
time of the grant of the breeder's right (Continued)
(original variety description)

Status in relation to the verification of the conformity of plant material to a protected variety for enforcement of the breeder's right:

"While the UPOV Convention requires members of the Union to provide for appropriate legal remedies for the effective enforcement of breeders' rights, it is a **matter for breeders** to enforce their rights." (UPOV/EXN/ENF/1)

the **description** of the variety characteristics **and** the basis for **distinctness from the most similar variety** are **linked** to the circumstances of the DUS examination, namely:

- Date and document number of UPOV Test Guidelines;
- Date and/or document number of Reporting Authority's test guidelines;
- Reporting Authority;
- Testing station(s) and place(s);
- Period of testing;
- Date and place of issue of document;
- Group: (Table: Characteristics; States of Expression; Note; Remarks);
- Additional Information:
 - (a) Additional Data
 - (b) Photograph (if appropriate)
 - (c) RHS Colour Chart version used (if appropriate)
 - (d) Remarks

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New PBR Application Tool

UPOV PRISMA



Version 2 released **early February 2018**

UPOV PRISMA

Overview - what is it and how does it work?



UPOV PRISMA

Online PBR Application Tool



The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

Online application tool to submit application data to participating PVP Offices in required format

Easy access to PVP application forms, which can be displayed in a range of languages

Much of the information provided in the Technical Questionnaire will be automatically translated

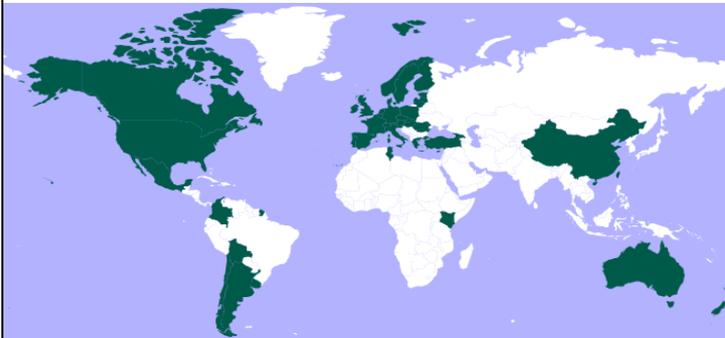
Relevant data can be re-used in subsequent applications

Different user roles can be specified (e.g. drafter, signatory, translator, agent)

Controlled access, secure and confidential

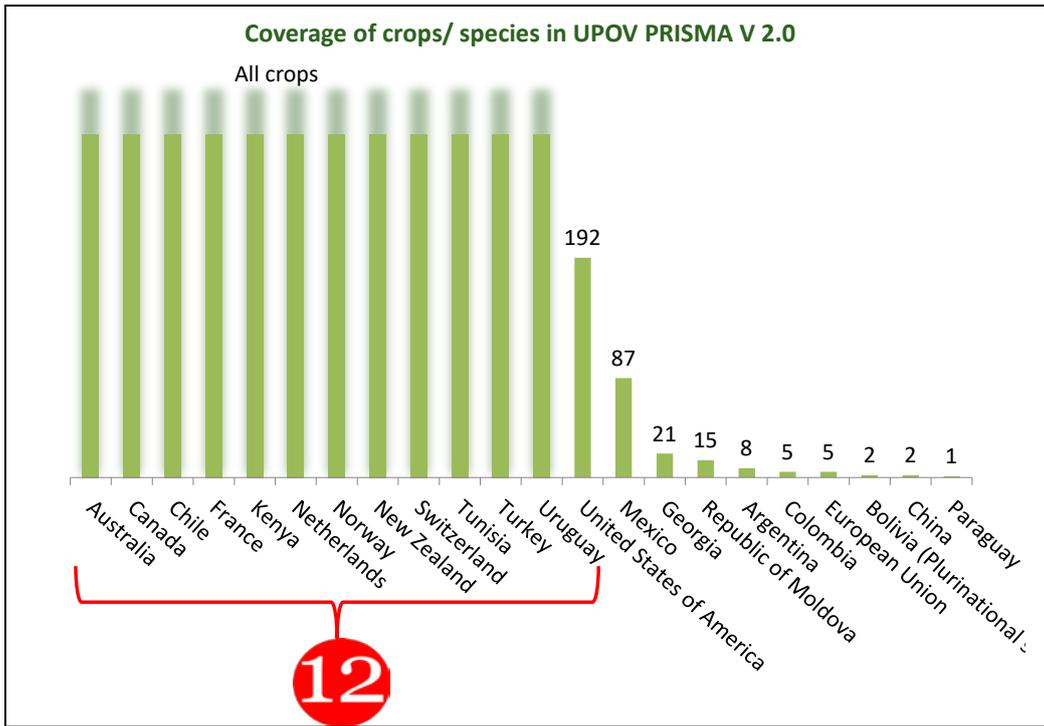
UPOV PRISMA

Coverage- 22 Members (including CPVO)



