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EF-Sortsmyndighedens Officielle Tidende

Amtsblatt des Gemeinschaftlichen Sortenamtes

Επίσημη Εφημερίδα του Κοινοτικού Γραφείου Φυτικών Ποικιλιών

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Bulletin officiel de l'Office communautaire des variétés végétales

Bollettino ufficiale dell'Ufficio comunitario delle varietà vegetali

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Gazeta Oficial do Instituto Comunitário das Variedades Vegetais

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Esta edición contiene informaciones para el período del 1 de noviembre de 2001 al 31 de diciembre de 2001 inclusive.

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Die vorliegende Ausgabe enthält alle Informationen für den Zeitraum vom 1. November bis 31. Dezember 2001.

Η παρούσα έκδοση περιέχει πληροφορίες για τη χρονική περίοδο από 1ης Νοεμβρίου 2001 έως και 31 Δεκεμβρίου 2001.

This edition contains all information for the period 1 November to 31 December 2001.

Cette édition contient des informations concernant la période du 1^{er} novembre au 31 décembre 2001 inclus.

Questa edizione contiene informazioni relative al periodo dal 1° novembre al 31 dicembre 2001 incluso.

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Tämä painos sisältää tiedot ajalta 1.11.2001–31.12.2001.

Detta nummer innehåller upplysningar för perioden 1.11.2001–31.12.2001.

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1	2	3
a: Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisterinumero / Ansökningsnummer	a: Solicitante / Ansøger / Antragsteller / Αιτών / Applicant / Demandeur / Richiedente / Aanvrager / Requirerente / Hakija / Sökande	Designación provisional / Foreløbig betegnelse / Vorläufige Bezeichnung / Προσωρινή περιγραφή / Provisional designation / Désignation provisoire / Designazione provvisoria / Voorlopige aanduiding / Designação provisória / Väliaikainen nimi / Preliminär beteckning
b: Fecha de solicitud / Ansøgningsdato / Antragstag / Ημερομηνία αίτησης / Date of application / Date de demande / Data della domanda / Datum van aanvraag / Data do pedido / Hakemuksen jättöpäivä / Ansökningsdag	b: Obtentor / Forædler / Züchter / Δημιουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare	
c: Fecha del derecho de prioridad / Prioritetsdato / Tag des Zeitvorrangs / Ημερομηνία προτεραιότητας / Date of priority / Date du droit de priorité / Data prioritaria / Datum recht van voorrang / Data do direito de prioridade / Etuoikeuspäivä / Prioritetsdag	c: Representante legal / Befuldsmægtiget / Verfahrensvertreter / Αντίκλητος / Procedural representative / Mandataire / Mandatario / Vertegenwoordiger voor de procedure / Representante para efeitos processuais / Valtuutettu henkilö / Ombud	

1	2	3
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Acer shirasawanum L.		
a: 2001/1763	a: 03642	<i>jordan</i>
b: 11/12/2001	b: 03642	
c:	c:	
Actinidia Lindl.		
a: 2001/1735	a: 03636	<i>C6</i>
b: 06/12/2001	b: 03637	
c:	c: 01735	
Agastache mexicana (H.B.K.) Lint. et Epling		
a: 2001/1569	a: 03607	<i>pink perfume</i>
b: 16/11/2001	b: 03608	
c:	c: 00033	
a: 2001/1570	a: 03607	<i>after eight</i>
b: 16/11/2001	b: 03608	
c:	c: 00033	
Aglaonema Schott.		
a: 2001/1283	a: 01376	<i>jubilee petite</i>
b: 24/12/2001	b: 01378	
c:	c: 01903	
a: 2001/1340	a: 01376	<i>peacock</i>
b: 24/12/2001	b: 01378	
c:	c: 01903	
a: 2001/1360	a: 01376	<i>brilliant</i>
b: 24/12/2001	b: 01378	
c:	c: 01903	
Allium cepa L. var. ascalonicum		
a: 2001/1920	a: 03665	<i>ajs 37</i>
b: 28/11/2001	b: 03665	
c:	c:	

1	2	3
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a: 2001/1921	a: 03665	<i>ajs 24</i>
b: 28/11/2001	b: 03665	
c:	c:	
Allium cepa L. var. cepa L.		
a: 2001/1973	a: 00979/00010	<i>m 1151</i>
b: 05/12/2001	b: 00979/00010	
c:	c: 00049	
Alstroemeria L.		
a: 2001/1915	a: 00029	<i>931365-0</i>
b: 26/11/2001	b: 00029	
c:	c:	
a: 2001/1922	a: 02895	<i>a 153</i>
b: 28/11/2001	b: 02895	
c:	c:	
a: 2001/1923	a: 02895	<i>b 391</i>
b: 28/11/2001	b: 02895	
c:	c:	
a: 2001/1924	a: 02895	<i>a 429*017</i>
b: 28/11/2001	b: 02895	
c:	c:	
a: 2001/1982	a: 00357	<i>etna (te 033-1)</i>
b: 07/12/2001	b: 00357	
c:	c:	
Amaryllis L.		
a: 2001/1981	a: 01701	<i>limona</i>
b: 07/12/2001	b: 01702	
c:	c: 00423	
Anthrinnum L.		
a: 2001/1726	a: 00633	<i>balumpink</i>
b: 05/11/2001	b: 01208	
c:	c: 00423	

1	2	3	1	2	3
a: 2001/1727 b: 05/11/2001 c:	a: 00633 b: 01208 c: 00423	<i>balumdepur</i>	a: 2001/1845 b: 21/11/2001 c:	a: 00116 b: 03635 c:	96.6712
a: 2001/1728 b: 05/11/2001 c:	a: 00633 b: 01208 c: 00423	<i>balumyell</i>	Begonia-Elatior-Hybriden		
Anthurium Schott.			a: 2001/1769 b: 14/11/2001 c:	a: 01845 b: 00555 c: 00423	<i>a01-06</i>
a: 2001/1949 b: 03/12/2001 c:	a: 01393 b: 01393 c:	<i>tender love</i>	a: 2001/1770 b: 14/11/2001 c: 05/12/2000	a: 01845 b: 00555 c: 00423	<i>a00-01</i>
a: 2001/2029 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthbochi</i>	a: 2001/1771 b: 14/11/2001 c: 05/12/2000	a: 01845 b: 00555 c: 00423	<i>a00-04</i>
a: 2001/2030 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthbancu</i>	a: 2001/1772 b: 14/11/2001 c: 05/12/2000	a: 01845 b: 00555 c: 00423	<i>a00-02</i>
a: 2001/2031 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthbemexel</i>	a: 2001/1773 b: 14/11/2001 c: 05/12/2000	a: 01845 b: 00555 c: 00423	<i>a00-03</i>
a: 2001/2032 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthbanzos</i>	a: 2001/1999 b: 13/12/2001 c:	a: 01845 b: 00555 c: 00423	<i>A01-07</i>
a: 2001/2033 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthaqal</i>	a: 2001/2000 b: 13/12/2001 c:	a: 01845 b: 00555 c: 00423	<i>A01-08</i>
a: 2001/2034 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthapawu</i>	Begonia-Rex-Hybriden		
a: 2001/2035 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthabodol</i>	a: 2001/2001 b: 13/12/2001 c:	a: 01845 b: 00555 c: 00423	<i>99BB01</i>
a: 2001/2036 b: 17/12/2001 c:	a: 01347 b: 01347 c:	<i>anthagoda</i>	a: 2001/2002 b: 13/12/2001 c:	a: 01845 b: 00555 c: 00423	<i>99BB02</i>
Ardisia SW.			Betula pendula Roth		
a: 2001/1737 b: 03/12/2001 c:	a: 02916 b: 02916 c:	<i>queen star</i>	a: 2001/1484 b: 08/11/2001 c:	a: 02903 b: 02903 c: 01207	<i>white edge</i>
Argyranthemum frutescens (L.) Schultz Bip.			Boronia heterophylla F. Muell.		
a: 2001/1719 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumfrut 01</i>	a: 2001/1765 b: 20/12/2001 c:	a: 03644 b: 03644 c: 02433	<i>ice charlotte</i>
a: 2001/2012 b: 14/12/2001 c:	a: 03491 b: 03510 c: 02318	<i>dx98.201.2</i>	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis		
a: 2001/2013 b: 14/12/2001 c:	a: 03491 b: 03510 c: 02318	<i>dx98.273.1</i>	a: 2001/2004 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>cma 56-48</i>
a: 2001/2014 b: 14/12/2001 c:	a: 03491 b: 03510 c: 02318	<i>dx98.38.1</i>	a: 2001/2005 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>cma 56-1035</i>
Aster L.			a: 2001/2006 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>cma 56-1021</i>
a: 2001/1844 b: 21/11/2001 c:	a: 00116 b: 03635 c:	98.6408	a: 2001/2007 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>cma 56-1016</i>
			a: 2001/2008 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>cma 56-1017</i>

1	2	3
a: 2001/2009 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>cof 57-57</i>
Brassica napus L.		
a: 2001/1889 b: 22/11/2001 c:	a: 03660 b: 03660 c:	<i>nsi 98/49</i>
a: 2001/1890 b: 22/11/2001 c:	a: 03660 b: 03660 c:	<i>nsi 99/59</i>
a: 2001/1957 b: 03/12/2001 c:	a: 00180 b: 00180 c: 02494	<i>nw3385</i>
a: 2002/0032 b: 28/12/2001 c:	a: 03307 b: 00038 c:	<i>lp lq 21</i>
Calibrachoa		
a: 2001/1788 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumcali 02</i>
a: 2001/1789 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumcali 03</i>
a: 2001/1790 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumcali 04</i>
a: 2001/1791 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumcali 05</i>
Calluna vulgaris (L.) Hull		
a: 2001/1738 b: 28/11/2001 c:	a: 00145 b: 00145 c:	<i>kn.weiss fein</i>
Campanula L.		
a: 2001/1715 b: 05/11/2001 c:	a: 02849 b: 02849 c: 00003	<i>10.00.14</i>
a: 2001/1749 b: 07/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>snowball</i>
Campanula punctata Lam.		
a: 2001/2041 b: 17/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>pink chimes</i>
a: 2001/2044 b: 17/12/2001 c:	a: 02133 b: 03687 c: 02334	<i>beautiful trust</i>
a: 2001/2045 b: 17/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>bowl of cherries</i>
Capsicum annum L.		
a: 2001/2010 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>sby 28-1169</i>
a: 2001/2011 b: 13/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>sby 28-1172</i>

1	2	3
Celosia L.		
a: 2001/1913 b: 26/11/2001 c:	a: 00198 b: 02630 c: 00423	<i>21-09</i>
a: 2001/1914 b: 26/11/2001 c:	a: 00198 b: 02630 c: 00423	<i>20-106</i>
Chrysanthemum		
a: 2001/1695 b: 29/10/2001 c:	a: 02545 b: 00435 c: 00423	<i>hk-1192</i>
a: 2001/1696 b: 29/10/2001 c:	a: 00121 b: 03632 c: 00423	<i>dreamy lindayo</i>
a: 2001/1697 b: 26/11/2001 c:	a: 00121 b: 00524 c: 00423	<i>yonatalie</i>
a: 2001/1698 b: 26/11/2001 c:	a: 00121 b: 03171 c: 00423	<i>spicy yocheryl</i>
a: 2001/1712 b: 07/12/2001 c:	a: 00116 b: 03635 c:	<i>97.1340</i>
a: 2001/1713 b: 07/12/2001 c:	a: 00116 b: 03635 c:	<i>99.2506</i>
a: 2001/1714 b: 07/12/2001 c:	a: 00116 b: 03635 c:	<i>99.2342</i>
a: 2001/1720 b: 05/11/2001 c:	a: 00320 b: 02676 c: 00423	<i>97.187.03</i>
a: 2001/1843 b: 20/11/2001 c:	a: 03651 b: 03651 c:	<i>kiev</i>
a: 2001/1846 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>98.0049-00</i>
a: 2001/1847 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>98.0223-00</i>
a: 2001/1848 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>98.0452-00</i>
a: 2001/1849 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>99.1785-00</i>
a: 2001/1850 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>99.0428-00</i>
a: 2001/1851 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>99.2058-00</i>
a: 2001/1852 b: 21/11/2001 c:	a: 00116 b: 03635 c:	<i>99.1984-00</i>

1	2	3
a: 2001/1853 b: 21/11/2001 c:	a: 00116 b: 03635 c:	30.4234-01
a: 2001/1854 b: 21/11/2001 c:	a: 00116 b: 03635 c:	30.4258-00
a: 2001/1855 b: 21/11/2001 c:	a: 00116 b: 03635 c:	99.2668-00
a: 2001/1856 b: 21/11/2001 c:	a: 00116 b: 03635 c:	31.4335-00
a: 2001/1857 b: 21/11/2001 c:	a: 00116 b: 03635 c:	30.4415-00
a: 2001/1910 b: 18/12/2001 c:	a: 00638 b: 00638 c:	branbeach
a: 2001/1911 b: 18/12/2001 c:	a: 00638 b: 00638 c:	branroyal
a: 2001/1919 b: 28/11/2001 c:	a: 00943 b: 00943 c:	75006
a: 2001/1998 b: 07/12/2001 c:	a: 00116 b: 00852 c:	30.1259
a: 2001/2018 b: 14/12/2001 c:	a: 03651 b: 03651 c:	odessa
a: 2001/2024 b: 17/12/2001 c:	a: 00121 b: 01052 c: 00423	g409 b4
a: 2001/2025 b: 17/12/2001 c:	a: 00121 b: 01052 c: 00423	g429 b1
a: 2001/2026 b: 17/12/2001 c:	a: 00121 b: 01052 c: 00423	g409 b1
a: 2001/2027 b: 17/12/2001 c:	a: 00121 b: 01052 c: 00423	g418 b2
a: 2001/2028 b: 17/12/2001 c:	a: 00121 b: 01052 c: 00423	g104 a1
a: 2001/2089 b: 19/12/2001 c:	a: 02557 b: 02557 c:	db 7783 drk
a: 2001/2090 b: 19/12/2001 c:	a: 02557 b: 02557 c:	db 21613
Christia vespertilionis (L. f.) Backh. f.		
a: 2001/1476 b: 13/09/2001 c:	a: 03447 b: 03447 c: 01903	lpi10chr

1	2	3
Cistus x corbariatis Pourr.		
a: 2001/1761 b: 05/12/2001 c:	a: 03640 b: 03640 c:	wyecis
Clematis L.		
a: 2001/1624 b: 12/11/2001 c:	a: 03616 b: 03616 c: 03423	white abundance
Clematis x cartmanii		
a: 2001/1614 b: 05/11/2001 c:	a: 01849/02511 b: 01849/02511 c: 03423	snow valley
Coreopsis rosea		
a: 2001/1663 b: 23/10/2001 c:	a: 03620 b: 03620 c: 00423	limerock ruby
a: 2001/1774 b: 14/11/2001 c:	a: 00121 b: 03585 c: 00423	sweet dreams
Cotyledon L.		
a: 2001/1683 b: 03/12/2001 c:	a: 03627 b: 03627 c: 00423	octopus
Crambe abyssinica Hochst. ex R.E.Fr.		
a: 2001/1615 b: 05/11/2001 c:	a: 03075 b: 03075 c: 00420	nebula
a: 2001/1616 b: 05/11/2001 c:	a: 03075 b: 03075 c: 00420	galactica
Ctenanthe oppenheimiana (E. Morr.) K. Schum		
a: 2001/1760 b: 12/11/2001 c:	a: 00119 b: 00119 c:	amagris
Cucumis melo L.		
a: 2001/1944 b: 03/12/2001 c:	a: 03325 b: 03325 c:	seng 9078
Cucumis sativus L.		
a: 2001/1599 b: 11/10/2001 c:	a: 00088 b: 00088 c:	24-65rz
Dahlia Cav.		
a: 2001/2092 b: 20/12/2001 c:	a: 02871 b: 02871 c:	98.1836
Dianthus L.		
a: 2001/1972 b: 04/12/2001 c:	a: 00182 b: 00182 c:	weslibor
Dianthus caryophyllus L.		
a: 2001/1477 b: 31/10/2001 c:	a: 00182 b: 00182 c:	wesdiwit
Dracaena deremensis Engl.		
a: 2001/1465 b: 06/09/2001 c:	a: 01964 b: 01964 c: 01903	ae20001(yellin)

1	2	3
Echinacea purpurea (L.)		
a: 2001/1536	a: 03597	<i>razzmatazz</i>
b: 03/10/2001	b: 03597	
c:	c: 02749	
Erysimum L.		
a: 2001/2093	a: 02512	<i>walfrasun</i>
b: 20/12/2001	b: 02512	
c:	c:	
Euphorbia pulcherrima Willd. ex Klotzsch.		
a: 2001/1990	a: 03116	<i>klew01064</i>
b: 10/12/2001	b: 03116	
c:	c:	
a: 2001/1991	a: 03116	<i>klew01065</i>
b: 10/12/2001	b: 03116	
c:	c:	
a: 2001/1992	a: 03116	<i>klew01066</i>
b: 10/12/2001	b: 03116	
c:	c:	
a: 2001/1993	a: 03116	<i>klew01073</i>
b: 10/12/2001	b: 03116	
c:	c:	
a: 2001/2056	a: 03645	<i>lazzporsbbb</i>
b: 18/12/2001	b: 02470	
c:	c:	
a: 2001/2057	a: 03645	<i>lazzporeeee</i>
b: 18/12/2001	b: 02470	
c:	c:	
a: 2001/2058	a: 03645	<i>lazzporeddd</i>
b: 18/12/2001	b: 02470	
c:	c:	
a: 2001/2135	a: 03116	<i>klew01071</i>
b: 24/12/2001	b: 03116	
c:	c:	
a: 2001/2136	a: 03116	<i>klew01072</i>
b: 24/12/2001	b: 03116	
c:	c:	
Exacum L.		
a: 2001/1518	a: 01944	<i>rex-24</i>
b: 24/12/2001	b: 01944	
c:	c: 00003	
Ficus benjamina L.		
a: 2001/1953	a: 00277	<i>natadani</i>
b: 03/12/2001	b: 00277	
c:	c: 01903	
Fragaria x ananassa Duch.		
a: 2001/1917	a: 00331	<i>98 n 57</i>
b: 27/11/2001	b: 00331	
c:	c:	
a: 2001/1918	a: 00331	<i>98 n 105</i>
b: 27/11/2001	b: 00331	
c:	c:	
a: 2001/1989	a: 00132	<i>92.54.053</i>
b: 10/12/2001	b: 00132	
c:	c: 00466	
Freesia Eckl. ex. Klatt		
a: 2001/1916	a: 03056/03306	<i>9611e</i>
b: 26/11/2001	b: 03056/03306	
c:	c: 00225	

1	2	3
Fuchsia L.		
a: 2001/2139	a: 02716	<i>97cd109</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2140	a: 02716	<i>97cd11</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2141	a: 02716	<i>97cd13</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2142	a: 02716	<i>97au42</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2143	a: 02716	<i>97or100</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2144	a: 02716	<i>97cd80</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2145	a: 02716	<i>97cd32</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
a: 2001/2146	a: 02716	<i>97cd5</i>
b: 24/12/2001	b: 02716	
c:	c: 03367	
Geranium L.		
a: 2001/1486	a: 03590	<i>exc 01</i>
b: 13/11/2001	b: 03590	
c:	c: 03638	
a: 2001/1575	a: 02665	<i>black beauty</i>
b: 28/11/2001	b: 01625	
c:	c: 02334	
Gladiolus L.		
a: 2001/1775	a: 00369	<i>91-20-1</i>
b: 03/12/2001	b: 00369	
c:	c:	
a: 2001/1776	a: 02894	<i>21-85-8</i>
b: 03/12/2001	b: 02894	
c:	c:	
a: 2001/1777	a: 03283	<i>96-5008-3</i>
b: 03/12/2001	b: 03283	
c:	c:	
a: 2001/1778	a: 03283	<i>96-5218-11</i>
b: 03/12/2001	b: 03283	
c:	c:	
a: 2001/1779	a: 03283	<i>96-4281-8</i>
b: 03/12/2001	b: 03283	
c:	c:	
a: 2001/1780	a: 03283	<i>96-5001-89</i>
b: 03/12/2001	b: 03283	
c:	c:	
a: 2001/1781	a: 03283	<i>96-4948-24</i>
b: 03/12/2001	b: 03283	
c:	c:	
a: 2001/1782	a: 03283	<i>96-5001-6</i>
b: 03/12/2001	b: 03283	
c:	c:	

1	2	3	1	2	3
a: 2001/1783 b: 03/12/2001 c:	a: 03283 b: 03283 c:	96-4994-1	a: 2001/1885 b: 22/11/2001 c:	a: 03660 b: 03660 c:	ns1 97-7331
a: 2001/1784 b: 03/12/2001 c:	a: 03283 b: 03283 c:	96-5338-2	a: 2001/1886 b: 22/11/2001 c:	a: 03660 b: 03660 c:	ns1 97-6016
a: 2001/1785 b: 03/12/2001 c:	a: 03283 b: 03283 c:	96-4967-6	a: 2001/1887 b: 22/11/2001 c:	a: 03660 b: 03660 c:	ns1 97-2284
a: 2001/1786 b: 03/12/2001 c:	a: 03283 b: 03283 c:	96-5047-8	a: 2001/1888 b: 22/11/2001 c:	a: 03660 b: 03660 c:	ns1 98-4087
Globba winitii C.H. a: 2001/1597 b: 28/11/2001 c:	a: 03477 b: 03477 c:	97.01-03 no.1	a: 2001/2038 b: 17/12/2001 c:	a: 00187 b: 00187 c:	75734 zh
Guzmania Ruiz et Pav. a: 2001/1859 b: 20/11/2001 c:	a: 00741/00103 b: 00741/00103 c:	g0107	a: 2001/2039 b: 17/12/2001 c:	a: 00187 b: 00187 c:	1631 xh1
a: 2001/1862 b: 20/11/2001 c:	a: 00741/00103 b: 00741/00103 c:	g 0105	a: 2002/0033 b: 28/12/2001 c:	a: 03307 b: 03307 c:	mh gh 10.1
a: 2001/1863 b: 20/11/2001 c:	a: 00741/00103 b: 00741/00103 c:	g 0106	a: 2002/0034 b: 28/12/2001 c:	a: 03307 b: 03307 c:	mg gh 10.2
Gypsophila L. a: 2001/1651 b: 23/11/2001 c:	a: 03618 b: 03618 c: 03064	03701	Hosta Tratt. a: 2001/2131 b: 24/12/2001 c:	a: 01431 b: 01431 c: 02334	remember me
a: 2001/1652 b: 23/11/2001 c:	a: 03618 b: 03618 c: 03064	03901	Hydrangea L. a: 2001/1839 b: 19/11/2001 c:	a: 00128 b: 00128 c: 00441	rabearth
Heuchera L. a: 2001/1748 b: 07/12/2001 c:	a: 02133 b: 02133 c: 02334	vesuvius	a: 2001/1840 b: 19/11/2001 c:	a: 00128 b: 00128 c: 00441	ramars
a: 2001/2042 b: 17/12/2001 c:	a: 02133 b: 02133 c: 02334	black beauty	Hydrangea macrophylla (Thunb. ex Murr.) a: 2001/1746 b: 06/11/2001 c:	a: 03199 b: 03199 c:	soraya 958-8
Heucherella Wehrh. a: 2001/1487 b: 29/10/2001 c:	a: 02133 b: 02133 c: 02334	burnished bronze	a: 2001/1943 b: 03/12/2001 c:	a: 03682 b: 03682 c:	zoest-V/01
a: 2001/1488 b: 29/10/2001 c:	a: 02133 b: 02133 c: 02334	kimono	Hydrangea aspera D. Don. a: 2001/1461 b: 30/10/2001 c:	a: 03584 b: 03584 c:	late love
a: 2001/1489 b: 29/10/2001 c:	a: 02133 b: 02133 c: 02334	dayglow pink	Hypericum L. a: 2001/1942 b: 03/12/2001 c:	a: 03671 b: 03672 c: 00423	8M002
Hippeastrum Herb. a: 2001/1691 b: 15/11/2001 c:	a: 03631 b: 03631 c:	n° 349	Hypericum androsaemum L. a: 2001/1757 b: 08/11/2001 c:	a: 02989 b: 02989 c:	verhyp 09/01
Hordeum vulgare L. sensu lato a: 2001/1762 b: 12/11/2001 c:	a: 03641 b: 03641 c: 00427	nfc 497-8	Iberis sempervirens a: 2001/1576 b: 28/11/2001 c:	a: 02665 b: 03611 c: 02334	golden candy

1	2	3	1	2	3
Impatiens L.			a: 2001/1723	a: 00432	<i>kj 97-589-1</i>
a: 2001/1984	a: 02979	<i>idvaae</i>	b: 05/11/2001	b: 00123	
b: 10/12/2001	b: 02979		c:	c: 00423	
c:	c: 02961				
a: 2001/1985	a: 02979	<i>idvaaa</i>	a: 2001/1725	a: 00432	<i>kj 96-088-2</i>
b: 10/12/2001	b: 02979		b: 05/11/2001	b: 00123	
c:	c: 02961		c:	c: 00423	
a: 2001/2157	a: 00012	<i>fisguincoma1</i>	Kalanchoë blossfeldiana v. Poelln		
b: 28/12/2001	b: 03623		a: 2001/1724	a: 00432	<i>kj 98-286</i>
c:	c:		b: 05/11/2001	b: 00123	
a: 2001/2158	a: 00012	<i>fiswallrep1</i>	c:	c: 00423	
b: 28/12/2001	b: 03623		a: 2001/1842	a: 00432	<i>kj 2000-005</i>
c:	c:		b: 19/11/2001	b: 00123	
			c:	c: 00423	
Impatiens-New-Guinea-Hybrids			Lactuca sativa L.		
a: 2001/2169	a: 00071	<i>00-0068-06</i>	a: 2001/2063	a: 00088	<i>41-28 rz</i>
b: 28/12/2001	b: 00071		b: 18/12/2001	b: 00088	
c:	c:		c:	c:	
Impatiens walleriana Hook.			a: 2001/2064	a: 00088	<i>83-01 rz</i>
a: 2001/1954	a: 01071	<i>imw-11-12</i>	b: 18/12/2001	b: 00088	
b: 03/12/2001	b: 01071		c:	c:	
c:	c:		a: 2001/2065	a: 00088	<i>83-26 rz</i>
a: 2001/1955	a: 01071	<i>imx-12-8</i>	b: 18/12/2001	b: 00088	
b: 03/12/2001	b: 01071		c:	c:	
c:	c:		a: 2001/2066	a: 00088	<i>84-02 rz</i>
a: 2001/1956	a: 01071	<i>idx-3-6</i>	b: 18/12/2001	b: 00088	
b: 03/12/2001	b: 01071		c: 28/01/2000	c:	
c:	c:		a: 2001/2067	a: 00088	<i>43-69 rz</i>
a: 2001/2099	a: 00633	<i>balfieblus</i>	b: 18/12/2001	b: 00088	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2068	a: 00088	<i>43-47 rz</i>
a: 2001/2100	a: 00633	<i>balfiedeor</i>	b: 18/12/2001	b: 00088	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2150	a: 02701	<i>nun 6000 lt</i>
a: 2001/2101	a: 00633	<i>balolestop</i>	b: 28/12/2001	b: 02701	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2151	a: 02701	<i>nun 8801 lt</i>
a: 2001/2102	a: 00633	<i>balolesal</i>	b: 28/12/2001	b: 02701	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2152	a: 02701	<i>nun 0008 lt</i>
a: 2001/2103	a: 00633	<i>balolecher</i>	b: 28/12/2001	b: 02701	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2153	a: 02701	<i>nun 4000 lt</i>
a: 2001/2104	a: 00633	<i>balolefro</i>	b: 28/12/2001	b: 02701	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2154	a: 02701	<i>nun 5307 lt</i>
a: 2001/2105	a: 00633	<i>balfieplos</i>	b: 28/12/2001	b: 02701	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		a: 2001/2155	a: 02701	<i>nun 4500 lt</i>
a: 2001/2106	a: 00633	<i>balfiesaci</i>	b: 28/12/2001	b: 02701	
b: 20/12/2001	b: 03217		c:	c:	
c:	c: 00423		Lavatera L.		
Kalanchoë Adans.			a: 2001/1682	a: 03698	<i>barnsley baby</i>
a: 2001/1722	a: 00432	<i>kj 99-313</i>	b: 14/12/2001	b: 03624/03625	
b: 05/11/2001	b: 00123		c:	c: 03423	
c:	c: 00423				

1	2	3	1	2	3
Leucothoë axillaris (Lam.) D. Don			a: 2001/1823	a: 02791	<i>cg 99-10</i>
a: 2001/1519	a: 03596	<i>curly red</i>	b: 16/11/2001	b: 02791	
b: 05/11/2001	b: 03603		c:	c:	
c:	c:				
Lilium L.			a: 2001/1824	a: 02791	<i>cg 98-13</i>
a: 2001/1805	a: 02791	<i>w 99-6</i>	b: 16/11/2001	b: 02791	
b: 16/11/2001	b: 02791		c:	c:	
c:	c:				
a: 2001/1806	a: 02791	<i>w 99-5</i>	a: 2001/1825	a: 02791	<i>cf 99-1</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1807	a: 02791	<i>rs 96-42</i>	a: 2001/1826	a: 02791	<i>98-54</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1809	a: 02791	<i>or 99-16</i>	a: 2001/1827	a: 02791	<i>98-42</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1810	a: 02791	<i>or 96-18</i>	a: 2001/1828	a: 02791	<i>98-36</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1811	a: 02791	<i>or 95-3</i>	a: 2001/1829	a: 02791	<i>98-34</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1812	a: 02791	<i>g 99-13</i>	a: 2001/1830	a: 02791	<i>98-25</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1813	a: 02791	<i>g 98-2</i>	a: 2001/1831	a: 02791	<i>98-8</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1814	a: 02791	<i>g 93-22</i>	a: 2001/1832	a: 02791	<i>98-5</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1815	a: 02791	<i>cw 99-4</i>	a: 2001/1833	a: 02791	<i>98-4</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1816	a: 02791	<i>cw 99-1</i>	a: 2001/1834	a: 02791	<i>98-3</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1817	a: 02791	<i>cm 99-10</i>	a: 2001/1835	a: 02791	<i>98-2</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1818	a: 02791	<i>cm 96-30</i>	a: 2001/1836	a: 02791	<i>97-6</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1819	a: 02791	<i>cj 99-8</i>	a: 2001/1837	a: 02791	<i>98-7</i>
b: 16/11/2001	b: 02791		b: 16/11/2001	b: 02791	
c:	c:		c:	c:	
a: 2001/1820	a: 02791	<i>cj 99-4</i>	a: 2001/1898	a: 03664	<i>cher</i>
b: 16/11/2001	b: 02791		b: 22/11/2001	b: 03664	
c:	c:		c:	c: 00420	
a: 2001/1821	a: 02791	<i>cg 99-15</i>	a: 2001/1899	a: 03664	<i>ceres</i>
b: 16/11/2001	b: 02791		b: 22/11/2001	b: 03664	
c:	c:		c:	c: 00420	
a: 2001/1822	a: 02791	<i>cg 99-12</i>	a: 2001/1900	a: 03664	<i>petit lemon</i>
b: 16/11/2001	b: 02791		b: 22/11/2001	b: 03664	
c:	c:		c:	c: 00420	

1	2	3
a: 2001/1901 b: 22/11/2001 c:	a: 03664 b: 03664 c: 00420	<i>vulcanus</i>
a: 2001/1902 b: 22/11/2001 c:	a: 03664 b: 03664 c: 00420	<i>dolphin</i>
a: 2001/2113 b: 21/12/2001 c:	a: 03079 b: 03079 c:	<i>89-13-1</i>
Limonium sinuatum (L.) Mill.		
a: 2001/1804 b: 16/11/2001 c:	a: 03571 b: 03571 c: 00420	<i>crystal white improved</i>
Limonium L.		
a: 2001/1607 b: 06/11/2001 c:	a: 03493 b: 03493 c: 00225	<i>y2000</i>
Limonium gmelinii (Willd.) Kuntze		
a: 2001/1473 b: 23/11/2001 c:	a: 03588 b: 03588 c:	<i>leonard</i>
Liquidambar styraciflua L.		
a: 2001/1653 b: 10/12/2001 c:	a: 03619 b: 03619 c: 01207	<i>golden sun</i>
Lycopersicon lycopersicum (L.) Karst. ex. Farw.		
a: 2001/2047 b: 17/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>fir 16-1058</i>
a: 2001/2048 b: 17/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>fir 16-1045</i>
a: 2001/2049 b: 17/12/2001 c:	a: 00938 b: 00938 c: 02329	<i>fir 16-2060</i>
Malus Mill.		
a: 2001/1441 b: 29/11/2001 c:	a: 03575 b: 03575 c:	<i>roho 3615</i>
a: 2001/1946 b: 03/12/2001 c:	a: 00368 b: 00368 c: 01790	<i>deljuga</i>
a: 2001/2149 b: 26/12/2001 c:	a: 03697 b: 03697 c: 00160	<i>bma01</i>
Myosotis alpestris		
a: 2001/2156 b: 28/12/2001 c:	a: 01498 b: 01498 c:	<i>bosmypo</i>
Nephrolepis cordifolia (L.) C.Presl		
a: 2001/1951 b: 03/12/2001 c:	a: 03679 b: 03679 c: 01903	<i>vp001</i>
Nephrolepis exaltata (L.) Schott		
a: 2001/1952 b: 03/12/2001 c:	a: 03679 b: 03679 c: 01903	<i>vp002</i>

1	2	3
Nicotiana L.		
a: 2001/1881 b: 21/11/2001 c: 28/11/2000	a: 03657 b: 03659 c: 03658	<i>vector 21-41</i>
Osteospermum ecklonis (DC.) Norl.		
a: 2001/1758 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumost 01</i>
a: 2001/1759 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumost 02</i>
Pelargonium peltatum (L.) L'Herit. ex. Ait.		
a: 2001/2159 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 0624</i>
a: 2001/2160 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 0524</i>
a: 2001/2161 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 1624</i>
a: 2001/2162 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 1539</i>
a: 2001/2165 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 1612</i>
a: 2001/2166 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 0409</i>
a: 2001/2167 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 0303</i>
a: 2001/2168 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 3937</i>
a: 2001/2170 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 3408</i>
a: 2001/2171 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 3727</i>
Pelargonium zonale (L.) L'Herit. ex Ait.		
a: 2001/2163 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 6954</i>
a: 2001/2164 b: 28/12/2001 c:	a: 00071 b: 00071 c:	<i>red fox 4002</i>
Petunia Juss.		
a: 2001/1579 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe155a</i>
a: 2001/1580 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe9</i>

1	2	3	1	2	3
a: 2001/1581 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe13</i>	a: 2001/1636 b: 19/10/2001 c:	a: 00139 b: 00139 c: 00943	<i>99h-v-1</i>
a: 2001/1582 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe201a</i>	a: 2001/1733 b: 05/11/2001 c:	a: 01364 b: 01364 c: 03646	<i>6311</i>
a: 2001/1583 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe272a</i>	a: 2001/1734 b: 05/11/2001 c:	a: 01364 b: 01364 c: 03646	<i>T257</i>
a: 2001/1584 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe109b</i>	a: 2001/1794 b: 18/12/2001 c:	a: 03645 b: 02470 c:	<i>lazzpersfff</i>
a: 2001/1585 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe61c</i>	a: 2001/1795 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpereaaa</i>
a: 2001/1586 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe270b</i>	a: 2001/1796 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpershhh</i>
a: 2001/1587 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe71</i>	a: 2001/1797 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpewhbbb</i>
a: 2001/1588 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe286b</i>	a: 2001/1798 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpersddd</i>
a: 2001/1589 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe278b</i>	a: 2001/1799 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpewhaaa</i>
a: 2001/1590 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>99cbe133</i>	a: 2001/1800 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpersccc</i>
a: 2001/1591 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>20cbe65</i>	a: 2001/1801 b: 18/12/2001 c:	a: 03645 b: 02470 c:	<i>lazzpesaaaa</i>
a: 2001/1592 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>01lh167a</i>	a: 2001/1802 b: 16/11/2001 c:	a: 03645 b: 02470 c:	<i>lazzpepubbb</i>
a: 2001/1593 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>99cbe510</i>	a: 2001/1925 b: 28/11/2001 c:	a: 03666 b: 03667 c: 00082	<i>p 99 b 7</i>
a: 2001/1594 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>99cbe133e</i>	a: 2001/1975 b: 05/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumpet 01</i>
a: 2001/1595 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>99cbe27b</i>	a: 2001/1976 b: 05/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumpet 02</i>
a: 2001/1596 b: 05/11/2001 c:	a: 03546 b: 03546 c:	<i>01lh170a</i>	a: 2001/1977 b: 05/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumpet 03</i>
a: 2001/1634 b: 19/10/2001 c:	a: 00139 b: 00139 c: 00943	<i>99w-b-2</i>	a: 2001/1978 b: 05/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumpet 04</i>
a: 2001/1635 b: 19/10/2001 c:	a: 00139 b: 00139 c: 00943	<i>97w-L-2</i>	a: 2001/1979 b: 05/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumpet 05</i>

1	2	3
Phaseolus vulgaris L.		
a: 2001/2094 b: 20/12/2001 c:	a: 00913 b: 00913 c:	<i>hs 104</i>
a: 2001/2095 b: 20/12/2001 c:	a: 00913 b: 00913 c:	<i>hs 116</i>
a: 2001/2096 b: 20/12/2001 c:	a: 00913 b: 00913 c:	<i>hs 265</i>
a: 2001/2097 b: 20/12/2001 c:	a: 00913 b: 00913 c:	<i>hs 306</i>
a: 2001/2098 b: 20/12/2001 c:	a: 00913 b: 00913 c:	<i>hs 1155</i>
Photinia Lindl.		
a: 2001/1756 b: 08/11/2001 c:	a: 03639 b: 03639 c: 02433	<i>red planet</i>
Phalaenopsis Bl.		
a: 2001/1664 b: 23/10/2001 c:	a: 02001 b: 02001 c: 00423	<i>nr.1715</i>
a: 2001/1665 b: 23/10/2001 c:	a: 02001 b: 02001 c: 00423	<i>nr.1707</i>
a: 2001/1666 b: 23/10/2001 c:	a: 02001 b: 02001 c: 00423	<i>nr.1900</i>
a: 2001/1974 b: 05/12/2001 c:	a: 02001 b: 02001 c: 00423	<i>nr.1722</i>
Phygelius E. Mey. ex Benth.		
a: 2001/1736 b: 27/11/2001 c: 19/09/2001	a: 01849/02511 b: 01849/02511 c:	<i>bla 98/2</i>
Pisum sativum L. sensu lato		
a: 2002/0037 b: 28/12/2001 c:	a: 03307 b: 03307 c:	<i>mh 98-1</i>
Platycodon grandiflorus (Jacq.) A. DC.		
a: 2001/1880 b: 23/11/2001 c:	a: 00078 b: 00078 c: 00003	<i>3153/00</i>
Prunus armeniaca L.		
a: 2001/1744 b: 05/11/2001 c:	a: 00689 b: 00689 c: 00827	<i>a 2917</i>
a: 2001/1745 b: 05/11/2001 c:	a: 00689/03652 b: 00689/03652 c: 00827	<i>a 3948</i>
Prunus avium (L.) L.		
a: 2001/1905 b: 23/11/2001 c:	a: 00189 b: 01067 c:	<i>18115 cs</i>

1	2	3
a: 2001/1906 b: 23/11/2001 c:	a: 00189 b: 01067 c:	<i>18110 cs</i>
a: 2001/1907 b: 23/11/2001 c:	a: 00189 b: 01067 c:	<i>1440 cs</i>
a: 2001/2003 b: 13/12/2001 c:	a: 00189 b: 01067 c:	<i>11 29 cs</i>
Prunus persica (L.) Batsch		
a: 2001/1739 b: 23/11/2001 c:	a: 00689 b: 00689 c: 00827	<i>s 6606</i>
a: 2001/1740 b: 23/11/2001 c:	a: 00689 b: 00689 c: 00827	<i>s 6184</i>
a: 2001/1741 b: 23/11/2001 c:	a: 00689 b: 00689 c: 00827	<i>s 6422</i>
a: 2001/1742 b: 23/11/2001 c:	a: 00689 b: 00689 c: 00827	<i>s 6817</i>
a: 2001/1743 b: 23/11/2001 c:	a: 00689 b: 00689 c: 00827	<i>s 5848</i>
a: 2001/1903 b: 23/11/2001 c:	a: 00189 b: 01065 c:	<i>50296 nb</i>
a: 2001/1904 b: 23/11/2001 c:	a: 00189 b: 01065 c:	<i>53497 pb</i>
a: 2001/1937 b: 29/11/2001 c:	a: 00189 b: 01065 c:	<i>400 94 p</i>
a: 2001/1938 b: 29/11/2001 c:	a: 00189 b: 01065 c:	<i>412 94 p</i>
a: 2001/1939 b: 29/11/2001 c:	a: 00189 b: 01065 c:	<i>467 95 n</i>
a: 2001/1940 b: 29/11/2001 c:	a: 00189 b: 01065 c:	<i>541 97 nb</i>
a: 2001/2051 b: 17/12/2001 c:	a: 03688 b: 03689/03690 c: 02671	<i>a 39 006</i>
Prunus salicina Lindl.		
a: 2001/1950 b: 03/12/2001 c: 04/12/2000	a: 03677 b: 03677 c: 03678	<i>aphrodite</i>
Pulmonária L.		
a: 2001/1747 b: 28/11/2001 c:	a: 02133 b: 02133 c: 02334	<i>nothern lights</i>
a: 2001/2043 b: 17/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>high contrast</i>

1	2	3	1	2	3
Raphanus sativus L. var. radicola Pers.			a: 2001/2053	a: 02304	<i>interilete</i>
a: 2001/2046	a: 00088	39-11 rz	b: 20/12/2001	b: 02304	
b: 17/12/2001	b: 00088		c:	c: 02955	
c:	c:				
Rosa L.			a: 2001/2054	a: 02304	<i>interyassor</i>
a: 2001/1539	a: 00124	<i>tan99065</i>	b: 20/12/2001	b: 02304	
b: 04/12/2001	b: 02276		c:	c: 02955	
c:	c:				
a: 2001/1611	a: 00124	<i>tan97103</i>	a: 2001/2055	a: 02304	<i>interyelhela</i>
b: 04/12/2001	b: 00124		b: 20/12/2001	b: 02304	
c:	c:		c:	c: 02955	
a: 2001/1612	a: 00124	<i>tan96590</i>	a: 2001/2075	a: 02365	<i>olijcupi</i>
b: 04/12/2001	b: 00124		b: 18/12/2001	b: 02365	
c:	c:		c:	c:	
a: 2001/1613	a: 00124	<i>tanarubz</i>	a: 2001/2076	a: 02365	<i>olijuniv</i>
b: 04/12/2001	b: 00124		b: 18/12/2001	b: 02365	
c:	c:		c:	c:	
a: 2001/1692	a: 00092	<i>d/20b/97</i>	a: 2001/2077	a: 02365	<i>olijbliz</i>
b: 10/12/2001	b: 00092		b: 18/12/2001	b: 02365	
c:	c: 00475		c:	c:	
a: 2001/1693	a: 00092	<i>c/15b/97</i>	a: 2001/2078	a: 01366	<i>korbadared</i>
b: 29/10/2001	b: 00092		b: 18/12/2001	b: 01366/01367/ 01368	
c:	c: 00475		c:	c: 00421	
a: 2001/1694	a: 00092	<i>b/1a/97</i>	a: 2001/2079	a: 01366	<i>korcalfer</i>
b: 29/10/2001	b: 00092		b: 18/12/2001	b: 01366/01367/ 01368	
c:	c: 00475		c:	c: 00421	
a: 2001/1700	a: 02622	<i>fryentice</i>	a: 2001/2081	a: 00021	<i>schanno</i>
b: 18/12/2001	b: 02622		b: 18/12/2001	b: 00021	
c:	c:		c:	c:	
a: 2001/1767	a: 00081	<i>poulhi008</i>	a: 2001/2082	a: 00021	<i>schozes</i>
b: 14/11/2001	b: 00081		b: 18/12/2001	b: 00021	
c:	c:		c:	c:	
a: 2001/1768	a: 00081	<i>poulhi009</i>	a: 2001/2083	a: 00021	<i>schoffo</i>
b: 14/11/2001	b: 00081		b: 18/12/2001	b: 00021	
c:	c:		c:	c:	
a: 2001/1803	a: 01366	<i>korflanka</i>	a: 2001/2084	a: 00021	<i>schrecla</i>
b: 16/11/2001	b: 01366/01367/ 01368		b: 18/12/2001	b: 00021	
c:	c: 00421		c:	c:	
a: 2001/1980	a: 00124	<i>tan98999</i>	a: 2001/2085	a: 00021	<i>schisab</i>
b: 06/12/2001	b: 02276		b: 18/12/2001	b: 00021	
c:	c:		c:	c:	
a: 2001/1983	a: 00368	<i>delbiros</i>	a: 2001/2115	a: 00251	<i>ruima11</i>
b: 10/12/2001	b: 00368		b: 24/12/2001	b: 00251	
c:	c: 01790		c:	c:	
a: 2001/1986	a: 00130	<i>spesimsala</i>	a: 2001/2116	a: 00251	<i>ruiwo7218</i>
b: 17/12/2001	b: 03680		b: 24/12/2001	b: 00251	
c:	c:		c:	c:	
a: 2001/1987	a: 00130	<i>spehocsel</i>	a: 2001/2117	a: 01807	<i>panf610</i>
b: 17/12/2001	b: 03680		b: 24/12/2001	b: 01807	
c:	c:		c:	c: 00251	
a: 2001/2022	a: 00130	<i>somnip</i>	a: 2001/2118	a: 01807	<i>pane550</i>
b: 26/12/2001	b: 03684		b: 24/12/2001	b: 01807	
c:	c:		c:	c: 00251	
a: 2001/2052	a: 02304	<i>intersweice</i>	a: 2001/2119	a: 00230	<i>sr 165</i>
b: 20/12/2001	b: 02304		b: 24/12/2001	b: 00230	
c:	c: 02955		c:	c:	

1	2	3	1	2	3
a: 2001/2120 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 166</i>	a: 2001/1787 b: 15/11/2001 c:	a: 03198 b: 03198 c:	<i>shg128a</i>
a: 2001/2121 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 167</i>	a: 2001/1926 b: 28/11/2001 c:	a: 01881 b: 03668 c: 01882	<i>91-a15-20</i>
a: 2001/2122 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 168</i>	a: 2001/2019 b: 14/12/2001 c: 18/12/2000	a: 00386 b: 00386 c:	<i>vr 90-44</i>
a: 2001/2123 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 169</i>	a: 2001/2020 b: 14/12/2001 c: 18/12/2000	a: 00386 b: 00386 c:	<i>vr 90-61</i>
a: 2001/2124 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 160</i>	a: 2001/2091 b: 19/12/2001 c:	a: 00054 b: 00054 c: 02902	<i>scri 85.c.5.d19</i>
a: 2001/2125 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 161</i>	Spathiphyllum Schott.		
a: 2001/2126 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 162</i>	a: 2001/1721 b: 05/11/2001 c:	a: 00171 b: 02519 c: 00423	<i>nr.577</i>
a: 2001/2127 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 163</i>	a: 2001/1755 b: 08/11/2001 c:	a: 03525 b: 03525 c: 01889	<i>kpsp 200101</i>
a: 2001/2128 b: 24/12/2001 c:	a: 00230 b: 00230 c:	<i>sr 164</i>	Spinacea oleracea L.		
a: 2001/2147 b: 26/12/2001 c:	a: 00130 b: 00130 c:	<i>spebrown</i>	a: 2001/2059 b: 18/12/2001 c:	a: 00088 b: 00088 c:	<i>51-61 rz</i>
Salix L.			a: 2001/2060 b: 18/12/2001 c:	a: 00088 b: 00088 c:	<i>99.17034 rz</i>
a: 2001/1482 b: 08/11/2001 c:	a: 03589 b: 03589 c: 01207	<i>flamingo</i>	a: 2001/2061 b: 18/12/2001 c:	a: 00088 b: 00088 c:	<i>51-62 rz</i>
Sanvitalia Lam.			a: 2001/2062 b: 18/12/2001 c:	a: 00088 b: 00088 c:	<i>51-59 rz</i>
a: 2001/1792 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumsan 01</i>	Streptocarpus Lindl.		
Scabiosa atropurpurea L.			a: 2001/2017 b: 14/12/2001 c:	a: 02459 b: 02459 c:	<i>000502</i>
a: 2001/1522 b: 22/11/2001 c:	a: 02269 b: 03267 c:	<i>chilli sauce</i>	Tiarella L.		
a: 2001/1523 b: 22/11/2001 c:	a: 02269 b: 03267 c:	<i>chilli pepper</i>	a: 2001/1750 b: 07/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>neon lights</i>
Schefflera J. R. et G. Forst			a: 2001/1751 b: 07/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>starfish</i>
a: 2001/1572 b: 12/11/2001 c:	a: 03610 b: 03609 c:	<i>heart</i>	a: 2001/1752 b: 07/12/2001 c:	a: 02133 b: 02133 c: 02334	<i>jeepers creepers</i>
Senecio L.			Tibouchina urvilleana (DC) Cogn.		
a: 2001/1753 b: 07/11/2001 c:	a: 02937 b: 02937 c: 01903	<i>pla0007sen</i>	a: 2001/1565 b: 15/11/2001 c:	a: 03120 b: 03606 c: 00423	<i>oostrio</i>
Solanum tuberosum L.			Torenia L.		
a: 2001/1609 b: 05/11/2001 c:	a: 00054 b: 00054 c: 03136	<i>lady balfour</i>	a: 2001/1793 b: 26/11/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumtor 01</i>

