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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

CONSULTATIVE COMMITTEE**Ninetieth Session
Geneva, October 28, 2015**

PLANT VARIETY PROTECTION STATISTICS

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

1. This document presents plant variety protection statistics by crop type and identifies some aspects where clarification of data might be pursued further.

BACKGROUND

2. At its forty-seventh ordinary session, held in Geneva on October 24, 2013, the Council noted that the Office of the Union would explore the possibility of providing information on statistics by crop type (e.g. agriculture, fruit, ornamental, vegetable and forest trees) in future versions of document C/xx/7 "Plant variety protection statistics for the period [xxxx]-[xxxx]", according to the suggestion made by the Delegation of Chile (see document C/47/20 "Report", paragraph 66).
3. The Technical Committee (TC), at its fiftieth session, held in Geneva, from April 7 to 9, 2014, agreed to provide information on the type of crop (agriculture/fruit/ornamental plant/forest tree/vegetable) for each UPOV code in the GENIE database and to request the TWPs to check the TWP allocations by correspondence by the end of 2014. It was clarified that more than one crop type could be allocated to a single UPOV Code (see documents TC/50/6 "UPOV Information Databases", paragraph 8 and TC/50/36 "Report on the Conclusions", paragraph 95).
4. The TC noted that the proposed approach would enable the data in the PLUTO database to be analyzed with regard to applications filed, titles issued and titles having ceased to be in force by type of crop, whilst noting that the multiple crop types for some UPOV codes would result in some limitations in that regard (see document TC/50/36 "Report on the Conclusions", paragraph 96).
5. The Consultative Committee, at its eighty-eighth session, held in Geneva, on October 15, 2014, noted the plans to provide information for type of crop for each UPOV code in the GENIE database as a basis to obtain statistics on plant variety protection from the PLUTO database, whilst noting the following constraints on the accuracy and completeness of any such analysis, as set out in document CC/88/11 (see document CC/88/17 "Report", paragraph 99):
 - The existence of multiple crop types for some UPOV codes will result in some lack of certainty as to the crop type for certain PLUTO entries.
 - The data provided for document C/48/7 "Plant variety protection statistics for the period 2009-2013" is more complete than the data in the PLUTO database.

STATISTICS BY CROP TYPE

6. Annex I to this document presents an analysis of data in the PLUTO database by crop type and information on the statistics provided in documents C/46/7 "Plant Variety Protection Statistics for the period [xxxx]-[xxxx]", C/47/7, C/48/7 and C/49/7. In order to provide information of the robustness of the analysis of the data in the PLUTO database, Annex I compares the data in the PLUTO database with the corresponding data provided in document C/48/7 for the year 2013. In cases where there are significant differences between the data in the PLUTO database and in document C/48/7, the Office of the Union will consult relevant members of the Union.

7. In relation to the completeness of data in the PLUTO database, in terms of members of the Union providing data, the situation is summarized in Annex II to this document. The Office of the Union will investigate the reason for the differences between years.

8. *The Consultative Committee is invited to:*

(a) note the statistical analysis reported in this document;

(b) note that in cases where there are significant differences between the data in the PLUTO database and in document C/48/7, the Office of the Union will consult relevant members of the Union;

(c) note that the Office of the Union will investigate the reason for the differences between years in relation to the completeness of data in the PLUTO database in terms of members of the Union providing data; and

(d) consider whether the statistical analysis reported in this document should be provided in future versions of document C/[session]/7 "Plant variety protection statistics for the period [xxxx]-[xxxx]".

[Annexes follows]

DATA IN THE PLUTO DATABASE BY CROP TYPE
(Data in the PLUTO database on October 22, 2015)

January 1, 2011 to December 31, 2011

PLUTO database (Plant Breeders Rights and Plant Patents)													Total in document C/46/7 (2011)
	Crop type										Total records in PLUTO		
	Agriculture		Forest trees		Fruit		Ornamental		Vegetables ¹			Crop type Total ²	
Applications filed	3,097	27% ³	64	0.6%	1,216	11%	5,651	50%	1,384	12%	11,412	10,624	13,981
Titles issued	2,685	29%	55	0.6%	687	7%	4,299	47%	1,511	16%	9,237	8,705	10,189
Titles having ceased to be in force in reference year	1,588	32%	24	0.5%	125	2%	2,782	55%	494	10%	5,013	4,952	5,997

January 1 2012 to December 31, 2012

PLUTO database (Plant Breeders Rights and Plant Patents)													Total in document C/47/7 (2012)
	Crop type										Total records in PLUTO		
	Agriculture		Forest trees		Fruit		Ornamental		Vegetables			Crop type Total	
Applications filed	3,072	27%	96	0.8%	1,294	11%	5,484	48%	1,471	13%	11,417	10,596	13,908
Titles issued	2,330	26%	50	0.7%	748	8%	4,370	49%	1,439	16%	8,947	8,373	9,822
Titles having ceased to be in force in reference year	1,485	31%	13	0.3%	125	3%	2648	56%	456	10%	4,727	4,576	5,488

¹ Mushrooms are included in Vegetables.