The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

- Argentina
- Australia
- Bolivia (Plurinational State of)
- Canada
- Chile
- China
- Colombia
- European Union
- France
- Georgia
- Kenya
- Mexico
- Netherlands
- New Zealand
- Norway
- Paraguay
- Republic of Moldova
- Switzerland
- Tunisia
- Turkey
- United States of America
- Uruguay



UPOV PRISMA

Navigation languages

The screenshot shows the UPOV PRISMA Electronic Application Form interface. At the top right, there is a language selection dropdown menu currently set to 'English'. The dropdown menu is open, showing the following options: English, Français, Deutsch, Español, 中文, and 日本語. Below the language menu, there are navigation buttons: '+ Start a new application', 'Copy application', 'User Role Management', and 'Edit User profile'. The main content area is titled 'Your Applications' and contains a table with columns: International Reference Number, Created On, Modified On, Date of Submission, Crop, Proposed Variety Denomination, Breeder's Variety Reference, and Submitter's Own Variety Reference. Two application entries are visible in the table, both for the crop 'Rose'.

UPOV PRISMA

Search functionality (by crop & country)



New authorities which are anticipated to be included in UPOV PRISMA Version 2.1 (September 2018)

- Costa Rica
- OAPI
- Republic of Korea
- Serbia
- South Africa
- Sweden
- United Kingdom
- Viet Nam

Total number of authorities : **30**

Total number of countries: **69**



New features for Version 2.1

- **New languages**
 - Navigation language: Vietnamese/ Korean/ Turkish
 - Output form language: Serbian/ Swedish
- **Crops/ species coverage expansion**
 - Colombia/ Mexico/ Bolivia : from 5 to all crops and species
 - Argentina: from 10 to 18 crops
 - European Union:
 - Ornamentals
 - Fruits
 - Vegetables