1	2	3	1	2	3
Trachelium L.			a: 2001/2070	a: 01271	218 84 6
a: 2001/1716	a: 00078	722/01	b: 18/12/2001	b: 01271	
b: 19/11/2001	b: 00078	<i>passion in white</i>	c:	c: 00033	
c:	c: 00003				
a: 2001/1717	a: 00078	733/01	a: 2001/2071	a: 01271	33 79 99
b: 19/11/2001	b: 00078	<i>passion in lilac</i>	b: 18/12/2001	b: 01271	
c:	c: 00003		c:	c: 00033	
a: 2001/1718	a: 00078	740/01 <i>passion</i>	a: 2001/2072	a: 01271	58 80 16
b: 19/11/2001	b: 00078	<i>in deep purple</i>	b: 18/12/2001	b: 01271	
c:	c: 00003		c:	c: 00033	
Triticum durum Desf.			a: 2001/2073	a: 01271	33 79 54
a: 2001/1958	a: 00180	22d51	b: 18/12/2001	b: 01271	
b: 03/12/2001	b: 00180		c:	c: 00033	
c:	c: 02494		a: 2001/2074	a: 01271	219 84 7
a: 2001/2021	a: 00009	90039-m11	b: 18/12/2001	b: 01271	
b: 14/12/2001	b: 00009		c:	c: 00033	
c:	c:		Valerianella locusta L. & V. eriocarpa Desv.		
Triticum aestivum L. emend. Fiori et Paol.			a: 2001/1710	a: 00137	clx3433
a: 2001/1648	a: 00009	<i>raspail (fd98072)</i>	b: 23/11/2001	b: 00137	
b: 20/11/2001	b: 00009		c:	c:	
c:	c:		Verbena L.		
a: 2001/1754	a: 00062	xi 19	a: 2001/1625	a: 03546	2001bc01
b: 08/11/2001	b: 00062		b: 23/11/2001	b: 03546	
c:	c: 00007		c:	c:	
a: 2001/1882	a: 03660	nsl ww37	a: 2001/1626	a: 03546	2001blcl01
b: 22/11/2001	b: 03660		b: 23/11/2001	b: 03546	
c:	c:		c:	c:	
a: 2001/1883	a: 03660	nsl ww39	a: 2001/1627	a: 03546	2001blc01
b: 22/11/2001	b: 03660		b: 23/11/2001	b: 03546	
c:	c:		c:	c:	
a: 2001/1884	a: 03660	nsl ww41	a: 2001/1628	a: 03546	2001vlt01
b: 22/11/2001	b: 03660		b: 23/11/2001	b: 03546	
c:	c:		c:	c:	
a: 2001/1959	a: 00180	22r35	a: 2001/1629	a: 03546	2001evb01
b: 03/12/2001	b: 00180		b: 23/11/2001	b: 03546	
c:	c: 02494		c:	c:	
a: 2002/0035	a: 03307	mh 97-15	a: 2001/1630	a: 03546	2001rs01
b: 28/12/2001	b: 03307		b: 23/11/2001	b: 03546	
c:	c:		c:	c:	
a: 2002/0036	a: 03307	mh 97-09	a: 2001/1631	a: 03546	2001rg01
b: 28/12/2001	b: 03307		b: 23/11/2001	b: 03546	
c:	c:		c:	c:	
Tricyrtis formosana Baker			a: 2001/1729	a: 00633	balazdapi
a: 2001/2040	a: 02133	gilty pleasure	b: 05/11/2001	b: 01208	
b: 17/12/2001	b: 02133		c:	c: 00423	
c:	c: 02334		a: 2001/1730	a: 00633	balazlavi
X Triticosecale W.			b: 05/11/2001	b: 01208	
a: 2001/1647	a: 00009	triade	c:	c: 00423	
b: 21/11/2001	b: 00009	(fd95011-8-2)	a: 2001/1731	a: 00633	balazred
c:	c:		b: 05/11/2001	b: 01208	
a: 2001/1970	a: 01576	ld 86-13	c:	c: 00423	
b: 20/12/2001	b: 01576		a: 2001/1732	a: 00633	balazplum
c:	c:		b: 05/11/2001	b: 01208	
Tulipa L.			c:	c: 00423	
a: 2001/2069	a: 01271	94 80 5	a: 2001/1960	a: 02374	sumverb 01
b: 18/12/2001	b: 01271		b: 03/12/2001	b: 02374	
c:	c: 00033		c:	c: 00441	

1	2	3
a: 2001/1961 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 02</i>
a: 2001/1962 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 03</i>
a: 2001/1963 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 04</i>
a: 2001/1964 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 05</i>
a: 2001/1965 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 06</i>
a: 2001/1966 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 07</i>
a: 2001/1967 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 08</i>
a: 2001/1968 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 10</i>
a: 2001/1969 b: 03/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb 11</i>
a: 2001/2037 b: 17/12/2001 c:	a: 03325 b: 03325 c:	<i>b 852-16</i>
a: 2001/2114 b: 21/12/2001 c:	a: 02374 b: 02374 c: 00441	<i>sumverb09</i>
Verbascum L. a: 2001/1483 b: 08/11/2001 c:	a: 00657 b: 00657 c: 01207	<i>cherry helen</i>

1	2	3
Vriesea Lindl. a: 2001/1858 b: 20/11/2001 c:	a: 02341/02342 b: 02341/02342 c: 00741	<i>vr 0102</i>
a: 2001/1860 b: 20/11/2001 c:	a: 02341/02342 b: 02341/02342 c: 00741	<i>vr0105</i>
a: 2001/1861 b: 20/11/2001 c:	a: 02341/02342 b: 02341/02342 c: 00741	<i>vr 0101</i>
a: 2001/1864 b: 20/11/2001 c:	a: 02341/02342 b: 02341/02342 c: 00741	<i>vr 0103</i>
a: 2001/1971 b: 04/12/2001 c:	a: 02341/02342 b: 02341/02342 c: 00741	<i>vr 0104</i>
Zantedeschia Spreng. a: 2001/1841 b: 19/11/2001 c:	a: 03649 b: 03650 c: 00423	<i>red desire</i>
a: 2001/1879 b: 05/12/2001 c:	a: 02546 b: 02546 c:	<i>captain volante</i>
Zea mays L. a: 2001/1654 b: 26/11/2001 c:	a: 03602 b: 03602 c: 02116	<i>jhax410</i>
a: 2001/1655 b: 26/11/2001 c:	a: 03602 b: 03602 c: 02116	<i>max0744</i>
a: 2001/1656 b: 26/11/2001 c:	a: 03602 b: 03602 c: 02116/	<i>ssid461</i>
a: 2001/2137 b: 24/12/2001 c:	a: 00044 b: 00486/00489/ 02076 c: 00486	<i>kw4f560</i>
a: 2001/2138 b: 24/12/2001 c:	a: 00044 b: 00486/00489/ 02076 c: 00486	<i>kw4f569</i>

Capítulo II: Denominaciones de variedades ⁽¹⁾ / Kapitel II: Sortsbetegnelser ⁽¹⁾ / Kapitel II: Sortenbezeichnungen ⁽¹⁾ / Κεφάλαιο II: Ονομασίες ποικιλιών ⁽¹⁾ / Chapter II: Variety denominations ⁽¹⁾ / Chapitre II: Dénominations variétales ⁽¹⁾ / Capitolo II: Denominazioni varietali ⁽¹⁾ / Hoofdstuk II: Rasbenamingen ⁽¹⁾ / Capítulo II: Denominações varietais ⁽¹⁾ / Luku II: Lajikenimet ⁽¹⁾ / Kapitel II: Sortbenämningar ⁽¹⁾

Cuadro II.1: Propuestas de denominaciones de variedades / Tabel II.1: Forslag til sortsbetegnelser / Tabelle II.1: Vorschläge für Sortenbezeichnungen / Πίνακας II.1: Προτεινόμενες ονομασίες ποικιλιών / Table II.1: Proposals for variety denominations / Table II.1: Dénominations variétales proposées / Tabella II.1: Proposte di denominazione varietale / Tabel II.1: Voorstel voor een rasbenaming / Quadro II.1: Propostas de denominações varietais / Taulukko II.1: Ehdotukset lajikenimiksi / Tabell II.1: Förslag till sortbenämning

1	2	3
Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisteri-numero / Ansökningsnummer	a: Solicitante / Ansøger / Antragsteller / Αιτών / Applicant / Demandeur / Richiedente / Aanvrager / Requerente / Hakija / Sökande b: Obtentor / Forædler / Züchter / Δημιουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förlädlare c: Representante legal / Befuldsmægtiget / Verfahrensvertreter / Αντίκλητος / Procedural representative / Mandataire / Mandatario / Vertegenwoordiger voor de procedure / Representante para efeitos processuais / Valtuutettu henkilö / Ombud	a: Propuesta de denominación de variedad / Forslag til sortsbetegnelse / Vorschlag der Sortenbezeichnung / Προτεινόμενη ονομασία της ποικιλίας / Proposal for a variety denomination / Proposition de dénomination variétale / Proposta di denominazione varietale / Voorstel voor een rasbenaming / Proposta de denominação varietal / Ehdotus lajikenimeksi / Förslag till sortbenämningar b⁽²⁾: Designación provisional / Foreløbig betegnelse / Vorläufige Bezeichnung / Προσωρινή περιγραφή / Provisional designation / Désignation provisoire / Designazione provvisoria / Voorlopige aanduiding / Designação provisória / Väliaikainen nimi / Preliminär beteckning c⁽³⁾: F = Nombre de fantasía; C = Código / F = Fantasi-navn; C = Kode / F = Phantasiename; C = Code / F = Ελεύθερη ονομασία; C = Κωδικός / F = Fancy name; C = Code / F = Nom de fantaisie; C = Code / F = Nome di fantasia; C = Codice / F = Fantasienaan; C = Code / F = Denominação de fantasia; C = Código / F = Keksitty nimi (suuntaviivoissa "yleiskielinen nimi"); C = Koodi / F = Fantasinamn; C = Kod

1	2	3
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Acer shirasawanum L.

2001/1763

a: 03642
b: 03642
c:

a: JORDAN
b: jordan
c: F

1	2	3
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Astroemeria L.

2001/1670

a: 00029
b: 00029
c:

a: ZANRINA
b: na70
c: F

⁽¹⁾ Pueden presentarse objeciones a las denominaciones de variedades propuestas en un plazo de tres meses a partir de su publicación [letra b) del apartado 4 del artículo 59 del Reglamento (CE) n° 2100/94].

Indsigelser mod foreslåede sortsbetegnelser kan indgives inden for en frist på tre måneder fra offentliggørelsen (artikel 59, stk. 4, litra b), i forordning (EF) nr. 2100/94).

Einwendungen gegen die vorgeschlagenen Sortenbezeichnungen können binnen drei Monaten nach ihrer Veröffentlichung eingereicht werden (Artikel 59 Absatz 4 Buchstabe b) der Verordnung (EG) Nr. 2100/94).

Ενστάσεις για τις προτεινόμενες ονομασίες ποικιλιών δύνανται να κατατεθούν εντός τριών μηνών από τη δημοσίευσή τους [άρθρο 59 παράγραφος 4 στοιχείο β) του κανονισμού (ΕΚ) αριθ. 2100/94].

Objections to the proposed variety denominations may be made within three months of their publication (Article 59(4)(b) of Regulation (EC) No 2100/94).

Des objections aux dénominations variétales proposées peuvent être déposées dans un délai de trois mois à compter de leur publication [article 59, paragraphe 4, point b), du règlement (CE) n° 2100/94].

Possono essere sollevate obiezioni alle denominazioni varietali proposte nel termine di tre mesi dalla loro pubblicazione [articolo 59, paragrafo 4, lettera b), del regolamento (CE) n. 2100/94].

Bezwaarschriften tegen de voorgestelde rasbenamingen kunnen worden ingediend tot drie maanden na de publicatie (artikel 59, lid 4, onder b), van Verordening (EG) nr. 2100/94).

Podem ser apresentadas oposições a propostas de denominação varietal no prazo de três meses a contar da respectiva publicação [n.º 4, alínea b), do artigo 59.º do Regulamento (CE) n.º 2100/94].

Lajikenimiehdotuksia koskevat vastalauseet voidaan jättää kolmen kuukauden kuluessa ehdotuksen julkaisemisesta (asetuksen (EY) N:o 2100/94 59 artiklan 4 kohdan b alakohhta). Invändningar mot föreslagna sortbenämningar kan lämnas in inom en tidsfrist på tre månader från offentliggörandet (artikel 59.4 b, i förordning (EG) nr 2100/94).

⁽²⁾ Referencia del obtentor / Forædlerens betegnelse / Anmeldebezeichnung / Αριθμός μητρώου του δημιουργού / Breeder's reference / Référence de l'obteneur / Indicazione del costitutore / Referentie kweker / Referência do obtentor / Jalostajan viite / Förlädlarens beteckning.

⁽³⁾ Véanse las «directrices del Consejo de administración relativas a las denominaciones varietales» / Se »administrationsrådets retningslinjer for sortsbetegnelser« / Siehe »leitlinien des Verwaltungsrates betreffend die Sortenbezeichnungen« / «Οδηγίες του διοικητικού συμβουλίου σχετικά με τις ονομασίες ποικιλίας» / See »Guidelines of the Administrative Council on variety denominations« / Voir «orientations du Conseil d'Administration relatives aux dénominations variétales» / Si veda «linee guida del consiglio di amministrazione sulle denominazioni delle varietà» / Zie „richtsnoeren van de raad van bestuur betreffende rasbenamingen” / Ver «directrices do Conselho de Administração sobre as Denominações Varietais» / Katso ”Hallintoneuvoston suuntaviivat: lajikenimet” / Se styrelsens riktlinjer för sortbenämningar.

1	2	3	1	2	3
2001/1915	a: 00029 b: 00029 c:	a: OSSORIO b: 931365-0 c: F	2001/1633	a: 00856 b: 00856 c: 00420	a: MARTINE b: martine c: F
2001/1922	a: 02895 b: 02895 c:	a: TESFORTUN b: a 153 c: F	2001/1650	a: 00856 b: 00856 c: 00420	a: VERONICA b: veronica c: F
2001/1923	a: 02895 b: 02895 c:	a: TESCUP b: b 391 c: F	2001/1701	a: 00856 b: 00856 c: 00420	a: ANTARES b: 97-179-10 c: F
2001/1924	a: 02895 b: 02895 c:	a: TESMILKA b: a 429*017 c: F	Begonia L. 1999/0317	a: 01602 b: 01602 c:	a: BEPARED b: dragon wings c: F
2001/1982	a: 00357 b: 00357 c:	a: ETNA b: etna (te 033-1) c: F	Betula pendula Roth 2001/1484	a: 02903 b: 02903 c: 01207	a: WHITE EDGE b: white edge c: F
Angelica L. 2001/1355	a: 03560 b: 03561 c: 00420	a: GENSEIRIN b: senpou c: F	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis 2001/1608	a: 00938 b: 00938 c: 02329	a: COR573020 b: cor 57-3020 c: F
Anthriscum L. 2001/1726	a: 00633 b: 01208 c: 00423	a: BALUMPINK b: balumpink c: C	Brassica napus L. 2001/0943	a: 03323 b: 03323 c: 02642	a: CAPVERT b: mlch 094 c: F
2001/1727	a: 00633 b: 01208 c: 00423	a: BALUMDEPUR b: balumdepur c: C	2001/0944	a: 03323 b: 03323 c: 02642	a: CARACAS b: mlch 091 c: F
2001/1728	a: 00633 b: 01208 c: 00423	a: BALUMYELL b: balumyell c: C	2001/1282	a: 03540 b: 00740/03541 c:	a: MO13392 b: mo133/92cms c: C
Anthurium-Andreanum-Hybriden 2001/1684	a: 01393 b: 01393 c:	a: VR172 b: vr172 c: C	2001/1889	a: 03660 b: 03660 c:	a: ONTARIO b: nsl 98/49 c: F
2001/1685	a: 01393 b: 01393 c:	a: VR151 b: vr151 c: C	2001/1890	a: 03660 b: 03660 c:	a: MONTEGO b: nsl 99/59 c: F
Ardisia SW. 2001/1737	a: 02916 b: 02916 c:	a: QUEEN STAR b: queen star c: F	Calibrachoa 2000/0001	a: 02886 b: 02470 c:	a: LAZZ- PERSEMA b: lazzperse c: F
Argyranthemum frutescens (L.) Schultz Bip. 2001/1719	a: 02374 b: 02374 c: 00441	a: SUMFRUT 01 b: sumfrut 01 c: C	2001/1788	a: 02374 b: 02374 c: 00441	a: SUMCALI 02 b: sumcali 02 c: C
Asclepias tuberosa L. 2001/0097	a: 02962/02963 b: 02962/02963 c: 01903	a: YELLOW WIJNA b: w 2 y c: F	2001/1789	a: 02374 b: 02374 c: 00441	a: SUMCALI 03 b: sumcali 03 c: C
Aster L. 1999/0428	a: 00725 b: 00725 c: 01063	a: BLUE MOON b: nvlgr.92617 c: F	2001/1791	a: 02374 b: 02374 c: 00441	a: SUMCALI 05 b: sumcali 05 c: C
Begonia-Elatior-Hybriden 2001/1632	a: 00856 b: 00856 c: 00420	a: SANDRINE b: sandrine c: F	Calluna vulgaris (L.) Hull 1999/0039	a: 00145 b: 00145 c:	a: DARK ALICIA b: dunkle alicia c: F

1	2	3
Campanula L.		
1999/1748	a: 02849 b: 02849 c: 00003	a: PORTO1 b: klon 08-08 c: C
2001/1749	a: 02133 b: 02133 c: 02334	a: SNOWBALL b: snowball c: F
Celosia L.		
2001/1913	a: 00198 b: 02630 c: 00423	a: BOMBAY FIORA b: 21-09 c: F
2001/1914	a: 00198 b: 02630 c: 00423	a: PINK PANTHER b: 20-106 c: F
Cichorium intybus L. partim		
2000/1909	a: 00237 b: 00237 c: 02838	a: NER261 b: bejo 2197 c: C
Cistus x corbariense Pourr.		
2001/1761	a: 03640 b: 03640 c:	a: GOLD PRIZE b: wyecis c: F
Clematis L.		
2001/0866	a: 03093/03092 b: 03093/03092 c: 02433	a: GISTAR b: giant star c: F
2001/0867	a: 03093/03092 b: 03093/03092 c: 02433	a: ROBUD b: rosebud c: F
2001/1505	a: 03305 b: 02219 c:	a: FASCINATION b: Z-V/03 c: F
2001/1624	a: 03616 b: 03616 c: 03423	a: WHITE ABUNDANCE b: white abundance c: F
Clematis x cartmanii		
2001/1614	a: 01849/02511 b: 01849/02511 c: 03423	a: SNOW VALLEY b: snow valley c: F
Coreopsis rosea		
2001/1663	a: 03620 b: 03620 c: 00423	a: LIMEROCK RUBY b: limerock ruby c: F
2001/1774	a: 00121 b: 03585 c: 00423	a: SWEET DREAMS b: sweet dreams c: F
Crambe abyssinica Hochst. ex R.E.Fr.		
2001/1615	a: 03075 b: 03075 c: 00420	a: NEBULA b: nebula c: F
2001/1616	a: 03075 b: 03075 c: 00420	a: GALACTICA b: galactica c: F

1	2	3
Ctenanthe oppenheimiana (E. Morr.) K. Schum		
2001/1760	a: 00119 b: 00119 c:	a: AMAGRIS b: amagris c: F
Cucumis sativus L.		
2001/1599	a: 00088 b: 00088 c:	a: MYSTICA b: 24-65rz c: F
Cydonia oblonga Mill.		
2001/1149	a: 00010 b: 00010 c: 02610	a: EMH b: qr 193-16 c: C
Dahlia Cav.		
1999/1162	a: 01692 b: 01692 c: 02798	a: BAYOU b: dahlia E-6 c: F
2001/2092	a: 02871 b: 02871 c:	a: KIEDAHBROV b: 98.1836 c: F
Delphinium L.		
2001/1642	a: 01675 b: 01675 c:	a: BARTWENTY- FOUR b: 94212-22 c: F
2001/1643	a: 01675 b: 01675 c:	a: BARTWENTY- FIVE b: 94209-12 c: F
Dianthus L.		
2001/1972	a: 00182 b: 00182 c:	a: WESLIBOR b: weslibor c: F
Dianthus caryophyllus L.		
2000/1826	a: 00149 b: 00149 c:	a: KOBROSPRA b: brown spray c: F
2000/1827	a: 00149 b: 00149 c:	a: KOPEMAN b: peachy mambo c: F
2001/1477	a: 00182 b: 00182 c:	a: WESDIWIT b: wesdiwit c: F
Ficus benjamina L.		
2000/1438	a: 00277 b: 00277 c: 01903	a: DANILIGHT b: bodani c: F
2000/1439	a: 00277 b: 00277 c: 01903	a: ALEXIS b: tudani c: F
Ficus binnendijkii Miq.		
2000/1437	a: 00277 b: 00277 c: 01903	a: XENA b: bunalii c: F
Ficus microcarpa L.		
2000/1264	a: 00154 b: 00154 c: 01903	a: FIBROSA b: amstel0001 c: F

1	2	3	1	2	3
Fragaria x ananassa Duch.			2001/1489	a: 02133	a: DAYGLOW PINK
1999/0063	a: 00010 b: 00010 c: 00011	a: ROSIE b: em 575 c: F		b: 02133 c: 02334	b: dayglow pink c: F
2001/0152	a: 03292/03293 b: 03317 c: 00011	a: AVA b: asf 22:07 c: F	Hippeastrum Herb.		
2001/1917	a: 00331 b: 00331 c:	a: EVIE 1 b: 98 n 57 c: F	2001/1691	a: 03631 b: 03631 c:	a: SWAN LAKE b: n=349 c: F
2001/1918	a: 00331 b: 00331 c:	a: EVIE 2 b: 98 n 105 c: F	Hordeum vulgare L. sensu lato		
2001/1989	a: 00132 b: 00132 c: 00466	a: PLAMARFRE b: 92.54.053 c: F	2001/1686	a: 03628 b: 03628/00570 c:	a: MADISON b: un 5183-1 c: F
Freesia Eckl. ex. Klatt			2001/1762	a: 03641 b: 03641 c: 00427	a: COUNTY b: nfc 497-8 c: F
2001/1916	a: 03056/03306 b: 03056/03306 c: 00225	a: RICAGRANDE b: 9611e c: F	2001/1885	a: 03660 b: 03660 c:	a: ARCHIPEL b: nsl 97-7331 c: F
Gladiolus L.			2001/1887	a: 03660 b: 03660 c:	a: RANGOON b: nsl 97-2284 c: F
2000/0104	a: 01821 b: 01821 c: 00419	a: MEDITER- RANEE b: 91.035.03 c: F	2001/1888	a: 03660 b: 03660 c:	a: THETFORD b: nsl 98-4087 c: F
Gypsophila L.			Hyacinthus orientalis L.		
2001/1651	a: 03618 b: 03618 c: 03064	a: SUMMER SNOW b: 03701 c: F	2000/0771	a: 03038 b: 03038 c: 00033	a: ANNABELLE b: n.a.j.-1 c: F
2001/1652	a: 03618 b: 03618 c: 03064	a: BLANCA- NIEVES b: 03901 c: F	Hydrangea L.		
Hebe Comm ex. Juss.			1999/0859	a: 02910 b: 01543 c: 00420	a: STURDY HULK b: 94-155-3 c: F
2001/1506	a: 01793 b: 01793 c:	a: HEART- BREAKER b: n-03 c: F	2000/0025	a: 00129 b: 02890 c: 00441	a: HORTEST 02 b: steinle 51-92/5 c: C
Heuchera L.			2001/1649	a: 03617 b: 03617 c:	a: PIROUETTE b: jl/v-01 c: F
2001/1491	a: 02133 b: 02133 c: 02334	a: STRAWBERRY CANDY b: strawberry candy c: F	2001/1839	a: 00128 b: 00128 c: 00441	a: RABEARTH b: rabearth c: F
2001/1492	a: 02133 b: 02133 c: 02334	a: VEIL OF PASSION b: veil of passion c: F	2001/1840	a: 00128 b: 00128 c: 00441	a: RAMARS b: ramars c: F
2001/1748	a: 02133 b: 02133 c: 02334	a: VESUVIUS b: vesuvius c: F	Hydrangea macrophylla (Thunb. ex Murr.)		
Heucherella Wehrh.			2001/0907	a: 03482 b: 03482 c:	a: DA VINCI b: 1201 c: F
2001/1487	a: 02133 b: 02133 c: 02334	a: BURNISHED BRONZE b: burnished bronze c: F	2001/1746	a: 03199 b: 03199 c:	a: SORAYA b: soraya 958-8 c: F
2001/1488	a: 02133 b: 02133 c: 02334	a: KIMONO b: kimono c: F	Impatiens L.		
			2001/1543	a: 03598 b: 03598 c: 02826	a: HGI1033 b: hgi-1033-3 c: C

1	2	3	1	2	3
2001/1544	a: 03598 b: 03598 c: 02826	a: HGI1068 b: hgi-1068-3 c: C	Kalanchoë Adans. 2000/1109	a: 02851 b: 02851 c:	a: LEONARDO b: fk 9163 c: F
2001/1545	a: 03598 b: 03598 c: 02826	a: HGI1065 b: hgi-1065-5 c: C	2000/1275	a: 02851 b: 02851 c:	a: ORIBA b: fk3810 c: F
2001/1546	a: 03598 b: 03598 c: 02826	a: HGI1049 b: hgi-1049-2 c: C	Kalanchoë blossfeldiana v. Poelln 2000/0358	a: 02851 b: 02851 c:	a: GELAI b: fk 4025 c: F
2001/1547	a: 03598 b: 03598 c: 02826	a: HGI1036 b: hgi-1036-1 c: C	2000/0669	a: 02851 b: 02851 c:	a: HAPPY BELLS b: fk 991101 c: F
2001/1687	a: 02979 b: 02979 c: 02961	a: CAMEO SALMON b: idvaba c: F	Lactuca sativa L. 2001/0444	a: 00031 b: 00031 c:	a: FLAMMES b: dip 4685 c: F
2001/1688	a: 02979 b: 02979 c: 02961	a: CAMEO LAVENDER b: idvabb c: F	2001/1673	a: 00088 b: 00088 c:	a: VIRTUOSE b: 79-16rz c: F
2001/1689	a: 02979 b: 02979 c: 02961	a: CAMEO SALMON CHIFFON b: idvabc c: F	2001/1674	a: 00088 b: 00088 c:	a: OPTIGON b: 79-30rz c: F
2001/1984	a: 02979 b: 02979 c: 02961	a: CAMEO PINK b: idvae c: F	2001/1675	a: 00088 b: 00088 c:	a: BELMONDO b: 43-08rz c: F
2001/1985	a: 02979 b: 02979 c: 02961	a: CAMEO WHITE b: idvaaa c: F	Leptospermum J.R. et G. Forst. 2000/0117	a: 01776 b: 01776 c: 00420	a: BY 11 b: by11 c: C
Impatiens-New-Guinea-Hybrids 2001/1676	a: 00012 b: 03623 c:	a: FISIMP 110 b: fisimp110 c: F	Lilium L. 2000/0763	a: 02620 b: 02620 c: 01373	a: ATLETICO b: yo 58 20 c: F
2001/1677	a: 00012 b: 03623 c:	a: FISUPNICS LAV b: fisupnics lav c: F	2000/1565	a: 02791 b: 02791 c:	a: LINOSA b: g 97-3 c: F
2001/1678	a: 00012 b: 03623 c:	a: FISIMP 144 b: fisimp 144 c: F	2000/1566	a: 02791 b: 02791 c:	a: CASERTA b: lfl 98-1 c: F
Impatiens walleriana Hook. 2001/1954	a: 01071 b: 01071 c:	a: FIFY PINK b: imw-11-12 c: F	2000/1567	a: 02791 b: 02791 c:	a: SAN LUGANO b: or 91-8 c: F
2001/1956	a: 01071 b: 01071 c:	a: DIDI APPLE- BLOSSOM b: idx-3-6 c: F	2000/1568	a: 02791 b: 02791 c:	a: CHARDIN b: or 96-21 c: F
Juncus effusus L. 2001/0719	a: 02323 b: 02323 c: 00003	a: YELLOW LINE b: yellow stripe c: F	2000/1569	a: 02791 b: 02791 c:	a: MARONIA b: or 98-1 c: F
			2000/1570	a: 02791 b: 02791 c:	a: BOTTICELLI b: or 98-16 c: F
			2000/1571	a: 02791 b: 02791 c:	a: BESENO b: qg 98-15 c: F

1	2	3	1	2	3
2000/1572	a: 02791 b: 02791 c:	a: TARRAGONA b: qg 98-16 c: F	2000/1597	a: 02791 b: 02791 c:	a: BRAMANTE b: 97-4 c: F
2000/1574	a: 02791 b: 02791 c:	a: SCOTLAND b: rs 95-21 c: F	2000/1598	a: 02791 b: 02791 c:	a: COTE DIVOIR b: qg 98-4 c: F
2000/1575	a: 02791 b: 02791 c:	a: ALESSIA b: 97-2 c: F	2000/1599	a: 02791 b: 02791 c:	a: REALE b: w 96-12 c: F
2000/1576	a: 02791 b: 02791 c:	a: EILATH b: cf 98-1 c: F	2001/0612	a: 02791 b: 02791 c:	a: COSENZA b: cw98-2 c: F
2000/1577	a: 02791 b: 02791 c:	a: MAGRITTE b: cg 97-15 c: F	2001/1899	a: 03664 b: 03664 c: 00420	a: CERES b: ceres c: F
2000/1578	a: 02791 b: 02791 c:	a: OSTIA b: cg 98-11 c: F	2001/1901	a: 03664 b: 03664 c: 00420	a: VULCANUS b: vulcanus c: F
2000/1579	a: 02791 b: 02791 c:	a: ROVIGNO b: cg 98-21 c: F	2001/1902	a: 03664 b: 03664 c: 00420	a: DOLPHIN b: dolphin c: F
2000/1580	a: 02791 b: 02791 c:	a: ROUSSEAU b: cj 98-2 c: F	Limonium sinuatum (L.) Mill.		
2000/1581	a: 02791 b: 02791 c:	a: SONATINA b: cj 98-5 c: F	2001/1804	a: 03571 b: 03571 c: 00420	a: CRYSTAL BLANCO b: crystal white improved c: F
2000/1582	a: 02791 b: 02791 c:	a: MUNDIAL b: cm 98-3 c: F	Limonium L.		
2000/1583	a: 02791 b: 02791 c:	a: TIMARU b: cw 98-7 c: F	2001/1607	a: 03493 b: 03493 c: 00225	a: FULIMYEL b: y2000 c: F
2000/1584	a: 02791 b: 02791 c:	a: DONATELLO b: cw 98-13 c: F	Limonium gmelinii (Willd.) Kuntze		
2000/1585	a: 02791 b: 02791 c:	a: RESIDENCE b: w 96-19 c: F	2001/1473	a: 03588 b: 03588 c:	a: LEONARD b: leonard c: F
2000/1586	a: 02791 b: 02791 c:	a: IMATRA b: w 97-16 c: F	Lolium multiflorum Lam.		
2000/1593	a: 02791 b: 02791 c:	a: PAVIA b: cg 98-15 c: F	1999/0426	a: 02985 b: 02553 c:	a: LILIO b: lilio c: F
2000/1594	a: 02791 b: 02791 c:	a: COMORO b: qg 98-17 c: F	Lonicera L.		
2000/1595	a: 02791 b: 02791 c:	a: RIBERA b: 96-49 c: F	2001/1311	a: 03548 b: 03548 c:	a: COPPER BEAUTY b: esv-1 c: F
2000/1596	a: 02791 b: 02791 c:	a: BRAGA b: 97-8 c: F	Malus Mill.		
			1998/1512	a: 01869 b: 02402/02404 c:	a: GOLD PINK b: dca 81.425.014 c: F
			1999/0313	a: 00915 b: 00916 c: 00328	a: SCIGOLD b: a20r2t32 c: F
			1999/0868	a: 02639 b: 01759 c:	a: ENOVA b: nova c: F
			2001/1711	a: 03634 b: 03634 c: 00420	a: COLLINA b: collina c: F

1	2	3	1	2	3
Olea europaea L. 2000/0281	a: 02934 b: 02934 c: 01735	a: STATELLA b: r.v.2000 c: F	2000/0985	a: 02851 b: 00472 c:	a: ARIZONA STAR b: lz 51 c: F
Ornithogalum L. 2001/1619	a: 03615 b: 03615 c: 01903	a: CHESAPEAKE SNOWFLAKE b: chesapeake snowflake c: F	2000/0986	a: 02851 b: 00472 c:	a: MERIMINI PINK b: ckz 105 c: F
2001/1620	a: 03615 b: 03615 c: 01903	a: CHESAPEAKE STARLIGHT b: chesapeake starlight c: F	2000/0987	a: 02851 b: 00472 c:	a: MISSISSIPPI STAR b: mz 1 c: F
2001/1622	a: 03615 b: 03615 c: 01903	a: CHESAPEAKE BLAZE b: chesapeake blaze c: F	2000/0989	a: 02851 b: 00472 c:	a: CALIFORNIA STAR b: lz 14 c: F
2001/1623	a: 03615 b: 03615 c: 01903	a: CHESAPEAKE SUNSET b: chesapeake sunset c: F	2000/0992	a: 02851 b: 00472 c:	a: MICHIGAN STAR b: lz 75 c: F
Osteospermum ecklonis (DC.) Norl. 2001/1758	a: 02374 b: 02374 c: 00441	a: SUMOST 01 b: sumost 01 c: C	2000/0994	a: 02851 b: 00472 c:	a: FLORIDA STAR b: kz 138 a c: F
2001/1759	a: 02374 b: 02374 c: 00441	a: SUMOST 02 b: sumost 02 c: C	2000/1013	a: 00071 b: 00071 c:	a: DUEANDRIA b: red fox 182001 c: F
Passiflora L. 2001/1175	a: 03529 b: 03529 c: 01373	a: MAXIM b: purple rain c: F	2001/1561	a: 00735 b: 01842 c: 00441	a: PATRIOT WATER- MELON b: patriot watermelon c: F
Pelargonium grandiflorum Willd. 2001/1110	a: 02979 b: 02979 c: 02961	a: REGALIA PURPLE PICOTEE b: rpvaal c: F	2001/1562	a: 00735 b: 01842 c: 00441	a: NATALIE b: natalie c: F
Pelargonium peltatum (L.) L'Herit. ex. Ait. 2000/0988	a: 02851 b: 00472 c:	a: BALCONY PINK b: lp 21 b c: F	Petunia Juss. 1999/1789	a: 02484 b: 02860 c:	a: POLAR WHITE b: riog 107-96 c: F
2000/0993	a: 02851 b: 00472 c:	a: BALCONY RED b: lp 21 c: F	2001/0110	a: 02851 b: 02851 c:	a: FORT MILI b: 064 c: F
Pelargonium zonale (L.) L'Herit. ex Ait. 2000/0983	a: 02851 b: 00472 c:	a: NEVADA STAR b: lz 53 b c: F	2001/1579	a: 03546 b: 03546 c:	a: 20CBE155A b: 20cbe155a c: C
2000/0984	a: 02851 b: 00472 c:	a: MERIMINI RED b: ckz 2 c: F	2001/1580	a: 03546 b: 03546 c:	a: 20CBE09 b: 20cbe9 c: C
			2001/1581	a: 03546 b: 03546 c:	a: 20CBE13 b: 20cbe13 c: C
			2001/1582	a: 03546 b: 03546 c:	a: 20CBE201A b: 20cbe201a c: C
			2001/1583	a: 03546 b: 03546 c:	a: 20CBE272A b: 20cbe272a c: C

1	2	3	1	2	3
2001/1584	a: 03546 b: 03546 c:	a: 20CBE109B b: 20cbe109b c: C	2001/1977	a: 02374 b: 02374 c: 00441	a: SUMPET 03 b: sumpet 03 c: C
2001/1585	a: 03546 b: 03546 c:	a: 20CBE61C b: 20cbe61c c: C	2001/1978	a: 02374 b: 02374 c: 00441	a: SUMPET 04 b: sumpet 04 c: C
2001/1586	a: 03546 b: 03546 c:	a: 20CBE270B b: 20cbe270b c: C	2001/1979	a: 02374 b: 02374 c: 00441	a: SUMPET 05 b: sumpet 05 c: C
2001/1587	a: 03546 b: 03546 c:	a: 20CBE71 b: 20cbe71 c: C	Petroselinum crispum (Mill.) Nym. ex-A.W. Hill		
2001/1588	a: 03546 b: 03546 c:	a: 20CBE286B b: 20cbe286b c: C	2000/1912	a: 00237 b: 00237 c: 02838	a: AROMA b: bejo 1996 c: F
2001/1589	a: 03546 b: 03546 c:	a: 20CBE278B b: 20cbe278b c: C	Phaseolus vulgaris L.		
2001/1590	a: 03546 b: 03546 c:	a: 20CBE133 b: 99cbe133 c: C	2001/1560	a: 02701 b: 02701 c:	a: VERA b: nun 0206 c: F
2001/1591	a: 03546 b: 03546 c:	a: 20CBE65 b: 20cbe65 c: C	Phalaenopsis Bl.		
2001/1592	a: 03546 b: 03546 c:	a: 01LH167A b: 01lh167a c: C	2001/1324	a: 03552 b: 03552 c: 01347	a: PIKO RED b: piko101 c: F
2001/1593	a: 03546 b: 03546 c:	a: 99CBE510 b: 99cbe510 c: C	2001/1644	a: 01347 b: 01347 c:	a: PHALANUZA b: phalanuza c: F
2001/1594	a: 03546 b: 03546 c:	a: 99CBE133E b: 99cbe133e c: C	2001/1645	a: 01347 b: 01347 c:	a: PHALALODU b: phalalodu c: F
2001/1595	a: 03546 b: 03546 c:	a: 99CBE27B b: 99cbe27b c: C	2001/1646	a: 01347 b: 01347 c:	a: PHALAMAT b: phalamat c: C
2001/1596	a: 03546 b: 03546 c:	a: 01LH170A b: 01lh170a c: C	2001/1664	a: 02001 b: 02001 c: 00423	a: SIO0012 b: nr.1715 c: C
2001/1733	a: 01364 b: 01364 c: 03646	a: ZENPIN b: 6311 c: F	2001/1665	a: 02001 b: 02001 c: 00423	a: SIO0009 b: nr.1707 c: C
2001/1734	a: 01364 b: 01364 c: 03646	a: ZENWHI b: T257 c: F	2001/1666	a: 02001 b: 02001 c: 00423	a: SIO0019 b: nr.1900 c: C
2001/1925	a: 03666 b: 03667 c: 00082	a: KEIPABUKAS b: p 99 b 7 c: F	Phygelius E. Mey. ex Benth.		
2001/1975	a: 02374 b: 02374 c: 00441	a: SUMPET 01 b: sumpet 01 c: C	2001/1736	a: 01849/02511 b: 01849/02511 c:	a: BLAPHY b: bla 98/2 c: C
2001/1976	a: 02374 b: 02374 c: 00441	a: SUMPET 02 b: sumpet 02 c: C	Pieris japonica		
			2001/1310	a: 03548/03549 b: 03550 c:	a: KATSURA b: e-r/01 c: F
			Plectranthus L'Hérit.		
			2001/1339	a: 03555 b: 03555 c: 00003	a: GURUS CHOICE b: p97 05 10 c: F
			Prunus L.		
			2001/1554	a: 03601 b: 03601 c: 00441	a: GISELA 5A b: H-G.5A c: C

1	2	3	1	2	3
Prunus armeniaca L.					
2001/1671	a: 00346 b: 03621/03622 c: 00441	a: KURESIA b: kuresia c: F	2001/1739	a: 00689 b: 00689 c: 00827	a: MESEMBRINE b: s 6606 c: F
2001/1744	a: 00689 b: 00689 c: 00827	a: FLORILEGE b: a 2917 c: F	2001/1740	a: 00689 b: 00689 c: 00827	a: ORDIGAN b: s 6184 c: F
Prunus avium (L.) L.					
2001/0823	a: 00010 b: 02364 c:	a: PENNY b: c73-5 c: F	2001/1741	a: 00689 b: 00689 c: 00827	a: ORIANE b: s 6422 c: F
2001/1540	a: 01869/01947 b: 01947 c: 01869	a: BLACK STAR b: DCA BO 85.723.002 c: F	2001/1742	a: 00689 b: 00689 c: 00827	a: ORIOLA b: s 6817 c: F
2001/1541	a: 01869/01947 b: 01947 c: 01869	a: PANARO 1 b: DCA BO 84.704.006 c: F	2001/1743	a: 00689 b: 00689 c: 00827	a: ORNELLA b: s 5848 c: F
2001/1542	a: 01869/01947 b: 01947 c: 01869	a: GRACE STAR b: DCA BO 84.703.003 c: F	2001/1903	a: 00189 b: 01065 c:	a: ZAITOLIO b: 50296 nb c: F
2001/1905	a: 00189 b: 01067 c:	a: SUMCORO b: 18115 cs c: F	2001/1904	a: 00189 b: 01065 c:	a: ZAITITO b: 53497 pb c: F
2001/1907	a: 00189 b: 01067 c:	a: SUMBIGO b: 1440 cs c: F	2001/1937	a: 00189 b: 01065 c:	a: ZAIPRERI b: 400 94 p c: F
Prunus persica (L.) Batsch					
2001/1657	a: 00132 b: 00132 c: 00466	a: PLATANOMEL b: 95.04.002-p c: F	2001/1938	a: 00189 b: 01065 c:	a: ZAITRETA b: 412 94 p c: F
2001/1658	a: 00132 b: 00132 c: 00466	a: PLACA-STAMEL b: 95.15.001-p c: F	2001/1939	a: 00189 b: 01065 c:	a: ZAIRIMA b: 467 95 n c: F
2001/1659	a: 00132 b: 00132 c: 00466	a: PLAZANOMEL b: 97.08.309-p c: F	2001/1940	a: 00189 b: 01065 c:	a: ZAISIRLY b: 541 97 nb c: F
2001/1660	a: 00132 b: 00132 c: 00466	a: PLAPROMEL b: 95.14.003-P c: F	Prunus salicina Lindl.		
2001/1661	a: 00132 b: 00132 c: 00466	a: PLAPIOMEL b: 95.03.003-p c: F	2001/0991	a: 03494 b: 03494 c: 03566	a: MGM96 b: new queen c: C
2001/1662	a: 00132 b: 00132 c: 00466	a: PLADIDOMEL b: 95.04.004-p c: F	Pulmonária L.		
2001/1667	a: 00132 b: 00132 c: 00466	a: PLABLANEC b: 97.14.065-nb c: F	2001/1747	a: 02133 b: 02133 c: 02334	a: NOTHERN LIGHTS b: nothern lights c: F
2001/1668	a: 00132 b: 00132 c: 00466	a: PLADULNEC b: 95.05.042-n c: F	Rosa L.		
2001/1669	a: 00132 b: 00132 c: 00466	a: PLATORNEC b: 97.14.012-n c: F	2001/1520	a: 02365 b: 02365 c:	a: OLIJEUR b: oligneur c: C
			2001/1521	a: 02365 b: 02365 c:	a: OLIJEXPLO b: olijexplo c: C
			2001/1539	a: 00124 b: 02276 c:	a: TAN99065 b: tan99065 c: C
			2001/1611	a: 00124 b: 00124 c:	a: TAN97103 b: tan97103 c: C

1	2	3	1	2	3
2001/1612	a: 00124 b: 00124 c:	a: TAN96590 b: tan96590 c: C	2001/2082	a: 00021 b: 00021 c:	a: SCHOZES b: schozes c: F
2001/1681	a: 00892 b: 00891 c: 00562	a: MEISTADI b: meistadi c: F	2001/2083	a: 00021 b: 00021 c:	a: SCHOFFO b: schoffo c: F
2001/1692	a: 00092 b: 00092 c: 00475	a: AUSENCART b: d/20b/97 c: F	2001/2084	a: 00021 b: 00021 c:	a: SCHRECLA b: schrecla c: F
2001/1767	a: 00081 b: 00081 c:	a: POULHI008 b: poulhi008 c: C	2001/2085	a: 00021 b: 00021 c:	a: SCHISAB b: schisab c: F
2001/1768	a: 00081 b: 00081 c:	a: POULHI009 b: poulhi009 c: C	Rubus idaeus L. 1999/1137	a: 02710 b: 02711/02712 c: 00446	a: WEIRULA b: wei-rula c: F
2001/1803	a: 01366 b: 01366/01367/ 01368 c: 00421	a: KORFLANKA b: korflanka c: F	Saintpaulia H. Wendl. 1996/1147	a: 01488 b: 01488 c:	a: HISAKO b: 1041/6/242 c: F
2001/1983	a: 00368 b: 00368 c: 01790	a: DELBIROS b: delbiros c: F	1999/1861	a: 00710 b: 00710 c:	a: TANGO b: e 291 c: F
2001/2052	a: 02304 b: 02304 c: 02955	a: INTERSWEICE b: intersweice c: F	1999/1862	a: 00710 b: 00710 c:	a: CITY LINE TORONTO b: e 73 c: F
2001/2053	a: 02304 b: 02304 c: 02955	a: INTERILETE b: interilete c: F	1999/1863	a: 00710 b: 00710 c:	a: CITY LINE NAGANO b: e 140 c: F
2001/2054	a: 02304 b: 02304 c: 02955	a: INTERYASSOR b: interyassor c: F	Salix L. 2001/1482	a: 03589 b: 03589 c: 01207	a: FLAMINGO b: flamingo c: F
2001/2055	a: 02304 b: 02304 c: 02955	a: INTER- YELHELA b: interyelhela c: F	Sanvitalia Lam. 2001/1792	a: 02374 b: 02374 c: 00441	a: SUMSAN 01 b: sumsan 01 c: C
2001/2075	a: 02365 b: 02365 c:	a: OLIJCUPI b: oljcupi c: C	Scabiosa atropurpurea L. 2001/1522	a: 02269 b: 03267 c:	a: CHILLI SAUCE b: chilli sauce c: F
2001/2076	a: 02365 b: 02365 c:	a: OLIJUNIV b: oljjuniv c: C	2001/1523	a: 02269 b: 03267 c:	a: CHILLI PEPPER b: chilli pepper c: F
2001/2077	a: 02365 b: 02365 c:	a: OLIJBLIZ b: oljbliz c: C	Scaevola saligna G. Forst. 2001/1708	a: 03325 b: 03325 c:	a: SCAWIHATIS b: C65-1 c: F
2001/2078	a: 01366 b: 01366/01367/ 01368 c: 00421	a: KORBA- DARED b: korbadared c: F	Schefflera J.R. et G. Forst 2001/1572	a: 03610 b: 03609 c:	a: HEART b: heart c: F
2001/2079	a: 01366 b: 01366/01367/ 01368 c: 00421	a: KORCALFER b: korcalfes c: F			
2001/2081	a: 00021 b: 00021 c:	a: SCHANNO b: schanno c: F			

1	2	3
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Schlumbergera Hybriden

2001/1679 a: 02606 a: THORTEA
b: 02606 b: 9373
c: 00003 c: F

2001/1680 a: 02606 a: THORMIA
b: 02606 b: 9175
c: 00003 c: F

Solanum tuberosum L.

1999/0636 a: 00243 a: AMBRA
b: 00243 b: rz-90-316
c: c: F

2001/0441 a: 00317 a: DOLINE
b: 00317 b: 92.163.1
c: c: F

2001/1609 a: 00054 a: LADY
b: 00054 b: lady balfour
c: 03136 c: F

2001/1617 a: 00676 a: BAILLA
b: 00676 b: bailla
c: c: F

2001/1638 a: 01031 a: ALOWA
b: 01031 b: g90tt022.2
c: c: F

2001/1639 a: 01031 a: COROLLE
b: 01031 b: g90tt311.10
c: c: F

2001/1640 a: 01031 a: MAESTRO
b: 01031 b: g90tt303.16
c: c: F

2001/1787 a: 03198 a: ALBATA
b: 03198 b: shg128a
c: c: F

Sorbaria sorbifolia (L) A. Braun

2001/1707 a: 03633 a: SEM
b: 03633 b: sem
c: 02433 c: F

Spathiphyllum Schott.