² The difference of "Crop type total" and "Total records" results from UPOV codes with multiple crop types.

³ % of crop type total (see note 2)

January 1, 2013 to December 31, 2013

PLUTO database (Plant Breeders Rights and Plant Patents)													Total in document C/48/7 (2013)
	Crop type										Total records in PLUTO		
	Agriculture		Forest trees		Fruit		Ornamental		Vegetables			Crop type Total	
Applications filed	2,375	23%	69	0.7%	1,226	12%	5,150	49%	1,634	16%	10,814	10,110	14,788
Titles issued	2,930	33%	50	0.6%	792	9%	3,851	43%	1,262	14%	8,885	8,409	10,052
Titles having ceased to be in force in reference year	1,623	30%	10	0.2%	274	5%	2,642	49%	857	16%	5,406	5,112	6,284

January 1 2014 to December 31, 2014

PLUTO database (Plant Breeders Rights and Plant Patents)													Total in document C/49/7 (2014)
	Crop type										Total records in PLUTO		
	Agriculture		Forest trees		Fruit		Ornamental		Vegetables			Crop type Total	
Applications filed	2,954	32%	35	0.4%	762	8%	3,279	41%	1,613	18%	9,093	8,535	15,499
Titles issued	3,236	35%	32	0.3%	749	8%	4,021	44%	1,155	13%	9,193	8,735	11,569
Titles having ceased to be in force in reference year	1,346	27%	12	0.2%	313	6%	2,780	56%	546	11%	4,997	4,753	8,441

(Data of the PLUTO database as of October 22, 2015)

[Annex II follows]

ANNEX II

NUMBER OF APPLICATIONS FILED AND TITLES GRANTED IN 2013
(MEMBERS THAT SUBMITTED DATA TO PLUTO)

UPOV member		Applications filed		Titles granted	
		PLUTO	C/48/7	PLUTO	C/48/7
AR	Argentina	1	n/a	98	n/a
AT	Austria	2	2	0	0
AU	Australia	313	330	237	237
BG	Bulgaria	32	34	20	24
BR	Brazil	326	326		237
CA	Canada	325	322	236	236
CH	Switzerland	79	77	52	52
CL	Chile	60	69	80	81
CN	China	9	1,510	298	296
CR	Costa Rica	3	8	4	4
CZ	Czech Republic	96	96	66	66
DE	Germany	105	104	59	59
DK	Denmark	1	3	5	7
EC	Ecuador	21	21	50	70
EE	Estonia	14	15	11	12
ES	Spain	74	74	74	62
FI	Finland	11	11	5	5
FR	France	95	107	0	0
GB	United Kingdom	37	37	15	18
HR	Croatia	2	2	0	0
HU	Hungary	27	27	12	19
IE	Ireland	1	2	1	1
IL	Israel	46	46	22	22
IT	Italy	1	2	0	0
JP	Japan	1,046	1,054	752	752
KE	Kenya	93	95		23
KG	Kyrgyzstan	2	2		2
KR	Republic of Korea		599	184	459
LT	Lithuania	12	12	13	13
LV	Latvia	5	5	4	4
MA	Morocco	51	56	50	24
MD	Republic of Moldova	43	43		25
NL	Netherlands	686	747	581	586
NO	Norway	30	30	18	18
NZ	New Zealand	156	154	119	119
PE	Peru	22	137		10
PL	Poland	93	88	58	58
PT	Portugal	0	1	2	2
QZ	European Community (Community Plant Variety Office (CPVO))	3,271	3,296	2,706	2,706
RO	Romania	40	40	67	67
RS	Republic of Serbia	45	45	78	78
RU	Russian Federation	553	555	458	458
SE	Sweden	5	4	6	6
SK	Slovakia	18	18	29	29
TR	Turkey	159	215	82	82
US	United States of America	1,932	1,889	1,859	1,859
ZA	South Africa	167	309		255
	Total	10,110	12,619	8,411	9,143