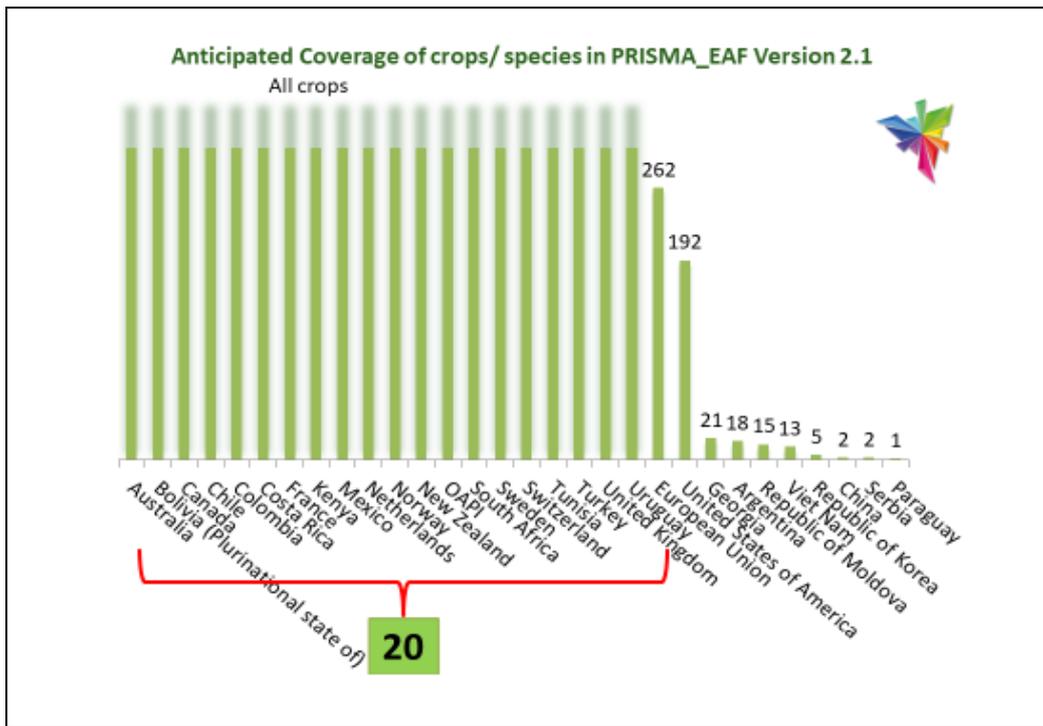
With Test
Guidelines/ CPVO
Protocols



New features for Version 2.1

- **New functionalities for «agent Role» (plus New User Guide for Agent)**
- **Possibility to revise a submitted application**
- **Possibility to View the output application form before submitting**
- **Priority/ Novelty Alert**
- **Information on PVP Offices Application Procedure**





FUTURE STEPS (2019 and beyond)

- **Expansion**
 - **Members**
 - **Crops/species**
 - **More PVP offices/ breeders with machine-to-machine links/ communication to UPOV PRISMA**
- **Potential New functionalities (to be assessed and agreed)**
 - **Information on DUS cooperation**
 - **Machine translation ...**

UPOV PRISMA

Testimony



The screenshot shows the UPOV PRISMA website with the 'Testimonials' page selected. The left sidebar contains a menu with the following items: Go to UPOV PRISMA, How to Access UPOV PRISMA, Terms of Use, Testimonials (highlighted with a yellow arrow), Tutorials, User Guides, PVP/XML, Payment of fees, Web Services, and Contact Us. The main content area is titled 'Testimonials' and features four video thumbnails: 'Breeder Testimony', 'Experience of breeders', 'Experience of a PVP Office - Australia', and 'Experience of a PVP Office - New Zealand'. The top navigation bar includes 'ABOUT UPOV', 'MEMBERSHIP', 'UPOV SYSTEM', 'PVP DATA & STATISTICS', 'MEETINGS', and 'NEWS'. The top right corner has language options (Deutsch, Español, Français), a search bar, and links for 'Contact us', 'Site map', and 'YouTube'.

UPOV PRISMA

Tutorials & Videos



The screenshot shows the UPOV PRISMA website with the 'Tutorials & Videos' page selected. The left sidebar contains a menu with the following items: Go to UPOV PRISMA, How to Access UPOV PRISMA, Terms of Use, Testimonials, Tutorials (highlighted with a yellow arrow), User Guides, PVP/XML, Payment of fees, Web Services, and Contact Us. The main content area is titled 'Tutorials' and features four video thumbnails: 'Start New Application', 'CopyApplication', 'Do you want to discover this user-friendly application tool?', and 'UPOV PRISMA - How to get started'. The bottom two thumbnails include a 'LinkedIn' logo and the text 'UPOV PRISMA Overview - what is it and how does it work?' and 'UPOV PRISMA - How to get started'. The top navigation bar includes 'ABOUT UPOV', 'MEMBERSHIP', 'UPOV SYSTEM', 'PVP DATA & STATISTICS', 'MEETINGS', and 'NEWS'. The top right corner has language options (Deutsch, Español, Français), a search bar, and links for 'Contact us', 'Site map', and 'YouTube'.

Tutorials and videos

The screenshot shows the UPOV PRISMA website interface. At the top, there is a navigation bar with links for ABOUT UPOV, MEMBERSHIP, UPOV SYSTEM, PVP DATA & STATISTICS, MEETINGS, and NEWS. Below this is a sidebar menu with options like 'Go to UPOV PRISMA', 'How to Access UPOV PRISMA', 'Terms of Use', 'PVP-VML', 'Payment of fees', 'Web Services', and 'Contact Us'. The main content area is titled 'Tutorials' and features four video thumbnails: 'Start New Application', 'Copy Application', 'Do you want to discover this user-friendly application tool?', and 'UPOV PRISMA - How to get started'. A yellow arrow points from the 'Tutorials' menu item in the sidebar to the 'Start New Application' video thumbnail.