2001/1755 a: 03525 a: SPATARDO
b: 03525 b: kpsp 200101
c: 01889 c: F

Streptocarpus Lindl.

2001/2017 a: 02459 a: CRYSTAL
b: 02459 b: BLUSH
c: c: 000502
c: F

Tiarella L.

2001/1750 a: 02133 a: NEON LIGHTS
b: 02133 b: neon lights
c: 02334 c: F

2001/1751 a: 02133 a: STARFISH
b: 02133 b: starfish
c: 02334 c: F

2001/1752 a: 02133 a: JEEPERS
b: 02133 b: CREEPERS
c: 02334 c: jeepers creepers
c: F

1	2	3
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Torenia L.

2001/1793 a: 02374 a: SUMTOR 01
b: 02374 b: sumtor 01
c: 00441 c: C

Triticum durum Desf.

2001/1549 a: 03556 a: ILLORA
b: 03556 b: illora
c: c: F

Triticum aestivum L. emend. Fiori et Paol.

2001/0383 a: 02988 a: MAESTRO
b: 02988 b: cww97/5
c: 02629 c: F

2001/1648 a: 00009 a: RASPAIL
b: 00009 b: raspail
(fd98072)
c: c: F

2001/1882 a: 03660 a: HELENE
b: 03660 b: nsl ww37
c: c: F

2001/1884 a: 03660 a: CHRISTELLE
b: 03660 b: nsl ww41
c: c: F

X Triticosecale W.

2001/1647 a: 00009 a: TRIADE
b: 00009 b: triade
(fd95011-8-2)
c: c: F

Tulipa L.

2000/1212 a: 01821 a: DENMARK
b: 01821 b: 3/284
c: 00419 c: F

2001/2072 a: 01271 a: PURPLE SKIN
b: 01271 b: 58 80 16
c: 00033 c: F

2001/2073 a: 01271 a: PURPLE
b: 01271 b: ARROW
c: 00033 b: 33 79 54
c: F

2001/2074 a: 01271 a: MISS
b: 01271 b: ELEGANCE
c: 00033 b: 219 84 7
c: F

Valerianella locusta L. & V. eriocarpa Desv.

2001/1710 a: 00137 a: FIESTA
b: 00137 b: clx3433
c: c: F

Verbena L.

2001/1625 a: 03546 a: 2001BC01
b: 03546 b: 2001bc01
c: c: C

2001/1627 a: 03546 a: 2001BLC01
b: 03546 b: 2001blc01
c: c: C

2001/1628 a: 03546 a: 2001VLT01
b: 03546 b: 2001vlt01
c: c: C

2001/1629 a: 03546 a: 2001EVBO1
b: 03546 b:
c: c: C

1	2	3	1	2	3
2001/1630	a: 03546 b: 03546 c:	a: 2001RS01 b: 2001rs01 c: C	2001/1860	a: 02341/02342 b: 02341/02342 c: 00741	a: VENUS b: vr0105 c: F
2001/1631	a: 03546 b: 03546 c:	a: 2001RG01 b: 2001rg01 c: C	2001/1864	a: 02341/02342 b: 02341/02342 c: 00741	a: LIBRA b: vr 0103 c: F
2001/1729	a: 00633 b: 01208 c: 00423	a: BALAZDAPI b: balazdapi c: C	Zantedeschia Spreng. 2001/1879	a: 02546 b: 02546 c:	a: CAPTAIN VOLANTE b: captain volante c: F
2001/1730	a: 00633 b: 01208 c: 00423	a: BALAZLAVI b: balazlavi c: C	Zea mays L. 1999/0384	a: 00087 b: 00087 c: 01006	a: LIMIOW538 b: limiow 538 c: C
2001/1731	a: 00633 b: 01208 c: 00423	a: BALAZRED b: balazred c: C	1999/0387	a: 00087 b: 00087 c: 01006	a: LIMIFY7 b: limify 7 c: C
2001/1732	a: 00633 b: 01208 c: 00423	a: BALAZPLUM b: balazplum c: C	1999/0388	a: 00087 b: 00087 c: 01006	a: LIMIFY5 b: limify 5 c: C
2001/1960	a: 02374 b: 02374 c: 00441	a: SUMVERB 01 b: sumverb 01 c: C	1999/0404	a: 00087 b: 00087 c: 01006	a: LIMNVD17 b: limnvd 17 c: C
2001/1961	a: 02374 b: 02374 c: 00441	a: SUMVERB 02 b: sumverb 02 c: C	1999/0406	a: 00087 b: 00087 c: 01006	a: LIMNFM26 b: limnfm 26 c: C
2001/1962	a: 02374 b: 02374 c: 00441	a: SUMVERB 03 b: sumverb 03 c: C	1999/0408	a: 00087 b: 00087 c: 01006	a: LIMNFF68 b: limnff 68 c: C
2001/1963	a: 02374 b: 02374 c: 00441	a: SUMVERB 04 b: sumverb 04 c: C	1999/0652	a: 03304 b: 01077 c: 01076	a: SK180 b: sk180 c: C
2001/1964	a: 02374 b: 02374 c: 00441	a: SUMVERB 05 b: sumverb 05 c: C	2001/0505	a: 01030 b: 01030 c: 03480	a: OM 93138 b: om93138 c: C
2001/1965	a: 02374 b: 02374 c: 00441	a: SUMVERB 06 b: sumverb 06 c: C	2001/1225	a: 02775 b: 00486/02074 c: 00486	a: KW5A101 b: KW 5A101 c: C
2001/1966	a: 02374 b: 02374 c: 00441	a: SUMVERB 07 b: sumverb 07 c: C	2001/1226	a: 02775 b: 00486/00487/ 01538 c: 00486	a: KW1115 b: KW 1115 c: C
2001/1967	a: 02374 b: 02374 c: 00441	a: SUMVERB 08 b: sumverb 08 c: C	2001/1227	a: 02775 b: 00486/00487/ 01538 c: 00486	a: KW5167 b: KW 5167 c: C
2001/1968	a: 02374 b: 02374 c: 00441	a: SUMVERB 10 b: sumverb 10 c: C	2001/1228	a: 02775 b: 00486/00487/ 01538 c: 00486	a: KW1G162 b: KW 1G162 c: C
2001/1969	a: 02374 b: 02374 c: 00441	a: SUMVERB 11 b: sumverb 11 c: C	2001/1229	a: 02775 b: 00486/00489/ 02076 c: 00486	a: KW4251 b: KW 4251 c: C
Verbascum L. 2001/1483	a: 00657 b: 00657 c: 01207	a: CHERRY HELEN b: cherry helen c: F			
Vriesea Lindl. 2001/1858	a: 02341/02342 b: 02341/02342 c: 00741	a: SATURN b: vr 0102 c: F			

1	2	3	1	2	3
2001/1230	a: 02775 b: 00486/00489/ 02076 c: 00486	a: KW6522 b: KW 6522 c: C	2001/1240	a: 02775 b: 00486/03083 c: 00486	a: KW4773 b: KW 4773 c: C
2001/1231	a: 02775 b: 00486/00489/ 02076 c: 00486	a: KW6530 b: KW 6530 c: C	2001/1241	a: 02775 b: 00486/03085 c: 00486	a: KW7776 b: KW 7776 c: C
2001/1232	a: 02775 b: 00486/00489/ 02076 c: 00486	a: KW7164 b: KW 7164 c: C	2001/1242	a: 02775 b: 00486/00489 c: 00486	a: KW5553 b: KW 5553 c: C
2001/1233	a: 02775 b: 00486/00489 c: 00486	a: KW5F215 b: KW 5F215 c: C	2001/1243	a: 02775 b: 00486/03083 c: 00486	a: KW4783 b: KW 4783 c: C
2001/1234	a: 02775 b: 00486/00489/ 02076 c: 00486	a: KW5637 b: kw5637 c: C	2001/1271	a: 00260 b: 00260 c: 02037	a: 13D514 b: 13D514 c: C
2001/1235	a: 02775 b: 00486/00490/ 01638 c: 00486	a: KW4M021 b: KW 4M021 c: C	2001/1556	a: 00180 b: 00180 c: 02494	a: BERIS b: X1069B c: F
2001/1236	a: 02775 b: 00486/00490/ 01638 c: 00486	a: KW4M022 b: KW 4M022 c: C	2001/1557	a: 00180 b: 00180 c: 00804	a: PH4GP b: ph4gp c: C
2001/1237	a: 02775 b: 00486/00490/ 01638 c: 00486	a: KW4M025 b: KW 4M025 c: C	2001/1558	a: 00180 b: 00180 c: 00804	a: PH72A b: ph72a c: C
2001/1238	a: 02775 b: 00486/00490/ 01638 c: 00486	a: KW4M028 b: KW 4M028 c: C	2001/1654	a: 03602 b: 03602 c: 02116	a: NP2073 b: jhax410 c: C
2001/1239	a: 02775 b: 00486/00490/ 01638 c: 00486	a: KW4M029 b: KW 4M029 c: C	2001/1655	a: 03602 b: 03602 c: 02116	a: NP2276 b: max0744 c: C
			2001/1656	a: 03602 b: 03602 c: 02116	a: NP2171 b: ssid461 c: C

Capítulo III: Solicitudes retiradas / Kapitel III: Tilbagekaldelse af ansøgninger / Kapitel III: Zurückziehung von Anträgen / Κεφάλαιο III: Απόσυρση αιτήσεων / Chapter III: Withdrawal of applications / Chapitre III: Retrait de demandes / Capitolo III: Ritiro delle domande / Hoofdstuk III: Intrekking van aanvragen / Capítulo III: Retirada de pedidos / Luku III: Hakemusten peruuttaminen / Kapitel III: Återtagande av ansökningar

1	2	3	4
Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisteri-numero / Ansökningsnummer	a: Solicitante / Ansøger / Antragsteller / Αιτών / Applicant/Demandeur/Richiedente/Aanvrager / Requerente / Hakija / Sökande b: Obtentor / Forædler / Züchter / Δημοουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare c: Representante en el procedimiento (si lo hay) / (Eventuel) repræsentant / Verfahrensvertreter / Αντιζήτης / Procedural representative (if any) / Mandataire (s'il y a lieu) / Mandatario (eventuale) / Vertegenwoordiger voor de procedure (indien van toepassing) / Representante para fins processuais (caso exista) / Menettelyyn valtuutettu edustaja (mikäli on) / (Eventuellt) ombud	a: Denominación propuesta / Foreslået betegnelse / Vorgeschlagene Sortenbezeichnung / Προτεινόμενη ονομασία της ποικιλίας / Proposed denomination / Dénomination proposée / Denominazione proposta / Voorgestelde benaming / Denominação proposta / Ehdotettu lajikenimi / Föreslagen benämning b: Referencia del obtentor / Forædlerens reference / Vorläufige Sortenbezeichnung / Αριθμός μητρώου του δημοουργού / Breeder's reference / Référence de l'obtenteur / Riferimento del costitutore / Referentie kweker / Referência do obtentor / Jalostajan viite / Förädlarens referens	Fecha de retirada / Tilbagekaldelsesdato / Zurückziehungsdatum / Ημερομηνία της απόσυρσης / Date of withdrawal / Date du retrait / Data del ritiro / Datum van intrekking / Data da retirada / Peruuttamispäivä-määrä / Dag för återtagande

1	2	3	4
Alstroemeria L. 2001/0749	a: 00029 b: 00029 c:	a: ZANSALUT b: ta 01	07/11/2001
Anthurium-Andreanum-Hybriden 1999/0740	a: 01347 b: 01347 c:	a: ANTFRITO b: k 1094	29/11/2001
2001/0026	a: 01393 b: 01393 c:	a: NICOLE b: nicole	06/11/2001
2001/0965	a: 00023 b: 00023 c: 00024	a: IBARRA b: 128	06/11/2001
Anthurium Scherzerianum Schott 1999/1652	a: 01347 b: 01347 c:	a: ANTLAVA b: k1129	29/11/2001
Begonia L. 2000/1877	a: 02937 b: 02937 c: 01903	a: b: pla 0002 beg	06/11/2001
Brassica oleracea L. convar. botrytis (L.) Alef. var. cymosa Duch. 2001/0660	a: 00938 b: 00938 c: 02329	a: BRM503905 b: brm50-3905	17/11/2001
2001/0661	a: 00938 b: 00938 c: 02329	a: BRM503906 b: brm 50-3906	17/11/2001
Brassica napus L. 2001/0396	a: 02988 b: 02988 c: 02629	a: b: pbif99/7	24/11/2001

1	2	3	4
Chrysanthemum 2000/1860	a: 00121 b: 01052 c: 00423	a: CEZANNE b: cezanne	07/11/2001
2001/1252	a: 02851 b: 02851 c:	a: b: 98-75182	18/12/2001
Dianthus L. 2001/1501	a: 00149 b: 00149 c:	a: CORLEONE b: corleone	07/11/2001
Foeniculum vulgare P. Mill. 2001/0434	a: 00938 b: 03351 c: 02329	a: ROMOLO b: ex4455	01/12/2001
Gerbera L. 1997/1404	a: 01931 b: 01932 c: 00443	a: FRANCESCA b: francesca	29/11/2001
Heuchera L. 1998/1267	a: 02333 b: 02333 c: 02334	a: BLACK BIRD b: black bird	18/12/2001
Hydrangea L. 2001/0435	a: 02910 b: 02910 c: 00420	a: b: florinus	16/11/2001
Impatiens-New-Guinea-Hybrids 1997/0440	a: 01668/01669 b: 01668/01669 c: 00199	a: ELECTRA ROYAL PURPLE b: 3384N	11/12/2001
Impatiens walleriana Hook. 2000/0922	a: 02979 b: 02979 c: 02961	a: CAMEO PINK b: idvae	14/12/2001
2000/0924	a: 02979 b: 02979 c: 02961	a: CAMEO WHITE b: idvaas	14/12/2001
Kalanchoë Adans. 2000/1273	a: 02851 b: 02851 c:	a: b: fk4057	05/12/2001
2000/1274	a: 02851 b: 02851 c:	a: b: fk4069	13/11/2001
Lactuca sativa L. 1997/1370	a: 00938 b: 01927 c: 02329	a: TIBET b: bs 31695	11/12/2001
1999/0163	a: 02701 b: 00053 c:	a: CALIVA b: nun 8249	16/11/2001
2000/1616	a: 02701 b: 02701 c:	a: BETIMO b: Nun 0031	16/11/2001
Osteospermum ecklonis (DC.) Norl. 2000/1506	a: 02851 b: 00472 c:	a: MILI b: margarita mili	22/11/2001

1	2	3	4
Pelargonium peltatum (L.) L'Herit. ex. Ait. 2000/0991	a: 02851 b: 00472 c:	a: b: mp 40	23/11/2001
Petunia Juss. 2001/0001	a: 03265/03266 b: 03265/03266 c: 01110	a: SALMON ROSE b: salmon rose	21/08/2001
Phaseolus vulgaris L. 1998/1391	a: 02701 b: 00053 c:	a: HELONA b: nun6960	16/11/2001
2001/0706	a: 00938 b: 00938 c: 02329	a: b: rs 08091147	22/11/2001
Portulaca grandiflora Hook. 2001/0367	a: 03341 b: 03341 c: 00423	a: CINDERELLA b: cinderella	29/12/2001
Rosa L. 2000/1646	a: 02925 b: 02925 c: 00209	a: NATUSWEBE b: ns2000-07	20/11/2001
2000/1985	a: 00021 b: 00021 c:	a: SCHAROZE b: scharoze	19/12/2001
2001/0791	a: 03450 b: 03450 c: 03451	a: SOLCELANIE b: sol-x.152	07/12/2001
2001/0793	a: 03450 b: 03450 c: 03451	a: SOLCIRA b: sol-x.318	07/12/2001
Solanum tuberosum L. 1999/1616	a: 02824/02825 b: 02824/02825 c:	a: BÖRDA b: börda	18/12/2001
1999/1663	a: 01881 b: 01883 c: 01882	a: FL1946 b: fl 1946	20/11/2001
Triticum aestivum L. emend. Fiori et Paol. 2001/0382	a: 02988 b: 02988 c: 02629	a: b: 99st97	24/11/2001
2001/0384	a: 02988 b: 02988 c: 02629	a: b: pbis99/71	24/11/2001
2001/0385	a: 02988 b: 02988 c: 02629	a: b: pbis99/62	24/11/2001
2001/0388	a: 02988 b: 02988 c: 02629	a: b: pbis98/77	24/11/2001
Vinca L. 1999/1375	a: 02777 b: 02778 c: 00423	a: WOJO'S JEM b: wojo's jem	07/11/2001

1	2	3	4
Zea mays L. 2000/0115	a: 02907 b: 02907 c:	a: CF4 b: cf4	24/11/2001
2000/1418	a: 03138 b: 03138 c: 03139	a: 7145 b: 7145	15/12/2001
2000/1425	a: 01079 b: 01079 c: 03139	a: 4LDH1 b: 4ldh1	15/12/2001

Capítulo IV: Resoluciones / Kapitel IV: Afgørelser / Kapitel IV: Entscheidungen / Κεφάλαιο IV: Αποφάσεις / Chapter IV: Decisions / Chapitre IV: Décisions / Capitolo IV: Decisioni / Hoofdstuk IV: Beslissingen / Capítulo IV: Decisões / Luku IV: Päätökset / Kapitel IV: Beslut

Cuadro IV.1.1: Concesión de protección / Tabel IV.1.1: Meddelelse af sortsbeskyttelse / Tabelle IV.1.1: Erteilung des Schutzes / Πίνακας IV.1.1: Χορήγηση μιας προστασίας / Table IV.1.1: Grants of protection / Table IV.1.1: Octroi d'une protection / Tabella IV.1.1: Concessione della tutela / Tabel IV.1.1: Toekenning van een kwekersrecht / Quadro IV.1.1: Concessão de protecção / Taulukko IV.1.1: Suojaamisen myöntäminen / Tabell IV.1.1: Beviljande av växtförelärrätt

1	2	3	4
Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisterinumero / Ansökningsnummer	a: Titular / Indehaver / Sortenschutzinhaber / Κάτοχος / Holder / Titulaire / Titolare / Houder / Titular / Hakija / Innehavare av växtförelärrätt b: Representante en el procedimiento (si lo hay) / (Eventuel) représentant/Verfahrensvertreter/ Αντίκλητος / Procedural representative (if any) / Mandataire (s'il y a lieu) / Mandatario (eventuale)/Vertegenwoordiger voor de procedure (indien van toepassing) / Representante para fins processuais (caso exista) / Menettelyyn valtuutettu edustaja (mikäli on) / (Eventuell) fullmaktsinnehavare	a: Denominación aprobada / Godkendt betegnelse / Genehmigte Bezeichnung / Εγγεγραμμένη ονομασία / Denomination approved / Dénomination approuvée / Denominazione approvata / Erkende benaming / Denominação aprovada / Hyväksytty lajikenimi / Godkänd benämning	Número de concesión, fecha / Meddelelsens nummer, dato / Nummer der Erteilung, Datum / Αριθμός χορήγησης, ημερομηνία / Grant number, date / Numéro de l'octroi, date / Numero della concessione, data / Erkenningsnummer, datum / Número da concessão, data / Myönnön numero, päivämäärä / Beviljandennummer, datum

1	2	3	4
Ageratum L. 2000/1592	a: 03325 b:	AGETIS	8556 17/12/2001
Agrostis capillaris L. 2001/0721	a: 03424 b: 02975	ABERROYAL	8282 17/12/2001
Allium cepa L. var.ascalonicum 2001/0324	a: 00689 b: 00827	VIGARMOR	8430 05/11/2001
Allium cepa L. var. cepa L. 1998/0320	a: 00237/00422 b: 02838	ROSALI	8589 17/12/2001
1998/0321	a: 00237/00422 b: 02838	LIL C10	8590 17/12/2001
1998/0322	a: 00237/00422 b: 02838	AGROTW A5	8591 17/12/2001
1998/0323	a: 00237/00422 b: 02838	AGROTW CML	8592 17/12/2001
1998/0325	a: 00237/00422 b: 02838	IMAI A10	8593 17/12/2001
1998/0326	a: 00237/00422 b: 02838	ZW ROOD A1	8594 17/12/2001
Alstroemeria L. 1999/0925	a: 00357 b:	LAGUNA	8438 05/11/2001
1999/0926	a: 00357 b:	VENTURA	8439 05/11/2001
2000/0045	a: 02895 b: 02896	TESBAY	8449 05/11/2001

1	2	3	4
2000/0690	a: 00209 b: 02321	PREALBOUR	8451 05/11/2001
2000/0691	a: 00209 b: 02321	PREALCHAR	8452 05/11/2001
2000/0692	a: 00209 b: 02321	PREALDABLA	8453 05/11/2001
2000/0693	a: 00209 b: 02321	PREALFLAS	8454 05/11/2001
2000/0694	a: 00209 b: 02321	PREALTROUB	8455 05/11/2001
Anthirrinum L. 2000/0720	a: 01511 b: 01110	YACORAN	8631 17/12/2001
2000/0721	a: 01511 b: 01110	YACPI	8621 17/12/2001
Anthurium-Andreanum-Hybriden 1999/0475	a: 01347 b:	ANTMIRA	8566 17/12/2001
1999/0739	a: 01347 b:	ANTNEROM	8568 17/12/2001
1999/0741	a: 01347 b:	ANTBIMOKO	8569 17/12/2001
1999/1204	a: 01347 b:	ANTVELONK	8572 17/12/2001
1999/1205	a: 01347 b:	ANTUVIUS	8573 17/12/2001
Anthurium Scherzerianum Schott 1999/0738	a: 01347 b:	ANTRIBELOS	8567 17/12/2001
1999/0742	a: 01347 b:	ANTWESOPA	8570 17/12/2001
1999/0743	a: 01347 b:	ANTOVELOS	8571 17/12/2001
Argyranthemum frutescens (L.) Schantz Bip. 2000/0413	a: 02964 b: 02042	OTTAVIA	8607 17/12/2001
2000/0414	a: 02964 b: 02042	ELEONORA	8630 17/12/2001
Asparagus officinalis L. 1996/0623	a: 00689/00031/01343 b: 00827	ORUS	8485 03/12/2001
Aster L. 1999/0767	a: 00164 b: 00423	DANASDIAN	8470 19/11/2001
1999/1297	a: 02619 b:	MOERCASS	8563 17/12/2001
1999/1304	a: 02619 b:	MOERCIN	8564 17/12/2001
2000/0557	a: 00725 b: 01063	EVITA	8520 17/12/2001

1	2	3	4
2000/0558	a: 00725 b: 01063	WHITE PRESTIGE	8521 17/12/2001
2000/0559	a: 00725 b: 01063	PAQUITA	8522 17/12/2001
Aster novi-belgii L. 1996/0632	a: 00291 b: 01354	MARGRETHE VIKING	8378 22/10/2001
1999/0941	a: 00291 b: 01354	BENEDIKTE VIKING	8560 17/12/2001
Begonia-Elatior-Hybriden 1999/1784	a: 01993 b: 00423	MONELLA	8479 19/11/2001
2001/0375	a: 00856 b: 00420	ELBA	8525 17/12/2001
2001/0376	a: 00856 b: 00420	FUGA	8526 17/12/2001
Brassica napus L. 1999/0939	a: 02554 b: 02642	MLCH077	8297 17/12/2001
1999/0940	a: 02554/00143 b: 02642	DCH33	8298 17/12/2001
1999/1150	a: 02761 b: 00805	LROC1132	8292 17/12/2001
2001/0182	a: 02554 b: 02642	CR10	8262 19/11/2001
2001/0183	a: 02554 b: 02642	CR11	8263 19/11/2001
2001/0184	a: 02554 b: 02642	CR12	8264 19/11/2001
2001/0187	a: 02554/00143 b: 02642	SPLIT	8265 19/11/2001
2001/0463	a: 00782/01176 b: 00782	DOROTHY	8261 19/11/2001
Calibrachoa 2000/0683	a: 02150 b: 00441	WESCACHERRY	8610 17/12/2001
2000/1112	a: 02150 b: 00441	WESCAROSE	8633 17/12/2001
2000/1605	a: 02374 b: 00441	SUMCALI 01	8634 17/12/2001
Chaenomeles Lindl. 1999/0669	a: 02588 b: 02475	WHITICE	8188 17/12/2001
Chlorophytum Ker-Gawl. 1999/1701	a: 02841 b: 02586	BONNIE	8510 03/12/2001
Chrysanthemum 1995/3015	a: 00320 b: 00423	YELLOW BORIS BECKER	8581 17/12/2001
1995/3021	a: 00121 b: 00423	GOLDEN PHOENIX	8582 17/12/2001

1	2	3	4
1997/0794	a: 00116 b:	LUCKY LION	8584 17/12/2001
1998/1394	a: 00116 b:	VIRUNGA	8489 03/12/2001
1998/1552	a: 02851 b:	SANTA LUCIA	8490 03/12/2001
1998/1553	a: 02851 b:	SANTA BIRGITTA	8491 03/12/2001
1998/1554	a: 02851 b:	SANTA MARY	8492 03/12/2001
1998/1614	a: 00301 b:	FESTIVAL TIME	8598 17/12/2001
1998/1615	a: 00301 b:	DREAM TIME YELLOW	8599 17/12/2001
1998/1617	a: 00301 b:	INGOT TIME	8600 17/12/2001
1998/1618	a: 00301 b:	TEA TIME	8576 17/12/2001
1998/1622	a: 00301 b:	RICH TIME	8577 17/12/2001
1998/1650	a: 02557 b:	LONDON	8493 03/12/2001
1998/1651	a: 02557 b:	NOTTINGHAM	8494 03/12/2001
1998/1652	a: 02557 b:	BRADFORD	8496 03/12/2001
1998/1653	a: 02557 b:	WIMBLEDON	8497 03/12/2001
1998/1772	a: 00121 b: 00423	YOBETH	8397 05/11/2001
1998/1774	a: 00121 b: 00423	YOCHERYL	8398 05/11/2001
1998/1775	a: 00121 b: 00423	YOERICA	8399 05/11/2001
1998/1777	a: 00121 b: 00423	YOROXANNE	8400 05/11/2001
1999/0255	a: 01104 b:	PADRE	8401 05/11/2001
1999/0257	a: 01104 b:	BUSCA	8402 05/11/2001
1999/0259	a: 01104 b:	KISMO	8403 05/11/2001
1999/0260	a: 01104 b:	OSTRA	8404 05/11/2001
1999/0261	a: 01104 b:	SAPIRO YELLOW	8405 05/11/2001
1999/0262	a: 01104 b:	ANCONOR	8406 05/11/2001
1999/0264	a: 01104 b:	AREZZO	8407 05/11/2001

1	2	3	4
1999/0265	a: 01104 b:	TERANO	8408 05/11/2001
1999/0266	a: 01104 b:	FARINI	8409 05/11/2001
1999/0267	a: 01104 b:	PANDORA	8410 05/11/2001
1999/0331	a: 00121 b: 00423	YODURBAN	8411 05/11/2001
1999/0332	a: 00121 b: 00423	YOCOCOA BEACH	8412 05/11/2001
1999/0336	a: 00121 b: 00423	YOLEOLA	8413 05/11/2001
1999/0337	a: 00121 b: 00423	YOROSWELL	8414 05/11/2001
1999/0338	a: 00121 b: 00423	YOMELBOURNE	8415 05/11/2001
1999/0339	a: 00121 b: 00423	YOKODIAK	8416 05/11/2001
1999/0340	a: 00121 b: 00423	HONEY YOGILROY	8417 05/11/2001
1999/0726	a: 00195 b:	KIPLUTONIA	8418 05/11/2001
1999/0727	a: 00195 b:	KIZIU	8419 05/11/2001
1999/0728	a: 00195 b:	VULKAN	8420 05/11/2001
1999/0729	a: 00195 b:	LIZ	8421 05/11/2001
1999/0973	a: 02851 b:	SANTA URSULA	8579 17/12/2001
1999/0974	a: 02851 b:	SPOETNIK	8580 17/12/2001
1999/1059	a: 00116 b:	LUCKY LION SUNNY	8498 03/12/2001
1999/1306	a: 00121 b: 00423	YOTAFFY	8422 05/11/2001
1999/1307	a: 00121 b: 00423	YOVICKI	8423 05/11/2001
1999/1308	a: 00121 b: 00423	YOSTACY	8424 05/11/2001
1999/1668	a: 00121 b: 00423	EMPIRE SPOTLIGHT	8425 05/11/2001
2000/0176	a: 02557 b:	LE MANS SUNNY	8504 03/12/2001
2000/1177	a: 00116 b:	ORANGE REAGAN TWIN	8506 03/12/2001
2000/1516	a: 00116 b:	REDOCK	8507 03/12/2001
2001/0449	a: 00320 b: 00423	LEONARDO	8508 03/12/2001

1	2	3	4
Cichorium endivia L. 1999/1604	a: 00088 b:	MONTREAL	8500 03/12/2001
2000/0439	a: 03325 b:	LASSIE	8505 03/12/2001
Clusia rosea Jacq. 2000/1221	a: 03475 b: 01903	PRINCESS	8456 05/11/2001
Cucumis melo L. 1998/0533	a: 00088 b:	MAYOL	8395 05/11/2001
Dahlia Cav. 1999/0318	a: 01602 b:	DAPALIPI	8557 17/12/2001
1999/0319	a: 01602 b:	MIPALEMON	8558 17/12/2001
1999/0320	a: 01602 b:	DAPAHAPU	8559 17/12/2001
1999/1396	a: 01602 b:	MIPABRIOR	8565 17/12/2001
1999/1832	a: 02871 b: 02826	KIEDAHRED	8547 17/12/2001
1999/1833	a: 02871 b: 02826	KIEDAHBIC	8548 17/12/2001
2000/0275	a: 01135 b:	MELODY SWING	8605 17/12/2001
2001/0299	a: 01135 b:	KARMA CORONA	8482 19/11/2001
2001/0302	a: 01135 b:	KARMA MAARTEN ZWAAN	8483 19/11/2001
Daucus carota L. 1998/0336	a: 00237 b: 02838	CL A11	8595 17/12/2001
1998/0337	a: 00237 b: 02838	UKE C44	8596 17/12/2001
1998/0338	a: 00237 b: 02838	NABER C27	8597 17/12/2001
Dianthus L. 1998/0734	a: 01334 b:	LONTIENAC	8379 22/10/2001
1998/1120	a: 00152 b: 00096	VIKING	8517 03/12/2001
Eryngium L. 1999/1027	a: 02679/02681 b:	ASTRA	8601 03/12/2001
1999/1028	a: 02679/02681 b:	SUPERNOVA	8602 03/12/2001
Euphorbia milii Des Moul. 2000/1538	a: 03165 b:	DINNI	8555 17/12/2001
Fagopyrum esculentum Moench 1998/1345	a: 02357 b:	DROLLET	8269 19/11/2001

1	2	3	4
Ficus benjamina L. 1999/1739	a: 02114 b: 00003	NATALIE	8574 17/12/2001
Ficus elastica Roxb. 2000/0030	a: 00277 b: 01903	PETINE	8575 17/12/2001
Fragaria x ananassa Duch. 1997/1529	a: 01460 b:	CIJOSEE	8486 03/12/2001
1997/1530	a: 01460 b:	CIRANO	8487 03/12/2001
1999/1320	a: 00984 b:	ELAN	8499 03/12/2001
Freesia Eckl. ex. Klatt 2001/0080	a: 03056/03306 b: 00225	RICALDOS	8511 03/12/2001
2001/0081	a: 03056/03306 b: 00225	RICAMON	8512 03/12/2001
Gerbera L. 1998/1202	a: 00209 b: 02321	PREVAPINT	8435 05/11/2001
1999/0901	a: 00023 b: 00024	YANINA	8436 05/11/2001
1999/0909	a: 00023 b: 00024	YELLOPT	8437 05/11/2001
Gladiolus L. 2000/0043	a: 02894 b:	ROYALTY	8462 19/11/2001
2000/0044	a: 02894 b:	ALINE	8463 19/11/2001
Glycine max (L.) Merril 2000/1977	a: 00180 b: 00804	ALADIR	8228 05/11/2001
2001/0462	a: 00782/01176 b: 00782	GENTLEMAN	8229 19/11/2001
2001/0802	a: 03412 b: 00993	AMPHOR	8231 19/11/2001
Gossypium hirsutum L. 2001/0541	a: 00767 b: 03556	LIGUR	8259 19/11/2001
2001/0884	a: 02090 b: 03476	LACTA	8230 19/11/2001
Gynostemma pentaphyllum (Thunb. ex Murray) Makino 1998/1034	a: 02246 b:	GINPENT	8488 03/12/2001
Gypsophila L. 2000/0051	a: 01910 b: 01063	BRETA	8383 05/11/2001
2000/0534	a: 00164 b: 00423	DANFESROY	8519 17/12/2001
2001/0012	a: 00164 b: 00423	DANGYPFIRM	8384 05/11/2001

1	2	3	4
Hedera helix L. 1999/1624	a: 02827 b: 02586	CRISPY	8380 22/10/2001
Helianthus annuus L. 2001/0731	a: 03426 b:	RF510801	8706 17/12/2001
2001/0732	a: 03426 b:	F500135	8705 17/12/2001
2001/0733	a: 03426 b:	RD506011	8704 17/12/2001
2001/0734	a: 03426 b:	E78079	8703 17/12/2001
2001/0735	a: 03426 b:	RD502001	8702 17/12/2001
2001/0738	a: 03426 b:	H570R	8701 17/12/2001
Hibiscus L. 2000/0426	a: 02972 b: 00420	CADIZ	8518 17/12/2001
Hibiscus rosa-sinensis L. 2000/1184	a: 00121 b: 00423	COCONUT WIND	8554 17/12/2001
Hordeum vulgare L. sensu lato 1999/1812	a: 02866 b:	KIKA	8227 05/11/2001
2000/2090	a: 02409 b:	VERTICALE	8221 05/11/2001
2001/0086	a: 03307 b:	TAHITI	8222 05/11/2001
2001/0257	a: 00187 b:	CADIX	8220 05/11/2001
2001/0274	a: 03307 b:	BRAZIL	8223 05/11/2001
2001/0275	a: 03307 b:	CAMBRINUS	8224 05/11/2001
2001/0276	a: 03307 b:	DANOR	8225 05/11/2001
2001/0568	a: 03384 b:	GERVAL	8258 19/11/2001
2001/0647	a: 00287 b:	EDDA	8248 19/11/2001
2001/0663	a: 00289 b:	MENHIR	8290 17/12/2001
2001/0695	a: 00731 b: 00928	CLARA	8285 17/12/2001
2001/0760	a: 00038 b:	LOMERIT	8708 17/12/2001
Hypericum L. 1998/1434	a: 01498 b:	BOSAROCK	8478 19/11/2001

1	2	3	4
Impatiens-New-Guinea-Hybrids			
1999/0830	a: 00223 b: 00554	EUMEDA	8472 19/11/2001
2000/0904	a: 00012 b:	FISNICS RED	8622 17/12/2001
2000/0905	a: 00012 b:	FISNICS ORANGE	8623 17/12/2001
2000/0906	a: 00012 b:	FISNICS SCARLET BLUSH	8624 17/12/2001
2000/0907	a: 00012 b:	FISNICS DARK SALMON	8625 17/12/2001
2000/0908	a: 00012 b:	FISNICS LIGHT PINK	8626 17/12/2001
2000/0909	a: 00012 b:	FISNICS PINK	8627 17/12/2001
2000/0910	a: 00012 b:	FISNICS FUCHSINE	8628 17/12/2001
Kalanchoë blossfeldiana v. Poelln			
1999/0272	a: 00432 b: 00423	ROSE AFRICAN	8469 19/11/2001
1999/1198	a: 00432 b: 00423	JULIANATJE	8473 19/11/2001
1999/1829	a: 00432 b: 00423	SIMONETWO	8480 19/11/2001
1999/1830	a: 00432 b: 00423	JEPMONI	8481 19/11/2001
Lactuca sativa L.			
1997/0652	a: 00088 b:	KENDAÏ	8583 17/12/2001
1997/0816	a: 00088 b:	CONCORDE	8585 17/12/2001
1997/1163	a: 00031 b:	MELIES	8586 17/12/2001
1998/0835	a: 00088 b:	VEDETTE	8396 05/11/2001
1999/1847	a: 00938 b: 02329	LUBERON	8426 05/11/2001
2000/1731	a: 03325 b:	BASTIDOR	8509 03/12/2001
Lantana L.			
2000/2049	a: 01401 b: 00423	ROBPATHAL	8638 17/12/2001
Lilium L.			
1996/0832	a: 03664 b: 00420	HOLECICI	8432 05/11/2001
1999/1424	a: 02791 b:	ERCOLANO	8443 05/11/2001
1999/1428	a: 02791 b:	CONCA DOR	8444 05/11/2001
1999/1436	a: 02791 b:	DARWIN	8445 05/11/2001

1	2	3	4
1999/1447	a: 02791 b:	FORMOSE	8446 05/11/2001
2000/2015	a: 00777 b: 03250	PINK PROMISE	8457 05/11/2001
Linum usitatissimum L. 2000/0791	a: 02770 b:	ADELIE	8268 19/11/2001
2001/0321	a: 03542 b:	ASTRAL	8266 19/11/2001
2001/0322	a: 03542 b:	OURAL	8267 19/11/2001
2001/0464	a: 03361 b: 00782	TALON	8260 19/11/2001
Lobelia L. 2000/1660	a: 03325 b:	LOBETIS	8635 17/12/2001
2000/1844	a: 00633 b: 00423	PERIWINKLE BLUE	8637 17/12/2001
Lobelia erinus L. 2000/1661	a: 03325 b:	LOBETO	8636 17/12/2001
Lolium perenne L. 2001/0720	a: 03424 b: 02975	ABERSPRITE	8281 17/12/2001
Lycopersicon lycopersicum (L.) Karst. ex. Farw. 1999/1016	a: 02335 b: 01008	NEMO NETTA	8495 03/12/2001
Malus Mill. 1999/1857	a: 02873 b:	INA COX	8427 05/11/2001
2001/0824	a: 00010 b:	TOTEM	8484 19/11/2001
Osteospermum ecklonis (DC.) Norl. 1999/1277	a: 00376 b:	PHÖNIX	8537 17/12/2001
1999/1279	a: 00376 b:	ANTARES	8538 17/12/2001
1999/1280	a: 00376 b:	VEGA	8539 17/12/2001
1999/1281	a: 00376 b:	NEPTHUN	8540 17/12/2001
1999/1522	a: 00004 b: 00003	SUNNY DARK MARTHA	8529 17/12/2001
1999/1523	a: 00004 b: 00003	SUNNY PINK GUSTAF	8530 17/12/2001
1999/1524	a: 00004 b: 00003	SUNNY DARK GUSTAF	8531 17/12/2001
2000/0433	a: 03135 b:	SEIDACRE	8535 17/12/2001
2000/0435	a: 03135 b:	SEIMORA	8536 17/12/2001

1	2	3	4
2000/0436	a: 03135 b:	SEITOPÉ	8542 17/12/2001
Pelargonium peltatum (L.) L'Herit. ex. Ait. 1999/1167	a: 00324 b: 02722	GERDOBRO	8561 17/12/2001
1999/1228	a: 00089 b: 00441	PACCHERRY	8562 17/12/2001
2000/0627	a: 00401 b: 01373	FREE BURGUNDY	8550 17/12/2001
2000/0996	a: 00071 b:	DUEALEGRIA	8629 17/12/2001
2001/0254	a: 00324 b: 02722	GERDOBFRA	8523 17/12/2001
2001/0412	a: 00012 b:	FIM145	8477 19/11/2001
Pelargonium zonale (L.) L'Herit. ex Ait. 2000/0075	a: 01910 b: 00441	BREOZ	8532 17/12/2001
2000/0203	a: 00036 b:	KLERANGIE	8474 19/11/2001
2000/0424	a: 02971 b:	TOPLEO	8534 17/12/2001
2000/0624	a: 00401 b: 01373	CLIPS VIO	8549 17/12/2001
2000/0718	a: 03022 b: 00003	LIN99	8543 17/12/2001
2000/0912	a: 00036 b:	KLETED	8544 17/12/2001
2000/0939	a: 02416 b: 00441	REALSIR	8611 17/12/2001
2000/0940	a: 02416 b: 00441	REALSPI	8545 17/12/2001
2000/0942	a: 02416 b: 00441	REALVEGA	8546 17/12/2001
2000/0943	a: 02416 b: 00441	REALDIR	8612 17/12/2001
2000/0944	a: 02416 b: 00441	REALPOL	8603 17/12/2001
2000/0945	a: 02416 b: 00441	REALPRO	8551 17/12/2001
2000/0946	a: 02416 b: 00441	REALMI	8552 17/12/2001
Phaseolus vulgaris L. 1997/1369	a: 00938 b: 02329	PIX	8587 17/12/2001
Phlox L. 2001/0270	a: 02748 b: 01903	EMPTY FEELINGS	8458 05/11/2001

1	2	3	4
Pisum sativum L. sensu lato 2000/0029	a: 00215 b:	JEROME	8503 03/12/2001
2001/0501	a: 02738 b:	ZODIAQUE	8243 19/11/2001
2001/0502	a: 02738 b:	NEPAL	8242 19/11/2001
2001/0503	a: 02738 b:	CARDIFF	8241 19/11/2001
Prunus armeniaca L. 1995/0516	a: 00159 b: 00160	AC HAROSTAR	8385 05/11/2001
1995/0517	a: 00159 b: 00160	AC HAROBLUSH	8386 05/11/2001
1995/0518	a: 00159 b: 00160	AC HAROJOY	8387 05/11/2001
Prunus persica (L.) Batsch 1995/1323	a: 00189 b:	ZAIRUBI	8391 05/11/2001
1995/1324	a: 00189 b:	ZAIBOP	8392 05/11/2001
1995/1327	a: 00189 b:	ZAISUME	8393 05/11/2001
1995/1333	a: 00189 b:	ZAIRIALA	8394 05/11/2001
Prunus salicina Lindl. 1995/1233	a: 00189 b:	ZAIPRE	8388 05/11/2001
1995/1248	a: 00189 b:	ZAILET	8389 05/11/2001
1995/1253	a: 00189 b:	ZAIROBE	8390 05/11/2001
Rosa L. 1998/0941	a: 00709 b: 00421	KORLAUKA	8461 19/11/2001
1999/0683	a: 02088 b: 00477	COCQUAMBER	8613 17/12/2001
2000/0072	a: 00709 b: 00421	KORLALON	8615 17/12/2001
2000/0671	a: 00091 b: 00477	HARDRAMA	8616 17/12/2001
2000/0672	a: 00091 b: 00477	HARFABLE	8617 17/12/2001
2000/0677	a: 00091 b: 00477	HARENTENTE	8618 17/12/2001
2000/0760	a: 02088 b: 00477	COCOCIRCUS	8619 17/12/2001
2001/0353	a: 02304 b: 02955	INTERHELA	8459 05/11/2001
Saintpaulia H. Wendl. 1999/1416	a: 02224 b:	GONNY	8541 17/12/2001

1	2	3	4
1999/1417	a: 02224 b:	SHANNON	8527 17/12/2001
1999/1418	a: 02224 b:	BLUE LAGOON	8528 17/12/2001
2000/1040	a: 02224 b:	JENNY	8553 17/12/2001
2000/1769	a: 02224 b:	SANNEFI	8475 19/11/2001
2000/1770	a: 02224 b:	CILLY	8476 19/11/2001
Salix L. 2001/0344	a: 00186/03330/03332 b:	ASHTON STOTT	8524 17/12/2001
Sanvitalia Lam. 2000/0206	a: 02927 b: 00165	SUNBINI	8604 17/12/2001
2000/1102	a: 00376 b:	GOLDEN GLOW	8632 17/12/2001
Scutellaria L. 2000/0549	a: 01750 b:	SUMMER BLUE	8450 05/11/2001
Secale cereale L. 2001/0646	a: 00038 b:	TREVISO	8255 19/11/2001
Solanum tuberosum L. 1998/1537	a: 01881 b: 01882	DALMATIAN	8238 19/11/2001
1998/1541	a: 01881 b: 01882	EMPEROR	8239 19/11/2001
2000/0695	a: 03018 b:	ROSITA	8291 17/12/2001
2001/0277	a: 03320 b:	LAFRITA	8256 19/11/2001
2001/0278	a: 03321 b: 03358	UMATILLA RUSSET	8219 05/11/2001
2001/0558	a: 00117 b:	ORLANDO	8250 19/11/2001
2001/0559	a: 00117 b:	MARELLA	8249 19/11/2001
2001/0580	a: 00315 b:	SALOME	8251 19/11/2001
2001/0600	a: 03439 b:	STARGA	8252 19/11/2001
2001/0698	a: 00456 b:	CONSTANZA	8286 17/12/2001
2001/0700	a: 00456 b:	ESPRIT	8289 17/12/2001
2001/0754	a: 03431 b:	SULEIKA	8299 17/12/2001
2001/0759	a: 03436 b: 00451	LIVA	8295 17/12/2001

1	2	3	4
2001/0840	a: 00109 b:	THERESA	8707 17/12/2001
Sutera Roth 1999/0806	a: 03325 b:	SUTTIS 98	8471 19/11/2001
2000/0003	a: 02889 b: 02318	SUNLAV	8620 17/12/2001
2000/0326	a: 00165 b:	MOGOTO	8606 17/12/2001
2000/0477	a: 01511 b: 01110	YAGEMAG	8608 17/12/2001
2000/0590	a: 01511 b: 01110	YASFLOS	8609 17/12/2001
Torenia L. 2000/0261	a: 00164 b: 00423	DANTOGOLD	8533 17/12/2001
Trachelium L. 1999/1561	a: 01602 b:	DEEPLAKE	8447 05/11/2001
Triticum durum Desf. 1998/0916	a: 00180 b: 00804	BRACCO	8270 17/12/2001
2001/0624	a: 02495 b:	GARIC	8245 19/11/2001
2001/0625	a: 02495 b:	BARCAROL	8246 19/11/2001
Triticum aestivum L. emend. Fiori et Paol. 1999/1760	a: 00008 b:	MODEM	8226 05/11/2001
2000/1406	a: 00058 b:	TRAVIX	8257 19/11/2001
2001/0504	a: 02738 b:	CAPNOR	8240 19/11/2001
2001/0529	a: 03371 b:	BOSTON	8253 19/11/2001
2001/0623	a: 02409 b:	JOSSELIN	8244 19/11/2001
2001/0669	a: 02537 b:	IDOL	8247 19/11/2001
2001/0789	a: 00143 b: 03456	HATTRICK	8296 17/12/2001
X Triticosecale W. 2000/0092	a: 03304 b: 01076	BELLAC	8367 08/10/2001
Tulipa L. 2000/1232	a: 00236 b:	SUNNY PRINCE	8513 03/12/2001
2000/1241	a: 00236 b:	EURO FLAME	8514 03/12/2001
2000/1242	a: 00236 b:	CANDY PRINCE	8515 03/12/2001

1	2	3	4
2000/1378	a: 00236 b:	CHARADE	8516 03/12/2001
2001/0363	a: 03339 b: 02334	CLEARWATER	8460 05/11/2001
Valerianella locusta L. & V. eriocarpa Desv. 1999/1606	a: 00088 b:	MORIAU	8501 03/12/2001
1999/1607	a: 00088 b:	NOMURA	8502 03/12/2001
2000/1088	a: 02701 b:	VERON	8428 05/11/2001
2000/1301	a: 03723 b:	JUVERT	8429 05/11/2001
Verbena L. 1999/1873	a: 00932 b: 00082	SUNMARILAC	8448 05/11/2001
2001/0408	a: 03325 b:	BLANCENA	8464 19/11/2001
2001/0409	a: 03325 b:	OXENA	8465 19/11/2001
2001/0410	a: 03325 b:	LOBENA	8466 19/11/2001
2001/0411	a: 03325 b:	DULCENA	8467 19/11/2001
Zea mays L. 1998/1839	a: 00180 b: 00804	DANELLA	8271 17/12/2001
1999/0310	a: 02022 b:	LH200	8047 19/11/2001
1999/0311	a: 02022 b:	LH235	8049 19/11/2001
1999/0312	a: 02022 b:	LH262	8048 19/11/2001
2000/1316	a: 00180 b: 00804	PH2MW	8272 17/12/2001
2001/0225	a: 01396 b: 01397	DSP1911D	8283 17/12/2001
2001/0226	a: 01396 b: 01397	DSP1771D	8284 17/12/2001
2001/0343	a: 03329 b:	SM570	8254 19/11/2001
2001/0489	a: 00087 b: 01006	L348	8277 17/12/2001
2001/0490	a: 00087 b: 01006	L351	8278 17/12/2001
2001/0512	a: 01030 b: 03480	UP97D364	8279 17/12/2001
2001/0562	a: 00362/01079 b: 03185	SK194	8280 17/12/2001

1	2	3	4
2001/0582	a: 00156 b:	19BZB1	8287 17/12/2001
2001/0583	a: 00156 b:	4SF40442	8288 17/12/2001
2001/0672	a: 03412 b: 03413	CPC022	8273 17/12/2001
2001/0675	a: 03412 b: 03413	PL5008	8274 17/12/2001
2001/0676	a: 03412 b: 03413	RPK7211	8275 17/12/2001
2001/0677	a: 03412 b: 03413	RPK7238	8276 17/12/2001
2001/0767	a: 03304 b:	FOXXIL	8700 17/12/2001
2001/0843	a: 00362/01079 b: 03185	SK 201	8294 17/12/2001
2001/0845	a: 00362/01079 b: 03185	SK 207	8293 17/12/2001

Cuadro IV.2: *Denegación de protección*Tabel IV.2: *Afslag på ansøgninger om sortsbeskyttelse*Tabelle IV.2: *Zurückweisung von Anträgen auf Sortenschutz*Πίνακας IV.2: *Απόρριψη αιτήσεων προστασίας*Table IV.2: *Rejection of applications for protection*Table IV.2: *Rejet des demandes de protection*Tabella IV.2: *Rigetto delle domande di tutela*Tabel IV.2: *Afwijzing van aanvragen van een kwekersrecht*Quadro IV.2: *Recusa de pedidos de protecção*Taulukko IV.2: *Suojaamista koskevien hakemusten hylkääminen*Tabell IV.2: *Avslag på ansökningar om växtförädlarrätt*

1	2	3	4
Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisterinumero / Ansökningsnummer	a: Solicitante / Ansøger / Antragsteller / Αιτών / Applicant / Demandeur / Richiedente / Aanvrager / Requerente / Hakija / Sökande b: Obtentor / Forædler / Züchter / Δημιουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare c: Representante legal / Befuldmægtiget / Verfahrensvertreter / Αντιπρόσωπος / Procedural representative / Mandataire / Mandatario / Vertegenwoordiger voor de procedure / Representante para efeitos processuais / Valtuutettu henkilö / Ombud	a: Denominación propuesta/Foreslået betegnelse/ Vorgeschlagene Sortenbezeichnung/ Προτεινόμενη ονομασία της ποικιλίας/ Proposed denomination / Dénomination proposée / Denominazione proposta / Voorgestelde benaming / Denominação proposta / Ehdotettu lajikenimi / Föreslagen benämning b: Referencia del obtentor/Forædlerens reference/ Vorläufige Sortenbezeichnung / Αριθμός μητρώου του δημιουργού/ Breeder's reference/ Référence de l'obteneur / Riferimento del costitutore / Referentie kweker / Referência do obtentor / Jalostajan viite / Förädlarens referens	Fecha límite / Afslagsdato / Datum der Zurückweisung/ Ημερομηνία απόρριψης/ Date of rejection / Date du rejet / Data del rigetto / Datum van afwijzing / Data da recusa / Hylkäyspäivä / Datum för avslaget

1	2	3	4
Beta vulgaris L. ssp. vulgaris var. altissima Döll 1999/0121	a: 02907 b: 00400 c:	a: M99404 b: m99404	05/11/2001 R212
Brassica napus L. 1997/1215	a: 01902 b: 01902 c: 02116	a: NEPAL b: eg93/2	17/01/2000 R89
Chrysanthemum 1996/0444	a: 00121 b: 00616 c: 00423	a: SUNNY KENT b: Sunny kent	17/12/2001 R215
1997/0392	a: 01571 b: 01571 c: 00420	a: MARIBELLE RED b: maribelle red	03/12/2001 R222
1997/0393	a: 01571 b: 01571 c: 00420	a: MARIBELLE MAUVE b: maribelle mauve	03/12/2001 R223

1	2	3	4
1997/0394	a: 01571 b: 01571 c: 00420	a: MARIBELLE BRONZE b: maribelle bronze	03/12/2001 R224
1999/1064	a: 00116 b: 00852 c:	a: b: 98.4237	17/12/2001 R218
Fragaria x ananassa Duch. 2000/1219	a: 03096 b: 03098 c: 03097	a: COLIMA b: colima/91711-503	03/12/2001 R226
Hordeum vulgare L. sensu lato 2001/0557	a: 00731 b: 03379 c: 03396	a: DANUTA b: nord 92 k0015 d 22	19/11/2001 R219
Lactuca sativa L. 1995/0186	a: 03325 b: 00076 c:	a: ENARA b: S 3723	03/12/2001 R69
Lycopersicon lycopersicum (L.) Karst. ex. Farw. 1995/2074	a: 00232 b: 00232 c: 01122	a: DANIELA b: R 144	03/12/2001 R225
Malus Mill. 1995/2792	a: 00776 b: 00776 c: 01119	a: REDFIELD b: -	17/12/2001 R214
Ocimum basilicum L. 1997/1305	a: 00899 b: 00900 c: 00441	a: OASE b: oase	17/12/2001 R217

Capítulo V: Cambio de solicitante, de representante en el procedimiento o de titular del derecho de protección / Kapitel V: Ændringer vedrørende ansøger om eller indehavere af EF-sortsbeskyttelse eller vedrørende disses befuldmægtigede / Kapitel V: Änderungen bezüglich des Antragstellers, des Verfahrensvertreters bzw. des Sortenschutzinhabers / Κεφάλαιο V: Αλλαγές στους καταλόγους των αιτούντων ή των αντιζήτων τους ή/και των κατόχων μιας κοινοτικής προστασίας / Chapter V: Changes in the person of the applicant, procedural representative or of the holder of the protection / Chapitre V: Changements dans les listes de demandeurs, de mandataires ou de titulaires d'une protection / Capitolo V: Modifiche relative alla persona del richiedente, del mandatario o del titolare della tutela / Hoofdstuk V: Wijzigingen betreffende de aanvrager, de vertegenwoordiger voor de procedure of de houder van een kwekersrecht / Capítulo V: Alterações relativas a requerentes, a representantes para fins processuais ou titulares de direitos / Luku V: Hakijaa, menettelyyn valtuutettua edustajaa tai suojaamisen omistajaa koskevat muutokset / Kapitel V: Förändringar beträffande den person som ansökt, fullmaktsinnehavaren eller den person som innehar växtförädlarrätt

Cuadro V.1: Cambio de solicitante o de su representante en el procedimiento / Tabel V.1: Ændringer vedrørende ansøgeren eller vedrørende dennes befuldmægtigede / Tabelle V.1: Änderungen bezüglich des Antragstellers oder des Verfahrensvertreters / Πίνακας V.1: Αλλαγή του αιτούντος ή του αντιζήτου του / Table V.1: Changes in the person of the applicant or of the procedural representative / Table V.1: Changement de demandeur ou de son mandataire / Tabella V.1: Modifiche relative alla persona del richiedente o del mandatario / Tabel V.1: Wijzigingen betreffende de aanvrager of de vertegenwoordiger voor de procedure / Quadro V.1: Alterações relativas a requerentes ou a seus representantes para fins processuais / Taulukko V.1: Hakijaa tai menettelyyn valtuutettuja edustajia koskevat muutokset / Tabell V.1: Förändringar beträffande den person som ansökt eller fullmaktsinnehavaren

1	2	3	4
	Anterior / Tidligere / Vorheriger / Προηγούμενος / Previous / Ancien / Precedente / Vorige / Anterior / Aikaisempi / Föregående	Nuevo / Ny / Neuer / Νέος / New / Nouveau / Nuovo / Nieuwe / Actual / Uusi / Ny	
a: Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossinummer / Número de processo / Rekisterinummer / Ansökningsnummer	a: Solicitante / Ansøger / Antragsteller / Αιτών / Applicant / Demandeur / Richiedente / Aanvrager / Requerente / Hakija / Sökande	a: Solicitante / Ansøger / Antragsteller / Αιτών / Applicant / Demandeur / Richiedente / Aanvrager / Requerente / Hakija / Sökande	Fecha del cambio / Ændringsdato / Änderungsdatum / Ημερομηνία αλλαγής / Date of change / Date de changement / Data della modifica / Wijzigingsdatum / Data de alteração / Muutospäivämäärä / Ändringsdatum
b: Denominación propuesta / Foreslået betegnelse / Vorgeschlagene Bezeichnung / Προτεινόμενη ονομασία / Proposed denomination / Dénomination proposée / Denominazione proposta / Voorgestelde benaming / Denominação proposta / Ehdotettu lajikennimi / Föreslagen beteckning	b: Obtentor / Forædler / Züchter / Δημιουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare	b: Obtentor / Forædler / Züchter / Δημιουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare	
c: Referencia del obtentor / Forædlerens reference / Züchtercode / Στοιχεία του δημιουργού / Breeder's reference / Référence de l'obteneur / Riferimento del costitutore / Referentie kweker / Referência do obtentor / Jalostajan viite / Förädlarens referens	c: Representante en el procedimiento / Représentant / Verfahrensvertreter / Αντιζήτης / Procedural representative / Mandataire / Mandatario / Vertegenwoordiger voor de procedure / Representante para fins processuais / Menettelyyn valtuutettu edustaja / Ombud	c: Representante en el procedimiento / Représentant / Verfahrensvertreter / Αντιζήτης / Procedural representative / Mandataire / Mandatario / Vertegenwoordiger voor de procedure / Representante para fins processuais / Menettelyyn valtuutettu edustaja / Ombud	

1	2	3	4
Dahlia Cav.			
a: 2000/1941	a: 00249	a: 03721	19/12/2001
b:	b: 00249	b: 00249	
c: 96-175	c: 02851	c: 02851	
a: 2000/1942	a: 00249	a: 03721	19/12/2001
b:	b: 00249	b: 00249	
c: 96-067	c: 02851	c: 02851	
a: 2000/1943	a: 00249	a: 03721	19/12/2001
b:	b: 00249	b: 00249	
c: 96-297	c: 02851	c: 02851	
a: 2000/1944	a: 00249	a: 03721	19/12/2001
b:	b: 00249	b: 00249	
c: 96-076	c: 02851	c: 02851	
a: 2000/1945	a: 00249	a: 03721	19/12/2001
b:	b: 00249	b: 00249	
c: 96-294	c: 02851	c: 02851	

1	2	3	4
a: 2000/1946 b: c: 96-322	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
a: 2001/1272 b: c: 96-368	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
a: 2001/1273 b: c: carolina orange	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
a: 2001/1274 b: c: carolina burgundy	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
Lilium L.			
a: 2000/0492 b: PINTURA c: pintura	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 2000/0571 b: RED BULL c: red bull	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 2000/0572 b: AMBATO c: ambato	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 2000/1085 b: QUEEN c: queen	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 2000/1086 b: GINZA c: ginza	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 2000/1100 b: BRIGITTE c: brigitte	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
Malus Mill.			
a: 1998/1844 b: DALINBEL c: dalinbel	a: 00689/00328 b: 00689/00328 c: 00827	a: 00689/00303 b: 00689/00328 c: 00827	21/11/2001
a: 1999/0033 b: SCHNIGA c: schniga	a: 02693 b: 02498 c: 00421	a: 02693 b: 02498 c: 00443	13/11/2001
a: 2000/0048 b: – c: r 36 a 6	a: 00328 b: 00328 c:	a: 00303 b: 00328 c:	21/11/2001
a: 2000/0049 b: – c: r 37 a 72	a: 00328 b: 00328 c:	a: 00303 b: 00328 c:	21/11/2001
Prunus salicina Lindl.			
a: 1995/1245 b: TEAK GOLD c: –	a: 03563 b: 03563 c:	a: 03563 b: 03563 c: 03722	10/12/2001

Cuadro V.2:	<i>Cambio de titular del derecho de protección o de su representante en el procedimiento</i>
Tabel V.2:	<i>Ændringer vedrørende indehaveren af sortsbeskyttelse eller vedrørende dennes befuldmægtigede</i>
Tabelle V.2:	<i>Änderungen bezüglich des Sortenschutzinhabers oder des Verfahrensvertreterers</i>
Πίνακας V.2:	<i>Αλλαγές στους καταλόγους των κατόχων μιας προστασίας ή των αντικλήτων τους</i>
Table V.2:	<i>Changes in the person of the holder of protection or of the procedural representative</i>
Table V.2:	<i>Changement de titulaire d'une protection ou de son mandataire</i>
Tabella V.2:	<i>Modifiche relative alla persona del titolare della tutela o del mandatario</i>
Tabel V.2:	<i>Wijzigingen betreffende de houder van een kwekersrecht of de vertegenwoordiger voor de procedure</i>
Quadro V.2:	<i>Alterações relativas a titulares de direitos ou seus representantes para fins processuais</i>
Taulukko V.2:	<i>Suojaamisen omistajia tai menettelyyn valtuutettuja edustajia koskevat muutokset</i>
Tabell V.2:	<i>Förändringar beträffande den person som innehar växtförädlarrätt eller fullmaktsinnehavaren</i>

1	2 Anterior / Tidligere / Vorheriger / Προηγούμενος / Previous / Ancien / Precedente / Vorige / Anterior / Aikaisempi / Föregående	3 Nuevo / Ny / Neuer / Νέος / New / Nouveau / Nuovo / Nieuwe / Actual / Uusi / Ny	4
a: Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisterinumero / Ansökningsnummer	a: Titular / Indehaver / Sortenschutzinhaber / Κάτοχος / Holder / Titulaire / Titolare / Houder / Titular / Hakija / Innehavare av växt- förädlarrätt	a: Titular / Indehaver / Sortenschutzinhaber / Κάτοχος / Holder / Titulaire / Titolare / Houder / Titular / Hakija / Innehavare av växt- förädlarrätt	Fecha del cambio / Ændringsdato / Ände- rungsdatum / Ημερο- μηνία αλλαγής / Date of change / Date de changement / Data della modifica / Wij- zigingsdatum / Data de alteração / Muutos- päivämäärä / Änd- ringsdatum
b: Número de concesión / Meddelelsens num- mer / Nummer der Erteilung / Αριθμός χορήγησης / Grant number / Numéro de l'octroi / Numero della concessione / Erkenningsnummer / Número da concessão / Myönnön numero / Beviljandenummer	b: Obtentor / Forædler / Züchter / Δημοουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare c: Representante en el procedimiento / Reprä- sentant / Verfahrensvertreter / Αντίκλητος / Procedural representative / Mandataire / Mandataro / Vertegenwoordiger voor de proce- dure / Representante para fins processuais / Menettelyyn valtuutettu edustaja / Ombud	b: Obtentor / Forædler / Züchter / Δημοουργός / Breeder / Obtenteur / Costitutore / Kweker / Obtentor / Jalostaja / Förädlare c: Representante en el procedimiento / Reprä- sentant / Verfahrensvertreter / Αντίκλητος / Procedural representative / Mandataire / Mandataro / Vertegenwoordiger voor de proce- dure / Representante para fins processuais / Menettelyyn valtuutettu edustaja / Ombud	

1	2	3	4
Dahlia Cav. a: 1995/2489 b: 583 a: 1995/2490 b: 584 a: 1995/2491 b: 1980 a: 1995/2492 b: 3955 a: 1995/2493 b: 1981 a: 1997/1140 b: 5396	a: 00249 b: 00249 c: 02851 a: 00249 b: 00249 c: 02851 a: 00249 b: 00249 c: 02851 a: 00249 b: 00249 c: 02851 a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851 a: 03721 b: 00249 c: 02851 a: 03721 b: 00249 c: 02851 a: 03721 b: 00249 c: 02851 a: 03721 b: 00249 c: 02851	19/12/2001 19/12/2001 19/12/2001 19/12/2001 19/12/2001

1	2	3	4
a: 1997/1236 b: 5594	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
a: 1998/1415 b: 8211	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
a: 1998/1416 b: 5409	a: 00249 b: 00249 c: 02851	a: 03721 b: 00249 c: 02851	19/12/2001
Gladiolus L. a: 1995/2621 b: 593	a: 00369 b: 00252 c: 00430	a: 00369 b: 00252 c:	26/11/2001
Lilium L. a: 1996/0832 b: 8432	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1996/0833 b: 3331	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1996/0835 b: 3910	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1996/0836 b: 3909	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1996/1121 b: 3988	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1996/1122 b: 3907	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1996/1362 b: 3906	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1997/1033 b: 5225	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1997/1034 b: 5226	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1997/1035 b: 5227	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1997/1039 b: 5228	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1330 b: 6575	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1331 b: 6576	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1333 b: 6578	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001

1	2	3	4
a: 1998/1334 b: 6579	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1336 b: 6581	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1337 b: 6640	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1501 b: 6583	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1998/1502 b: 6584	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
a: 1999/0855 b: 7643	a: 01165 b: 01165 c: 00420	a: 03664 b: 01165 c: 00420	14/12/2001
Malus Mill. a: 1995/1967 b: 1290	a: 00758 b: 00758 c:	a: 00303 b: 00758 c:	21/11/2001
a: 1995/1968 b: 1291	a: 00758 b: 00758 c:	a: 00303 b: 00758 c:	21/11/2001
Petunia Juss. a: 1997/0505 b: 5391	a: 01690 b: 01690 c: 01110	a: 01690 b: 01690 c:	21/11/2001
Phaseolus vulgaris L. a: 1995/0317 b: 1593	a: 00106 b: 00569 c:	a: 03723 b: 00569 c:	03/12/2001
Raphanus sativus L. var. radicola Pers. a: 1995/0315 b: 1283	a: 00106 b: 00990 c:	a: 03723 b: 00990 c:	03/12/2001
Valerianella locusta L. & V. eriocarpa Desv. a: 1995/0311 b: 3511	a: 00106 b: 00828 c:	a: 03723 b: 00828 c:	03/12/2001
a: 1995/0312 b: 3510	a: 00106 b: 00828 c:	a: 03723 b: 00828 c:	03/12/2001
a: 1995/0313 b: 4238	a: 00106 b: 00828 c:	a: 03723 b: 00828 c:	03/12/2001
a: 1997/1309 b: 7958	a: 00106 b: 00106 c:	a: 03723 b: 00106 c:	03/12/2001
a: 2000/1301 b: 8429	a: 00106 b: 00828 c:	a: 03723 b: 00828 c:	03/12/2001

Capítulo VI: Fin de la protección / Kapitel VI: Sortsbeskyttelsens ophør / Kapitel VI: Beendigung des Schutzes / Κεφάλαιο VI: Αήξη μιας προστασίας / Chapter VI: Termination of protection / Chapitre VI: Cessation de la protection / Capitolo VI: Estinzione della tutela / Hoofdstuk VI: Beëindiging van een kwekersrecht / Capítulo VI: Extinção da protecção / Luku VI: Suojaamisen raukeaminen / Kapitel VI: Upphörande av växtförädlarrätt

Cuadro VI.1: Fin de la protección / Tabel VI.1: Sortsbeskyttelsens ophør / Tabelle VI.1: Beendigung des Schutzes / Πίνακας VI.1: Αήξη μιας προστασίας / Table VI.1: Termination of protection / Table VI.1: Cessation de la protection / Tabella VI.1: Estinzione della tutela / Tabel VI.1: Beëindiging van een kwekersrecht / Quadro VI.1: Extinção da protecção / Taulukko VI.1: Suojaamisen raukeaminen / Tabele VI.1: Upphörande av växtförädlarrätt

1	2	3	4	5
Número de expediente / Sagsnummer / Aktenzeichen / Αριθμός φακέλου / File number / Numéro de dossier / Numero di pratica / Dossiernummer / Número de processo / Rekisterinumero / Ansökningsnummer	a: Titular / Indehaver / Sortenschutzinhaber / Κάτοχος / Holder / Titulaire / Titolare / Houder / Titular / Hakija / Innehavare av växtförädlarrätt b: Representante en el procedimiento / Repräsentant / Verfahrrensvertreter / Αντιπρόσωπος / Procedural representative / Mandataire / Mandatario / Vertegenwoordiger voor de procedure / Representante para fins processuais / Menettelyyn valtuutettu edustaja / Fullmaktsinnehavare	a: Denominación / Betegnelse / Bezeichnung / Ονομασία / Denomination / Dénomination / Denominazione / Benaming / Denominação / Lajinimike / Benämning	Fecha del fin de la protección / Ophørsdato / Datum der Beendigung / Ημερομηνία λήξης μιας προστασίας / Date of termination / Date de la cessation / Data dell'estinzione / Datum van beëindiging / Data da extinção / Suojauksen päättymisen päivämäärä / Utgångsdatum	Código / Kode / Code / Κωδικός / Code / Code / Codice / Code / Código / Koodi / Kod ⁽¹⁾

1	2	3	4	5
Alstroemeria L. 1996/1023	a: 02460 b:	CONDOR	07/12/2001	A
1999/0471	a: 00357 b:	CARAMBA	26/10/2001	A
Begonia-Semper-florens-Hybriden 1998/0789	a: 00078 b: 00003	QUIWIT	08/12/2001	A
1998/0790	a: 00078 b: 00003	QUIRED	08/12/2001	A
1998/0791	a: 00078 b: 00003	QUIPIN	08/12/2001	A
Brassica oleracea L. var. gongylodes L. 1997/1459	a: 00088 b:	OSTE	19/12/2001	A
Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis 1995/2402	a: 00181 b: 02329	KINTORE	29/11/2001	A

⁽¹⁾ A: Renuncia a la protección, B: Expiración de la protección, C: Anulación de la protección, D: Revocación de la protección / A: Afståelse af sortsbeskyttelse, B: Sortsbeskyttelsens ophør, C: Ugyldiggendelse af sortsbeskyttelse, D: Ophævelse af sortsbeskyttelse / A: Inhaberverzicht, B: Erlöschen des Schutzes, C: Nichtigkeitserklärung, D: Aufhebung / A: Εκχώρηση της προστασίας, B: Λήξη της προστασίας, C: Ανάκληση της προστασίας, D: Ακύρωση της προστασίας / A: Surrender of protection, B: Expiry of protection, C: Annulment of protection, D: Cancellation of protection / A: abandon de la protection, B: expiration de la protection, C: révocation de la protection, D: annulation de la protection / A: Rinuncia del titolare della tutela, B: Scadenza della tutela, C: Annullamento della tutela, D: Cancellazione della tutela / A: Afstand van een kwekersrecht, B: Verstryken van een kwekersrecht, C: Nietigverklaring van een kwekersrecht, D: Vervallenverklaring van een kwekersrecht / A: Renúncia à protecção, B: Caducidade da protecção, C: Anulação da protecção, D: Privação da protecção / A: Suojauksesta luopuminen, B: Suojauksen päättyminen, C: Suojauksen kumoaminen, D: Suojauksen peruuttaminen / A: Avstående från växtförädlarrätt, B: Växtförädlarrätten löper ut, C: Växtförädlarrätten ogiltigförklaras, D: Växtförädlarrätten upphör.

1	2	3	4	5
Brassica oleracea L. var. sabauda L. 1996/0015	a: 00909 b:	COLUMBUS	13/11/2001	A
Brassica napus L. 1995/2037	a: 00186 b:	ACROBAT	21/12/2001	A
1995/2039	a: 00186 b:	ARIES	21/12/2001	A
1995/2595	a: 02907 b: 00925	AKAMAR	01/12/2001	A
Calibrachoa 1998/1252	a: 00036 b:	ROSESTAR	11/12/2001	A
Chrysanthemum 1995/2067	a: 00768 b:	SEVERINE	29/11/2001	A
1995/2265	a: 00121 b: 00423	TULSA	20/11/2001	A
1995/2275	a: 00121 b: 00423	ALBANY	21/11/2001	A
1995/2278	a: 00121 b: 00423	YOSOPHIA	15/11/2001	A
1996/0302	a: 00121 b: 00423	YOFELICIA	21/11/2001	A
1997/0490	a: 01607 b:	STAMABSOLU	16/11/2001	A
1997/1018	a: 00301 b:	RED ABOUT TIME	16/11/2001	A
1997/1087	a: 00121 b: 00423	YELLOW MONTEREY	24/11/2001	A
1997/1088	a: 00121 b: 00423	CLARION	13/11/2001	A
1998/0145	a: 00121 b: 00423	YOMESA	24/11/2001	A
1998/0146	a: 00121 b: 00423	YELLOW YOMESA	24/11/2001	A
1998/0901	a: 02851 b:	RAFAEL	27/10/2001	A
1998/1233	a: 00121 b: 00423	YOOGDEN	27/11/2001	A
Cichorium endivia L. 1998/0957	a: 02701 b:	COTILLON	16/11/2001	A
1998/1019	a: 02701 b:	CARDOSA	16/11/2001	A
Cucumis melo L. 1995/2428	a: 00732 b:	LUNASTAR	06/11/2001	A
1995/2429	a: 00732 b:	TOPPER	06/11/2001	A

1	2	3	4	5
1995/2430	a: 00732 b:	CASTELLA	06/11/2001	A
Dahlia Cav. 1998/1388	a: 00249 b: 02851	PROVENCE	04/12/2001	A
1998/1389	a: 00249 b: 02851	BRETAGNE	05/12/2001	A
1998/1390	a: 00249 b: 02851	PICARDIE	04/12/2001	A
1998/1440	a: 00249 b: 02851	BOURGOGNE	05/12/2001	A
Dianthus L. 1995/1145	a: 00036 b:	KLEHERM	16/11/2001	A
Euphorbia milii Des Moul. 1996/0633	a: 01355 b: 00423	PEARL	15/11/2001	A
1996/0634	a: 01355 b: 00423	RUBY	15/11/2001	A
Euphorbia pulcherrima Willd. ex Klotzsch. 1997/1234	a: 00172 b: 00420	BRIGHT RED QUEEN	11/11/2001	A
Ficus benjamina L. 1996/0231	a: 00277 b: 01903	DANIELLE SILVER	29/11/2001	A
Fragaria x ananassa Duch. 1995/1585	a: 00718 b:	MARABELLA	29/12/2001	A
Hemerocallis 1997/0936	a: 01401 b: 00423	EYED STELLA	07/12/2001	A
Hordeum vulgare L. sensu lato 1995/0081	a: 00062 b: 00007	CANASTA	04/12/2001	A
1995/2052	a: 00186 b:	GOLDIE	21/12/2001	A
1997/1056	a: 00186 b:	LINUS	21/12/2001	A
Kalanchoë blossfeldiana v. Poelln 1998/0313	a: 00853 b: 00423	LAURA	13/11/2001	A
Lactuca sativa L. 1995/0647	a: 00088 b:	YETTA	08/11/2001	A
1996/0429	a: 00088 b:	RONALDO	10/10/2001	A
1996/0433	a: 00088 b:	KIMBA	10/10/2001	A

1	2	3	4	5
1996/1183	a: 00088 b:	DARIO	14/12/2001	A
1998/1258	a: 00088 b:	BEYNAC	14/12/2001	A
1998/1259	a: 00088 b:	ATHOS	14/12/2001	A
1998/1547	a: 00088 b:	PRECITA	14/12/2001	A
1998/1562	a: 00245 b: 00438	SUNRISE	08/11/2001	A
Lilium L. 1996/0837	a: 01165 b: 00420	FIRE	12/07/2001	A
Pelargonium L'Hérit. ex Ait. 1995/0053	a: 00012 b:	FISPINK	20/11/2001	A
1995/0056	a: 00012 b:	FLOSCALA	20/11/2001	A
1995/1140	a: 00036 b:	KLESTEN	24/11/2001	A
1996/0743	a: 02851 b:	MERILUNA	23/11/2001	A
1999/0888	a: 00633 b: 00423	DESIGNER WHITE FIRE	23/11/2001	A
1999/0894	a: 00633 b: 00423	BALFANCARD	23/11/2001	A
1999/0895	a: 00633 b: 00423	BALFANSAMI	23/11/2001	A
1999/0896	a: 00633 b: 00423	BALFANFLAM	23/11/2001	A
1999/0897	a: 00633 b: 00423	BALFANCO	23/11/2001	A
1999/0898	a: 00633 b: 00423	BALFANFARO	23/11/2001	A
1999/0899	a: 00633 b: 00423	BALFANPISH	23/11/2001	A
1999/1340	a: 00324 b:	GERPELITE	06/11/2001	A
1999/1341	a: 00324 b:	GERPELPIN	06/11/2001	A
Pelargonium zonale (L.) L'Hérit. ex Ait. 2000/0949	a: 00689/03052/ b: 00827	INTEC GUER	13/12/2001	A
2000/0950	a: 00689/03052/ b: 00827	INTEC GIE	13/12/2001	A
2000/0951	a: 00689/03052/ b: 00827	INTEC GAIL	13/12/2001	A
Pentas Benth. 1997/0783	a: 01772 b: 00423	LILLI	10/11/2001	A

1	2	3	4	5
1997/0784	a: 01772 b: 00423	LOLA	10/11/2001	A
1997/0785	a: 01772 b: 00423	LORE	10/11/2001	A
1997/0786	a: 01772 b: 00423	LILO	10/11/2001	A
1997/0787	a: 01772 b: 00423	LINA	10/11/2001	A
Petunia Juss. 1995/2178	a: 00791 b: 00441	WESKAR	15/12/2001	A
1998/1481	a: 01690/02396/ b:	KERVAN	19/12/2001	A
1998/1482	a: 01690/02396/ b:	KERROS	19/12/2001	A
1998/1489	a: 00164 b: 00423	DANCASVELVET	15/12/2001	A
1999/0708	a: 00036 b:	KLEPURP	24/11/2001	A
1999/1670	a: 02835 b: 00423	ROYAL FROST	08/12/2001	A
Phaseolus vulgaris L. 1995/0682	a: 00031 b:	MASTER	22/11/2001	A
1995/2297	a: 00181 b: 02329	PARIDOR	24/11/2001	A
Raphanus sativus L. var. radicola Pers. 1995/1650	a: 00185 b:	NELSON	01/11/2001	A
1998/1224	a: 00088 b:	FURY	19/12/2001	A
Rosa L. 1995/0887	a: 00163 b: 00562	MEIBICMARJ	15/12/2001	A
1995/0889	a: 00163 b: 00562	MEISINPLOX	15/12/2001	A
1997/0020	a: 00021 b:	SCHREBLANK	18/10/2001	A
1997/0147	a: 00307 b: 00892	OLIJSNAT	18/05/2001	A
1997/1435	a: 00021 b:	SCHAPRAHO	19/12/2001	A
1999/0442	a: 02400 b: 01534	PALERO	23/10/2001	A
1999/0953	a: 00892 b: 00562	MEITILEIGE	19/11/2001	A
1999/0964	a: 03075 b: 00420	GOLDEN EVOLUTION	11/12/2001	A
1999/0985	a: 00892 b: 00562	MEIZURFY	19/11/2001	A

1	2	3	4	5
Saintpaulia H. Wendl. 1995/2173	a: 00193 b: 00423	VERA	30/11/2001	A
1995/2174	a: 00193 b: 00423	IRENE	30/11/2001	A
1995/2175	a: 00193 b: 00423	KATINKA	30/11/2001	A
1997/1029	a: 00193 b:	MBEIZA	04/12/2001	A
1997/1030	a: 00193 b:	BALUNGI	04/12/2001	A
1997/1032	a: 00193 b:	MILOU	04/12/2001	A
Secale cereale L. 1996/0929	a: 00038 b:	FARINO	25/12/2001	A
Solanum tuberosum L. 1995/1976	a: 00214 b: 00808	PONDIBELLE	25/12/2001	A
1995/2417	a: 00571 b: 00035	LAICA	01/12/2001	A
1996/0020	a: 00451 b:	IMPERIA	17/11/2001	A
1996/0021	a: 00451 b:	GLOBE	17/11/2001	A
1996/0842	a: 00315 b:	RASANT	04/12/2001	A
Triticum aestivum L. emend. Fiori et Paol. 1995/0326	a: 00083 b: 00427	REAPER	22/11/2001	A
1995/1009	a: 00038 b:	ATHLET	25/12/2001	A
1995/1023	a: 03039 b:	SKIRLOU	29/11/2001	A
1996/0294	a: 00186 b:	HUGIN	21/12/2001	A
1997/0017	a: 01576 b:	JACADI	21/12/2001	A
1999/0322	a: 00083 b: 00427	ECLIPSE	22/11/2001	A
X Triticosecale W. 1996/0960	a: 00652 b: 02232	PINOKIO	31/12/2001	A
1998/0719	a: 00786 b:	DONATUS	13/12/2001	A
Tulipa L. 1995/2829	a: 00236 b:	PRINCESS VIVI	30/10/2001	A

1	2	3	4	5
1995/2841	a: 00236 b:	UP WHITE	30/10/2001	A
1998/0811	a: 00236 b:	ROYAL MASTER	11/12/2001	A
1998/1025	a: 00236 b:	LILYNITA	11/12/2001	A
1998/1029	a: 00236 b:	LILYLISTO	11/12/2001	A
1998/1042	a: 00236 b:	ROYAL VIVI	11/12/2001	A
1998/1055	a: 00236 b:	ROYAL CANDY	11/12/2001	A
1998/1056	a: 00236 b:	ROYAL WONDER	11/12/2001	A
1998/1760	a: 00236 b:	LILYBER	11/12/2001	A
Verbena L. 1998/0456	a: 00401 b: 01373	FREEBIE LAV	10/11/2001	A
1998/0457	a: 00401 b: 01373	FREEBIE DEEP PURPLE	10/11/2001	A
1998/0458	a: 00401 b: 01373	FREEBIE BURGUNDY	10/11/2001	A
1998/0462	a: 00401 b: 01373	TORT HOT PINK	10/11/2001	A
Zea mays L. 1995/3056	a: 03570 b: 02116	1046	27/11/2001	A
1996/1372	a: 03602 b: 02116	CGS 4NM01	14/11/2001	A
1998/0858	a: 03570 b: 02116	FAAX701	05/12/2001	A

Capítulo VIII: Derechos de explotación contractuales / Kapitel VIII: Eksklusiv licens / Kapitel VIII: Vertragliche Nutzungsrechte / Κεφάλαιο VIII: Συμβατικά δικαιώματα εκμεταλλεύσεως / Chapter VIII: Contractual exploitation rights / Chapitre VIII: Droit d'exploitation contractuels / Capitolo VIII: Licenze contrattuali / Hoofdstuk VIII: Contractuele licenties / Capítulo VIII: Direitos de exploração contratual / VIII luku: Sopimukseen perustuvat käyttöoikeudet / Kapitel VIII: Avtalade licenser

Cuadro VIII.1: Derechos de explotación contractuales / Oversigt VIII.1: Eksklusiv licens / Tabelle VIII.1: Vertragliche Nutzungsrechte / Πίνακας VIII.1: Συμβατικά δικαιώματα εκμεταλλεύσεως / Table VIII.1: Contractual exploitation rights / Tableau VIII.1: Droits d'exploitation contractuels / Tabella VIII.1: Licenze contrattuali / Tabel VIII.1: Contractuele licenties / Quadro VIII.1: Direitos de exploração contratual / Taulukko VIII.1: Sopimukseen perustuvat käyttöoikeudet / Tabell VIII.1: Avtalade licenser

1	2
a: Especie / Sort / Art / Είδη / Species / Espèce / Specie / Ras / Espécies / Lajit / Arter	a: Nombre y dirección de las partes del procedimiento / Navn og adresse på sagens parter / Name und Anschrift der Verfahrensbeteiligten / Ονοματεπώνυμο και διεύθυνση των διαδίκων / Name & address of parties to proceedings / Nom et adresse des parties de la procédure / Nome e indirizzo delle parti della procedura / Naam en adres van de partijen in de procedure / Nome e endereço das partes no processo / Osapuolten nimet ja osoitteet / Namn och adress till parterna i förhandlingarna
b: Número de expediente / Sagsnummer / Dossiernummer / Αριθμός φακέλου / File Number / Numéro de dossier / Numero di pratica / Dossiernummer / N.º do pedido / Tiedosto n:o / Aktnummer	b: Titular / Indehaver / Sortenschutzinhaber / Κάτοχος / Holder / Titulaire / Titolare / Houder / Titular / Hakija / Innehavare av växtförädlarrätt
c: Denominación / Sortsbetegnelse / Bezeichnung / Ονομασία / Denomination / Dénomination / Denominazione / Benaming / Denominação / Nimitys / Sortbenämning	c: Licenciatiario / Licenstagar / Lizenzinhaber / Αιτών / Licensee / Détenteur de licence / Titolare della licenza / Licentiehouders / Entidade a quem é concedida a licença / Lisenssin haltija / Licensinnehavare

1	2	1	2
A: Solanum tuberosum	A: 00456	A: Solanum tuberosum	A: 00108
B: 1995/1013	B: 00344	B: 1995/1051	B: 00344
C: VINETA		C: HELENA	
A: Solanum tuberosum	A: 00109	A: Solanum tuberosum	A: 00108
B: 1995/1016	B: 00344	B: 1995/1052	B: 00344
C: FILEA		C: MARABEL	
A: Solanum tuberosum	A: 00109	A: Solanum tuberosum	A: 00108
B: 1995/1017	B: 00344	B: 1995/1053	B: 00344
C: TOMENSA		C: AFRA	
A: Solanum tuberosum	A: 00109	A: Solanum tuberosum	A: 00108
B: 1995/1018	B: 00344	B: 1995/1054	B: 00344
C: LEYLA		C: CALLA	
A: Solanum tuberosum	A: 00109	A: Solanum tuberosum	A: 00108
B: 1995/1019	B: 00344	B: 1995/1055	B: 00344
C: TOMBA		C: QUINTA	
A: Solanum tuberosum	A: 00109	A: Solanum tuberosum	A: 00108
B: 1995/1020	B: 00344	B: 1995/1117	B: 00344
C: MIRIAM		C: BOLESTA	
A: Solanum tuberosum	A: 00109	A: Solanum tuberosum	A: 00109
B: 1995/1046	B: 00344	B: 1996/1445	B: 00344
C: SOLARA		C: PIA	
A: Solanum tuberosum	A: 00108	A: Solanum tuberosum	A: 00108
B: 1995/1047	B: 00344	B: 1998/0361	B: 00344
C: ROSELLA		C: BOLERO	
A: Solanum tuberosum	A: 00108	A: Solanum tuberosum	A: 00108
B: 1995/1048	B: 00344	B: 1998/0362	B: 00344
C: COLETTE		C: CAMILLA	
A: Solanum tuberosum	A: 00108	A: Solanum tuberosum	A: 00108
B: 1995/1049	B: 00344	B: 1998/0363	B: 00344
C: MARENA		C: LAURA	

1	2	1	2
A: Solanum tuberosum B: 1998/0364 C: AMPERA	A: 00456 B: 00344	A: Solanum tuberosum B: 2001/0072 C: OKTAN	A: 00109 B: 00344
A: Solanum tuberosum B: 1998/0844 C: EMILIA	A: 00108 B: 00344	A: Solanum tuberosum B: 2001/0248 C: CLARISSA	A: 00456 B: 00344
A: Solanum tuberosum B: 1998/1696 C: VITARA	A: 00109 B: 00344	A: Solanum tuberosum B: 2001/0696 C: ELDENA	A: 00456 B: 00344
A: Solanum tuberosum B: 1999/0464 C: GUNDA	A: 00456 B: 00344	A: Solanum tuberosum B: 2001/0697 C: PRESTO	A: 00456 B: 00344
A: Solanum tuberosum B: 1999/0466 C: GOLDIKA	A: 00109 B: 00344	A: Solanum tuberosum B: 2001/0698 C: CONSTANZA	A: 00456 B: 00344
A: Solanum tuberosum B: 1999/0845 C: ROMULA	A: 00108 B: 00344	A: Solanum tuberosum B: 2001/0699 C: FINKA	A: 00108 B: 00344
A: Solanum tuberosum B: 2000/0546 C: NORA	A: 00108 B: 00344	A: Solanum tuberosum B: 2001/0700 C: ESPRIT	A: 00456 B: 00344
A: Solanum tuberosum B: 2000/0547 C: ANGELA	A: 00108 B: 00344	A: Solanum tuberosum B: 2001/0840 C: THERESA	A: 00109 B: 00344
A: Solanum tuberosum B: 2000/0882 C: BELANA	A: 00456 B: 00344		

**Capítulo X: Correcciones / Kapitel X: Berichtigelser / Kapitel X: Berichtigungen / Κεφάλαιο X: Διορθωτικά /
Chapter X: Corrigendum / Chapitre X: Corrections / Capitolo X: Correzione / Hoofdstuk X: Verbeteringen /
Capítulo X: Correção / Luku X: Oikaisut / Kapitel X: Rättelser**

1	2	3	4	5
Número de expediente, especie / Sagsnummer, sort / Aktenzeichen, Art / Αριθμός φακέλου, είδη / File number, Species / Numéro de dossier, espèce / Numero di pratica, specie / Dossiernummer, soort / Número de processo, espécie / Re-kisternumero, laji / Ansökningsnummer, sort	Boletín Oficial / Officielle Tidende / Amtsblatt / Επίσημη Εφημερίδα / Official Gazette / Bulletin officiel / Bollettino ufficiale / Mededelingenblad / Gazeta Oficial / Virallinen lehti / Officiell tidskrift	Página / Side / Seite / Σελίδα / Page / Page / Pagina / Bladzijde / Página / Sivu / Sida	Primera versión / Forrige version / Vorherige Fassung / Αρχειοθέτηση / Previous version / Première version / Prima versione / Eerste versie / Primeira versão / Edellinen versio / Föregående version	Versión corregida / Korrigeret version / Berichtigte Fassung / Διορθωμένη ονομασία / Corrected version / Version corrigée / Versione corretta / Verbeterde versie / Versão corrigida / Oikaistu versio / Rättad version

1	2	3	4	5
1998/1421 Caryopteris x clandonensis N.W. Simmonds ex Rehd.	5/2001	P. 51	a: 02373 b: 02373 c: 03316	a: 02373 b: 02373 c: 03325
2001/1505 Clematis L.	6/2001	P. 14	a: 02218 b: 02219 c: –	a: 03305 b: 02219 c: –
2001/0876 Gladiolus L.	5/2001	P. 16	a: 2001/0876 b: – c: –	Application should not have been published
2001/0877 Gladiolus L.	5/2001	P. 16	a: 2001/0877 b: – c: –	Application should not have been published
1999/1481 Helianthus	S/2001	–	Missing in Part I Grants of protection	Right still in force
1999/1812 Hordeum vulgare L. sensu lato	1/2001	–	Missing in Chapter 2 Denominations	Denomination should have been published : KIKa
1996/0028 Prunus Persica (L.) Batch	1/2000	P. 53	Granting date: 05/07/2009	Granting date: 05/07/1999
2001/0665 Ribes nigrum L.	4/2001	P. 20	scri S13/16/45	scri S12/16/45
1999/0683 Rosa L.	4/1999	P. 21 P. 31	a: 00091 b: 00091 c: 00477	a: 02088 b: 02088 c: 00477
2001/1176 Rosa L.	5/2001	P. 20 P. 35	a: 01366 b: 01366/01367/ 01368 c: 00421	a: 00709 b: 01366/01367/ 01368 c: 00421
1998/1861 Saintpaulia H. Wendl.	1/2000	–	Missing in Chapter I	Application should have been published
2001/0699 Solanum tuberosum L.	3/2001 5/2001	P. 22 P. 35	a: 00456 b: 03315/03418 c: –	a: 00108 b: 03315/03418 c: –

PARTE B / DEL B / TEIL B / ΜΕΡΟΣ Β / PART B / PARTIE B / PARTE B / DEEL B / PARTE B / OSA B / DEL A

1.

Anuncio n° 1/2002 de la Oficina Comunitaria de Variedades Vegetales

Directrices para la realización de las pruebas adoptadas por el Consejo de Administración de la Oficina Comunitaria de Variedades Vegetales:

EF-Sortsmyndighedens meddelelse nr. 1/2002

Vejledende principper for afprøvning vedtaget af EF-Sortsmyndighedens administrationsråd:

Bekanntmachung Nr. 1/2002 des Gemeinschaftlichen Sortenamts

Vom Verwaltungsrat des Gemeinschaftlichen Sortenamtes verabschiedete Prüfungsrichtlinien:

Ανακοίνωση αριθ. 1/2002 του Κοινοτικού Γραφείου Φυτικών Ποικιλιών

Κατευθυντήριες αρχές για την τεχνική εξέταση, που εγκρίθηκαν από το διοικητικό συμβούλιο του Κοινοτικού Γραφείου Φυτικών Ποικιλιών:

Announcement No 1/2002 of the Community Plant Variety Office

Test guidelines adopted by the Administrative Council of the Community Plant Variety Office:

Avis N° 1/2002 de l'Office communautaire des variétés végétales

Principes directeurs pour l'examen technique adoptés par le Conseil d'Administration de l'Office communautaire des variétés végétales:

Anuncio n. 1/2002 dell'Ufficio comunitario delle varietà vegetali

Linee direttrici per l'esame tecnico adottate dal consiglio di amministrazione dell'Ufficio comunitario delle varietà vegetali:

Aankondiging nr. 1/2002 van het Communautair bureau voor plantenrassen

Richtlijnen voor technisch onderzoek die aanvaard zijn door de raad van bestuur van het Communautair Bureau voor Plantenrassen:

Aviso n°. 1/2002 do Instituto Comunitário das variedades vegetais

Orientações sobre os exames técnicos adoptados pelo Conselho de Administração do Instituto Comunitário das Variedades Vegetais:

Yhteisön kasvilajikeviraston ilmoitus 1/2002

Yhteisön kasvilajikeviraston hallintoneuvoston hyväksymät testauksen suuntaviivat:

Meddelande nr 1/2002 från gemenskapens växtsortsmyndighet

Prövningsinstruktioner antagna av Växtsortsmyndighetens förvaltningsråd:

Allium porrum L.	CPVO-TP/85/1
Beta vulgaris L. ssp. vulgaris var. altissima Döll	CPVO-TP/Sugarbeet/1
Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis L.	CPVO-TP/45/1
Brassica oleracea L. convar. capitata (L.) Alef.	CPVO-TP/48/1
Lactuca sativa L.	CPVO-TP/13/1
Lycopersicon lycopersicum (L.) Karsten ex. Farw.	CPVO-TP/44/2
Phaseolus vulgaris L.	CPVO-TP/12/1
Zea mays L.	CPVO-TP/2/2

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Allium porrum L.

LEEK

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/2 and UPOV Guideline TG/85/6 dated 24th March 1999 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to varieties of *Allium porrum* L.

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. PLANT MATERIAL REQUIREMENTS

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant in one or more samples¹ (the figures in brackets correspond to a split sample, with an initial delivery for the realisation of the DUS test, and a subsequent – greater – submission after completion of this, for variety collection purposes).

¹ Subject to feasibility study.

	Request of examination	Plant material	Seed requirements
FRANCE	s*) 01/01	s*) 01/02	s*) 13,000 seeds (3,000 + 10,000) ¹ v*) 75 plants
GERMANY	s*) 15/01	s*) 15/02	s*) 13,000 seeds (3,000 + 10,000) ¹ v*) 75 plants
NAKTuinbouw (NL)	s*) 01/02	s*) 01/02	s*) 13,000 seeds (3,000 + 10,000) ¹ v*) 75 plants
RvhK (NL)	s*) 15/01 v*) 15/08	s*) 15/02 v*) 31/08	s*) 13,000 seeds (3,000 + 10,000) ¹ v*) 75 plants
SPAIN	s*) 01/11	s*) 01/12	s*) 13,000 seeds (3,000 + 10,000) ¹ v*) 75 plants
UNITED KINGDOM	s*) 01/01	s*) 01/02	s*) 13,000 seeds (3,000 + 10,000) ¹ v*) 75 plants

v*) vegetatively propagated varieties

s*) seed propagated varieties

Quality of seed:..... Should not be less than the standards laid down for certified seed in Annex 2 of EC Directive 70/458.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:..... –

Labelling of sample:..... – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of the CPVO".
– In the case of a split sample, the quantity of seed being submitted¹.

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a reference collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

¹ Subject to feasibility study.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts should be made to co-ordinate the work with other offices involved in DUS-testing of leek. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following (CPVO numbering!):

- a) Plant: length (characteristic 2)
- b) Leaf blade: colour (characteristic 7)
- c) Shaft: length (characteristic 12)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. For vegetatively propagated varieties, the duration of the testing may be reduced to one growing cycle if the results on distinctness and uniformity are conclusive. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum, each test should include a total of 200 single spaced plants for seed propagated varieties and 60 plants for vegetatively propagated varieties, which should be divided between two replicates.

All observations determined by measurement or counting should be made on 60 plants or parts of 60 plants.

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

B) UNIFORMITY

For the assessment of uniformity of open pollinated and hybrid varieties relative uniformity standards should be applied. For the assessment of vegetatively propagated varieties, a population standard of 1% with an acceptance probability of at least 95% should be applied.

For vegetatively propagated varieties, candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below:

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
≤ 5	0
6-35	1
36-82	2
83-137	3

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report and final report shall be sent by the Examination Office to the CPVO.