UPOV PRISMA Tutorials

This screenshot displays the UPOV PRISMA 'Electronic Application Form' interface. At the top, there are buttons for 'Start a new application', 'Copy application', 'Bulk Upload', 'User Role Management', and 'Edit User profile'. Below these is a table titled 'Your Applications' with columns for 'Application Reference Number', 'Created On', 'Modified On', 'Date of Submission', 'Crop', 'Proposed Variety Description', 'Breeder's Variety Reference', 'Submitter's Own Variety Reference', 'Authority', 'Status', 'Applicant Payment Status', and 'Action'. A video player overlay is positioned on the right side of the screen, showing a list of applications and a language selection menu. A yellow arrow points from the bottom right of the video player towards the bottom right corner of the overall screenshot.

Application Reference Number	Created On	Modified On	Date of Submission	Crop	Proposed Variety Description	Breeder's Variety Reference	Submitter's Own Variety Reference	Authority	Status	Applicant Payment Status	Action
NA	NA	19592017	NA	Lettuce		123	123	EUROPEAN UNION	Pending	NA	View Edit
JKL_3002195 0007001	30/06/2016	23/11/2016	23/11/2016	Rose	PROPOSED NAME ROSE AUSTRALIA			AUSTRALIA	Submitted	Pending Payment Confirmation	View
JKL_3009999 3009993	NA	NA	NA	Lettuce				BRAZIL	Submitted	Pending Payment Confirmation	View
JKL_3002179 3009999	NA	30/05/2017	NA	Rose	TEST RELEASE 1.1 H1-40 Rose		TEST SVANGENTA	ARGENTINA	Pending	NA	View Edit Delete Co-Owners Management
JKL_3009999 3009991	NA	NA	19592016	Lettuce		VARIETY_TEST		AUSTRALIA	Submitted	Pending Payment Confirmation	View
NA	19592017	19592017	NA	Peas	Proposed var.	Patate FR FC	Patate FR FC	FRANCE	Pending	NA	View
JKL_3009999 3009992	NA	NA	NA	Lettuce		TEST VARIETY RZ		AUSTRALIA	Submitted	Received	View
JKL_3002180 0007000	NA	NA	31/08/2016	Lettuce	MY DENON CL			CHILE	Submitted	Pending Payment Confirmation	View
JKL_3002190 0007142	NA	NA	09/06/2016	Lettuce		VARIETY_TEST_NO		NORWAY	Submitted	Received	View
JKL_3002180 0007103	NA	NA	09/02/2016	Rose	DETERMINATION FOR CHILE			CHILE	Submitted	Received	View

UPOV PRISMA

News Feed

UPOV PRISMA

Deutsch English Español Français 中文

The new release of UPOV PRISMA PBR Application Tool is here
More PVP Offices and more crops/species covered!

**Get started now and use UPOV PRISMA
for FREE until June 2018!**

WHAT IS IT?
An on-line tool to help you obtain protection for your varieties at home and around the World

WHY USE IT?
Quick and easy transmission of application data for Plant Breeders' Rights

Relevant data can be re-used in subsequent applications

Different user roles can be specified (e.g. drafter, signatory, translator, agent)

Controlled access, secure and confidential

[Find out more](#)

[Keep me posted](#)



UPOV PRISMA

on Social Media




#upovprisma

Tweets 3 Retweets 75 Replies 12 Likes 8

UPOV PRISMA @upovprisma
UPOV PRISMA PBR Application Tool
Quick and easy online tool for
submission of application data for Plant
Breeders' Rights

Tweets **Tweets & replies** **Media**

UPOV PRISMA @upovprisma 25 Nov
UPOV PRISMA - How to get started
#PlantBreedersRights #International #PVP #PBR
@UPOV @UPOVPRISMA

UPOV PRISMA @upovprisma
How to get started
Start video showing you how to get started with UPOV
PRISMA

LinkedIn feed showing posts about UPOV PRISMA PBR Application Tool (EAF).

UPOV PRISMA PBR Application Tool (EAF)
https://bit.ly/2D9Y191

Copy Application
For example, to apply for the same variety but with
another authority. So how do I do that?

UPOV PRISMA PBR Application Tool (EAF)
A series of Demos have been created (in English) and subtitled in French, Spanish,
German, Chinese, Korean and Japanese and Italian.

UPOV PRISMA PBR Application Tool (EAF)
https://bit.ly/2D9Y191

Webinar EAF Demo
UPOV - PBR Application Tool
(Electronic Application Form (EAF))
UPOV Office
July 10, 2017

UPOV PRISMA



**Get started now and
use UPOV PRISMA for FREE
until December 2018!**

[End of Annex and of document]