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ANNEX 1

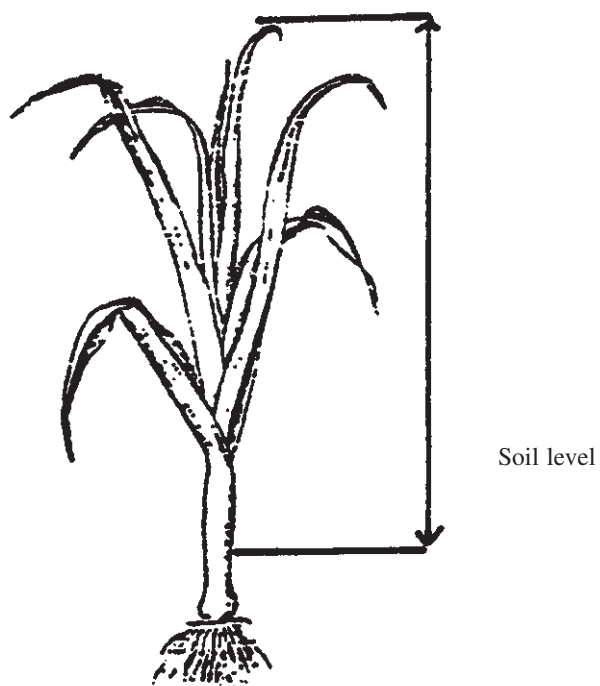
TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

CPVO N°	UPOV N°	Characteristics	Examples	Note
1 (+)	1 (+)	Plant: height	short	D'Hiver de Saint Victor 3
			medium	Bleu de Solaise 5
			tall	Hafnia, Long géant du Verdet 7
2 (+)	2 (+)	Plant: length	short	De Carentan 3
			medium	Bleu de Solaise, Jaune gros du Poitou 5
			long	Kong Richard, Rese, Titan 7
3 (+)	3 (+)	Plant: density of leaves	loose	3
			medium	Parton 5
			dense	7
4 (+)	4 (+)	Foliage: attitude	erect	Rese 1
			semi-erect	3
			horizontal	Jaune gros du Poitou 5
5 (+)	5 (+)	Leaf blade: length of longest blade	short	Conora, D'Elbeuf, Kalmar 3
			medium	Carlton, Porridor, Rese 5
			long	Arial, Kong Richard, Maxim 7
6	6	Leaf blade: width	narrow	Rustic 3
			medium	De Liège 5
			broad	Jaune gros du Poitou, Rese 7
7	7	Leaf blade: colour	yellow-green	Jaune gros du Poitou 1
			green	Premier 2
			grey-green	Zwitserse Reuzen 3
			blue-green	Libertas, Olaf, Porridor 4
8	8	Leaf blade: intensity of colour	light	Gros long d'été 2, Rese 3
			medium	D'Hiver de Saint Victor 5
			dark	7
9	9	Leaf blade: anthocyanin coloration	absent or very weak	Jaune gros du Poitou 1
			weak	Azur 3
			medium	5
			strong	Nepal 7
			very strong	D'Hiver de Saint Victor 9
10	10	Leaf blade: waxiness	absent or very weak	Jaune gros du Poitou 1
			weak	Gros long d'été 2, Rese 3
			medium	D'Elbeuf 5
			strong	Bleu de Solaise 7
			very strong	9
11	11	Leaf blade: grooving	absent	Franse Zomer 1
			present	D'Hiver de Saint Victor 9
12 (+)	12 (+)	Shaft: length	very short	1
			short	Bleu de Solaise, D'Hiver de Saint Victor 3
			medium	Gros long d'été 2 5
			long	Maxim 7
			very long	Kong Richard 9
13	13	Shaft: diameter	very small	1
			small	Titan 3
			medium	Géant précoce 5
			large	Premier 7
			very large	Jaune gros du Poitou 9
14	14	Shaft: ratio length/diameter	small	D'Hiver de Saint Victor 3
			medium	5
			large	Bulgaarse Reuzen 7

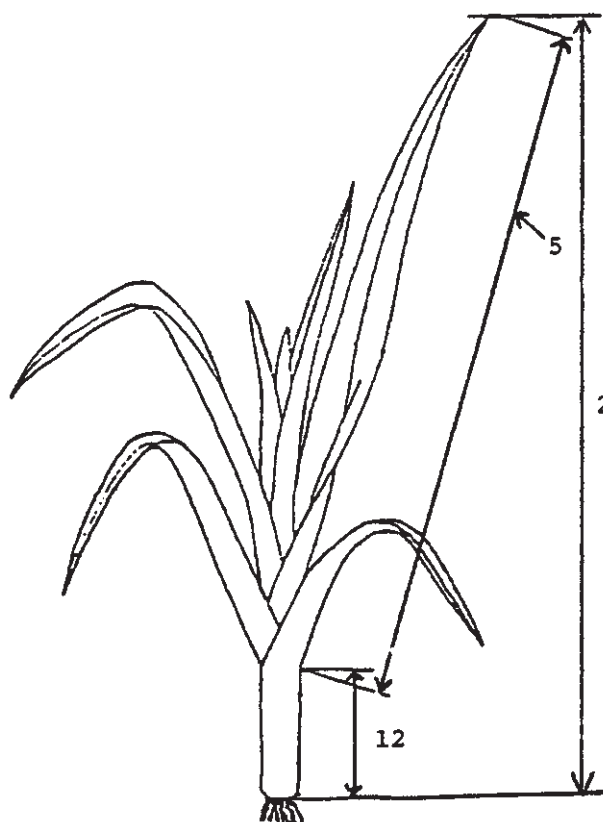
CPVO N°	UPOV N°	Characteristics	Examples	Note
15	15	Shaft: bulb formation	absent or very weak	1
			weak	3
			medium	5
			strong	7
			very strong	9
16 (+)	16 (+)	Shaft: narrowing towards base	absent	1
			present	9
17	18	For vegetatively propagated varieties only: Flower: male sterility	absent	1
			present	9

ANNEX 2
EXPLANATIONS AND METHODS

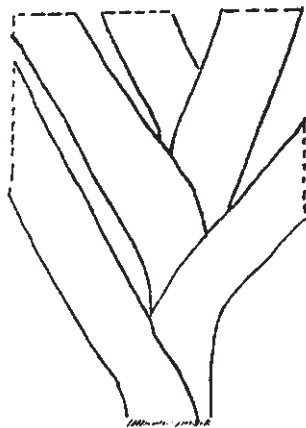
Ad. 1: Plant: height



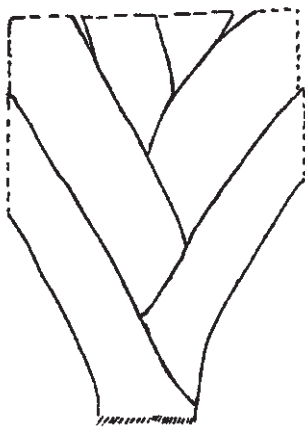
Ad. 2, 5 and 12: Plant: length (2), Leaf blade: length of longest blade (5) and Shaft: length (12)



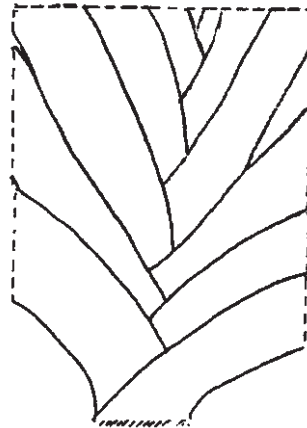
Ad. 3: Plant: density of leaves



3
loose

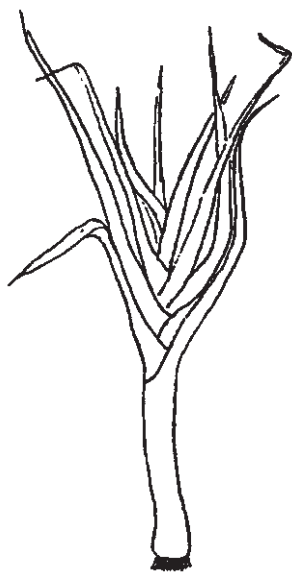


5
medium

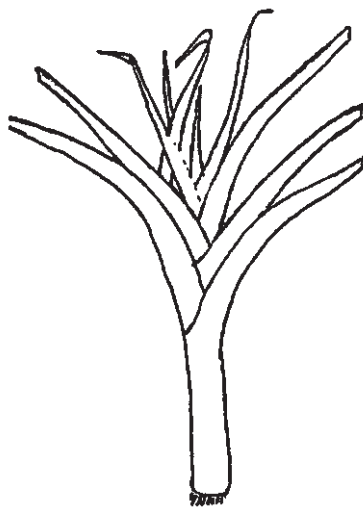


7
dense

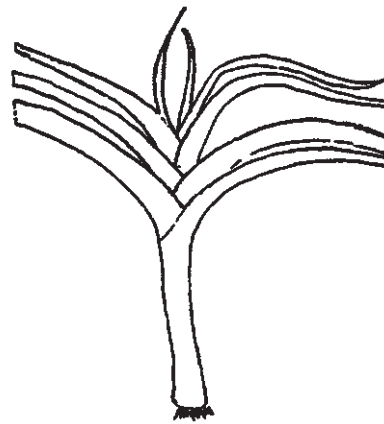
Ad. 4: Foliage: attitude



1
erect

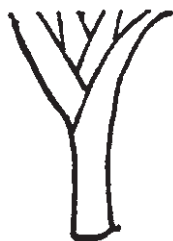


3
semi-erect



5
horizontal

Ad. 16: Shaft: narrowing towards base



1
absent



9
present

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Beta vulgaris L. ssp. vulgaris var. altissima Döll

SUGARBEET COMPONENTS

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on the general UPOV Document TG/1/2 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to all varieties of *Beta vulgaris L. ssp. vulgaris var. altissima Döll.* with the exception of commercial hybrids.

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and the Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. SEED REQUIREMENTS

Final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant:

Examination Office	Request of examination	Technical Questionnaire	Plant material	Seed requirements
SUK -SWEDEN	01/02	01/02	15/02	1 kg. This quantity is calculated for a TSW of 10 g. A different TSW has to be considered accordingly. The minimum germination capacity is 80%

Quality of seed:..... The minimum requirements for analytical purity should not be less than the standards laid down in Annex 1 of EC Directive 66/400.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:..... –

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of the CPVO".

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in the Examination Office depends on the ecological conditions in which the Examination Office is located.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Office to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material the Examination Office must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate the work with other offices involved in DUS-testing of sugarbeet components. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present

problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The character used for grouping is the following:

Ploidy (characteristic 2)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

All observations determined by measurement or counting should be made on at least 60 plants or parts of 60 plants divided on and taken from 2 or 3 replications.

TEST LAYOUT	
Plot length	8 meters
Number of rows	3-6
Spacing	50 cm between rows
Distance between plants in rows	20-25 cm
Replications	2-3
Plot	direct drilling
Minimum n° of plants available in the plots for the assessment of D, U and S	100 plants

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

Qualitative characters:

In the case of characteristics which show discrete discontinuous states of expression the difference between two varieties is clear if one or more of the respective characteristics have expressions which fall into two different states.

Quantitative characteristics:

Characteristics which show a continuous range of expression from one extreme to the other may be either measured or visually observed.

In the case of visually observed characteristics, a difference between two varieties is clear if the expression of the respective characteristics differs by at least the span of one note, taking into account the variability observed within the varieties.

If distinctness is assessed using the t-test least significant difference the difference between two varieties is clear if it occurs with the same sign at the 1% significance level or less ($p \leq 0.01$) in two consecutive or two out of three growing cycles.

If distinctness is assessed by the combined over years distinctness analysis (COYD) the difference between two varieties is clear if the respective characteristics are different at the 1% significance level or less ($p \leq 0.01$) in a test over either two or three years.

If the significance level or statistical methods proposed are not appropriate the method used should be clearly described.

B) UNIFORMITY

A candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below on the basis of a population standard of 2% with an acceptance probability of 95%.

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
100-131	5
132-165	6
166-200	7
201-236	8
237-273	9
274-310	10
311-348	11
349-386	12

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing cycles but in some cases three growing cycles may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report and final report shall be sent by the Examination Office to the CPVO.

ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

Stage (¹)		Characteristics	Examples	Note
1. (+)	10-11 C	Germity: percentage of monogerm seeds		
		monogerm	MS147	1
		partly monogerm/partly multigerm		2
		multigerm	KW919	3
2. G (+)	10-11 C	Ploidy		
		diploid	MS147	2
		tetraploid	M99202	4
3. (+)	10-11 C	Seedling: Percentage of seedlings with anthocyanin coloration of hypocotyl		
		0-19%	MS147	1
		20-39%		2
		40-59%	MS146	3
		60-79%		4
		80-100%	MS99202	5
4. (+)	35-39 VG	Leaf: attitude		
		erect		1
		semi-erect		3
		intermediate	MS146	5
		semi-prostrate		7
		prostrate		9
5.	35-39 VG	Leaf blade: green colour		
		light		3
		medium	F99202	5
		dark		7
6	40-45 VG	Leaf blade: undulation of margin		
		weak	MS111	3
		medium	KWS904	5
		strong	MS144	7
7.	40-45 VG	Leaf blade: glossiness		
		weak	MS121	3
		medium	KWS903	5
		strong	F99202	7
8.	40-45 VG	Leaf blade: blistering		
		weak	F99203	3
		medium	KWS915	5
		strong		7
9.	40-45 MG	Plant: height		
		short	MS152	3
		medium		5
		tall	POLL132	7
10. (+)	40-45 MS	Leaf blade: length		
		short	MS152	3
		medium	MS151	5
		long	POLL132	7
11. (+)	40-45 MS	Leaf blade: width		
		narrow	MS152	3
		medium	POLL131	5
		broad	POLL132	7
12. (+)	40-45 MS	Leaf blade: width compared to length		
		narrow	MS111	3
		medium	F99202	5
		broad	Stru2901	7

Stage ⁽¹⁾		Characteristics	Examples	Note
13. (+)	40-45 MS	Petiole: length		
		short	MS152	3
		medium	KW919	5
		long	POLL132	7
14. (+)	40-45 MS	Petiole: width		
		narrow	F99203	3
		medium	POLL131	5
		broad		7
15. (+)	49 MS	Root: position in soil		
		low	KW905	3
		medium	MS161	5
		high		7
16. (+)	49 MS	Root: length		
		short	MS121	3
		medium	F99203	5
		long	D1019VH007C	7
17. (+)	49 MS	Root: width		
		narrow	F99203	3
		medium	POLL132	5
		broad	M99202	7
18. (+)	49 MS	Root: width compared to length		
		narrow	F99203	3
		medium	MS147	5
		broad	KW903	7

Legend:

(+) See Explanations hereunder in “explanations and methods”

⁽¹⁾ The stages of development denoted by each number are described in Annex 1

The method of assessment is indicated by letters as follows:

MG = Measurement of a group of plants or plant parts

MS = Measurement of a number of individual plants or plant parts

VG = Visual assessment by a single observation of a group of plants or plant parts

C = Special test

ANNEX 2

EXPLANATIONS AND METHODS

Ad 1: *Germity: percentage of monogerm seeds*

3 × 100 seeds from the submitted sample to be grown under ISTA-rules.

Preparation of the seeds for assessment of germity: Prewash seeds for 2 h, dry the seeds for 4 h at max. 25°C, put 100 seeds in pleated paper with 50 folds placed in plastic tray, put 2 seeds per fold, make 3 replications of 100 seeds, add 40 ml of deionised water, put the plastic tray in 20°C for 7 days, assure daylength of 12 h.

Assessment by counting the number of monogerm seeds per 100 seeds. The assessment has to be done very carefully in order to avoid typical errors, e.g. assessing not germinated seeds of a multigerm as monogerm or counting twins in monogerm as multigerm.

The attribution of notes for state of expressions is as follows:

Note 1 = monogerm with equal or more than 95% of monogerm seeds

Note 2 = partly monogerm/partly multigerm with less then 95% and more then 15% monogerm seeds

Note 3 = multigerm with equal or less than 15% monogerm seeds

Distinctness is achieved with two notes difference.

Ad 2: *Ploidy*

Ploidy should be assessed by cytological observation of 100 plants.

A candidate will be considered as sufficiently uniform if the number of off-types does not exceed 5 in 100 plants (population standard 2%, acceptance probability 95%).

Ad 3: *Seedling: Percentage of seedlings with anthocyanin coloration of hypocotyl*

Growing of 3 × 100 seeds from the submitted sample under ISTA rules.

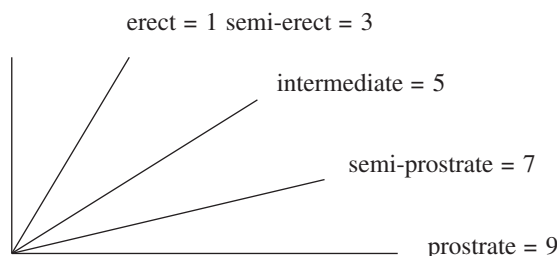
Preparation of the seeds for assessment of anthocyanin coloration of hypocotyl:

Put 100 seeds in pleated paper with 50 folds placed in plastic tray, put 2 seeds per fold, make 3 replications of 100 seeds, add 40 ml of deionised water, put the plastic tray in 20°C for 7 days, assure daylength of 12 h.

Assessment by counting the number of seedlings with anthocyanin coloration of hypocotyl. Distinctness assessed on the % value, achieved when difference is ≥ 40% between varieties.

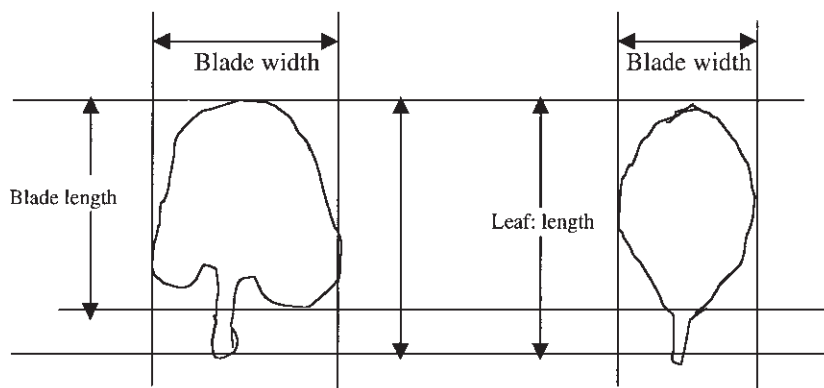
Ad 4: *Leaf: attitude*

The leaf attitude should be visually assessed from the angle formed by the average attitude of the petioles and the vertical axis through the root.



Ad 10 + 11 + 13: *Leaf blade: length and width; Petiole: length*

Use leaves from the 2. row from the bottom of the root.



Ad 12: *Leaf blade: width compared to length*

Leaf blade: width compared to length has to be calculated as the ratio width:length.

Ad 13: *Petiole: length*

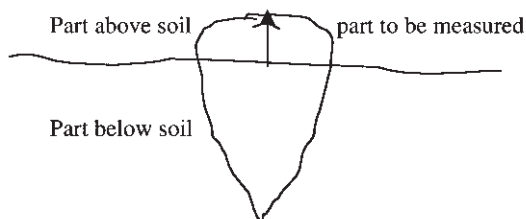
Petiole length has to be calculated as the difference of measured leaf length (including petiole) and leaf blade length.

Ad 14: *Petiole: width*

The measurement should be taken ca. 3 cm above the base of the petiole.

Ad 15: *Root: position in soil*

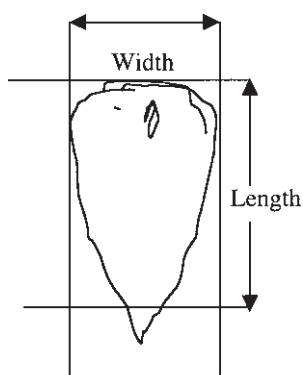
Measurement of the part of the root which exceeds the soil when harvesting single plants.



Ad 16 + 17: *Root: length and width*

Length: To measure between the root tip at 2 cm diameter and the base of the green petioles.

Width: To measure at the broadest extension of the root, parallel to the top cut.



Ad 18: *Root: width compared to length*

Root width compared to length has to be calculated as the ratio width : length.

**PHENOLOGICAL GROWTH STAGES
ACCORDING TO THE BBCH-IDENTIFICATION KEYS OF BEET**

00	Dry seed
10-11	Leaf development (youth stage), Seedling
35-39	Rosette growth: leaves cover 50%-90% of ground
40-45	Development of harvestable vegetative plant parts – Beet root
49	Beet root has reached harvestable size

Uwe Meier, 1997: Growth Stages of Mono- and Dicotyledonous Plants. Federal Biological Research Center for Agriculture and Forestry (Editor)

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Brassica oleracea L. **convar.** *botrytis* (L.)

Alef. var. botrytis L.

CAULIFLOWER

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/2 and UPOV Guideline TG 45/6 dated 20/10/1995 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to varieties of *Brassica oleracea* L. **convar.** *botrytis* (L.) *Alef. var. botrytis* L.

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. SEED REQUIREMENTS

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant in one or more samples¹ (the figures in brackets correspond to a split sample, with an initial delivery for the realisation of the DUS test, and a subsequent – greater – submission after completion of this, for variety collection purposes).

¹ Subject to feasibility study.

	Request of examination	Plant material	Seed requirements
FRANCE	01/05	01/06	10,000 seeds (2,000 + 8,000) ¹
GERMANY	01/01	01/02	5,000 seeds (1,000 + 4,000) ¹
NAKTuinbouw (NL)	open	open	5,000 seeds (1,000 + 4,000) ¹
RvhK (NL)	15/01 open*	15/02 open*	5,000 seeds (1,000 + 4,000) ¹ 75 plants*
SPAIN	01/03	01/04	10,000 seeds (2,000 + 8,000) ¹

*) vegetatively propagated varieties

Quality of seed:..... Should not be less than the standards laid down for certified seed in Annex 2 of EC Directive 70/458.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:..... –

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of the CPVO".
– In the case of a split sample, the quantity of seed being submitted¹.

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

¹ Subject to feasibility study.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate the work with other Offices involved in DUS testing of cauliflower. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in the Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following:

- a) Seedling: anthocyanin coloration of hypocotyl (characteristic 1)
- b) Curd: color (characteristic 23)
- c) Flower: color (characteristic 27)
- d) Earliness in specific growing season (50% at harvest maturity) (characteristic 28)
- e) Male sterility (characteristic 29)
- f) Growing season

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. For vegetatively propagated varieties, the duration of the testing may be reduced to one growing cycle if the results on distinctness and uniformity are conclusive. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum, each test should include a total of 60 plants, divided between two replicates.

All observations determined by measurement or counting should be made on 40 plants or parts of 40 plants.

6. SPECIAL TESTS

In accordance with Article 83(3) of Council Regulation No. 2100/94 an applicant may claim either in the Technical Questionnaire or during the test that a candidate has a characteristic which would be helpful in establishing

distinctness. If such a claim is made and is supported by reliable technical data, a special test may be undertaken providing that a technically acceptable test procedure can be devised.

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

B) UNIFORMITY

For the assessment of uniformity of open pollinated and hybrid varieties (excluding inbred plants) relative uniformity standards should be applied.

For the assessment of vegetatively propagated varieties, a population standard of 1% with an acceptance probability of at least 95% should be applied.

For vegetatively propagated varieties a candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below:

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
5	0
6-35	1
36-82	2
83-137	3

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report as well as the final report shall be sent by the Examination Office to the CPVO.

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ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

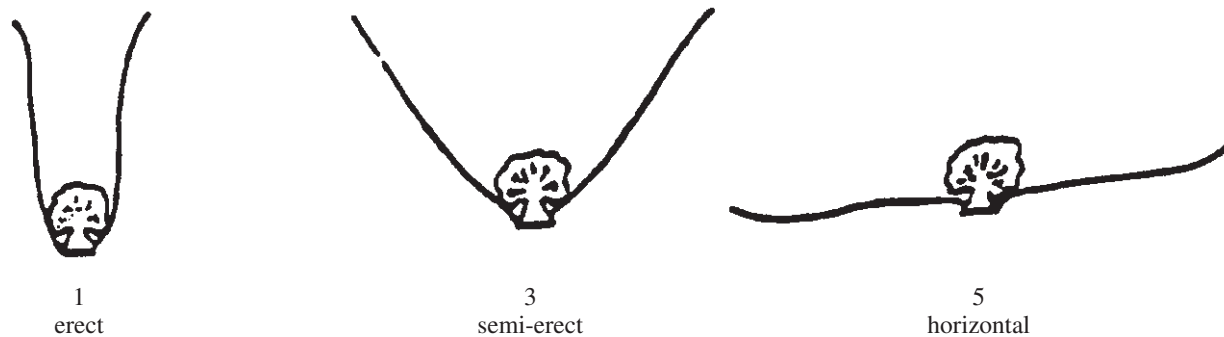
Characteristics		Examples	Note
1. Seedling: anthocyanin coloration of hypocotyl	absent	Brio, Calypso	1
	present	Delira, Dominant	9
2. Plant: height (at time of harvest)	very short	Kopod	1
	short	Opaal	3
	medium	Fastman, Labrador	5
	tall	Delira, Exponent	7
	very tall	Paradiso	9
3. Outer stem: length (up to insertion of first leaf)	short	Dagan, Opaal	3
	medium	Fanch, St. Gwithian	5
	long	Paradiso	7
4. Leaf: attitude (+)	erect	Paradiso	1
	semi-erect	Erfuter Zwerg, Fastman	3
	horizontal	Opaal	5
5. Leaf: length	very short		1
	short	Opaal	3
	medium	Fortuna	5
	long	Géant de Naples tardif, Snow March	7
	very long	Paradiso	9
6. Leaf: width	very narrow	Alverda, Géant de Naples tardif	1
	narrow	Andes	3
	medium	Alpha 2	5
	broad	Senator	7
	very broad	Ostrea	9
7. Leaf: shape	narrow elliptic	Géant de Naples tardif	3
	elliptic	Alpha 2	5
	broad elliptic	Danish Giant	7
8. Leaf: lobing	absent	Opaal	1
	present	Minaret, Ottobrino, Romanesco	9
9. Leaf: color (with wax if present)	green	Alpha 2	1
	grey green	Géant de Naples tardif, Heros	2
	blue green	Bambi, Barrier Reef, Starlight	3
10. Leaf: intensity of color (as for 9)	light	Deense Export	3
	medium	Alpha 2, Heros	5
	dark	Delira, Lecerf	7
11. Leaf: cross section of midrib at lower third (+)	strongly flattened	Erfurter	1
	weakly flattened	Siria	2
	rounded	Vega	3
12. Leaf: torsion of tip	absent or very weak	Alverda	1
	weak	Belot, Di Jesi	3
	medium	Oberon	5
	strong	Arcade	7
	very strong		9
13. Leaf: shape in cross section	concave	Géant de Naples tardif	1
	flat	Alpha 2	2
	convex	Fanch	3
14. Leaf: blistering	absent or very weak	Lecerf	1
	weak	Alpha 2, Opaal, White Fox	3
	medium	Celesta, Montano	5
	strong	Sernio	7
	very strong		9

Characteristics		Examples	Note
15. Leaf: distribution of blisters	at tip only	White Fox, White Rock	1
	on whole leaf	Campoverde, Exponent	2
16. Leaf: crimping near main vein	absent or very weak	Lena, Malvina	1
	weak	Balmoral, Flanca	3
	medium	Deniela	5
	strong	Sernio	7
	very strong		9
17. Leaf: undulation of margin	absent or very weak	Géant de Naples tardif	1
	weak	Alpha 2	3
	medium	Alice Springs	5
	strong	Delira, Purdy	7
	very strong		9
18. Curd: covering by inner leaves	not covered	Calypso, Opaal	1
	partly covered	Celesta, Fortuna	2
	covered	Ims, Orco	3
19. Curd: height	short	Lecerf, Mechelse 2	3
	medium	Alpha 2, Delira	5
	tall	Ims, Orco	7
20. Curd: diameter	small	Alverda	3
	medium	Barrier Reef	5
	large		7
21. Curd: shape in longitudinal section (+)	circular	Easter Crown	1
	broad transverse	Orco	2
	elliptic		
	transverse elliptic	Celesta	3
	narrow transverse	Erfurter, Lecerf	4
22. Curd: doming (+) (varieties with triangular curds excluded)	elliptic		
	triangular	Minaret, Romanesco Ottobrino	5
22. Curd: doming (+) (varieties with triangular curds excluded)	weak	Lecerf	3
	medium	Géant de Naples tardif	5
	strong	White Rock	7
23. Curd: color	whitish	Delira, easter Crown	1
	yellow	Di Jesi	2
	orange	Orange Bouquet	3
	green	Alverda, Minaret	4
24. Curd: knobbling (+)	very fine		1
	fine	Opaal	3
	medium	Corvilia	5
	coarse	Delira, Lukra	7
	very coarse	Minaret	9
25. Curd: texture	fine	Dominant, Erfurter	3
	medium	Alpha 2	5
	coarse	Géant de Naples tardif	7
26. Curd: anthocyanin coloration after harvest maturity	absent	Calypso, White Stone	1
	present	Delira, Lukra	9
27. Flower: color	white	Delira, Lukra	1
	yellow	Alpha 2, Flora Blanca, Lecerf	2
28. Earliness in specific growing season (+) (50% at harvest maturity)	very early		1
	early		3
	medium		5
	late		7
	very late		9
29. Male sterility	absent		1
	present		9

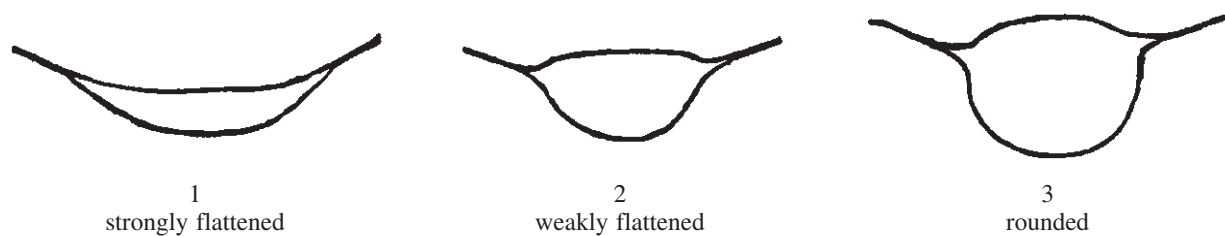
ANNEX 2

EXPLANATIONS AND METHODS

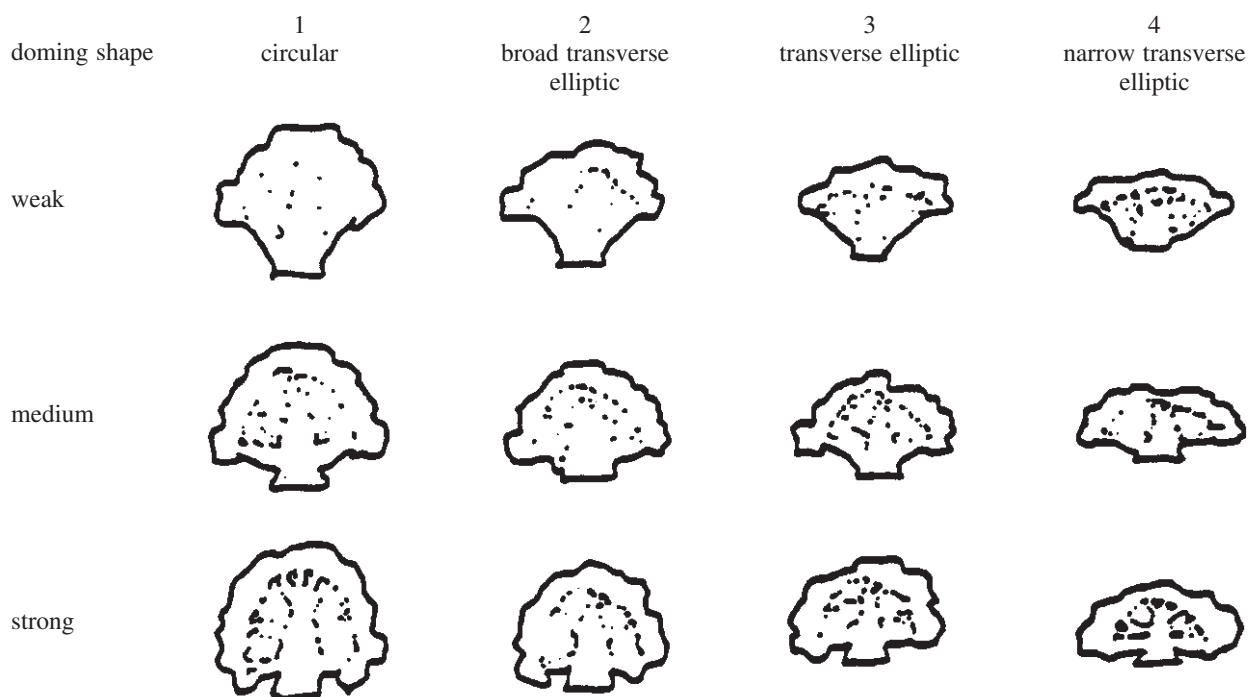
Ad 4: Leaf: attitude



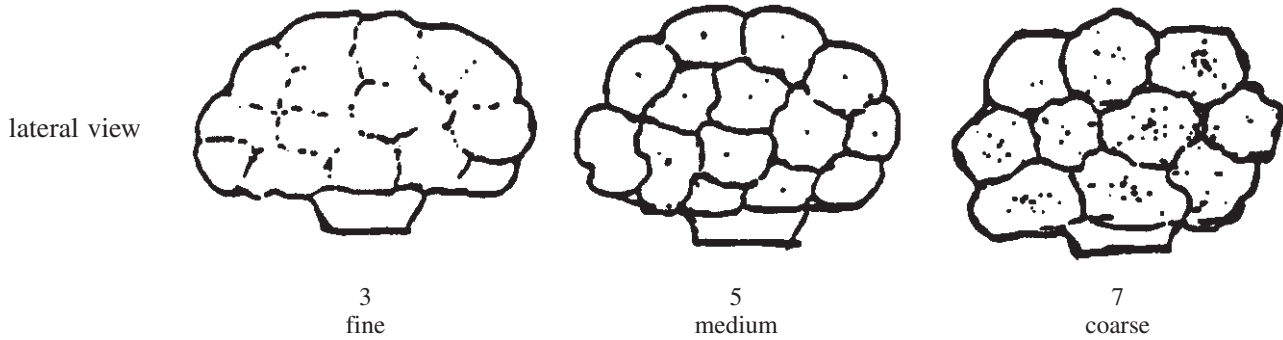
Ad 11: Leaf: cross section of midrib at lower third



Ad 21 + 22: Curd: shape in longitudinal section (21) and doming (22)



Ad 24: Curd: knobbling



Ad 28

Earliness in specific growing season (50% at maturity)

In cauliflower earliness is strongly influenced by the temperature and the season of growing. Nevertheless at one and the same place and for the same growing season earliness is an important characteristic for the distinction of varieties. For these reasons the variety description should always state the place and the season of growing.

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Brassica oleracea L. convar. *capitata* (L.) Alef.

CABBAGE

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/2 and UPOV Guideline TG 48/6 dated 23/10/1992 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to varieties of *Brassica oleracea* L. convar. *capitata* (L.) Alef.

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

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3. SEED REQUIREMENTS

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant in one or more samples¹ (the figures in brackets correspond to a split sample, with an initial delivery for the realisation of the DUS test, and a subsequent – greater – submission after completion of this, for variety collection purposes).

¹ Subject to feasibility study.

	Request of examination	Plant material	Seed requirements
FRANCE	01/01 01/05	01/02 01/06	10,000 seeds (2,000 + 8,000) ¹
GERMANY	01/01	01/02	5,000 seeds (1,000 + 4,000) ¹
NAKTuinbouw (NL)	open	open	5,000 seeds (1,000 + 4,000) ¹
RvhK (NL)	15/01	15/02	5,000 seeds (1,000 + 4,000) ¹
UNITED KINGDOM	01/02	01/03	10,000 seeds (2,000 + 8,000) ¹

Quality of seed:..... Should not be less than the standards laid down for certified seed in Annex 2 of EC Directive 70/458.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:..... –

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of the CPVO".
– In the case of a split sample¹, the quantity of seed being submitted.

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

¹ Subject to feasibility study.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate the work with other Offices involved in DUS testing of cabbage. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in the Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following:

- a) Head: shape of longitudinal section (characteristic 18)
- b) Head: diameter (characteristic 21)
- c) Time of harvest maturity (characteristic 34)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. For vegetatively propagated varieties, the duration of the testing may be reduced to one growing cycle if the results on distinctness and uniformity are conclusive. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum, each test should include a total of 40 plants divided between two replicates.

All observations determined by measurement or counting should be made on 20 plants or parts of 20 plants.

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

B) UNIFORMITY

For the assessment of uniformity of open pollinated and hybrid varieties (excluding inbred plants), relative uniformity standards should be applied.

For the assessment of vegetatively propagated varieties, a population standard of 1% with an acceptance probability of at least 95% should be applied.

For vegetatively propagated varieties a candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below:

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
5	0
6-35	1
36-82	2
83-137	3

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report as well as the final report shall be sent by the Examination Office to the CPVO.

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ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

Characteristics		Examples	Note
1.1	White cabbage only: Plant: height	very short	1
		short	3
		medium	5
		tall	7
		very tall	9
1.2	Red cabbage only: Plant: height	very short	1
		short	3
		medium	5
		tall	7
		very tall	9
1.3	Savoy cabbage only: Plant: height	very short	1
		short	3
		medium	5
		tall	7
		very tall	9
2.1	White cabbage only: Plant: maximum diameter (including outer leaves)	small	3
		medium	5
		large	7
2.2	Red cabbage only: Plant: maximum diameter (as for 2.1)	small	3
		medium	5
		large	7
2.3	Savoy cabbage only: Plant: maximum diameter (as for 2.1)	small	3
		medium	5
		large	7
3.	Plant: length of outer stem	short	Braunschweiger (W), Spivoy (S), Vorox (R)
		medium	Belvoy (S), Langedijker Bewaar 2 (R), September (W)
		long	Amager hochstrunkig (W), Pampa (S)
4.	Plant: attitude of outer leaves	erect	Filderkraut (W), Slawdena (W)
		semi-erect	Braunschweiger (W)
		horizontal	Christmas Drumhea (W), Spring Hero (W)
5.1	White cabbage only: Outer leaf: size	small	Golden Cross
		medium	Braunschweiger, Marner Lagerweiss
		large	Thurner
5.2	Red cabbage only: Outer leaf: size	small	Langedijker Aller vroegste
		medium	Langedijker Vroege
		large	Marner Lagerrot, Langedijker Herfst
5.3	Savoy cabbage only: Outer leaf: size	small	Promasa
		medium	Belvoy
		large	Vertus 3
6. (+)	Outer leaf: shape of blade	broad elliptic	Filderkraut (W)
		broad ovate	September (W)
		circular	Wiam (W)
		transverse broad elliptic	Rookie (R)
		broad obovate	Marksman (W)
7.	Outer leaf: profile of upper side of blade	concave	Celsa (S), Slawdena (W)
		plane	Allrot (R), Golden Cross (W)
		convex	Comparsa (S)

Characteristics		Examples	Note
8.1	White cabbage only: Outer leaf: blistering	absent or very weak	Slawdena 1
		weak	Copenhagen Market 2 3
		medium	Fieldrocket 5
		strong	Roem van Enkhuizen 3 7
		very strong	9
8.2	Red cabbage only: Outer leaf: blistering	absent or very weak	Rookie 1
		weak	Langedijker Bewaar 3 3
		medium	Langedijker Herfst 5
		strong	Kissendrup 7
		very strong	9
8.3	Savoy cabbage only: Outer leaf: blistering	absent or very weak	De Pointoise 2 1
		weak	Celsa 3
		medium	Savoy King 5
		strong	Hammer 7
		very strong	Novusa, Roi de l'hiver 2 9
9.1	White and red cabbage only: Outer leaf: size of blisters	small	Allrot (R), Hispi (W) 3
		medium	Kissendrup (R), Roem van Enkhuizen 2 (W) 5
		large	Jason (W) 7
9.2	Savoy cabbage only: Outer leaf: size of blisters	small	Roi de l'hiver 2 3
		medium	Hammer 5
		large	Vertus 2 7
10.	Savoy cabbage only: Outer leaf: crimping	weak	Dauerwirsing 3
		medium	Savoy King 5
		strong	Hammer 7
11.	Outer leaf: color (with wax)	yellow green	April (W) 1
		green	Hammer (S) 2
		grey green	Roi de l'hiver 2 (S) 3
		blue green	Market Price(W) 4
		violet	Langedijker Bewaar 2 (R) 5
12.	Outer leaf: intensity of color	light	3
		medium	5
		dark	7
13.	Red cabbage only: Outer leaf: green flush	absent	Kissendrup 1
		present	Roxy 9
14.	Outer leaf: waxiness	absent or very weak	First of June(W) 1
		weak	Derby Day (W) 3
		medium	Celtic (S), Wiam (W) 5
		strong	Thurner (W) 7
		very strong	9
15.	Outer leaf: undulation of margin	absent or very weak	Minicole (W) 1
		weak	Holsteiner platter (W) 3
		medium	Dacato (S), Saturn (W) 5
		strong	Snovoy (S) 7
		very strong	Roxy (R) 9
16.	Outer leaf: incisions of margin	absent	Krypton (W) 1
		present	Bartolo (W) 9
17.	Outer leaf: reflexion of margin	absent	Slawdena (W) 1
		present	Rinda (W) 9
18.	Head: shape of longitudinal section	transverse narrow elliptic	Braunschweiger (W) 1
		transverse elliptic	De Pointoise 2 (S) 2
		circular	Roem van Enkhuizen 2 (W) 3
		broad elliptic	Langedijker Herfst (R) 4
		broad obovate	Langedijker Bewaar (W) 5
		broad ovate	Cape Horn (W) 6
		angular ovate	Hispi (W) 7
19. (+)	Head: shape of base in longitudinal section	raised	1
		level	2
		arched	3

Characteristics		Examples	Note
20. Head: length	short	Marner Allfrüh (W), Vorbote 2 (S)	3
	medium	Belvoy(S), Pampa (S)	5
	long	Offenham 3 (W)	7
21. Head: diameter	small	Marner Allfrüh (W), Vorbote 2 (S)	3
	medium	Celsa (S), Pampa (S)	5
	large	Braunschweiger (W), Quintal d'Alsace (W)	7
22. Head: position of maximum diameter	towards top	Slawdena (W)	1
	at middle	Derby Day (W), Gouden Akker (W)	2
	towards base	Hispi (W)	3
23. Head: cover (+)	uncovered	Late Putjes (S)	1
	partially covered	Holsteiner platter (W)	2
	covered	Langedijker Bewaar 2 (R)	3
24. Savoy cabbage only: Head: blistering of cover leaf	absent or very weak	De Pointoise 2	1
	weak	Celtic	3
	medium	Julius	5
	strong	Hammer	7
	very strong	Roi de l'hiver 2	9
25. Head: reflexion of margin of cover leaf	absent	Morgan (W), Apex (W)	1
	present	Orbit (W)	9
26. Head: color of cover leaf	yellow green	April (W)	1
	green	Hammer (S)	2
	grey green	Roi de l'hiver 2 (S)	3
	blue	green	4
	violet	Kissendrup (R)	5
27. Head: intensity of color of cover leaf	light		3
	Medium		5
	Dark		7
28. White cabbage and Savoy cabbage only: Head: anthocyanin coloration of cover leaf	absent or very weak	Hammer (S)	1
	weak	Slawdena (W)	3
	medium	De Pointoise 2	5
	strong	Marabel (S)	7
	very strong		9
29. Head: internal color	whitish	Slawdena (W)	1
	yellowish	Langedijker Bewaargele (S)	2
	greenish		3
	violet	Cœur de bœuf gros (W)	4
30. Red cabbage only: Head: intensity of internal color	light		3
	medium		5
	dark		7
31. Head: density	very loose	Mignon (W)	1
	loose	Hornspi (W)	3
	medium	Dacato (S), Spivoy (S)	5
	dense	Pampa (S)	7
	very dense	Slawdena (W)	9
32. Head: internal structure	fine	Slawdena (W), Quintal d'Alsace (W)	3
	medium	Langedijker Herfst (R)	5
	coarse	Roem van Enkhuizen 2 (W)	7
33. Head: length of interior stem (in relation to length of head)	short	Erdeno (W)	3
	medium	Slawdena (W)	5
	long	Belvoy (S), Braunschweiger (W)	7
34.1 White cabbage only: time of harvest maturity	very early	Golden Cross	1
	early	Green Express, Hijula	3
	medium	Roem van Enkhuizen 2	5
	late	Holsteiner platter, Marner Lagerweiss	7
	very late	Bewama, Quintal d'Alsace	9

Characteristics		Examples	Note
34.2 Red cabbage only: time of harvest maturity	early	Langedijker Vroege, Normiro, Ruby Ball	3
	medium	Langedijker Herfst, Marner Septemberrot	5
	late	Langedijker Bewaar 2, Marner Lagerrot	7
34.3 Savoy cabbage only: time of harvest maturity	very early	Spivoy	1
	early	Walasa	3
	medium	Belvoy	5
	late	Hammer	7
	very late	Alexander's N°1	9
35. Time of bursting of head after maturity	early	Winnigstadt (W)	3
	medium	Pluton	5
	late	Quisto (W)	7

Note: Only resistances marked with an asterik (*) are compulsory.

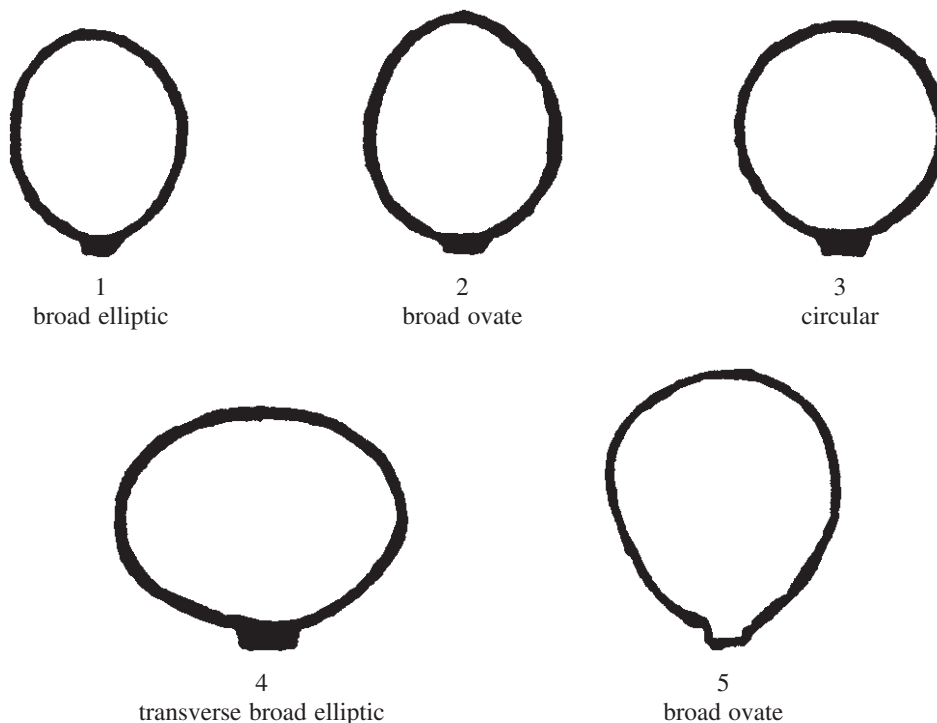
In general for the assessment of resistance characteristics, the facilities of other Examination Offices or specialised institutions might be used, subject to previous arrangements.

Some characteristics may be discarded: if there are already phytosanitary restrictions.

Characteristics		Examples	Note
36. Resistance to race 1 of <i>Fusarium oxysporum</i> f. sp. <i>conglutinans</i> (+)	absent	Roem van Enkhuizen 2(W)	1
	present	Delight YR(W)	9

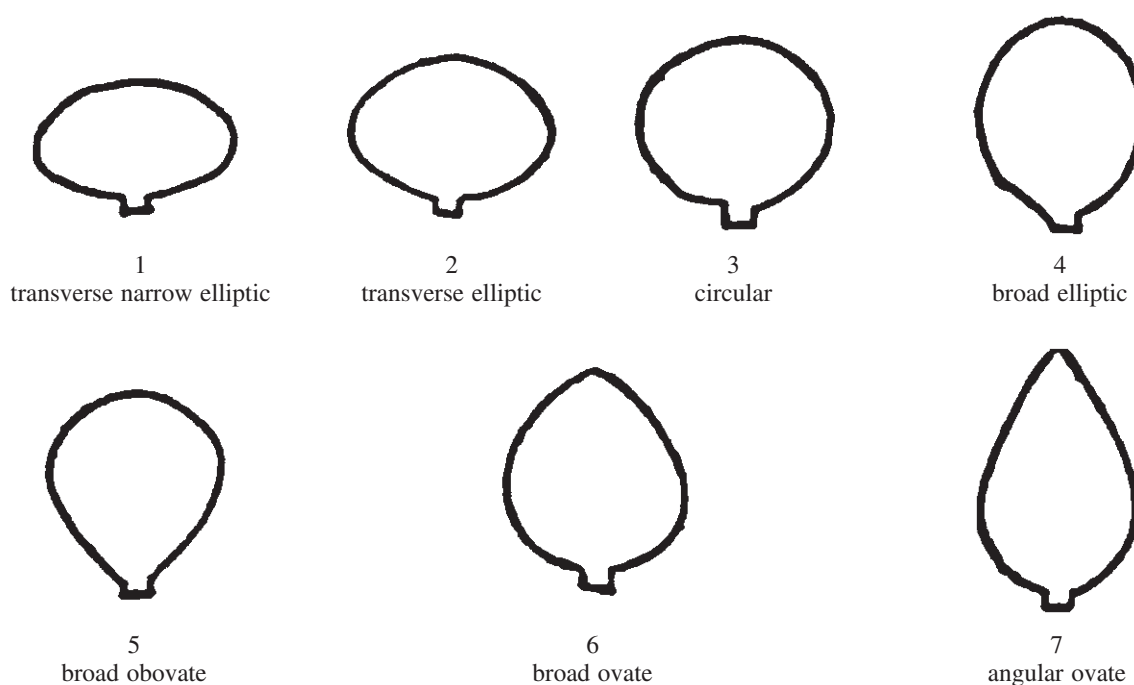
ANNEX 2
EXPLANATIONS AND METHODS

Ad 6: Outer leaf: shape of blade

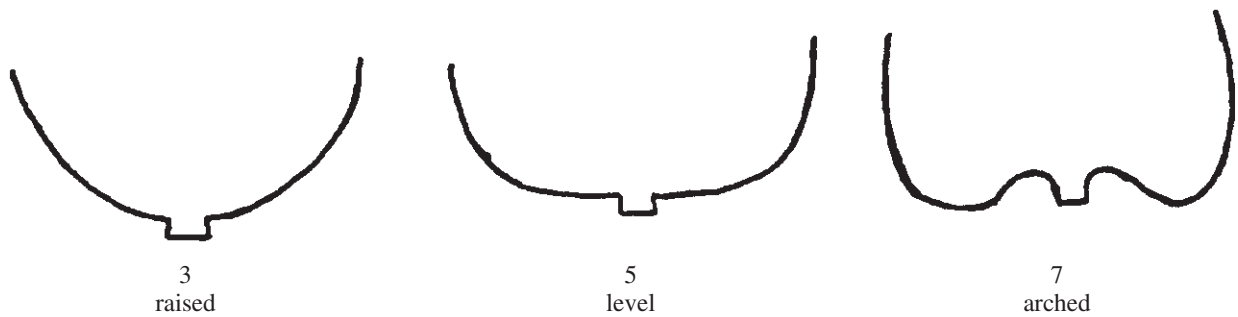


The leaf should be flattened out as far as possible before observation.

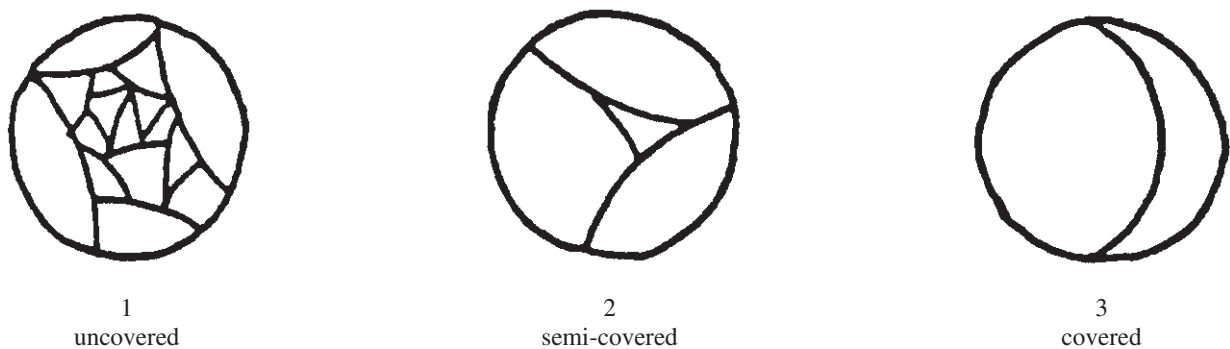
Ad 18: Head: shape of longitudinal section



Ad 19: Head: shape of base in longitudinal section



Ad 23: Head: cover



Ad 36: Resistance to race 1 of *Fusarium oxysporum* f. sp. *conglutinans*

Method

Maintenance of races

Type of medium: on agar medium at 20°C

Special conditions: multiplication by passing on parts of the agar medium to liquid Czapek-Dox-Broth. This liquid medium must be shaken permanently.

Execution of test

Growth stage of plants: young plants, about two weeks after sowing

Temperature: about 25°C

Light: normal glasshouse conditions

Growing method: seeds sown in peat soil at rather low temperature

Method of inoculation: roots of lifted young plants are soaked during 5 minutes in a suspension of spores and parts of mycelium, thereafter replanting

Duration of test:

– from sowing to inoculation: 2 weeks

– from inoculation to reading: first symptoms 7 days after inoculation, final reading 18 days after inoculation

Number of plants tested: 30

Remarks: The disease might be a quarantine-disease in some countries.
Race 1 of this pathogen is common; very rarely other races occur.

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Lactuca sativa L.

LETTUCE

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/2 and UPOV Guideline TG/13/7 dated 16th October 1993 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to varieties of *Lactuca sativa* L..

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. SEED REQUIREMENTS

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant in one or more samples¹ (the figures in brackets correspond to a split sample, with an initial delivery for the realisation of the DUS test, and a subsequent – greater – submission after completion of this, for variety collection purposes).

¹ Subject to feasibility study.

	Request of examination	Plant material	Seed requirements
FRANCE	greenhouse 01/09 open field 01/01	greenhouse 01/10 open field 01/02	14,000 seeds (4,000 + 10,000) ¹
GERMANY	greenhouse 01/11 open field 15/01	greenhouse 01/12 open field 15/02	14,000 seeds (4,000 + 10,000) ¹
NAKTuinbouw(NL)	open	open	14,000 seeds (4,000 + 10,000) ¹
RvhK (NL)	greenhouse 10/08 open field 15/01	greenhouse 30/08 open field 15/02	14,000 seeds (4,000 + 10,000) ¹
SPAIN	01/11	01/12	14,000 seeds (4,000 + 10,000) ¹

Quality of seed:..... Should not be less than the standards laid down for certified seed in Annex 2 of EC Directive 70/458.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:..... –

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of the CPVO".
– In the case of a split sample, the quantity of seed being submitted¹.

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

¹ Subject to feasibility study.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate the work with other offices involved in DUS-testing of lettuce. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following:

- a) Seed: colour (characteristic 1)
- b) Leaf: colour of outer leaves (characteristic 17)
- c) Leaf: intensity of colour of outer leaves (characteristic 18)
- d) Leaf: anthocyanin coloration (characteristic 19)
- e) Time of beginning of bolting under long day conditions (characteristic 37)
- f) Resistance to downy mildew (*Bremia lactucae*)
Isolate NL 12 (characteristic 38.4)
- g) Resistance to downy mildew (*Bremia lactucae*)
Isolate NL 15 (characteristic 38.7)
- h) Resistance to downy mildew (*Bremia lactucae*)
Isolate NL 16 (characteristic 38.11)
- i) Resistance to lettuce mosaic virus (LMV) Strain LS-1 (characteristic 39)
- j) Growth type at harvest maturity
- k) Type of culture (glasshouse / open)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. For vegetatively propagated varieties, the duration of the testing may be reduced to one growing cycle if the results on distinctness and uniformity are conclusive. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum, each test should include a total of 80 plants which should be divided between two or more replicates. All observations determined by measurement or counting should be made on 20 plants or parts of 20 plants.

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

B) UNIFORMITY

A candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below. A population standard of 1% and an acceptance probability of at least 95% should be applied.

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
5	0
6-35	1
36-82	2
83-137	3

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report and final report shall be sent by the Examination Office to the CPVO.

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ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

Characteristics		Examples	Note
1. Seed: colour	white	Verpia	1
	yellow	Van Sal	2
	black	Kagraner Sommer	3
2. Seedling: anthocyanin colouration	absent	Verpia	1
	present	Pirat	9
3. Seedling: size of cotyledon (fully developed)	small	Romance	3
	medium	Antina	5
	large	Verpia	7
4. Seedling: shape of cotyledon	narrow	elliptic Calmar	3
	elliptic	Van Sal	5
	broad	elliptic Capitan	7
5. Leaf: attitude at 10-12 leaf stage	erect	Romance	3
	semi-erect	Great Lakes 118, Soraya	5
	prostrate	Toria, Unicum, vanguard 75	7
6. Leaf blade: division (time as for 5)	entire	Capitan	1
	lobed	A couper à feuille de chêne blonde à graine noire, Salad Bowl	2
7. Plant: diameter	very small	Pavane, Tom Thumb	1
	small	Bastion, Gotte à graine blanche	3
	medium	Clarion, Verpia	5
	large	Great Lakes 659, Musette	7
	very large	El Toro, Yuma	9
8. Plant: head formation	no head	Blonde à couper amélioré	1
	open head	Monet, Palma	2
	closed head	(overlapping) Capitan, Kelvin	3
9. Varieties with closed head only: Head: degree of overlapping of upper part of leaves	very weak		1
	weak	Danilla, Novita	3
	medium	Augusta	5
	strong	Capitan	7
	very strong	Kelvin, Yarra Prince	9
10. Head: density	very loose	Erdia	1
	loose	Danilla, Nanda	3
	medium	Blonde maraîchère	5
	dense	Hilde, Kelvin	7
	very dense	Musette	9
11. Head: size	very small	Bibb, tom Thumb	1
	small	Bastion, Gotte à graine blanche	3
	medium	Floricos, Soraya	5
	large	Great Lakes 659, Musette	7
	very large	Blonde maraîchère, El Toro	9
12. Head: closing of base	weak	Passe Partout	3
	medium	Serda	5
	strong	Capitan	7
13. Head: shape in longitudinal section (+)	elliptic	Verte marîchère	1
	broad elliptic	Sucrine, Sudia	2
	circular	Passe Partout, Verpia	3
	transverse elliptic	Great Lakes 659, Kagraner Sommer	4
14. Leaf: thickness	thin	Raisa, Royal Red	3
	medium	Fabian	5
	thick	Frisée de Beauregard	7
15. Leaf: attitude at harvest maturity	erect	Feria, Riva	3
	semi-erect	Amelia, Elvira	5
	nearly horizontal	Campan, Divina	7

Characteristics		Examples	Note
16. Leaf: shape (+)	narrow elliptic	Riva, verte maraîchère	1
	elliptic	Angela	2
	broad elliptic	Amelia, Erdia	3
	circula	Elsa, Verpia	4
	transverse broad elliptic	Ariane, Fabian	5
	transverse elliptic	Capitan, Elvira	6
	obovate	Carlita, Raisa	7
	broad obtrullate	Lollita, Monet	8
	triangular	Deer Tongue	9
17. Leaf: colour of outer leaves (+)	yellowish	Dorée de Printemps	1
	green	Norden, Verpia	2
	greyish green	Celtuce, Du bon jardinier	3
	blueish green	Bibb	4
	reddish	Lollo rossa, Rosa	5
18. Leaf: intensity of colour of outer leaves (+)	very light		1
	light		3
	medium		5
	dark		7
	very dark		9
19. Leaf: anthocyanin colouration	absent	Capitan	1
	present	Rouge d'hiver	9
20. Leaf: intensity of anthocyanin colouration	very weak	Chicon de Charentes	1
	weak	Du bon jardinier	3
	medium	Trocadéro à graine noire	5
	stong	Rouge d'hiver	7
	very strong	Ibis, Little Leprechaun	9
21. Leaf: distribution of anthocyanin	localised	Antina	1
	entire	Rouge d'hiver	2
22. Leaf: kind of anthocyanin distribution	diffused only	Pirat	1
	in spots only	Passion blonde à graine blanche	2
	diffused and in spots	Lovina, Rougette du Midi	3
23. Leaf: glossiness of upper side	absent or very weak	Divina, Du bon jardinier	1
	weak	Capitan, Elsa	3
	medium	Crestana, Feria	5
	strong	Antina, Ibis	7
	very strong		9
24. Leaf: surface profile of outer leaves	concave	Verpia	3
	flat	Augusta	5
	convex	Little Leprechaun, Panine	7
25. Leaf: blistering	absent or very weak	Donia	1
	weak	Capitan	3
	medium	Campan	5
	strong	Blonde de Paris	7
	very strong	Blonde de Doulon	9
26. Leaf: size of blisters	small	Dorée de printemps	3
	medium		5
	large	Antina, Massilia	7
27. Leaf blade: degree of undulation of margin	absent or very weak	Serda	1
	weak	Campan	3
	medium	Crestana	5
	strong	Calmar	7
	very strong	Lollo rossa, Valeria	9
28. Leaf blade: presence of incisions on margin on apical part	absent	Verpia	1
	present	Calmar, Gloire du Dauphiné, Unicum	9
29. Leaf blade: depth of incisions on margin on apical part	shallow	Unicum	3
	medium	Ithaca	5
	deep	Monet	7
30. Leaf blade: degree of incisions on margin on apical part	sparse	Laudine, Maravilla de Verano	3
	medium	Calmar, De Pierre Benite	5
	dense	Grand Rapids, Ithaca Great Lakes	7

Characteristics		Examples	Note
31. Leaf blade: venation	not flabellate	Verpia	1
	flabellate	Gloire du Dauphiné, Monet	2
32. Flowering plant: height (+)	short	Gotte à graine blanche	3
	medium	Campan	5
	tall	Danilla, Hilde	7
33. Stem: fasciation (as for 32)	absent	Calmar, Romance	1
	present	Gotte jaune d'Or	9
34. Stem: intensity of fasciation (as for 32)	very weak	Gotte à graine blanche	1
	weak	Verte maraîchère	3
	medium	Zwaresse	5
	strong	Gotte jaune d'or	7
	very strong	Chicon des Charentes, Sitonia	9
35. Axillary sprouting	absent or very weak	Valmaine	1
	weak	Aprilia	3
	medium	Larga Verde	5
	strong	Riva	7
	very strong	Doncella	9
36. Time of harvest maturity	early	Attraction	3
	medium	Capitan	5
	late	Calmar	7
37. Time of beginning of bolting under long day conditions	very early	Blonde à couper améliorée	1
	early	Gotte à graine blanche	3
	medium	Antina	5
	late	Hilde	7
	very late	Amy, Kinemontepas	9

Note: Only resistances marked with an asterik (*) are compulsory.

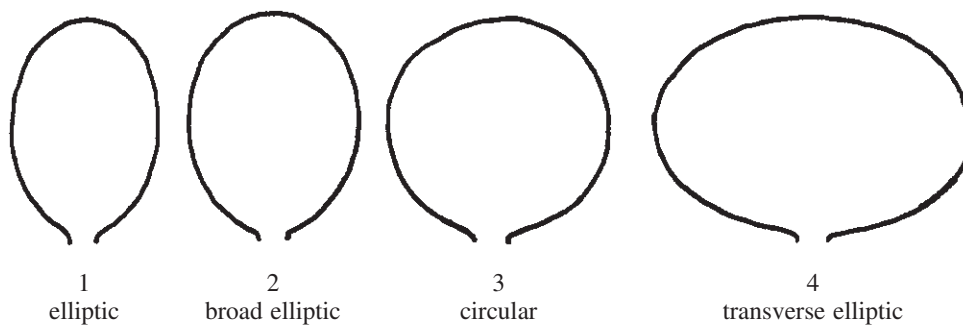
In general for the assessment of resistance characteristics, the facilities of other Examination Offices or specialised institutions might be used, subject to previous arrangements.

Some characteristics may be discarded: if there are already phytosanitary restrictions.

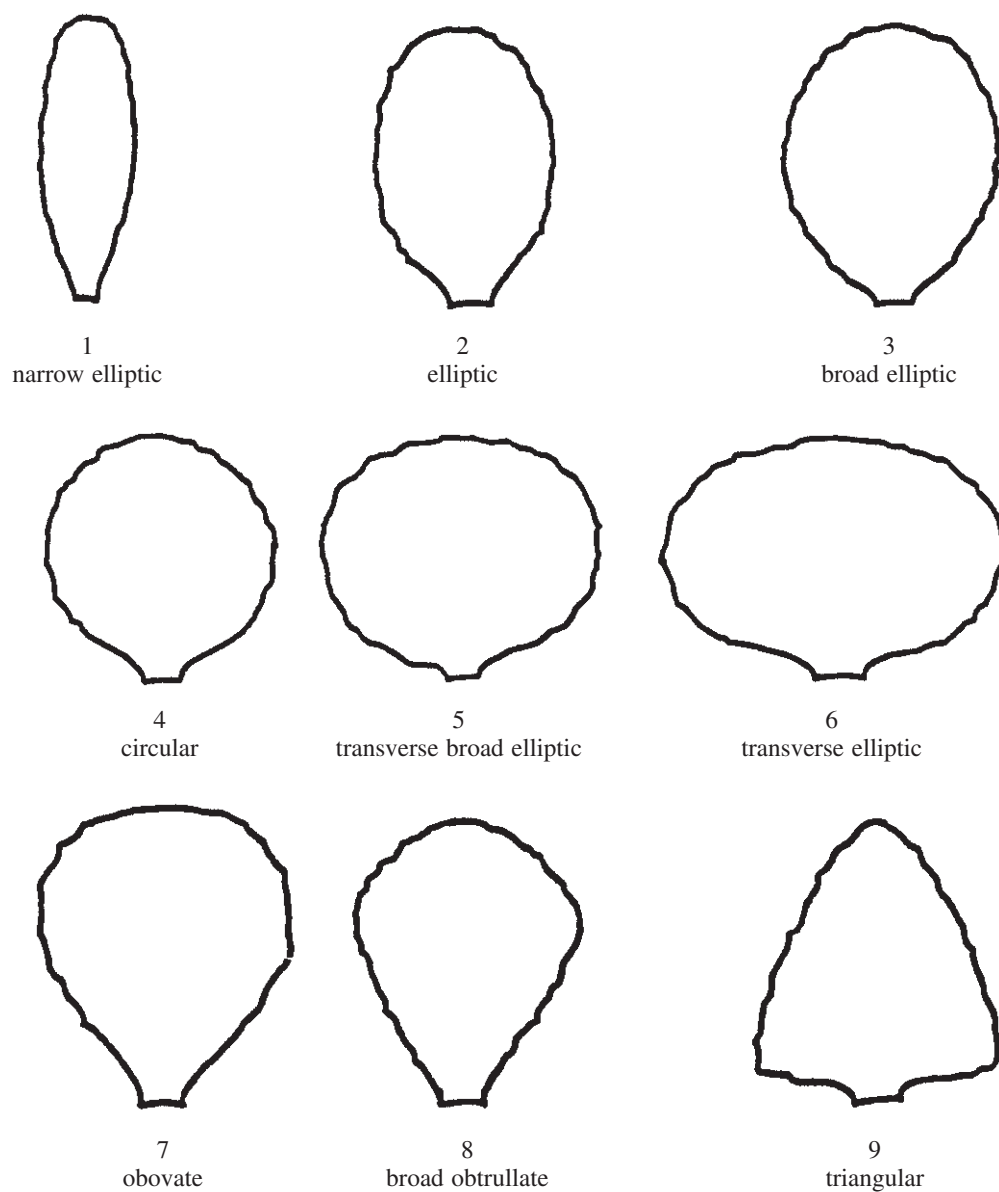
Characteristics		Examples	Note
38 Resistance to downy mildew (<i>Bremia lactucae</i>) (+)			
38.1 Isolate IL4	absent	Hilde	1
	present	Dandie, Mildura	9
38.2 Isolate S1	absent	Hilde	1
	present	Capitan, Dabora, Maikönig	9
38.3 Isolate NL13	absent	Hilde	1
	present	Girelle, Melina, Pansoma	9
*38.4 Isolate NL12	absent	Hilde	1
	present	Dabora, Danilla, Geishaa	9
38.5 Isolate SF1	absent	Hilde	1
	present	Capitan, Sabine	9
38.6 Isolate NL7	absent	Hilde	1
	present	Capitan, Morgana, Verpia	9
*38.7 Isolate NL15	absent	Hilde	1
	present	Amy, Mirian, Sifra	9
38.8 Isolate NL14	absent	Hilde	1
	present	Santis, Sifra, verpia	9
38.9 Isolate TV	absent	Hilde	1
	present	Capitan, Elsa, Gitane, Sangria	9
38.10 Isolate CS9	absent	Hilde	1
	present	Dabora, Kinemontepas	9
*38.11 Isolate NL16	absent	Hilde	1
	present	Calgary, Dabora, Mariska	9
*39 Resistance to lettuce mosaic virus (LMV) (+)	absent	Hilde, Salvina	1
	present	Campan, Corsica, Cristana	9

ANNEX 2
EXPLANATIONS AND METHODS

Ad 13: Head: shape in longitudinal section



Ad 16: Leaf: shape



Ad 17 + 18: Leaf: colour and intensity of colour of outer leaves

18 Intensity	17 Colour	1 yellowish	2 green	3 greyish green	4 bluish green	5 reddish
1. very light		Marbello, Black	Krizet Seeded, Simpson	Hohlblättriger,	Butter	
3. light		Blondine (=Viktoria), Jana, Pia	Blonde maraîchère, Jacky, Marmer Reskia	Celtuce, Fame, Kinemontepas		Brauner Trotskopf Maravilla de Verano
5. medium		Australische Gele, Dorée de printemps Gotte jaune d'Or	Capitan, Florian Têtue de Nîmes	Clarion, Du bon jardinier, Kelvin		Lollo rossa, Pirat, Prizehead (=Frisée d'Amérique)
7. dark		Batavia, Chicon	Verpia, Waldemann Dark Green	Chou de Naples (= Webb's Wonderful), Toledo	Bibb	Merveille des quatre saisons, Rosa, Rouge d'Hiver
9. very dark		Larga Verde, Pavan	Sudia			Goya, Malibu

Resistance Testing Methods

The following guidelines are suggested for *Bremia* testing:

- a) *Maintenance*: *Bremia* races should be maintained on varieties possessing no known Dm-genes, or only obscure Dm-genes, e.g. Cobham Green, Lobjoits Green Cos, Hilde (Dm12), Olof. An alternative would be to use lines which are selective for each particular isolate. The purity and quality of these maintenance varieties is important and it may be necessary to commission a seed producer to produce an adequate supply of good quality seed.
- b) *Host differentials*: Standard control varieties, that express the resistance genes that are being tested for, should always be used in tests, as a check. These standard varieties are available from the GEVES, France, or from NAKT, Netherlands. Stores of seed would be maintained at UPOV testing centres. The addresses of these places are as follows:

(i) GEVES Station Nationale d'Essais de Semences Rue Georges Morel BP 24 F-49071 BEAUCOUZE CEDEX	(ii) NAKT Tuinbouw SOTAWEG 22 Postbus 27 NL-2370 AA ROELOFARENDSEVEEN
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- c) *Sample Size*: At least 30 separate plants of each variety should be tested to establish the uniformity of the variety's Dm-gene component.
- d) *Temperature*: Incubation of inoculated seedlings or leaf discs should be at 15-18°C.
- e) *Inoculum Concentration*: The optimum is around 1×10^5 spores per ml; at least 3×10^4 should be used. If inoculated seedlings are used, they may be inoculated prior to the emergence of the first leaf.
- f) *Illumination*: Adequate illumination for good plant growth should be applied. Seedlings should have fully expanded cotyledons and plants should not be etiolated.
- g) *Recording*: The recording time should be as follows:
 - 1st recording - when control has maximum sporulation
 - 2nd recording - 3 days after 1st recording
 - 3rd recording - 3 days after 2nd recording

(In case of resistant varieties some plants may show leaf necrosis at the first recording).

Eleven isolates of *Bremia lactucae* for diagnostic testing of combinations Dm2, Dm3, Dm5/8, Dm6, Dm7, Dm11, Dm16 and R18 in lettuce

NL7 ^a	S1	SF1 ^b	NL15 ^c	NL14	NL13	TV	IL4	NL12	CS9	NL16	
2	.	2	2	2	.	2	2	.	2	1, 2	
3	3	3	3	3	3	3	.	.	3	3, 4	
.	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	
6	6	.	.	6	.	6	.	6	6	6	
7	7	7	7	.	7	7	7	7	7	7	
.	.	.	11	11	11	.	11	11	11	10, 11	
.	.	16	.	16?	16	16	16	16	.	16	
.	.	.	.	.	.	.	.	.	.	.	Some examples of Dm-gene combinations or R-factors
.	.	.	.	.	.	.	.	.	.	.	
.	.	.	.	.	.	.	.	.	.	.	
.	.	.	.	.	.	.	.	.	.	.	
.	.	.	.	.	.	.	.	.	.	.	
+	-	+	+	+	-	+	-	-	+	+	2+3
+	-	+	+	-	-	+	+	-	+	+	2+7
-	-	-	+	+	-	-	+	-	+	+	2+11 (+5/8) ^d
-	+	+	+	+	+	+	-	-	+	+	3+5/8
+	+	+	+	-	+	+	-	-	+	+	3+7
-	-	-	+	+	+	-	-	-	+	+	3+11 (+5/8) ^d
+	+	-	-	-	-	+	-	+	+	+	6+7
-	-	-	-	+	-	-	-	+	+	+	6+11 (+5/8) ^d
-	+	+	+	-	+	+	+	+	+	+	5/8+7
-	+	-	-	+	-	+	-	+	+	+	5/8+6
-	-	-	-	+	+	-	+	+	-	+	11+16 (+5/8) ^d
-	-	-	-	+	-	+	-	+	-	+	6+16 (+5/8) ^d
+	-	+	+	-	-	+	-	-	+	+	2+3+7
-	-	-	+	+	-	-	-	-	+	+	2+3+11 (+5/8) ^d
-	+	+	+	-	+	+	-	-	+	+	3+5/8+7
-	-	+	-	+	-	+	-	-	-	+	2+3+16 (+5/8) ^d
-	-	+	-	+	+	+	-	-	-	+	3+16 (+5/8) ^d
-	+	-	-	-	-	+	-	+	+	+	5/8+6+7
-	-	+	+	+	-	+	-	-	+	+	2+3+5/8
+	-	-	-	+	-	+	-	-	+	+	2+3+6 or 2+6
-	-	-	-	+	-	-	-	-	+	+	2 and/or 3+6+11 (+5/8) ^d
-	-	-	-	+	-	+	-	-	-	+	2 and/or 3+6+16 (+5/8) ^d
+	+	+	+	+	+	+	+	+	+	+	0
-	-	-	-	-	-	-	-	-	-	-	R18

a v 10 present

b also lacks v 4) needs checking

c also lacks v 14 - 15)

d There is need for an isolate lacking v 5/8 but carrying v 11 and v

? Needs checking/à vérifier/muss überprüft werden.

Ad 39: Resistance to Lettuce Mosaic Virus (LMV)

Maintenance of strains

- Maintenance:..... After 15-20 days of incubation infected tissue should be sliced and desiccated over calcium chloride and stored at 4°C. Infectivity may last 1 to 3 years. Contamination can be avoided in this way.
- Multiplication:..... Pre-multiplication of the virus on a susceptible variety (e.g. Hilde or Trocadero) prior to testing under normal conditions. Only virus-free seed samples should be used for that purpose.

Execution of test

- Growth stage of plants:..... First inoculation at 2 to 3 leaves stage
- Temperature: Constant temperature at 16°C during night (N) and at 22°C during day (D) or, alternatively, variable temperature at 20°C N, 25°C D during 5 days after inoculation followed by 12°C N and 18°C D.
- Light conditions: From emergence: 16 hours per day, at least 15,000 Lux.
- Preparation of inoculum: Young leaves of diseased lettuce plants showing clear LMV symptoms (after 15-25 days of incubation) should be ground (1 g fresh leaves per 4 ml) in a mortar adding a 0.03 M Na₂HPO₄-buffer containing 0.2% DIECA(*). Prior to inoculation 75 mg/ml carborundum and 75 mg/ml activated charcoal should be added.
(*) *Composition of buffer*: per 100 ml: 1.07 g Na₂HPO₄ 12H₂O, 0.2 g DIECA
- Method of inoculation: Mechanical inoculation by rubbing on the two first leaves, followed by a second inoculation 2-3 days afterwards. The inoculum is kept in an ice bucket during inoculation.

Duration of test

- From sowing to inoculation:..... About 2 weeks
 - From inoculation to reading: About 2 to 3 weeks; first reading after 15 days
- Number of plants tested:..... 30 plants and 6 repetitions
- Remarks: – Strains: New strains of LMV have been isolated in Europe (France, Greece, Spain) by Dinant and Lot (1992), Plant Pathology 41:528-542. The naming of the strains is not yet internationally accepted; but names of pathotypes have recently been proposed (Pink, Lot and Johnson (1992), Euphytica 63:169-174).
- Symptoms (under test conditions): The expression of the symptoms depends on the strains and the lettuce genotypes. For the old Ls-1 strain used for testing the 'Gallega'-gene, the typical reactions can be summarized as follows:
 - Butterhead cultivars show essentially vein clearing and mosaic;
 - Crisp or Iceberg cultivars show chlorosis along the veins and faint mosaic;
 - Cos cultivars show reduced growth of the inner leaves and blistering;
 - In red varieties symptoms are particularly difficult to observe.

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Lycopersicon lycopersicum L. Karsten ex. Farw.

TOMATO

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/2 and UPOV Guideline TG/44/10 dated 4th April 2001 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to varieties of *Lycopersicon lycopersicum* L. Karsten ex Farw. (*Lycopersicon esculentum* Mill.).

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF:

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE:

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. PLANT MATERIAL REQUIREMENTS

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant in one or more samples¹ (the figures in brackets correspond to a split sample, with an initial delivery for the realisation of the DUS test, and a subsequent – greater – submission after completion of this, for variety collection purposes).

¹ Subject to feasibility study.

	Request of examination	Plant material	Seed requirements
FRANCE	01/01	01/02	s*) 2,500 seeds (1,000 + 1,500) ¹ vg*) 25 plants vo*) 50 plants per growing period
NAKTuinbouw (NL)	open	open	s*) 2,500 seeds (1,000 + 1,500) ¹ vg*) 25 plants vo*) 50 plants per growing period
RvhK (NL)	s*) 15/01 vg*) open vg*) open	s*) 15/02 vg*) open vg*) open	s*) 2,500 seeds (1,000 + 1,500) ¹ vg*) 25 plants vo*) 50 plants per growing period
SPAIN	s*) 01/11	s*) 01/12 s*)	2,500 seeds (1,000 + 1,500) ¹ vg*) 25 plants vo*) 50 plants per growing periods

s*) Seed propagated varieties

vg*) Vegetatively propagated varieties greenhouse

vo*) Vegetatively propagated varieties outdoor

Quality of seed:..... Should not be less than the standards laid down for certified seed in Annex 2 of EC Directive 70/458.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:..... –

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference
– Name of applicant
– The phrase "On request of the CPVO".
– In the case of a split sample, the quantity of seed being submitted¹.

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

¹ Subject to feasibility study.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate the work with other offices involved in DUS-testing of tomato. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following (CPVO numbering!):

- a) Plant: growth type (characteristic 2)
- b) Leaf: division of blade (characteristic 9)
- c) Peduncle: abscission layer (characteristic 20)
- d) Fruit: shape in longitudinal section (characteristic 24)
- e) Fruit: number of locules (characteristic 33)
- f) Fruit: green shoulder (before maturity) (characteristic 34)
- g) Fruit: colour at maturity (characteristic 38)
- h) Resistance to *Meloidogyne incognita* (characteristic 45)
- i) Resistance to *Verticillium dahliae* (characteristic 46)
- j) Resistance to *Fusarium oxysporum* f. sp. *lycopersici* Race 0 (ex1) (characteristic 47.1)
- k) Resistance to *Fusarium oxysporum* f. sp. *lycopersici* Race 1 (ex2) (characteristic 47.2)
- l) Resistance to Tomato Mosaic Virus – Strain 0 (characteristic 50.1)
- m) Resistance to Tomato Mosaic Virus – Strain 1 (characteristic 50.2)
- n) Resistance to Tomato Mosaic Virus – Strain 2 (characteristic 50.3)
- o) Resistance to Tomato Mosaic Virus – Strain 1-2 (characteristic 50.4)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. For vegetatively propagated varieties, the duration of the testing may be reduced to one growing cycle if the results on distinctness and uniformity are conclusive. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum, each test should include a total of 20 plants in the greenhouse or 40 plants in the open which should be divided between two replicates.

All observations determined by measurement or counting should be made on 20 plants or parts of 20 plants.

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

B) UNIFORMITY

A population standard of 1% and an acceptance probability of at least 95% should be applied.

A candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below.

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
5	0
6-35	1
36-82	2

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report and the final report shall be sent by the Examination Office to the CPVO.

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ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

CPVO N°	UPOV N°	Characteristics	Examples	Note
1.	1.	Seedling: anthocyanin colouration of hypocotyl		
		absent		1
		present	Montfavet H 63.4	9
2. (+)	2. (+)	Plant: growth type		
		determinate	Campbell 1327, Prisca	1
		indeterminate	Marmande VR, Saint-Pierre, San Marzano 2	2
3.	3.	Only determinate growth type varieties:		
		Plant: number of inflorescences on main stem (side shoots to be removed)		
		few	Campbell 1327	3
		medium	Montfavet H 63.4	5
		many	Prisca	7
4. (+)	4. (+)	Stem: anthocyanin colouration of upper third		
		absent or very weak		1
		weak	Montfavet H 63.5	3
		medium	Rondello	5
		strong	Grinta, Nemato	7
		very strong		9
5. (+)	5. (+)	Only indeterminate varieties:		
		Stem: length of internode (between 1st and 4th inflorescence)		
		short	Trend, Dombito, Manific, Paso	3
		medium	Montfavet H 63.5	5
		long	Berdy, Calimero	7
6.	6.	Leaf: attitude (in middle third of plant)		
		semi-erect	Allround, Drakar, Vitador	3
		horizontal	Triton, Aromata	5
		semi-drooping	Montfavet H 63.5	7
7.	7.	Leaf: length		
		short	Nelson, Red Robin, Tiny Tim	3
		medium	Lorena	5
		long	Montfavet H 63.5	7
8.	8.	Leaf: width		
		narrow	Marmande VR, Tiny Tim, Red Robin	3
		medium		5
		broad	Saint-Pierre	7
9.	9.	Leaf: division of blade		
		pinnate	Pilot, Red Jacket, Mikado	1
		bipinnate	Lukullus, Saint-Pierre	2
10. (+)	10. (+)	Leaf: size of leaflets (in middle of leaf)		
		very small	Minitom	1
		small	Tiny Tim	3
		medium	Marmande VR, Royesta	5
		large	Daniela, Hynema	7
		very large	Dombo	9
11.	11.	Leaf: intensity of green colour		
		light	Macero II, Rossol, Poncette	3
		medium	Lucy	5
		dark	Allround, Lorena, Red Robin, Daniela	7
12.	12.	Leaf: glossiness (as for 6)		
		weak	Daniela	3
		medium	Marmande VR	5
		strong	Guindilla	7

CPVO N°	UPOV N°	Characteristics	Examples	Note
13.	13.	Leaf: blistering (as for 6)		
		weak	Daniela	3
		medium	Marmande VR	5
		strong	Delfine, Tiny Tim	7
14.	14.	Leaf: size of blisters (as for 6)		
		small	Husky Cherrie Red	3
		medium	Marmande VR	5
		large	Daniela, Egéris	7
15. (+)	15. (+)	Leaf: attitude of petiole of leaflet in relation to main axis (as for 6)		
		semi-erect	Blizzard, Marmande VR	3
		horizontal	Sonatine	5
		semi-drooping	Montfavet H63.5	7
16.	16.	Inflorescence: type (2nd and 3rd truss)		
		mainly uniparous	Dynamo	1
		intermediate	Harzfeuer	2
		mainly multiparous	Marmande VR	3
17.	17.	Flower: fasciation (1st flower of inflorescences)		
		absent	Monalbo, Moneymaker	1
		present	Marmande VR	9
18. (+)	18. (+)	Flower: pubescence of style		
		absent	Campbell 1327	1
		present	Saint-Pierre	9
19.	19.	Flower: colour		
		yellow	Marmande VR	1
		orange	Pericherry	2
20. (+)	20. (+)	Peduncle: abscission layer		
		absent	Aledo, Bandera, Count, Lerica	1
		present	Montfavet H 63.5, Roma	9
21. (+)	21. (+)	<i>Only for varieties with abscission layers:</i>		
		Peduncle: length (from abscission layer to calyx)		
		short	Cerise, Montfavet H 63.18, Rossol, Ferline	3
		medium	Dario, Primosol	5
		long	Erlidor, Ramy, Ranco	7
22.	22.	Fruit: size		
		very small	Cerise, Sweet 100	1
		small	Early Mech, Europeel, Roma	3
		medium	Alphamech, Diego	5
		large	Carmello, Ringo	7
		very large	Erlidor, Lydia, Muril	9
23. (+)	23. (+)	Fruit: ratio length/diameter		
		very small	Campbell 28, Marmande VR	1
		small	Alicia	3
		medium	Early Mech, Peto Gro	5
		large	Rio Grande, Rimone	7
		very large	Macero II, Elko	9
24. (+)	24. (+)	Fruit: shape in longitudinal section		
		flattened	Campbell 28, Marmande VR	1
		slightly flattened	Montfavet H 63.5, Montfavet H 63.4	2
		circular	Cerise Moneymaker	3
		rectangular	Early Mech, Peto Gro	4
		cylindrical	Hypeel 244, Macero II, San Marzano 2	5
		elliptic	Alcaria, Castone	6
		heart-shaped	Valenciano	7
		obovate	Barbara	8
		ovate	Rimone, Rio Grande	9
		pear-shaped	Europeel	10

CPVO N°	UPOV N°	Characteristics	Examples	Note
25.	25.	Fruit: ribbing at peduncle end		
		absent or very weak	Calimero, Cerise	1
		weak	Early Mech, Hypeel 244, Melody, Peto Gro, Rio Grande	3
		medium	Montfavet H 63.4, Montfavet H 63.5	5
		strong	Campbell 1327, Carmello, Count	7
		very strong	Costeluto Fiorentino, Marmande VR	9
26.	26.	Fruit: cross section		
		not round	Ranco, San Marzano	1
		round	Cerise, Ferline, Rondello	2
27. (+)	27. (+)	Fruit: depression at peduncle end		
		absent or very weak	Europeel, Heinz 1706, Rossol, Sweet Baby	1
		weak	Futura, Melody	3
		medium	Carmello, Count, Fandango, Saint-Pierre	5
		strong	Ballon Rouge, Marmande VR	7
		very strong		9
28.	28.	Fruit: size of peduncle scar		
		very small	Cerise, Heinz 1706, Sweet Baby	1
		small	Early Mech, Peto Gro, Rio Grande	3
		medium	Montfavet H 63 4, Montfavet H 63 5	5
		large	Apla, Campbell 1327, Carmello, Fandango, Flora Dade	7
		very large	Marmande VR	9
29.	29.	Fruit: size of blossom scar		
		very small	Cerise, Early Mech, Europeel, Heinz 1706, Peto Gro, Rio Grande	1
		small	Montfavet H 63.4, Montfavet H 63.5	3
		medium	Alphamech, Apla, Carmello, Floradade	5
		large	Campbell 1327, Count, Marmande VR, Saint-Pierre	7
		very large		9
30. (+)	30. (+)	Fruit: shape at blossom end		
		indented	Marmande VR, Super Mech	1
		indented to flat		2
		flat	Montfavet H 63.4, Montfavet H 63.5	3
		flat to pointed	Cal J, Early Mech, Peto Gro	4
		pointed	Europeel, Heinz 1706, Hypeel 244, Roma VF	5
31.	31.	Fruit: size of core in cross section (in relation to total diameter)		
		very small	Cerise	1
		small	Early Mech, Europeel, Heinz 1706, Peto Gro, Rio Grande, Rossol	3
		medium	Montfavet H 63.4, Montfavet H 63.5	5
		large	Apla, Campbell 1327, Carmello, Count, Fandango, Floradade	7
		very large	Marmande VR, Valenciano	9
32.	32.	Fruit: thickness of pericarp		
		thin	Marmande VR	3
		medium	Carmello, Europeel, Floradade, Heinz 1706 Montfavet H 63.5	5
		thick	Cal J, Ferline, Peto Gro, Rio Grande, Daniela	7
33.	33.	Fruit: number of locules		
		only two	Early Mech, Europeel, San Marzano	1
		two or three	Alphamech, Futuria	2
		three or four	Montfavet H 63.5	3
		four, five or six	Raïssa, Tradiro	4
		more than six	Marmande VR	5
34.	34.	Fruit: green shoulder (before maturity)		
		absent	Rio Grande, Felicia, Trust	1
		present	Montfavet H 63.5, Daniela	9

CPVO N°	UPOV N°	Characteristics	Examples	Note
35.	35.	Fruit: extent of green shoulder (as for 34) small medium large	Cristy, Firestone Erlidor, Foxy, Montfavet H 63.5 Cobra, Delisa, Epona, Manific	3 5 7
36.	36.	Fruit: intensity of green colour of shoulder (as for 34) light medium dark	Juboline Montfavet H 63.5 Erlidor, Xenon, Ayala	3 5 7
37.	37.	Fruit: intensity of green colour <i>before</i> maturity light medium dark	Capello, Duranto, Trust Rody Ayala, Tatiana, Uragano	3 5 7
38.	38.	Fruit: colour at maturity cream yellow orange pink red brownish	Jazon, White Mirabell Goldene Königin, Yellow Pear Sungold House Momotaro Ferline, Montfavet H 63.5, Daniela Ozyrys	1 2 3 4 5 6
39.	39.	Fruit: colour of flesh (at maturity) cream yellow orange pink red brownish	Jazon Jubilée Sungold Regina Ferline, Saint-Pierre Ozyrys	1 2 3 4 5 6
40. (+)	40. (+)	Fruit: firmness very soft soft medium firm very firm	Marmande VR Trend Cristina Fernova, Konsul, Tradiro Daniela, Karat, Lolek	1 3 5 7 9
41. (+)	42. (+)	Time of flowering early medium late	Feria, Primabel Montfavet H 63.5, Prisca Manific, Saint-Pierre	3 5 7
42.	43.	Time of maturity very early early medium late very late	Sungold, Sweet Baby, Dolcevida Feria, Rossol Montfavet H 63.5 Manific, Saint-Pierre Daniela	1 3 5 7 9
43.	44.	Fruit: dry matter content (at maturity) low medium high	Bonset Coudoulet, Aloha	3 5 7

Note: Only resistances marked with an asterik (*) are compulsory.

In general for the assessment of resistance characteristics, the facilities of other Examination Offices or specialised institutions might be used, subject to previous arrangements.

Some characteristics may be discarded: if there are already phytosanitary restrictions.

CPVO N°	UPOV N°	Characteristics	Examples	Note
44. (+)	45. (+)	Sensitivity to silvering insensitive sensitive	Marathon, Sano Sonatine	1 9

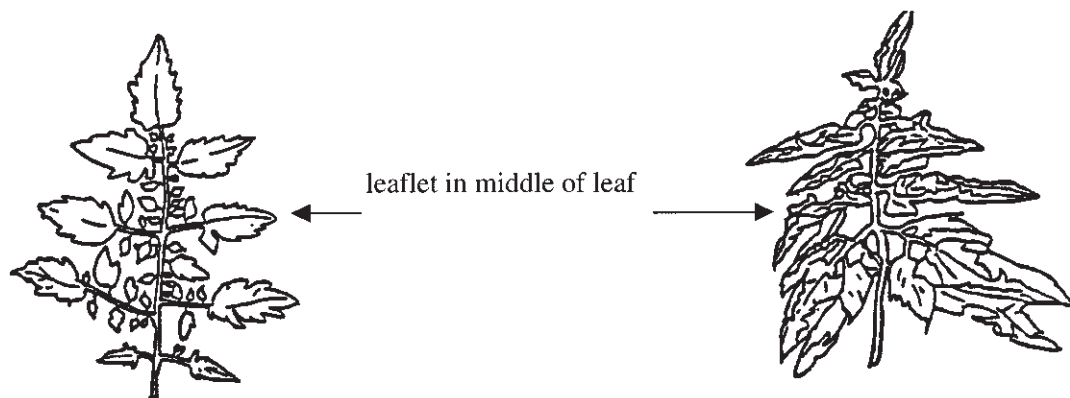
CPVO N°	UPOV N°	Characteristics	Examples	Note
45. (*)(+)	46. (+)	Resistance to <i>Meloidogyne incognita</i> absent present	Casaque Rouge, Clairvil Anabel, Anahu	1 9
46. (*)(+)	47. (*)(+)	Resistance to <i>Verticillium dahliae</i> – Race 0 absent present	Anabel, Marmande verte Clairvil, Marmande VR	1 9
47. (+)	48. (+)	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>		
47.1 (*)	48.1 (*)	– Race 0 (ex 1) absent present	Marmande verte Anabel, Marporum, Marsol	1 9
47.2 (*)	48.2 (*)	– Race 1 (ex 2) absent present	Marmande verte Motelle, Walter	1 9
48. (+)	49. (+)	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>radicis lycopersici</i> absent present	Motelle Momor	1 9
49. (+)	50. (+)	Resistance to <i>Cladosporium fulvum</i>		
49.1	50.1	– Race 0 absent present	Monalbo Angela, Estrella, Sonatine, Sonato, Vemone	1 9
49.2	50.2	– Group A absent present	Monalbo Angela, Estrella, Sonatine, Sonato	1 9
49.3	50.3	– Group B absent present	Monalbo Angela, Estrella, Sonatine, Sonato, Vemone	1 9
49.4	50.4	– Group C absent present	Monalbo Angela, Estrella, Sonatine	1 9
49.5	50.5	– Group D absent present	Monalbo Estrella, Sonatine, Vemone	1 9
49.6	50.6	– Group E absent present	Monalbo Sonatine	1 9
50. (+)	51. (+)	Resistance to Tomato Mosaic Virus		
50.1 (*)	51.1 (*)	– Strain 0 absent present	Monalbo Mobaci, Mocimor, Moperou	1 9
50.2 (*)	51.2 (*)	– Strain 1 absent present	Monalbo Mocimor, Moperou	1 9
50.3 (*)	51.3 (*)	– Strain 2 absent present	Monalbo Mobaci, Mocimor	1 9
50.4 (*)	51.4 (*)	– Strain 1-2 absent present	Monalbo Lucy, Mocimor, Momor, Rapids	1 9
51. (+)	52. (+)	Resistance to <i>Phytophthora infestans</i> absent present	Heinz 1706, Saint Pierre Helene, Pieraline, Pyros	1 9

CPVO N°	UPOV N°	Characteristics	Examples	Note
52. (+)	53. (+)	Resistance to <i>Pyrenochaeta lycopersici</i>		
		absent	Montfavet H 63.5	1
		present	Kyndia, Moboglan, Pyrella	9
53. (+)	54. (+)	Resistance to <i>Stemphylium</i> spp.		
		absent	Monalbo	1
		present	Motelle	9
54. (+)	55. (+)	Resistance to <i>Pseudomonas syringae</i> pv. tomato		
		absent	Monalbo	1
		present	Ontario 7710	9
55. (+)	56. (+)	Resistance to <i>Ralstonia solanacearum</i> – race 1		
		absent	Floradel	1
		present	Caraïbo	9
56. (+)	57. (+)	Resistance to Tomato Yellow Leaf Curl Virus		
		absent	Montfavet H 63.5	1
		present	TY 20, Anastasia, Mohawk	9
57. (+)	58. (+)	Resistance to Tomato Spotted Wilt Virus		
		absent	Montfavet H 63.5	1
		present	Lisboa	9
58. (+)	59. (+)	Resistance to <i>Leveillula taurica</i>		
		absent	Montfavet H 63.5	1
		present	Atlanta	9
59. (+)	60. (+)	Resistance to <i>Oidium lycopersicum</i>		
		absent	Montfavet H 63.5	1
		present	Romiro	9

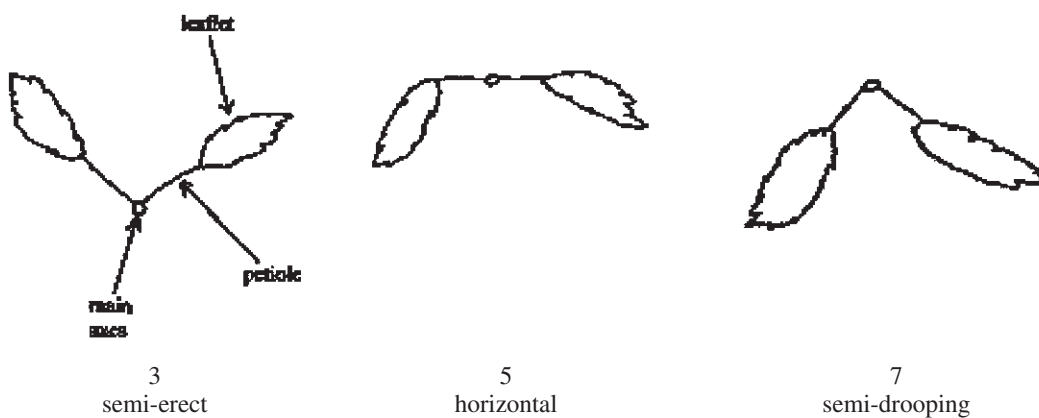
ANNEX 2

EXPLANATIONS AND METHODS

Ad. 10: Leaf: size of leaflets (in middle of leaf)



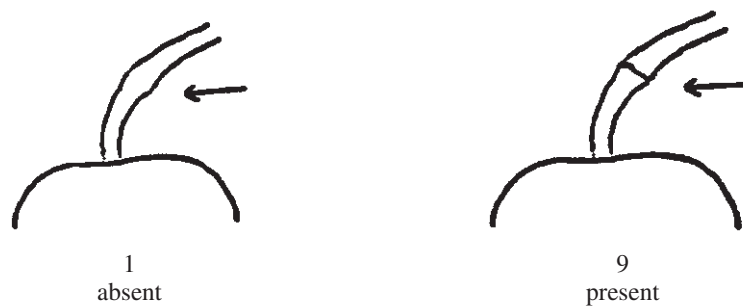
Ad. 15: Leaf: attitude of petiole of leaflet in relation to main axis



Ad. 18: Flower: pubescence of style

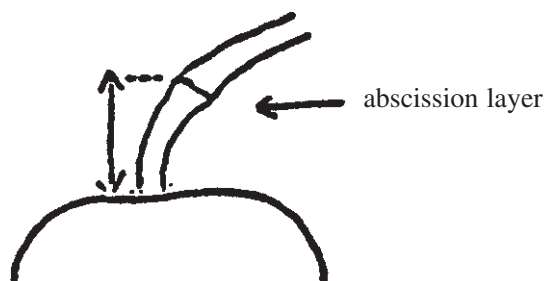
Some non-hairy varieties can present some rare and small hairs at the base of the style.

Ad. 20: Peduncle abscission layer



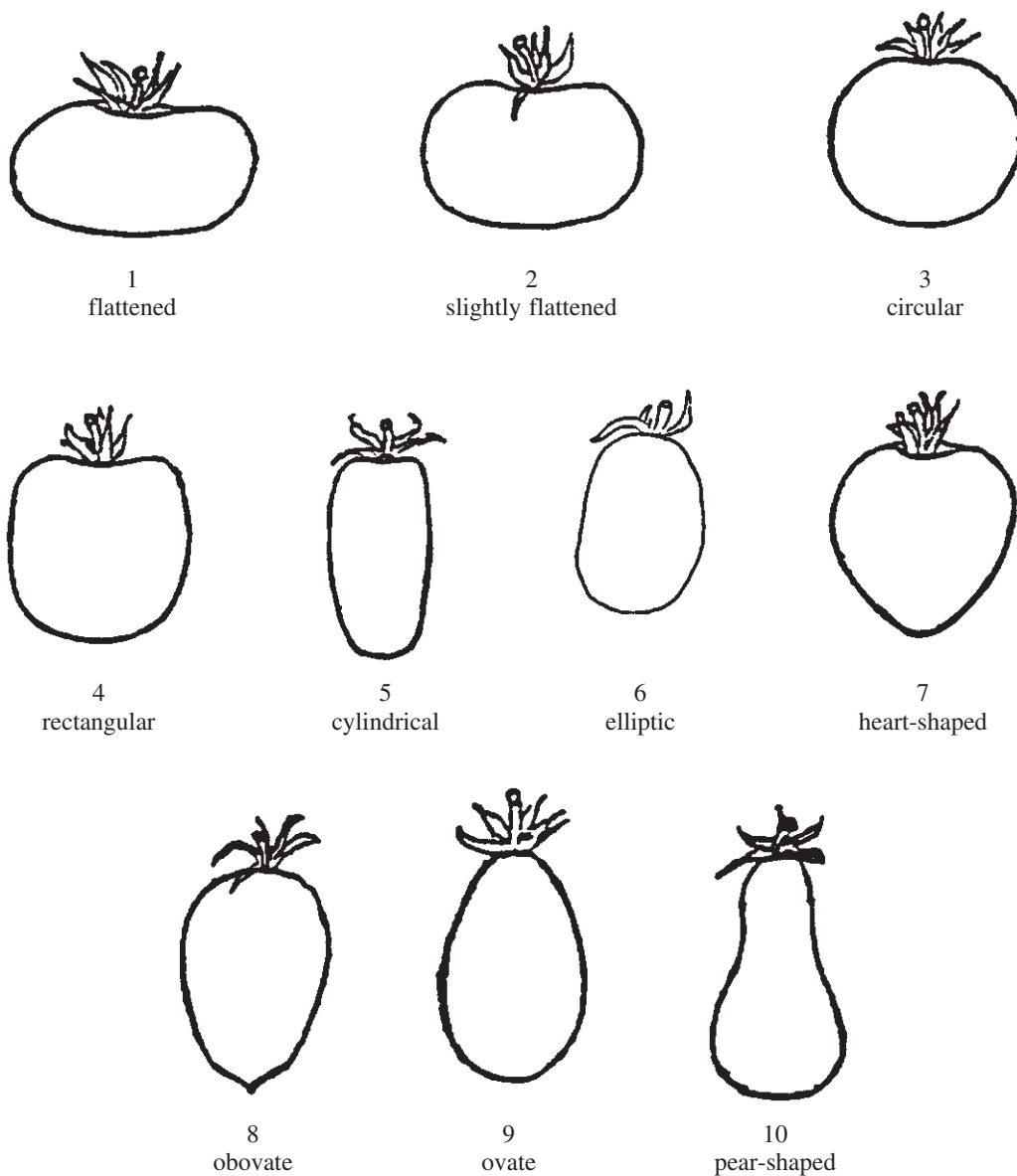
Some varieties which have only a collar instead of an abscission layer (heterozygous for the gene which controls the presence of the joint) are considered as jointless ("absent (1)").

Ad. 21: Only for varieties with abscission layers: Peduncle: length (from abscission layer to calyx)

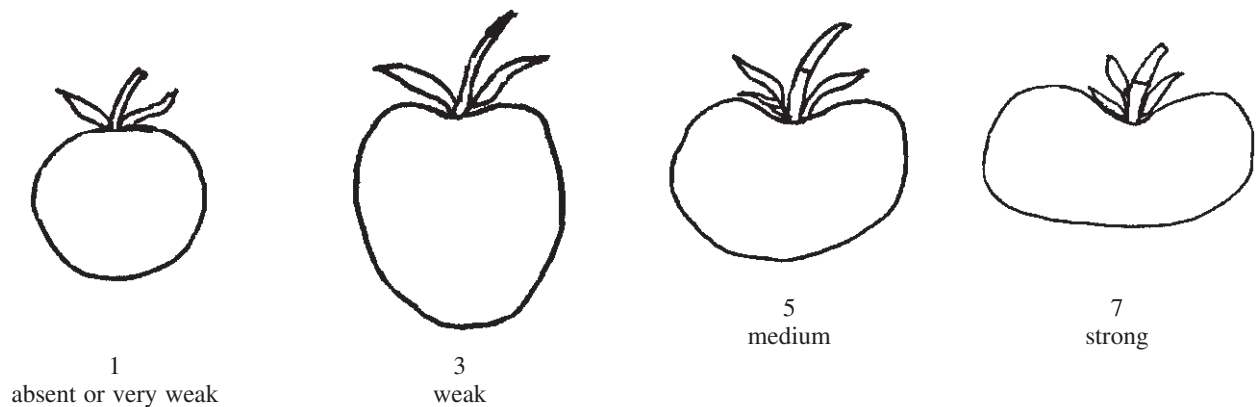


short	3	7-9 mm
medium	5	9-14 mm
long	7	14-18 mm

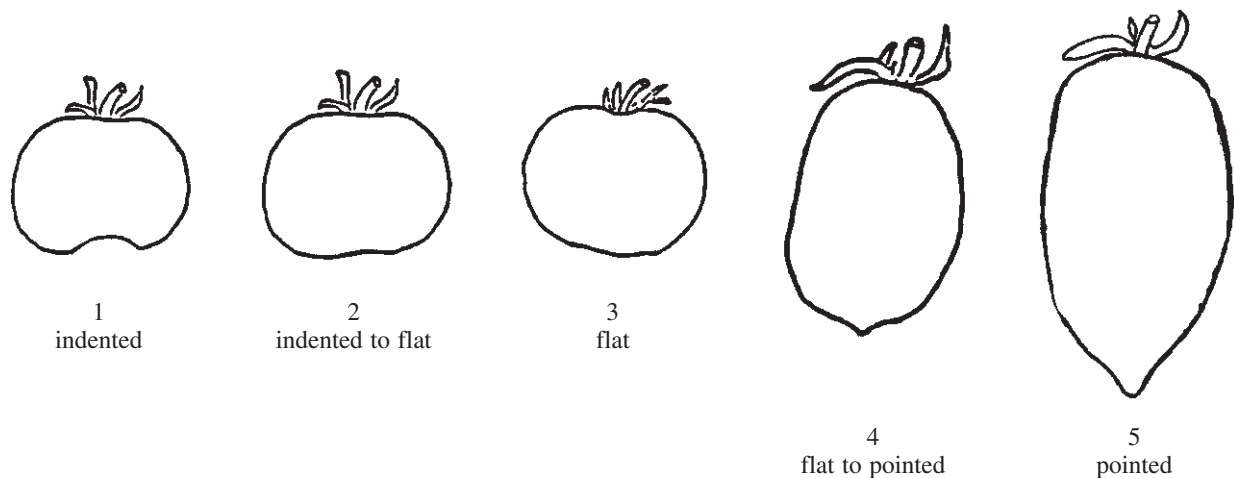
Ad. 24: Fruit: shape in longitudinal section



Ad. 27: Fruit: depression at peduncle end



Ad. 30: Fruit: shape at blossom end



Ad. 40: Fruit: firmness

Method

Harvesting stage:..... fruits should be harvested when they are completely coloured.

Determining firmness: determine by hand the firmness of the fruits compared to the standard varieties.

Ad. 42: Time of flowering

For staked varieties, this characteristic is assessed by observing the flowering date of the third flower on the second and third trusses, plant by plant. It is recommended not to record the time of flowering on the first trusse, as the expression on the first trusse is more influenced by the seed vigor and the plantation quality.

The date of flowering is recorded by the plot average, trusse by trusse.

For determinate non-staked varieties, it is recommended to grow them on pruned stakes on the main stem and to record the characteristics in the same way as those for 'staked varieties'. On non-staked crops, this characteristic cannot be observed due to the branching of the plant.

Ad. 45: Sensitivity to silvering

Method

Evaluation:	Evaluation is done on fully-grown plants
Execution of test:	As silvering only occurs under specific growing conditions, these conditions have to be present during growth.
Sowing:	Under short day conditions (November/December in Northern Europe). Normal planting in the soil or in an artificial medium in the greenhouse
Temperature:	day temperature maximum 18°C
Light:	normal daylight
Growing method:	no special method necessary
Duration of test:	4-5 months
Number of plants tested:	minimum of 20
Observation of the expression:	A visual survey has to be made on the presence of leaves that show signs of silvering.
Standard varieties:	expression absent: Marathon, Sano expression present: Sonatine

Ad. 46: Resistance to *Meloidogyne incognita***Method***Maintenance of strain*

Type of medium:	on roots of susceptible varieties (grown in the greenhouse)
Special conditions:	avoid rotting of roots

Execution of test

Temperature:	not over 28°C
Growing method:	in the greenhouse
Method of inoculation:	dishes are inoculated with eggs (totally or on sowing lines)

Duration of test

– from sowing to inoculation:	inoculation before sowing,
– from inoculation to reading:	30 to 45 days.
Number of plants tested:	10 to 20.
Remarks:	avoid rotting of roots avoid high temperature on hybrid varieties.
Heterozygote varieties can have a slightly lower level of expression in the test.	
Standard varieties:	susceptible: CLAIRVIL, CASAQUE ROUGE resistant: ANABEL, ANAHU, F1 “ANAHU × MONALBO”

Ad. 47: Resistance to *Verticillium dahliae* race 0**Method***Maintenance of races*

Type of medium:	on agar medium.
Special conditions:	transplantation of races each month.

Execution of test

Growth stage of plants:..... cotyledons expanded.
 Temperature: day: 22°C, night: 16-18°C
 Light: 10 hours
 Growing method: in the greenhouse, under high humidity
 Method of inoculation: soaking of root system in liquid medium of fungi, after cutting radicles, there-
 after replanting

Duration of test

– from sowing to inoculation: 15 to 20 days
 – from inoculation to reading: 25 to 30 days
 Number of plants tested:..... 10 to 20 plants
 Remarks: reading: control presence of *Verticillium* by external symptoms and inside ves-
 sels

Heterozygote varieties can show symptoms of a slightly lower level of expression.

Standard varieties:..... susceptible: ANABEL, MARMANDE Verte
 resistant: CLAIRVIL - MARMANDE VR, F1 “MARMANDE Verte × MAR-
 MANDE VR”

Ad. 48.1 + 48.2: Resistance to *Fusarium oxysporum* f. sp. *lycopersici* race 0 (ex 1) and race 1 (ex 2)

Method*Maintenance of races*

Type of medium:..... on agar medium
 Special conditions:..... 22-25°C, transplantation of races each month

Execution of test

Growth stage of plants:..... cotyledons expanded
 Temperature: day: 28°C, night: 25°C
 Light: 12 hours
 Growing method: under high humidity, in the greenhouse or climatic room
 Method of inoculation: soaking of roots, plants in liquid medium of fungi, after cutting radicles, there-
 after replanting

Duration of test

– from sowing to inoculation: 10 to 20 days
 – from inoculation to reading: 20 to 25 days

Number of plants tested:

Remarks: reading: test with heterozygous F1 varieties must be interpreted carefully
 because *on test* race 1, and even race 0, can attack some plants.

Heterozygote varieties can show symptoms of a slightly lower level of expression

Standard varieties:

susceptible: MARMANDE Verte
 resistant to race 0: MARSOL, ANABEL, MARPORUM, F1 “MARSOL × MARMANDE Verte”
 resistant to race 0 and race 1:..... WALTER, MOTELLE, F1 “MOTELLE × MONALBO”

Ad. 49: Resistance to *Fusarium oxysporum* f. sp. *radicis lycopersici***Method***Maintenance of race*

Type of medium:..... on synthetic medium (according to Messiaen)

Special conditions:..... fridge 4°C

Execution of test

Growth stage of plants:..... appearance of third leaf

Temperature: day: 22°C, night: 16°C

Light:..... 14 hours

Growing method: climatic room

Method of inoculation: soaking of roots and of hypocotyl axis for five minutes in the inoculum. After inoculation, transplantation of plantlets in steam disinfected sand

Duration of test

– from sowing to inoculation: 18 to 20 days

– from inoculation to reading: 10 days

Number of plants tested:..... 10 to 20 plants

Remarks: need for frequent renewal of races because of loss of pathogenicity

Standard varieties:

– susceptible:..... MOTELLE

– resistant: – MOMOR (homozygote)

– F1 MOMOR × MOTELLE (heterozygote)

– the Frl gene does not completely control the disease in the heterozygote stage.

Ad. 50.1-50.5: Resistance to *Cladosporium fulvum***Method***Maintenance of races*

Type of medium:..... synthetic medium

Special conditions:..... 20-22°C, transplantation of races every six weeks

Execution of test

Growth stage of plants:..... 3 leaves expanded

Temperature: day: 24°C, night: 16°C

Light:..... 12 hours

Growing method: in climatic room, highest possible humidity, arresting growth a few days before inoculation by irrigation of roots with ALAR 85 (daminozide).

Method of inoculation: spraying of a solution with the fungus on leaves.

Duration of test

– from sowing to inoculation: 22 to 25 days

– from inoculation to reading: 20 to 25 days

Number of plants tested:..... 30 plants

Remarks: the level of expression of symptoms may vary between plants due to alleles of resistance

Standard varieties:

- susceptible:..... MONALBO
- resistant: has to be chosen with the concerned alleles
 - cf1: STIRLING CASTLE
 - cf2: VETOMOLD
 - cf3: V 121
 - cf4: PURDUE 135
 - cf5: IVT 1149
 - cf2 cf4: VAGABOND
 - cf2 cf5: F1 “VETOMOLD × IVT 1149”
 - cf2 cf4 cf5: F1 “VAGABOND × IVT 1149”
 - cf6: F 77-38
 - cf9: IVT 1154

Race 0: Angela, Estrella, Sonatine, Sonato, Vemone

Group A: Angela, Estrella, Sonatine, Sonato

Group B: Angela, Estrella, Sonatine, Sonato, Vemone

Group C: Angela, Estrella, Sonatine

Group D: Estrella, Sonatine, Vemone

Group E: Sonatine

Ad. 51.1-51.4: Resistance to Tomato Mosaic Virus, strains 0, 1, 2 and 1-2

Method

Maintenance of strains

Type of medium:..... on plants or dry leaf

Special conditions:..... congelation or BOS method

Identification: use the strain 0 inducing necrosis on varieties with allele Tm2²

Execution of test

Growth stage of plants:..... expanded cotyledons

Temperature: day: 30 to 35°C, night: 25 to 30°C

Light: 12 hours

Growing method: in the greenhouse

Method of inoculation: mechanical, by rubbing of cotyledons

Duration of test

– from sowing to inoculation: 12 to 14 days

– from inoculation to reading: 10 to 12 days

Number of plants tested:..... 15 to 30 plants

Standard varieties:

- susceptible:..... MONALBO
- resistant:
 - with alleles Resistant to race
 - Tm 1: MOBACI strains 0 and 2

- Tm 2: MOPEROU strains 0 and 1
- Tm 2²: MOMOR - RAPIDS..... strains 0, 1, 2 and 1-2
- Tm 1 - Tm 2²: MOCIMOR strains 0, 1, 2 and 1-2
- Tm 2²+: MOMOR × MONALBO strains 0, 1, 2 and 1-2

Ad. 52: Resistance to *Phytophthora infestans*

Method

Maintenance of race

Type of medium:..... on agar medium

Special conditions:..... 18°C

Execution of test

Growth stage of plants:..... 10 leaves developed

Temperature: 18°C

Light: after inoculation darkness during 24 hours, thereafter 10 hours darkness per day

Growing method: climatic room

Method of inoculation: spraying of spore suspension, use race replicated 3 weeks before inoculation

Duration of test

– from sowing to inoculation: 6 to 7 weeks

– from inoculation to reading: 7 to 8 days

Hygrometry: very high during the first four days after inoculation (cover plants with polyethylene cover)

Remarks: heterozygote varieties can show symptoms of a slightly lower level of expression

Standard varieties:

– susceptible:..... SAINT PIERRE, HEINZ 1706

– resistant: PIERALINE, HELINE, PYROS, F1 “PIERALINE × PIERALBO”

Ad. 53: Resistance to *Pyrenochaeta lycopersici*

Method

Maintenance of race: method 1: on roots obtained from plants grown in the greenhouse on naturally contaminated soil (or with enforced natural contamination);
method 2: inoculum grown on sand or mould, mixed with oat-meal and sterilized in the autoclave (artificial infection)

Execution of test

Growth stage of plants:..... method 1: on adult plants around fruit maturity
method 2: 4 to 6 weeks after sowing (first flowering inflorescence)

Temperature: day: 24°C; night: 14°C

Light: 12 hours minimum

Growing method and Method of inoculation:

method 1: plants are planted in contaminated soil mixed with cut contaminated roots

method 2: plants are sown in steam-disinfected sandy mould mixed with inoculum

Duration of test

- from sowing to inoculation: method 1: 6 weeks
method 2: when sowing
- from inoculation to reading: method 1: 3 to 4 months
method 2: 4 to 6 weeks

Number of plants tested: 10 minimum

Remarks: method 1: is more efficient to clearly separate susceptible from resistant plants
method 2: pathogenicity of the strains has to be tested before inoculation on roots of young plants

Standard varieties: susceptible: MONTFAVET H 63.5
resistant: KYNDIA, MOBOGLAN, PYRELLA

Ad. 54: Resistance to *Stemphylium* spp.

Method*Maintenance of isolate*

Type of medium: on synthetic medium

Special conditions: fridge 4 C without light

Execution of test

Growth stage of plants: three leaves expanded

Temperature: constant, day: 24°C, night: 24°C

Light: 12 hours

Growing method: climatic room

Method of inoculation: pulverisation on leaves

Duration of test

- from sowing to inoculation: 20 to 22 days

- from inoculation to reading: 10 days

Number of plants tested: 30 plants

Remarks: production of inoculum on medium V8 under light

Standard varieties: susceptible: MONALBO
resistant: MOTELLE, F1 MOTELLE × MONALBO

Ad. 55: Resistance to *Pseudomonas syringae* pv. tomato

Method*Maintenance of races*

Type of medium: on KING B medium

Special conditions: 20-22°C in the dark, transplantation every 10 days

Execution of test

Growth stage of plants: three leaves expanded

Temperature: day: 22°C, night: 16°C

Light: 12 hours

Growing method: climatic room in summer, glasshouse in winter

Method of inoculation: pulverisation on leaves

Duration of test

– from sowing to inoculation: 20 to 22 days

– from inoculation to reading: 8 days

Number of plants tested: 30 plants

Remarks: races to be renewed each year

Standard varieties: susceptible: MONALBO
resistant: ONTARIO 7710, F1 MONALBO × ONTARIO 7710

Ad. 56: Resistance to *Ralstonia solanacearum*, (ex. *Pseudomonas solanacearum*) race 1

Method

Maintenance of race: Two races may affect Tomato: race 1 (active between 25-30°C) and race 3 (active between 20-23°C)

Type of medium: Freezing at –80°C; culture in PYDAC emersed in oil; suspension in sterile distilled water

Special conditions: conservation at 15°C in sterile distilled water

Execution of test

Growth stage of plants: three to four well-developed leaves

Temp. (in climatic chamber): day: 26-30°C; night: 25°C

Light: 10-12 hours

Growing method: 2 possibilities: .. – in climatic chamber: rapid test
– in the field: long test (applicable in tropical climate only)

Method of inoculation: deposit of at least 2 ml of inoculum, adjusted to 10⁷ colonies per ml, at the foot of each plantlet prior to planting

Duration of test

– from sowing to inoculation: 3 to 4 weeks

– from inoculation to reading: – 3 weeks for the fast test
– 2 months for the long test

Number of plants tested: minimum of 30

Remarks: maintain high humidity

Standard varieties: – susceptible: FLORADEL
– resistant: CARAIBO

Ad. 57: Resistance to Tomato Yellow Leaf Curl Virus (TYLCV)

Method

Execution of test: Plants are tested under field crop conditions respecting a period of planting and a place where the disease has been proven to exist. 100% contaminated plants are grown of susceptible local varieties to ensure natural transmission by Bemisia insect and repeatability of the results

Growth stage of plants: on adult plants of field crop outside

Method of inoculation: natural inoculation by Bemisia

Duration of test

- from sowing to inoculation: 6 weeks minimum
- from inoculation to reading: 2.5 months maximum

Number of plants tested: 20 plants minimum

Remarks:

Standard varieties: – susceptible: local varieties
 – resistant : TY 20 or accessions from *L. pimpinellifolium* and from *L. peruvianum*

Ad. 58: Resistance to Tomato Spotted Wilt Virus

Method*Maintenance of races*

Type of medium: on tomato plants or freezing at -70°C

Special conditions:*Execution of test*

Growth stage of plants: one or two leaves expanded

Temperature: day: 20°C , night: 20°C

Light: extra light in winter

Growing method: glasshouse

Method of inoculation: mechanical, rubbing with carborundum on cotyledons, inoculum suspension $< 10^{\circ}\text{C}$

Duration of test

- from sowing to inoculation: 20 days

- from inoculation to reading: 14 to 20 days

Number of plants tested: 15 to 30 plants

Remarks: be aware of thrips

Standard varieties: – susceptible: MONALBO
 – resistant: TSUNAMI, BODAR

Ad. 59: Resistance to *Leveillula taurica*

Method*Maintenance of races*

Type of medium: tomato plants

Special conditions:*Execution of test*

Growth stage of plants: on adult plants of field crop outside

Method of inoculation: natural infection

Duration of test

- from sowing to inoculation: infection possible from planting stage to full grown plants
- from inoculation to reading: before harvest

Number of plants tested:..... 20 plants

Remarks: Yellow chlorotic spots on upper side of leaves, mycelium on lower side of leaves. Check cleistothecia under microscope if it really concerns *Leveillula* and not another powdery mildew.

Standard varieties:..... – susceptible: MONALBO
– resistant: ATLANTA

Ad. 60: Resistance to *Oidium lycopersicum*

Method

Type of medium:..... on tomato plants

Special conditions:..... climatic room

Execution of test

Growth stage of plants:..... 3 weeks

Temperature: 24°C during the day; 18°C during the night

Light: 12 hours

Method of inoculation: – by spraying (10^4 conidies/ml) on leaves
– by dredging (uncontrolled inoculum) on leaves

Execution of test

Duration of test

– from sowing to inoculation: 18-20 days

– from inoculation to reading: 15-18 days

Number of plants tested:..... 30 plants/lot

Remarks:

Scale of notes:.....	– no sporulation	}	Resistant
.....	– sporulation without extension (nécrotic points)		
	– moderated sporulation	}	Susceptible
	– abundant sporulation		

Standard varieties:..... – susceptible: Momor (*L. esculentum*)
– resistant: *L. hirsutum* P1247087 (accession)

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Phaseolus vulgaris L.

FRENCH BEAN

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/2 and UPOV Guideline TG/12/8 + Corr. dated 4th November 1994 + 20th January 1995 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to varieties of *Phaseolus vulgaris* L.

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF:

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. SEED REQUIREMENTS

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant in one or more samples¹ (the figures in brackets correspond to a split sample, with an initial delivery for the realisation of the DUS test, and a subsequent – greater – submission after completion of this, for variety collection purposes).

¹ Subject to feasibility study.

	Request of examination	Plant material	Seed requirements
FRANCE	01/04	15/04	20,000 seeds (4,000 + 16,000) ¹
GERMANY	01/02	01/03	9,000 seeds (2,000 + 7,000) ¹
NAKTuinbouw (NL)	31/05	31/05	5,000 seeds (2,000 + 3,000) ¹
RvhK (NL)	15/01	15/02	5,000 seeds (2,000 + 3,000) ¹
SPAIN	01/02	01/03	20,000 seeds (4,000 + 16,000) ¹

Quality of seed:..... Should not be less than the standards laid down for certified seed in Annex 2 of EC Directive 70/458.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.

Special requirements:.....

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of the CPVO".
– In the case of a split sample, the quantity of seed being submitted¹

III. CONDUCT OF TESTS

1. VARIETY COLLECTION

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

¹ Subject to feasibility study.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate the work with other offices involved in DUS-testing of French bean. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following:

- a) Plant: growth type (characteristic 2)
- b) Flower: colour of standard (characteristic 14)
- c) Pod: median width (characteristic 18)
- d) Pod: shape of cross-section (through seed) (characteristic 19)
- e) Pod: ground colour (characteristic 21)
- f) Pod: stringiness (characteristic 26)
- g) Seed: weight (characteristic 34)
- h) Seed: number of colours (characteristic 39)
- i) Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*)
Race Lambda (characteristic 46.1)
- j) Resistance to Bean Common Mosaic Virus (BMCV) (characteristic 47)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum each test should include a total of 150 plants for dwarf beans and 60 plants for climbing beans, divided between two replicates.

All observations determined by measurement or counting should be made on 20 plants or parts of 20 plants.

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

B) UNIFORMITY

For the assessment of uniformity a population standard of 1% for dwarf beans and 2% for climbing beans with an acceptance probability of at least 95% should be applied.

A candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below.

Table of maximum numbers of off-types allowed for uniformity standards

Dwarf beans	Number of plants	off-types allowed
	5	0
	6-35	1
	36-82	2
	83-137	3
	138	4
Climbing French beans	Number of plants	off-types allowed
	5	0
	3-18	1
	19-41	2
	42-69	3
	70-99	4
	100-131	5

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may

be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The interim report and final report shall be sent by the Examination Office to the CPVO.

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ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

Characteristics		Examples	Note
1. Plant: anthocyanin colouration of hypocotyl	absent	Tuf (D)	1
	present	Delinel (D), Vilbel (D)	9
2. Plant: growth type	dwarf	Callide (D), Capitole (D)	1
	climbing	Phenomene (C), Bacle (C)	2
3. Dwarf beans only: Plant: dwarf type	non-vining	Callide (D), Capitole (D)	1
	vining	Great Northern (D), Felspar (D), Spinel (D)	2
4. Dwarf Beans only: Plant height	low	Goldfish (D)	3
	medium	Fori (D)	5
	high	Nerina (D), Rote von Paris (D)	7
5. Climbing beans only: Plant: start of climbing (80% of plants)	early	Perle von Marbach (C)	3
	medium	Trebona (C)	5
	late	Record (C)	7
6. Climbing beans only: Plant: speed of climbing	slow		3
	medium	Meicy (C)	5
	rapid	Perle von Marbach (C)	7
7. Leaf: green colour	very light		1
	light	Goldelfe (C),	3
	medium	Rote von Paris (D)	5
	dark	Fori (D), Valja (D)	7
	very dark	Dubra (D), Goldfish (D), Silvia (C)	9
8. Leaf: rugosity	weak	Goldfish (D), Groffy (D), Record (C), Valja (D)	3
	medium	Butterzart (D), Fillety (D), Fiori (D), Neckarkönigin (C)	5
	strong	Loma (D)	7
9. Terminal leaflet: size	small	Goldfish (D)	3
	medium	Prelude (D)	5
	large	Facta (D), Longking (D), Rote von Paris (D)	7
10. Terminal leaflet: shape	triangular	Aber (D), Candide (D)	1
	triangular to circular	Facta (D)	2
	circular	Felix (D), Niver (D), Acarli (D)	3
	circular to quadrangular	Calas (D), Capitole (D), Dorabel (D)	4
	quadrangular	Ace (D), Carlyn (D), Madrigal (D)	5
11. Terminal leaflet: apex	short acuminate		3
	medium acuminate	Goldfish (D), Tuf (D)	5
	long acuminate	Nerina (D), Flo (D), Prelude (D)	7
12. Dwarf beans only: Inflorescences: location (at full flowering)	in foliage	Ryco (D)	1
	partly in foliage	Valja (D), Tuf (D)	2
	above foliage	Daisy (D), Goldetta (D)	3
13. Flower: size of bract	small	Fanion (D), Fidel (C), Mrkant (C), Nerina (D), Ryco (D)	3
	medium	Meicy (C), Torrina (D)	5
	large	Label (D), Pfälzer Juni (D), Toplong (C)	7
14. Flower: colour of standard	white	Tuf (D)	1
	pink	Maxi (D), Vilbel (D)	2
	violet	Delinel (D), Purpel Teepee (D)	3
15. Flower: colour of wing	white	Tuf (D)	1
	pink	Maxi (D), Vilbel (D)	2
	violet	Delinel (D), Purple Teepee (D)	3

Characteristics		Examples	Note
16. White seeded varieties only:	white	Jolanda (D)	1
Grain: colour of immature seed (at beginning of swelling of pod)	light green		2
17.1 Dwarf beans only:	very short		1
Pod: length (including beak)	short	Prelude (D), Tuf (D)	3
	medium	Amity (D), Lusia (D)	5
	long	Dubra (D), Loma (D)	7
	very long	Daisy (D), Longking (D), Maja (D)	9
17.2 Climbing beans only:	very short		1
Pod: length (as 17.1)	short	Juwagold (C)	3
	medium		5
	long	Fidel (C)	7
	very long	Toplong (C)	9
18. Pod: median width	narrow	Cabri (D), Necores (C), Tuf (D)	3
	medium	Meicy (C), Regulex (D)	5
	broad	Perle von Marbach (C), Pfälzer Juni (D)	7
19. Pod: shape of cross section (through seed)	elliptic to ovate	Pascal (D), Pfälzer, Juni (D), Regulex (D)	1
	cordate		2
	circular	Tuf (D)	3
	“eight shaped”	Tendercrop White Seeded	4
20. Pod: ratio transverse (+) width/median width	small	Pascal (D), Pfälzer, Juni (D), Regulex	3
	medium	Tuf (D)	5
	large	Tendercrop White Seeded	7
21. Pod: ground colour (+)	yellow	Goldmarie (C), Goldfish (D), Goldukat (D)	1
	green	Fortissima (C), Filetty (D), Diva (D)	2
	violet	Purpiat (D), Purple Teepee (D)	3
22. Pod: intensity of ground colour	light		3
	medium		5
	dark		7
23. Pod: secondary colour (+)	absent	Tuf (D)	1
	present	Marbel (D)	9
24. Pod: hue of secondary colour	red	Borlotto lingua di fuoco 2 (C)	1
	violet	Marbel (D)	2
25. Pod: density of flecks of secondary colour	sparse		3
	medium		5
	dense		7
26. Pod: stringiness	absent	Cabri (D), Tuf (D)	1
	present	Facta (D), Marbel (D)	9
27. Pod: degree of curvature (+)	absent or very slight		1
	slight		3
	medium		5
	strong		7
	very strong		9
28. Pod: shape of curvature (+)	concave		1
	s-shaped		2
	convex		3
29. Pod: shape of distal part (excluding beak)	acute	Aiguillon (D), Calas (D), Cesar (D)	1
	acute to truncate	Faria (D), Aiguille vert (D)	2
	truncate	Alcade (D), Divel (D), Afrio (D)	3
30. Pod: length of beak	short	Amity (D), Ryco (D)	3
	medium	Goldfish (D), Optimus (D)	5
	long	Facta (D), Golddukat (D), Vilbel (D)	7
31. Pod: curvature of beak	absent or very weak		1
	weak	Nerina (D)	3
	medium		5
	strong	Goldfish (C), Groffy (D), Ryco (D)	7
	very strong		9

Characteristics		Examples	Note
32. Pod: texture of surface	smooth	Prelude (D), Tuf (D)	3
	medium rough	Blauhilde (C), Daisy (D), Longking (D)	5
	rough		7
33. Pod: constrictions (at dry stage)	absent or very slight	Pascal (D), Regulex (D)	1
	slight Tuf (D)		3
	medium		5
	pronounced		7
	very pronounced	Mechelse Tros (C)	9
34. Seed: weight	very low	Cabri (D), Decibel (D), Label (D)	1
	low	Belfin (D), Ingo (D)	3
	medium	Duplika (D), Juwagold (C), Konservenstolz (D)	5
	high	Fidel (C), Regulex (D)	7
	very high	Facta (D), Precoces (C), Rote von Paris (D)	9
35. Seed: shape of median (+) longitudinal section	circular	Rapsani (D), Coblan (D), Coco nain blanc précoce (D)	1
	circular to elliptic	Coco noir (D)	2
	elliptic	Nerina (D), Pros (D), Tuf (D)	3
	kidney-shaped	Orex (D), Palmares (D), Re Mida (D), Rubico (D)	4
36. Varieties with kidney-shaped seed only: Seed: degree of curvature	weak	Farcybel, Janus, Jakar	3
	medium	Faria, Farno, Niver	5
	strong	Chevrier vert, Hador	7
37. Seed: shape of median (+) cross-section	flat	Soisson nain hatif (D)	1
	narrow elliptic	Roi de Belges (D), Samurai (D)	2
	elliptic	Orlinel (D), Pluto (D), Rachel (D)	3
	broad elliptic	Obélique (D), Odessa (D), Primanor (D)	4
	circular	Pactol (D), Romulus (D), Starnel (D)	5
38. Seed: width in cross-section (+)	narrow	Cabri (D), Golddukat (D)	3
	medium		5
	broad	Pfälzer Juni (D), Rote von Paris (D)	7
39. Seed: number of colours	one		1
	two		2
	more than two		3
40. Seed: main colour	white	Goldfish (D), Tuf (D)	1
	green or greenish	Muriel (D), Pascal (D)	2
	grey		3
	yellow	Gele Citroen (D)	4
	buff coloured	Blauhilde (C), Purple Teepee (D)	5
	brown	Primel (D), Sunray (D)	6
	red	Flageolet rouge (D)	7
	violet		8
	black	Delinel (D), Vilbel (D)	9
41. Seed: predominant secondary (+) colour	white		1
	grey		2
	yellow		3
	buff coloured		4
	brown		5
	Red	Fiori (D)	6
	Violet	Marbel (D)	7
	black	Brittle Wax (D)	8
42. Seed: distribution of predominant secondary colour	around hilum	Brittle Wax (D)	1
	in streaks		2
	on half of grain		3
	in patches		4
43. Seed: veining	weak	Prelude (D), Ryco (D)	3
	medium	Loma (D)	5
	strong	Daisy (D), Flo (D)	7
44. Seed: colour of hilar ring	same colour as seed		1
	not same colour as seed		2

Characteristics			Examples	Note
45.	Time of flowering (50% of the plants with at least one flower)	very early	Pfälzer Juni (D)	1
		early	Fortissima (C), Perle von Marbach (C), Prelude (D)	3
		medium	Fanion (D), Groffy (D), Hilda (C), Precoces (C)	5
		late	Necores (C)	7
		very late		9

Note: Only resistances marked with an asterik (*) are compulsory.

In general for the assessment of resistance characteristics, the facilities of other Examination Offices or specialised institutions might be used, subject to previous arrangements.

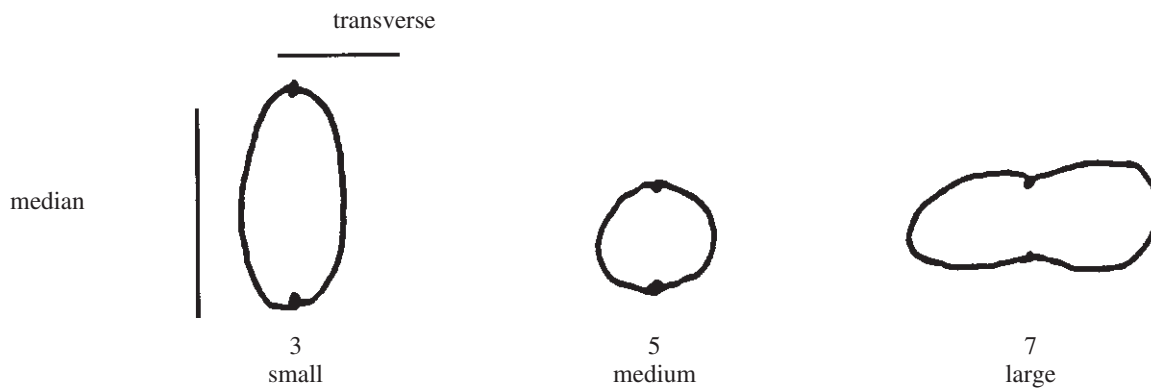
Some characteristics may be discarded: if there are already phytosanitary restrictions.

Characteristics			Examples	Note
(+)	Resistance to Bean anthracnose (<i>Colletotrichum lindemuthianum</i>)			
(*)46.1	Race: Lambda	absent	Daisy (D), Tuf (D)	1
		present	Belfin (D), Label (D), Reskia (D)	9
46.2	Race Kappa	absent	Belfin (D), Label (D)	1
		present	Reskia (D)	9
(*)47	Resistance to Bean Common	not resistant to mosaic,	Michelite (D), Rapier (D), Spinel (C)	1
(+)	Mosaic Virus (BCMV)	no blackroot development	Arena (D), Masai (D), Odessa (D),	
		resistant to mosaic,	Topcrop (D)	2
		but developing blackroot	Felspar (C), Great Northern 31	3
		resistant to mosaic and		
		no blackroot development		
(+)	Resistance to halo Blight (<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>)			
48.1	US Race 1	absent	Amboy (D), Michelite (D)	1
		present	RM UI-3 (D), RM UI-34 (D), Forum (D), Masai (D) 9	
48.2	US Race 2	absent	RM UI-3 (D), RM UI-34 (D),	1
		present	Forum (D), Masai (D)	9
49.	Resistance to Common Blight	absent	Echo (D), Keygold (D)	1
(+)	(<i>Xanthomonas campestris</i> pv. <i>phaseoli</i>), Isolate 422	present	Walley (US line)	9

ANNEX 2

EXPLANATIONS AND METHODS

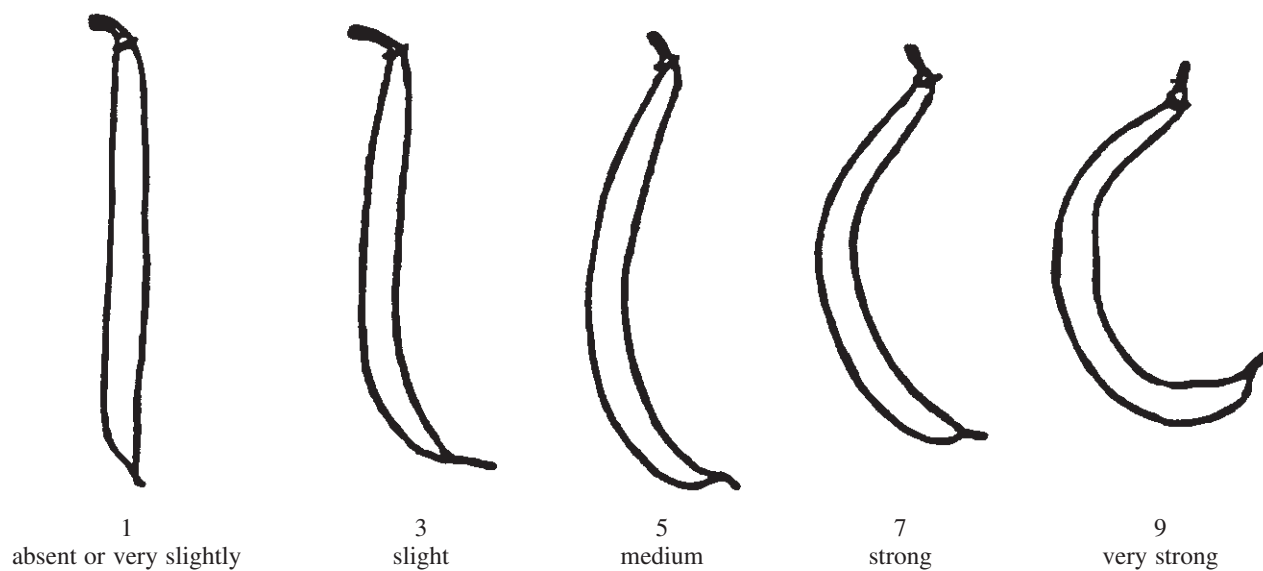
Ad 20: Pod: ratio transverse width/median width



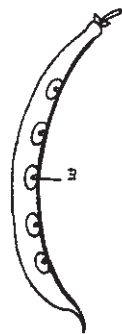
Ad 21 + 22: Pod: ground color (21) and intensity (22)

	yellow	green	violet
light	Frühe dickfleischige Wachs (D) Goldmarie (C) Erato (D)	Fortissima (C) Rabl (D) Ragalla (D) Ryco (D)	—
medium	Gabriella(D) Goldelfe (C) Goldfish (D)	Filetty (D) Prelude (D) Tuf (D)	Purpiat (D)
dark	Golddukat (D)	Decibel (D) Diva (D) Vilbel (D) Verona (D)	Blauhilde (C) Purple Teepee (D)

Ad 27: Pod: degree of curvature



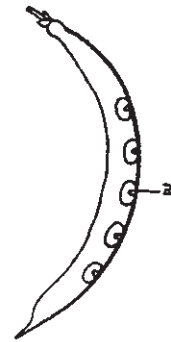
Ad 28: Pod: shape of curvature



1
concave



2
s-shaped



3
convex

R-dorsal suture

Ad 29: Pod: shape of distal part (excluding beak)



3
acute

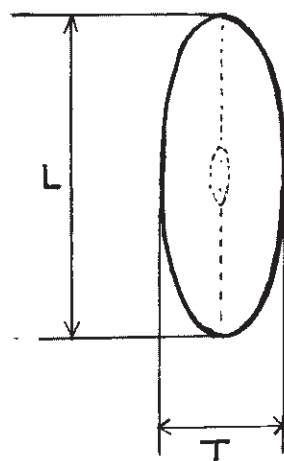


5
acute to truncate

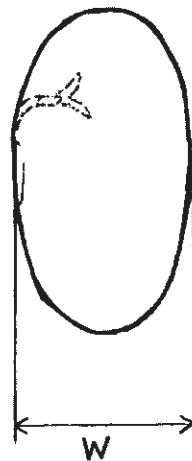


7
truncate

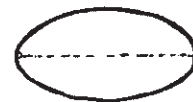
Ad 35 + 37 + 38: Seed: explanation of sections and sizes



view from hilum side



median longitudinal
section (35)



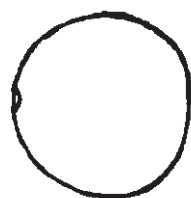
median
cross-section (37)

L = length

W = width in cross section (38)

T = thickness

Ad 35: Seed: shape of median longitudinal section



1
circular



2
circular to elliptic



3
elliptic



4
kidney-shaped

Ad 41 + 42: Seed: color and distribution of predominant secondary color

The predominant secondary color is the color with the second largest area. If several secondary colors exist, the competent authorities will add one or more characteristics as necessary.

Ad 46: Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*)

Method

- Maintenance of races: In a test tube on glucose-peptone agar.
- Pre-germination of seed: At least twice, 10 seeds are placed at 20°C (about 4 to 5 days) in petri-dishes on humid vermiculite. After commencement of germination (1 to 2 cm root length) the seed coat is removed.
- Inoculum and inoculation: Growth on GPA in 1 l. glass bottles for 12 to 14 days. Removal of inoculum with a scraper. The germinated seeds are dipped in a suspension of spores of *Colletotrichum lindemuthianum* for 2 min. The concentration of spores should be 1 million spores per ml.
- Sowing: Sowing in pots with sand, covering of seed with sand to 1 cm.
- Culture of plants: The pots are placed in a Phytotron at 20°C with 16 hours of daylight. Regular watering is needed, no special air humidity requirements.
- Observation: The symptoms are visible during sprouting of the plants or up to 10 days thereafter. The observations can be made after 10 to 14 days.
- Scheme of observation: *Resistance present:*
healthy plants with no symptoms, or weak reaction with small superficial necroses in the form of dots or stripes.
- Resistance absent:*
reaction with up to 5 necrotic flecks on stem, or strong reaction with necroses larger than 3 mm, sunk deeply into the tissue, or dying plants with strong formation of necroses during sprouting or thereafter.

Ad 47: Resistance to Bean Common Mosaic Virus (BCMV)

Method

Production of Infection Material

- Nature of medium: Plant or dry leaves
- Special conditions: Glasshouse culture (= plants) or deep-frozen leaves
- Identification: Use of virus strain "NL 3"

Conduct of Trials

Plant stage:	Two-leaf
Temperature:	Culture at 20 to 25°C, following inoculation 30°C for a period of 8 days
Light:	Normal daylight, if necessary shaded
Culture:	Glasshouse
Type of inoculation:	Mechanical, by rubbing the inoculum on the leaves

Duration of Trials

- Sowing to inoculation: 8 to 9 days
- Inoculation to observation: 6 to 21 days
- Number of plants tested: 60 (20 pots with 3 plants each)

Description of the Method

- (1) *Obtention of the Inoculation Material.* – The virus strain “NL 3” is used for the tolerance testing since it covers practically all the groups of strains of Bean Common Mosaic Virus. To begin with, dwarf bean plants of the variety “Dufrix” or of another variety highly sensitive to the virus are infected, around the beginning of April, by rubbing with pressed juice containing the virus, obtained from own maintenance culture or from freeze-dried leaves (provided for instance by the Institute for Biochemistry and Virus Diseases of the Federal Biological Institute in Brunswick (= strain “NL 3”). These infected plants are then used, at the beginning of June, for producing pressed juice containing the virus with which the test plants are inoculated.
- (2) *Inoculation.* – The pressed juice containing the virus is diluted for inoculation (approximately one part juice to two parts water). After the two leaves have been strewn with carborundum or celite, the diluted juice is lightly rubbed on using a firm sponge. The leaves are then rinsed with water some 15 to 20 minutes later (watering can with a fine spout).
- (3) *Incubation.* – Following inoculation, the air temperature in the glasshouse must be kept at 30°C for at least one week. (Important!!! The temperature must be maintained throughout the day and also at night). First lesions may already occur after 3 to 4 days. Top necrosis will become visible one week already after inoculation. Varieties with tolerance absent demonstrate the typical symptoms (= mosaic) after approximately two weeks. The final observations can be made some three weeks after inoculation.
- (4) *Observation.* – The first assessment should be made on the sixth day following the day of inoculation. The mosaic symptoms and the necrotic symptoms can be distinguished as follows:
 - (i) *Mosaic symptoms:* pale-coloured leaves; light and dark green mosaic; dark green areas between veins blistered; narrow chlorotic bands along veins and leaf margin rolling downwards. Various symptoms may be expressed in various degrees. The mosaic symptoms may be recorded using a scale from 1 to 9 to assess the reaction of the candidate variety (1 = no symptoms, 9 = strongest stage of expression). If a candidate variety does not show any mosaic symptoms, while the susceptible standard varieties do so, that candidate variety should be regarded as being resistant to mosaic.
 - (ii) *Blackroot symptoms:* there are two types of necrosis (especially when tested with strain “NL3”), which are to be classified as “Blackroot”.

Local necrosis (local hypersensitivity): characterised by brown necrotic netting (the veins) localised on a part of the leaf blade;

Systemic necrosis (top necrosis): characterised by a fast development of necrosis throughout the stem, the petiole and the roots resulting in top necrosis or even complete necrosis of the plant. (The vascular bundles of the stem, the petiole and finally the roots, if inoculated at a young plant stage, turn brown (therefore called “Blackroot”).

Varieties or strains showing blackroot symptoms (both local hypersensitivity and top necrosis) generally prove to be resistant to mosaic in the field.

During the resistance testing most local necroses develop into top necroses.

Remarks:

The genetics of resistance to Bean Common Mosaic Virus (BCMV) and/or Blackroot is based on a number of a-specific and specific recessive genes of which some are allelic. *Drijfhout* found at least 4 genes; e.g.:

bc-u, bc-1/bc-1², bc-2/bc-2² and bc-3

A dominant necrosis gene 'I' interferes with these resistance genes. The recessive form 'I⁺' in combination with bc-3 and bc-2² gives complete resistance to both BCMV and Blackroot (Example variety: Great Northern 31). (for more details, see *Drijfhout* (1978))

Ad/Add./Zu 48: Resistance to Halo Blight (*Pseudomonas syringae* pv. *phaseolicola*)

Method*Maintenance of strains*

Type of medium:..... Infected, dry leaves

Identification: On the basis of preliminary trials, the European strains (which probably belong to the African race-by J.D. Taylor, H.R.I. Wellesbourne) have a higher level of virulence than the US race 1 and race 2. The aggressivity of the pathogen is measured by the spot size of the pod of sensitive varieties. The isolates used for the test should cause a grease spot with a minimum diameter of 3 mm.

Execution of test

Growth stage of plants:..... The first and second trifoliate leaves of 2 to 3 cm length

Temperature: Day: 24°C; night: 18°C

Humidity: 100% relative humidity until inoculated leaves are fully developed

Growing method: In the glasshouse

Inoculum: Bacterial suspension with a concentration of 10⁸ bacterial cells/ml.

Method of inoculation: Mechanical, using a camel-hair brush

Duration of test

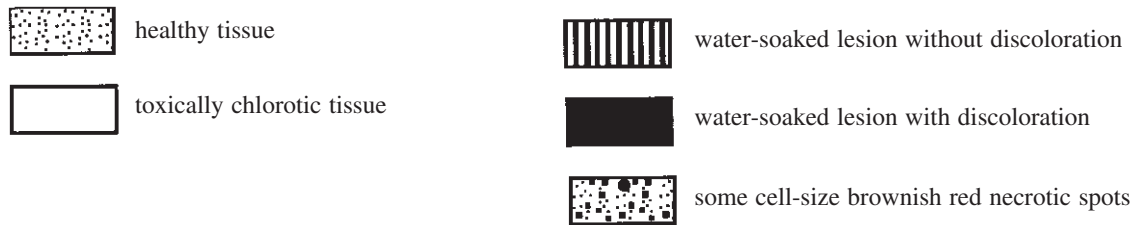
– from inoculation to reading:..... Until infected leaves are fully developed

Number of plants tested:..... 10-20 plants

Multiplication/propagation of bacteria: Bouillon-Agar (2 g Na₂HPO₄, 2 g NaH₂PO₄, 3 g NaCl, 25 g Bouillon-Agar/ 1000 ml distilled water)

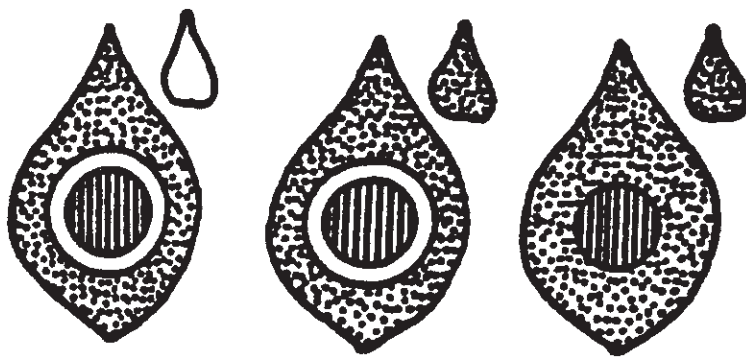
Remarks: – Leaf reaction is very commonly studied nowadays. The reaction of the pod is of polygenic character, and there is no genetic linkage between leaf and pod reaction. There are as yet no varieties with pod resistance.
 – Resistance means genetically that this host has the recessive gene with or without the presence of the modifiers; in the case where the modifiers are present the sources of these genes are: PI 150 414 (USA), CNRA-HW5A (Fr).
 – It is possible to evaluate the lesions at the stage of the fully developed leaf. The different types of symptom are shown below.

Legend of illustration following hereafter



Scheme of observation

Resistance absent



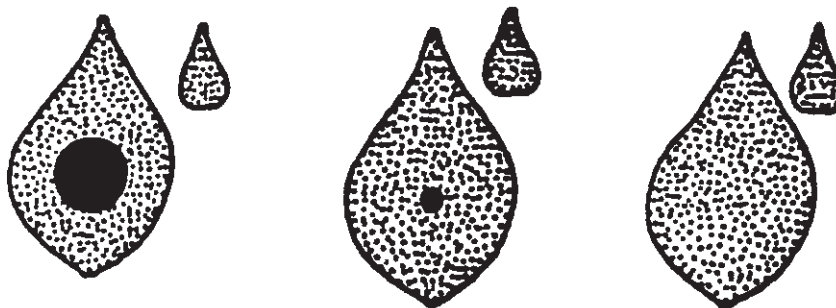
water-soaked lesion with toxically chlorotic halo, systemic chlorosis; water-soaked lesion with halo, no systemic chlorosis; water-soaked lesion without halo, no systemic chlorosis



discoloration of water-soaked lesions with halo, systemic chlorosis;

discoloration of water-soaked lesions with halo, no systemic chlorosis

Resistance present



Necrotic spots of 1-2 mm diameter, no systemic chlorosis or some cell-size brownish-red hypersensitive necrotic spots or healthy, uninfected plant

Ad 49: Resistance to Common Blight (*Xanthomonas campestris* pv. *phaseoli*), Isolate 422

Method

Maintenance of races

Type of medium: Infected, dry leaves

Execution of test

Growth stage of plants: The first and second trifoliate leaves of 2 to 3 cm length

Temperature: Day: 26°C; night: 20°C

Humidity: 100% relative humidity during and 1 to 2 days after inoculation, thereafter normal relative humidity

Growing method: In the glasshouse

Inoculum: Bacterial suspension with a concentration of 10⁸ bacterial cells/ml.

Method of inoculation: Mechanical, using a camel-hair brush

Duration of test

– from inoculation to reading: Until infected leaves are fully developed

Number of plants tested: 10-20 plants

Multiplication/propagation of bacteria: 20 g extract of yeast powder, 20 g glucose, 20 g CaCO₃, 20 g agar-agar/
1000 ml distilled water)

Remarks: – Isolate 422 can be obtained from the Vegetable Research Institute, 1775 Budapest, P.O.Box 95, Hungary.
– The reaction of pods to *X. phaseoli* is not yet clear enough today.

Legend of illustration following hereafter



healthy tissue



(2) dying tissues



(1) chlorotic tissue



(3) some cell-size brownish red hypersensitive necrotic spots

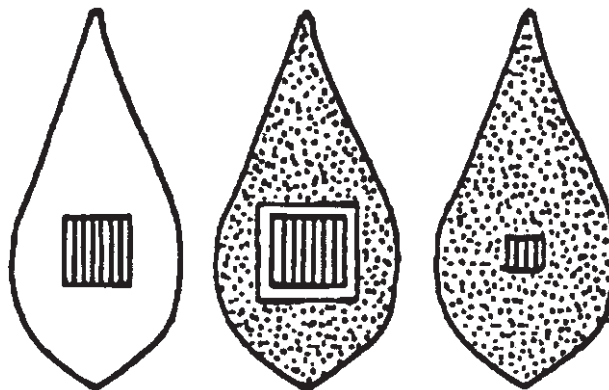
Scheme of observation

If chlorotic tissues (1) and/or dying tissue (2) are observed, the variety should be regarded as non-resistant.

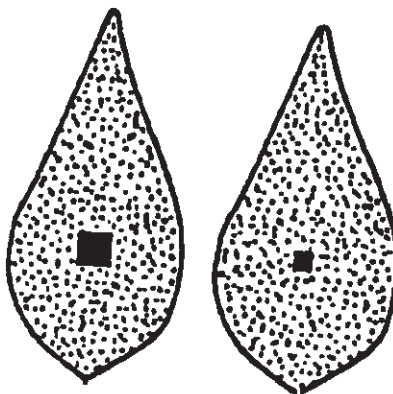
If only some cell-size brownish red hypersensitive necrotic spots (3) are observed, the variety should be regarded as resistant.

Possible combinations of symptoms

Resistance absent



Resistance present



ANNEX
CLASSIFICATION OF EXAMPLE VARIETIES USING GROUPING CHARACTERISTICS

Variety/Variété/Sorte	Characteristics/caractères/Merkmale				
	2	19	21	26	39
Aber	1	1	2	9	1
Acarli	1	3	2	1	1
Ace	1	3	2	1	1
Afrio	1	3-4	2	1	1
Aiguille vert	1	3	2	9	1
Alguillon	1	3	2	9	1
Alcade	1	3	2	1	1
Amboy	1	3	2	1	1
Amity	1	3	2	1	1
Bacle	2	1	2(a)	1	2
Bambel	1	1	2	9	1
Belfin	1	3	2	1	1
Blauhilde	2	1	3	1	2
Borlotto lingua di fuoco 2	2	1	2(a)	9	2
Brittle Wax	1	3	1	1	2
Brodor	1	3	1	1	1
Butterzart	1	3	1	1	1
Cabri	1	3	2	1	1
Calas	1	3	2	9	1
Callide	1	3	2	1	1
Candide	1	1	2	9	1
Capitole	1	3	2	1	1
Carlyn	1	3	2	1	1
Castron	1	3	2	1	1
Cesar	1	3	2	9	2
Coblan	1	1	2	1	1
Coco nain blanc précoce	1	1	2	1	1
Coco noir	1	1	2	1	1
Daisy	1	3	2	1	1
Decibel	1	3	2	1	1
Delinel	1	3	2	1	1
Diva	1	3	2	1	1
Divel	1	1	2	9	1
Dorabel	1	3	1	1	1
Dubra	1	3	2	1	1
Duplika	1	3	2	1	1
Echo	1	3	1	1	1
Erato	1	3	1	1	1
Facta	1	1	2	9	1
Fanion	1	3	2	1	1
Faria	1	3	2	1	1
Felix	1	3	2	1	1
Felspar	1	1	2	9	1
Fidel	2	3	2	1	1
Filetty	1	3	2	1	1
Flageolet rouge	1	1	2	9	1
Flo	1	3	2	1	1
Fori	1	3	2	1	2
Fortissima	2	1	2	1	1
Forum	1	3	2	1	1
Fr. dickfleischige Wachs	1	1	1	1	1
Gele Citroen	1	1	2	9	2
Golddukat	1	3	1	1	1
Goldelfe	2	1	1	1	1
Goldetta	1	3	1	1	1
Goldfish	1	3	1	1	1
Goldmarie	2	1	1	1	1
Great Northern	1	1	2	9	1
Groffy	1	3	2	1	1
Hilda	2	1	2	1	1
Ingo	1	3	2	1	1
Jolanda	1	3	2	1	1
Juwagold	2	3	1	1	1
Keygold	1	3	1	1	1
Konservenstolz					

Variety/Variété/Sorte	Characteristics/caractères/Merkmale				
	2	19	21	26	39
Label	1	3	2	1	1
Loma	1	3	2	1	1
Longking	1	3	2	1	1
Lusia	1	3	2	1	1
Madrigal	1	1	2	9	1
Maja	1	3	2	1	1
Marbel	1	3	2	9	2
Markant	2	3	2	1	1
Masai	1	3	2	1	1
Maxi	1	3	2	1	1
Mechelse Tros	2	1	2	1	1
Meicy	2	1	1	1	1
Muriel	1	1	2	9	1
Nadir	1	3	2	1	1
Neckarkönigin	2	3	2	1	1
Necores	2	3	2	1	1
Nerina	1	3	2	1	1
Niki	1	3	2	1	1
Niver	1	3	2	9	1
Obelisque	1	3	2(a)	9	2
Odessa	1	3	2	1	1
Optimus	1	3	2	1	1
Orex	1	3	2	9	1
Orlinel	1	1+3	1	1	1
Pactol	1	1	2	9	1
Palmares	1	3	2	1	1
Pascal	1	1	2	9	1
Perle von Marbach	2	1	2	1	1
Pfälzer Juni	1	1	2	1	1
Phenomene	2	1	2	9	1
Pluto	1	3	2	1	1
Precores	2	1	2	1	1
Prelude	1	3	2	1	1
Prevert	1	1	2	9	1
Primanor	1	3	2	1	1
Primatton	1	1	2	9	1
Primel	1	3	2	1	1
Pros	1	3	2	1	1
Purpiat	1	1	3	1	1
Purple Teepee	1	3	3	1	1
Rabi	1	1	2	9	1
Rachel	1	3	2	9	1
Ragalla	1	1	2	9	1
Rapsani	1	1	2	9	1
Re Mida	1	1	1	9	1
Regulex	1	1	2	1	1
Record (Syn.: Centrum)	2	1	2	1	1
Reshia	1	3	2	1	1
Roi des Belges	1	1	2(a)	9	1
Romulus	1	3	2	9	2
Rote von Paris	1	1	2	9	1
Rubico	1	1	2	9	1
Ryco	1	1	2	1	1
Samurai	1	1	2	9	1
Silvia	2	3	2	1	1
Solare	1	3	1	1	1
Spinel	2	1	2	9	1
Starnel	1	3	2	1	1
Sunray	1	3	2	1	1
Tendercrop White Seeded	1	4	2	1	1
Toplong	2	1	2	1	1
Torrina	1	3	2	1	1
Trebona	2	1	2	1	1
Tuf	1	3	2	1	1
Vaillant	1	3	2	1	1
Valja	1	3	2	1	1
Vilbel	1	3	2	1	1
Walley					

(a) = marbled/marbré/marmoriert

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Zea Mays L.

MAIZE

Adopted on 15/11/2001

I. SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the requirements of Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV document TG/1/2 and UPOV Guideline TG/2/6 dated 11th April 1994 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to the following types of varieties of **Zea mays** L.: inbred lines, hybrids and open-pollinated varieties, excluding ornamental varieties.

II. SUBMISSION OF SEED AND OTHER PLANT MATERIAL

1. THE COMMUNITY PLANT VARIETY OFFICE (CPVO) IS RESPONSIBLE FOR INFORMING THE APPLICANT OF:

- the closing date for the receipt of plant material;
- the minimum amount and quality of plant material required;
- the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the reference collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. FINAL DATES FOR RECEIPT OF DOCUMENTATION AND MATERIAL BY THE EXAMINATION OFFICE

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen (hereunder point 3).

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO if no plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. SEED REQUIREMENT

Survey of final dates for request for technical examination and sending of Technical Questionnaire by the CPVO as well as submission date of plant material by the applicant (the figures in brackets correspond to a subsequent – greater – submission after completion of DUS test, for variety collection purposes).

	Request of examination	Plant material	Seed requirements
FRANCE	15/03*	01/04*	1 kg hybrid, 1500 grains line (5000 grains)
GERMANY	01/02*	01/03*	2 kg hybrid, 3000 grains line (7 kg hybrid/8000 grains line)
SPAIN	01/01*	01/02*	5000 grains hybrid, 3000 grains line (5000 grains)

* Closing and submission dates for national applications.

Quality of seed:..... The minimum requirements for germination capacity and analytical purity should not be less than the standards laid down for certified seed in EC Directive 66/402/EEC.

Seed Treatment: The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of treatment must be given.

Special requirements:..... –

Labelling of sample: – Species
– File number of the application allocated by the CPVO
– Breeder's reference
– Examination reference (if known)
– Name of applicant
– The phrase "On request of CPVO"

III. CONDUCT OF TESTS

1. REFERENCE COLLECTION

A reference collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A reference collection may contain both living material and descriptive information. A variety will be included in a reference collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.
- in the case of hybrids, all components of hybrid varieties in common knowledge must be considered as part of the reference collection.

The composition of the reference collection in each Examination Office depends on the ecological conditions in which the Examination Office is located.

Reference collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the reference collection.

2. MATERIAL TO BE EXAMINED

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the reference collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to co-ordinate their work with other offices involved in DUS testing of maize. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. CHARACTERISTICS TO BE USED

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in the Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition, the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

In cases where the distinction of hybrid varieties is based on the distinction of parental lines, the description of the hybrid must at least include those characteristics of Annex 1 which are indicated by an H.

The list of characteristics derived from enzyme electrophoresis as in Annex 2 should only be used as a complement to other differences in morphological or physiological characteristics.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation N° 1239/95, to insert additional characteristics and their expressions in respect of a variety.

4. GROUPING OF VARIETIES

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following (CPVO numbering):

- a) Tassel: time of anthesis (characteristic 6)
- b) Ear: anthocyanin colouration of silks (characteristic 15)
- c) Plant: length (characteristic 21.1/21.2)
- d) Ear: type of grain (characteristic 29)
- e) Ear: anthocyanin colouration of glumes of cob (characteristic 32)

5. TRIAL DESIGNS AND GROWING CONDITIONS

The minimum duration of tests will normally be two independent growing cycles. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing cycle.

All observations for the assessment of distinctness and uniformity should be made on at least 40 plants or parts of plants.

All observations on the ear should be made on the upper well-developed ear.

6. SPECIAL TESTS

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

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

7. STANDARDS FOR DECISIONS

A) DISTINCTNESS

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation No. 2100/94.

To assess distinctness of hybrids, a prescreening system on the basis of the parental lines and the formula may be established according to the following recommendations:

- (i) description of parental lines according to the Test Guidelines;
- (ii) check of the originality of the parental lines in comparison with the reference collection, based on the characteristics in Annex 1 in order to screen the closest inbred lines;
- (iii) check of the originality of the hybrid formula in comparison with those of the hybrids in common knowledge, taking into account the closest inbred lines;
- (iv) assessment of the distinctness at the hybrid level of varieties with a similar formula.

Qualitative characteristics:

In the case of characteristics which show discrete discontinuous states of expression, a difference between two varieties is clear if one or more of the respective characteristics have expressions which fall into two different states.

Quantitative characteristics:

Characteristics which show a continuous range of expression from one extreme to the other may be either measured or visually observed.

In the case of visually observed characteristics, a difference between two varieties is clear if the expression of the respective characteristics differs by at least the span of one note, taking into account the variability observed within the varieties.

If distinctness is assessed by the combined over years distinctness analysis (COYD) the difference between two varieties is clear if the respective characteristics are different at the 1% significance level or less ($p \leq 0.01$) in a test over either two or three years.

If distinctness is assessed using the t-test least significant difference the difference between two varieties is clear if it occurs with the same sign at the 1% significance level or less ($p \leq 0.01$) in two consecutive or two out of three growing cycles.

If the significance level or statistical methods proposed are not appropriate the method used should be clearly described.

B) UNIFORMITY

For the assessment of uniformity of inbred lines and single-cross hybrids a population standard of 3 per cent with an acceptance probability of 95 per cent should be applied. In the case of a sample of 40 plants, the maximum number of off-types allowed would be 3. In addition, the same population standard and acceptance probability should apply to clear cases of out-crossed plants in inbred lines as well as plants obviously resulting from the selfing of

a parent line in single-cross hybrids (clear difference in plant height, size of ear or earliness as well as proof through electrophoresis of enzymes in case of lack of uniformity on morphological level). For three-way cross hybrids, double-cross hybrids and open-pollinated varieties, the variability within the variety should not exceed the variability of comparable varieties already known.

In three-way cross hybrids and double-cross hybrids, characteristics may segregate with the effect that several states of expression occur side by side in a variety. Certain characteristics which from experience are known to give rise to such segregations in three-way cross hybrids and double-cross hybrids are identified with an "S".

A candidate will be considered to be sufficiently uniform if the number of off-types does not exceed the number of plants as indicated in the table below.

Table of maximum numbers of off-types allowed for uniformity standards

Number of plants	off-types allowed
1-1	0
2-12	1
13-27	2
28-46	3
47-66	4
67-88	5
89-110	6
111-134	7
135-158	8
159-182	9

If ear-rows are also used then the candidate is considered to be sufficiently uniform if the number of off-type ear-rows does not exceed 1 in 6 ear-rows examined. For sown plots the above-mentioned table is applicable. By analogy this provision also applies to any plant progeny test.

A candidate will be considered to be sufficiently uniform if, using a combined over-years uniformity analysis (COYU), the standard deviation of each characteristic is not greater than the mean standard deviation for the same characteristic in comparable varieties. A variety may be accepted as uniform if the difference is significant at the 2.0% level or greater ($p \geq 0.02$) after 2 years. If the significance level is 0.2% or less ($p \leq 0.002$) after 2 or 3 years the variety should be rejected. A third year of test should be carried out if the significance level after 2 years is ≤ 0.02 and ≥ 0.002 .

If the significance level or statistical methods proposed are not appropriate the method used should be clearly described.

With respect to the use of enzyme electrophoresis, the Office follows the actual UPOV approach as laid down in part I of Annex 2 hereto. If enzyme electrophoresis is used for testing distinctness, the same population standard and the same acceptance probability as for other characteristics should be applied. However, a sequential analysis approach could be applied to reduce the workload. Any plant in an inbred line should be considered as an out-cross where two or more loci are heterozygous with one allele of the locus of the inbred line (e.g. AX). All cases where one locus is heterozygous or where two foreign alleles are present should be considered off-types.

C) STABILITY

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity.

IV. REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability.

Candidates may meet the DUS standards after two growing cycles but in some cases three growing cycles may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V. LIAISON WITH THE APPLICANT

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

The annual interim report as well as the final report shall be sent by the Examination Office to the CPVO.

ANNEX 1

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST
AND PREPARATION OF DESCRIPTIONS

CPVO N°	UPOV N°	Characteristics	Stage ¹		Examples	Note
1.	1.	First leaf: anthocyanin colouration of sheath	12-14 (S) ²	absent or very weak weak medium strong very strong	F113 F2 F244	1 3 5 7 9
2. (+) ³	2. (+) ³	First leaf: shape of tip	14	pointed pointed to round round round to spatulate spatulate	W117 F2 EP1	1 2 3 4 5
3. (+) H ⁴	3. (+)	Leaf: angle between blade and stem (on leaf just above upper ear)	65-71	very small small medium large very large	W117 F252	1 3 5 7 9
4. (+) H	4. (+)	Leaf: attitude of blade (as for 3)	65-71	straight slightly recurved recurved strongly recurved very strongly recurved	F252 F1444 F186 CM 7	1 3 5 7 9
5. H	6.	Stem: anthocyanin colouration of brace roots	65-75 (S)	absent or very weak weak medium strong very strong	W182E F7 F2 A632	1 3 5 7 9
6. H	7.	Tassel: time of anthesis (on middle third of main axis, 50% of plants)	65	very early very early to early early early to medium medium medium to late late late to very late very late	KW 1069 F7 F259 W117 A632 M017 B73	1 2 3 4 5 6 7 8 9
7. (+) H	8. (+)	Tassel: anthocyanin colouration at base of glume (in middle third of main axis)	65 (S)	absent or very weak weak medium strong very strong	W117 F2 F107 EP1	1 3 5 7 9
8. H	9.	Tassel: anthocyanin colouration of glumes excluding base (as for 7)	65 (S)	absent or very weak weak medium strong very strong	F16 F2 EP1 W79A	1 3 5 7 9

¹ The optimum stage of development for the assessment of each characteristic is indicated by a number in the second column. The stages of development denoted by each number are described in the Decimal Code for the growth stages (page 17).

² (S) See explanations under point 7b (page 7).

³ (+) See explanations hereunder in "Explanations and Methods" (page 15).

⁴ H = In cases where the distinction of hybrid varieties is based in the distinction of parental lines, the description of the hybrid must at least include those characteristics.

CPVO N°	UPOV N°	Characteristics	Stage		Examples	Note
9.	10.	Tassel: anthocyanin colouration of anthers (as for 7; on fresh anthers)	65 (S)	absent or very weak weak medium strong very strong	F244 F2 W182E F195	1 3 5 7 9
10.	11.	Tassel: density of spikelets (as for 7)	69	lax medium dense	F16 W401 EP1	3 5 7
11. (+) H	12. (+)	Tassel: angle between main axis and lateral branches (in lower third of tassel)	65	very small small medium large very large	F257 EP1 W117	1 3 5 7 9
12. (+) H	13. (+)	Tassel: attitude of lateral branches (as for 11)	65 (S)	straight slightly recurved recurved strongly recurved very strongly recurved	F257 A619 CM7 W117	1 3 5 7 9
13. H	14.	Tassel: number of primary lateral branches	65	absent or very few few medium many very many	F7 F252 F244	1 3 5 7 9
14. H	15.	Ear: time of silk emergence (50% of plants)	65	very early very early to early early early to medium medium medium to late late late to very late very late	F7 F259 W117 A632 M017 B73	1 2 3 4 5 6 7 8 9
15. H	16.	Ear: anthocyanin colouration of silks	65 (S)	absent present	F7 F2	1 9
16. H	17.	Intensity of anthocyanin colouration of silks	65 (S)	very weak weak medium strong very strong	CM105 F186 W401	1 3 5 7 9
17. H	18.	Leaf: anthocyanin colouration of sheath (in middle of plant)	71(S)	absent or very weak weak medium strong very strong	F7 F186 F195 EP1	1 3 5 7 9
18.	19.	Tassel: length of main axis above lowest side branch	71	very short short medium long very long	EP1 F244 F16	1 3 5 7 9
19. H	20.	Tassel: length of main axis above upper side branch	71	very short short medium long very long	EP1 F259 F16	1 3 5 7 9
20.	21.	Tassel: length of side branches (longest side branch in the lower third of the tassel)	71	very short short medium long very long	KW1332 F2 Rantzo Diamant	1 3 5 7 9

CPVO N°	UPOV N°	Characteristics	Stage		Examples	Note
21.1	22.1	In-bred lines only: Plant: length (tassel included)	75	very short short medium long very long	F7 W117 W182E M017	1 3 5 7 9
21.2 H	22.2	Hybrids and open pollinated varieties only: Plant: length (tassel included)	75	very short short medium long very long	Nano-Dos DK232 Magister Cecilia Alimare	1 3 5 7 9
22. H	23.	Plant: ratio height of insertion of upper ear to plant length	75	very small small medium large very large	F259 F522 A632	1 3 5 7 9
23.	24.	Leaf: width of blade (leaf of upper ear)	75	very narrow narrow medium wide very wide	F16 A632 W182E	1 3 5 7 9
24. H	25.	Ear: length of peduncle	85	very short short medium long very long	F7 W582E F492	1 3 5 7 9
25. H	26.	Ear: length (without husk)	92	very short short medium long very long	F2 A654 CM7	1 3 5 7 9
26.	27.	Ear: diameter (in middle)	92	very small small medium large very large	F7 W401 B73	1 3 5 7 9
27.	28.	Ear: shape	92	conical conico-cylindrical cylindrical	F16 F7 F66	1 2 3
28. H	29.	Ear: number of rows of grain	92	very few few medium many very many	F2 EP1 B73	1 3 5 7 9
29. H	30.	Ear: type of grain (in middle third of ear)	92 (S)	flint flint-like intermediate dent-like dent sweet pop	F2 F252 C0125 F259 W401 Jubilee Iowa Pop	1 2 3 4 5 6 7
30. H	31.	Ear: colour of top of grain	92 (S)	white yellowish white yellow yellow orange orange red orange red dark red blue black	A188 W401 F2 F257	1 2 3 4 5 6 7 8 9

CPVO N°	UPOV N°	Characteristics	Stage		Examples	Note
31.	32.	Ear: colour of dorsal side of grain	92(S)	white	F481	1
				yellowish white	A188	2
				yellow	A654	3
				yellow orange	F2	4
				orange	F7	5
				red orange		6
				red		7
				dark red		8
				blue black		9
32. H	33.	Ear: anthocyanin colouration of glumes of cob	93 (S)	absent	F2	1
				present	W117	9
33.	34.	Ear: intensity of anthocyanin colouration of glumes of cob	93 (S)	very weak		1
				weak		3
				medium Dea, Prisma		5
				strong Pianosa		7
				very strong Alios		9

ANNEX 2

EXPLANATIONS AND METHODS

Ad 2: First leaf: shape of tip



1
pointed



2
pointed to round



3
round



4
round to spatulate



5
spatulate

Ad 3 + 11: Leaf and tassel: angle



1
very small



3
small



5
medium



7
large



9
very large

Ad 4 + 12: Leaf and tassel: attitude of blade and of lateral branches



1
straight



3
slightly curved



5
recurved

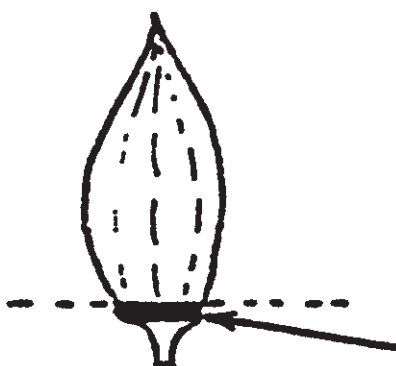


7
strongly recurved



9
very strongly recurved

Ad 7: Tassel: anthocyanin colouration at base of glume



DECIMAL CODE FOR THE GROWTH STAGES *

Code	General Description
00	<i>Germination</i> Dry seed
	<i>Seedling growth</i>
12	2 leaves unfolded
14	4 spread unfolded
	<i>Tillering</i>
	<i>Stem Elongation</i>
	<i>Booting</i>
	<i>Inflorescence emergence</i>
51 (??)	Inflorescence just visible
	<i>Anthesis</i>
61 (??)	Beginning of anthesis
65 (??)	Anthesis halfway
69	<i>Anthesis complete</i>
	<i>Milk development</i>
71	Caryopsis watery ripe
75	Medium milk
	<i>Dough development</i>
85	Soft dough
	<i>Ripening</i>
92	Caryopsis hard (can no longer be dented by thumbnail)
93	Caryopsis loosening in daytime

* Extracted from J.C. Zadoks, T.T. Chang and C.F. Konzak, Decimal Code for the Growth States of Cereals, EUCARPIA Bulletin No. 7, 1974, pp. 42-52.

ANNEX 3

ENZYME ELECTROPHORESIS

Part I

INTRODUCTION

The following Annex contains a list of characteristics derived by using electrophoresis and a description of the method to be used. UPOV decided to place these characteristics in an Annex to the Test Guidelines, thereby creating a special category of characteristic, because the majority of the UPOV member States is of the view that it is not possible to establish distinctness solely on the basis of a difference found in a characteristic derived by using electrophoresis. Such characteristics should therefore only be used as a complement to other differences in morphological or physiological characteristics. UPOV reconfirms that these characteristics are considered useful but that they might not be sufficient on their own to establish distinctness. They should not be used as a routine characteristic but at the request or with the agreement of the applicant of the candidate variety.

For the analysis of enzymes, starch gel electrophoresis is recommended. Polymorphism of enzymes (i.e. 16 enzyme loci) can be detected. Genetic control is known for each enzyme locus. For the description of the method and the genetic interpretation of the zymograms, reference is made to the technical bulletin by Stuber, Wendel, Goodman and Smith, 1988, and the technical handbook by Grenèche and Giraud, 1994. The alleles are described by band numbers according to the definition given by Cardy, Stuber, Goodman, 1980, (see Chapter IX, Literature).

Part II

CHARACTERISTICS DERIVED BY USING ELECTROPHORESIS

Characteristics		Examples	Note
35. Allele expression at locus Mdh 1	Genotype 1/1	F252	
	Genotype 1/6 in interaction with allele 6 of Mdh 2	Tau	1
	Genotype 6/6	A239	2
	Genotype 1/6 but not in interaction with allele 6 of Mdh 2	Marshall	3
36. Allele expression at locus Mdh 2	Genotype 3/3	F252	1
	Genotype 3/4.5	Robin	
	Genotype 4.5/4.5	W401	2
	Genotype 6/6	A239	3
	Genotype 3/6	Azur	4
	Genotype 4.5/6		5
37. Allele expression at locus Mdh 3	Genotype 16/16	F252	1
	Genotype 18/18	Co 158	2
	Genotype 16/18	Figaro	3
38. Allele expression at locus Mmm	Genotype M/M	F252	1
	Genotype M/m		
	Genotype m/m		2
39. Allele expression at loci Mdh 4 + Mdh 5	Genotype 12/12 + 12/12	F252	1
	Genotype 12/12 + 15/15	F2	2
	Genotype 12/12 + 12/15	Robin	
40. Allele expression at loci Idh1 + Idh 2	Genotype 4/4 + 4/4	A239	1
	Genotype 4/6 + 4/4		
	Genotype 4/4 + 6/6	CM7	2
	Genotype 6/6 + 4/4	F1110	3

Characteristics		Examples	Note
	Genotype 6/6 + 6/6 Genotype 4/6 + 6/6 Genotype 4/4 + 4/6 Genotype 4/6 + 4/6	Co158 Bonny Axon Loft	4 5
41. Allele expression at loci Pgd 1 + Pgd2	Genotype 2/2 + 5/5 Genotype 2/2 + 2.8/2.8 Genotype 3.8/3.8 + 2.8/2.8 Genotype 3.8/3.8 + 5/5 Genotype 3.8/3.8 + 2.8/5 Genotype n/n + 5/5 Genotype 2/3.8 + 5/5 Genotype 2/3.8 + 2.8/5	W401 A632 F252 Tekila H108 Bekefix Furio	1 2 3 4 5 6
42.1 Inbred lines only: allele expression at loci Pgm 1 + Pgm2	Genotype 9/9 + 1/1 Genotype 9/9 + 3/3 Genotype 16/16 + 4/4 Genotype 9/9 + 4/4 Genotype 9/9 + 8/8 Genotype 16/16 + 1/1 Genotype 16/16 + 3/3 Genotype 16/16 + 8/8	F2 F16 A632 Mo17	1 2 3 4 5 6
42.2 Hybrids and open-pollinated varieties only: allele expression at loci Pgm 1 + Pgm2	Genotype 9/9 + 1/1 Genotype 9/9 + 1/3 Genotype 9/9 + 3/3 Genotype 9/9 + 3/4 Genotype 9/9 + 4/4 Genotype 9/9 + 1/4 Genotype 16/16 + 4/4 Genotype 9/9 + 8/8 Genotype 9/9 + 3/8 Genotype 9/9 + 4/8 Genotype 9/9 + 1/8 Genotype 16/16 + 1/1 Genotype 16/16 + 1/3 Genotype 16/16 + 3/3 Genotype 16/16 + 8/8	Robin Figaro Axon Occitan	1 2 3 4 5
43. Allele expression at locus Pgi 1	Genotype 4/4 Genotype 5/5 Genotype 4/5	A239 A632 Artist	1 2 3
44.1 Inbred lines only: Allele expression at locus Acp1	Genotype 2/2 Genotype 3/3 Genotype 4/4 Genotype 6/6	F2 A239 A632 F1444	1 2 3 4
44.2 For hybrids and open-pollinated varieties only: Allele expression at locus Acp1	Genotype 2/3 Genotype 2/2 Genotype 3/3 Genotype 4/6 Genotype 4/4 Genotype 6/6 Genotype 2/4 Genotype 2/6 Genotype 3/4 Genotype 3/6	Azur Contessa Occitan Marshall	1 2 3 4 5 6
45. Allele expression at locus Dia 1	Genotype 8/8 Genotype 12/12 Genotype 8/12	F2 Co158 Bastion	1 2 3
46. Allele expression at locus Adh 1	Genotype 4/4 Genotype 6/6 Genotype 4/6	F 1444 F 2 Bristol	1 2 3

Part III

DESCRIPTION OF THE SGE METHOD FOR THE ANALYSIS OF ISOENZYMES FROM ZEA MAYS L.

1. Number of coleoptiles per test

- for checking formula: at least 4 coleoptiles of each inbred line
2 coleoptiles of single-cross hybrids
6 coleoptiles of three-way cross hybrids
- for distinctness, uniformity and stability test: at least 4 coleoptiles for inbred lines, hybrids and open-pollinated varieties.

2. Apparatus and equipment

Any suitable horizontal electrophoresis system can be used, provided that the gels can be kept at 4°C. A gel thickness of 10 mm is recommended. The power supply used should be capable of delivering constant voltage output.

3. Chemicals

All chemicals should be of 'Analytical Reagent' grade or better.

3.1. *Chemicals for enzyme extraction*

L-Ascorbic acid
L-Ascorbic acid Na salt
Sucrose

3.2. *Chemicals for electrophoresis*

Bromophenol blue
Citric acid monohydrate
L-Histidine
Starch hydrolyzed, for electrophoresis, (Sigma s-4501 or equivalent)

3.3. *Chemicals for staining enzymes*

Acetic acid glacial
2,6-Dichlorophenol-indophenol Na salt
Ethanol
Ethylenediamine tetra-acetic acid Na₂ Salt (EDTA)
Fast Garnet GBC salt
D-Fructose 6-phosphate Na₂ salt
Glucose 1-phosphate dehydrogenase (Serva 22820 or 22822 or Sigma G5885)
Hydrochloric acid (HCl)
DL-Isocitric acid Na₃ salt
Magnesium chloride hexahydrate
DL-Malic acid
Dimethylthiazol diphenyl tetrazolium (MTT)
β-Nicotinamide adenine dinucleotide (NAD)
β-Nicotinamide adenine dinucleotide reduced (NADH)
β-Nicotinamide adenine dinucleotide phosphate (NADP)
Nitro-blue tetrazolium (NBT)
Sodium hydroxide (NaOH)
1-Naphtyl acid phosphate

6-phosphogluconic acid Na₃ salt dihydrate
Phenazine methosulfate (PMS)
Polyvinylpyrrolidone 40 (PVP-40)
Sodium acetate trihydrate
Tris-(hydroxymethyl) aminomethane (Tris)

4. Solutions

4.1 *Extraction solution*

16.7 g Sucrose
8.3 g sodium ascorbate
made up to 100 ml with de-ionised water and adjusted to pH 7.4 with L-ascorbic acid.

4.2 *Electrophoresis buffers*

4.2.1 *Buffers for SGE pH 6.5*

4.2.1.1 Stock solution: 0.364 M L-histidine-citrate

50.44 g L-histidine
8.20 g Citric acid monohydrate
made up to 1 l with de-ionised water

4.2.1.2 Running buffer: 0.072 M L-histidine-citrate pH 6.5

(Stock solution diluted 1 in 5)
400 ml stock solution (4.2.1.1) made up to 2 l with de-ionised water

4.2.1.3 Gel buffer: 0.024 M L-histidine-citrate

(Stock solution diluted 1 in 15)
80 ml stock solution (4.2.1.1) made up to 1200 ml with de-ionised water

4.2.2 *Buffers for SGE pH 5.0*

4.2.2.1 Running buffer: 0.074 M L-histidine-citrate pH 5.0

15.5g L-histidine
10.0g Citric acid monohydrate
made up to 2 liters with de-ionised water

4.2.2.2 Gel buffer: 0.006 M L-histidine-citrate

(Running buffer diluted 1 in 12)
100 ml running buffer (4.2.2.1) made up to 1200 ml with de-ionised water

4.2.2.3 Bromophenol blue solution

50 mg bromophenol blue dissolved in 100 ml de-ionised water

4.3 *Staining solutions*

4.3.1 *Stock solutions*

4.3.1.1 1 M Tris-HCL pH 8.0

121.1g Tris, made up to 1 liter with de-ionised water and adjusted to pH 8.0 with 50% HCl

4.3.1.2 1 M Tris-HCl pH 9.1

121.1 g Tris, made up to 1 liter with de-ionised water and adjusted to pH 9.1 with 50% HCl

4.3.1.3 1 M Sodium acetate pH 5.0

136.08 g Sodium acetate trihydrate, made up to 1 liter with de-ionised water adjusted to pH 5.0 with acetic acid glacial

4.3.1.4 MTT solution

1.0 g MIT made up to 100 ml with de-ionised water

4.3.1.5 NBT solution

1.0 g NBT made up to 100 ml with de-ionised water

4.3.1.6 PMS solution

200 mg PMS, made up to 100 ml with de-ionised water

-
- 4.3.1.7 MgCl₂ solution
21.35 g Magnesium chloride hexahydrate
made up to 100 ml with de-ionised water
- 4.3.1.8 Malic acid solution
5 g LL-Malic acid, made up to 100 ml with de-ionised water and adjusted to pH 8.0 with 1 M NaOH
- 4.3.2 *Staining solutions (volume: 200 ml)*
- 4.3.2.1 MDH + ADH staining solution
20 ml Tris-HCl pH 9.1 (4.3.1.2.)
+ 180 ml de-ionised water
+ 8 ml Malic acid solution (4.3.1.8.)
+ 10 ml Ethanol
+ 80 mg NAD
+ 4 ml NBT solution (4.3.1.5.)
+ 3 ml PMS solution (4.3.1.6.)
- 4.3.2.2 IDH staining solution
20 ml Tris-HCl pH 8.0 (4.3.1.5.)
+ 180 ml de-ionised water
+ 500 mg DL-Isocitric acid Na₃ salt
+ 10 ml MgCl₂ solution (4.3.1.7.)
+ 6 mg NADP
+ 4 ml MTT solution (4.3.1.4.)
+ 3 ml PMS solution (4.3.1.6.)
- 4.3.2.3 PGI + PGD staining solution
10 ml Tris-HCl pH 8.0 (4.3.1.1.)
+ 190 ml de-ionised water
+ 200 mg Fructose 6-phosphate Na₂ salt
+ 80 mg 6-Phosphogluconic acid Na₃ salt trihydrate
+ 2 ml MgCl₂ solution (4.3.1.7.)
+ 20 mg NADP
+ 2 ml MTT solution (4.3.1.4.)
+ 3 ml PMS solution (4.3.1.6.)
+ 50 units Glucose 6-phosphate dehydrogenase
- 4.3.2.4 PGM staining solution
20 ml Tris-HCl pH 8.0 (4.3.1.1.)
+ 180 ml de-ionised water
+ 1 g Glucose 1-phosphate
+ 200 mg EDTA Na₂ salt
+ 4 ml MgCl₂ solution (4.3.1.7.)
+ 20 mg NADP
+ 3 ml MTT solution (4.3.1.4.)
+ 2 ml PMS solution (4.3.1.6.)
+ 100 units Glucose 6-phosphate dehydrogenase
- 4.3.2.5 ACP staining solution
4 ml Sodium acetate pH 5.0 (4.3.1.3.)
+ 196 ml de-ionised water
+ 200 mg Fast Garnet GBC salt
+ 492 mg 1-Naphthylphosphate Na₃ salt dihydrate
+ 2 ml MgCl₂ solution (4.3.1.7.)
- 4.3.2.6 DIA staining solution
20 ml Tris-HCl pH 9.1 (4.3.1.2.)
+ 180 ml de-ionised water
+ 2 g PVP-40
+ 20 mg NADH
+ 16 ml MTT solution (4.3.1.4.)
+ 16 mg 2,6-Dichlorophenol-indophenol Na salt

5. Procedure

5.1 *Enzyme extraction*

Maize seedlings are grown on moistened germination paper, at 25°C, in darkness. After six days, individual coleoptiles are harvested and homogenized at 4°C, with a pestle in micro-tubes containing 0.060 ml extraction solution (3.1). The extracts can be stored at –30°C.

5.2 *Preparation of the gel*

To make two 12.5% starch gels (18 × 18 × 1 cm) the following is required: 128 g starch are mixed in 1020 ml gel buffer (4.2.1.3. or 4.2.2.2.) in a 1000 ml Buchner flask at 80°C. The mixture is degassed for 40 seconds. The gels are poured into gel moulds as described in the user's manual of the equipment used. The formation of air bubbles should be avoided. The gels are allowed to cool at room temperature, for at least two hours, and wrapped with polyethylene film for overnight storage. Before electrophoresis, the gels are cooled at 4°C for at least one hour.

5.3 *Electrophoresis*

5.3.1 The tanks are filled with the appropriate volume of running buffer (4.2.1.2. or 4.2.2.1.) pre-cooled to 4°C. A slit is cut in the gel at 1 cm from the cathode. The enzyme extracts from 5.1 (30 extracts for on 18 × 18 × 1 cm gel) are absorbed onto 15 × 2 × 1 mm wicks at from Whatman N° 3 chromatography paper. The wicks are placed into the slit. At 1 cm of each edge of the gels, a wick soaked with bromophenol blue solution (4.2.2.3.) is inserted. The electrophoresis is carried out at 4°C. A constant voltage of 200 V (maximum current of 150 mA for two 18 × 18 × 1 cm gels is applied for 20 minutes). The wicks are then removed and the electrophoresis is continued at a constant voltage of 280 V (maximum current of 180 mA for two 18 × 18 × 1 cm gels), until the bromophenol blue marker has migrated 14 cm (4 hours).

5.4 *Enzyme staining*

After electrophoresis the gel is cut horizontally in 1 mm thick slices. The upper slice is discarded. Individual gel slices are stained by incubation in the following solutions at 37°C in darkness.

for MDH and ADH: solution 4.3.2.1.,	for IDH: solution 4.3.2.2.
for PGI and PGD: solution 4.3.2.3.,	for PGM: solution 4.3.2.4.
for ACP: solution 4.3.2.5.,	for DIA: solution 4.3.2.6

The ACPs migrate in the first 4 cm of the gel; the PGMs go further; therefore, it is possible to stain these two enzymes on the same gel after having cut it transversally.

The staining times range between 30 and 120 minutes. After staining the gel slices are rinsed in distilled water before being stored. The following procedure for long time storing can be successfully used: e.g. drying the gels between two cellophane sheets or storing in sealed polythene bags.

6. Recognition of the alleles encoding isoenzymes

6.1 *Recognition of the alleles encoding MDH*

6.1.1 *Genetic interpretation of the zymogrammes*

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles	
		8	Mdh1	1,6	
		6L	Mdh2	3+3,5*,4,5,6	intergenic
Malate dehydrogenase (MDH)	Dimetric	3L	Mdh3	16,18	interactions
		1L	Mmm	M,m	
		1L	Mdh4	12	intergenic
		5S	Mdh5	12,15	interactions

* The enzymes encoded by the alleles 3 and 3,5 have a very proximal electrophoretic mobility; so, they are not scored as different.

There are interactions between the products of the genes (polypeptide subunits) on the one hand, encoded by Mdh1, Mdh2, Mdh3, and on the other hand, encoded by Mdh4 and Mdh5.

Genotype						Example inbred lines
Mdh1	Mdh2	Mdh3	Mmm	Mdh4	Mdh5	
6/6	6/6	16	M	12	12	A239
6/6	3/3	16	M	12	12	CM7
6/6	6/6	16	M	12	15	F2
6/6	6/6	18	M	12	12	F1444
6/6	3/3	18	M	12	12	CO158
1/1	3/3	16	M	12	12	F252
6/6	4,5/4;5	16	M	12	12	W401

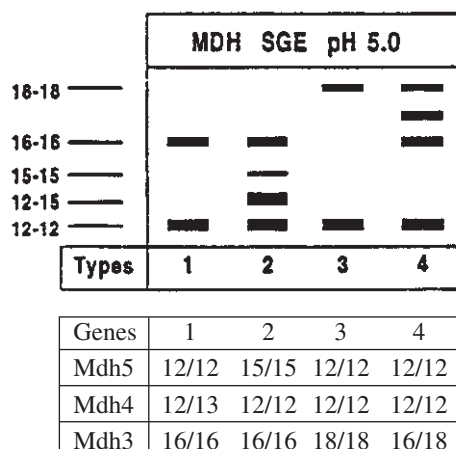
6.1.2 Schematization of the zymogrammes

For the recognition of the alleles at the loci Mdh1, Mdh2 and Mdh4 the SGE at pH 6.5 should be used. For the recognition of the alleles at the loci Mdh3 and Mdh5, a second electrophoresis system should be used: SGE at pH 5.0.



Types	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Genes																		
Mdh5	12/12	15/15	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	15/15	12/12	12/12	12/12	12/12
Mdh4	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12
Mmm	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M
Mdh3	16/16	16/16	18/18	16/16	16/16	16/16	18/18	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16
Mdh2	6/6	6/6	6/6	6/6	6/6	3/3	3/4,5	3/3	3/6	3/6	3/3	3/3	3/4,5	3/3	4,5/4,5	3/6	3/4,5	4,5/6
Mdh1-	6/6	6/6	6/6	1/1	1/6	6/6	6/6	6/6	1/6	1/1	1/6	1/1	1/1	1/1	6/6	6/6	1/6	6/6

Some bands which are very faint are drawn in dotted lines. Some bands overlap and cannot be drawn in distinct bands.



6.2 Recognition of the alleles encoding IDH

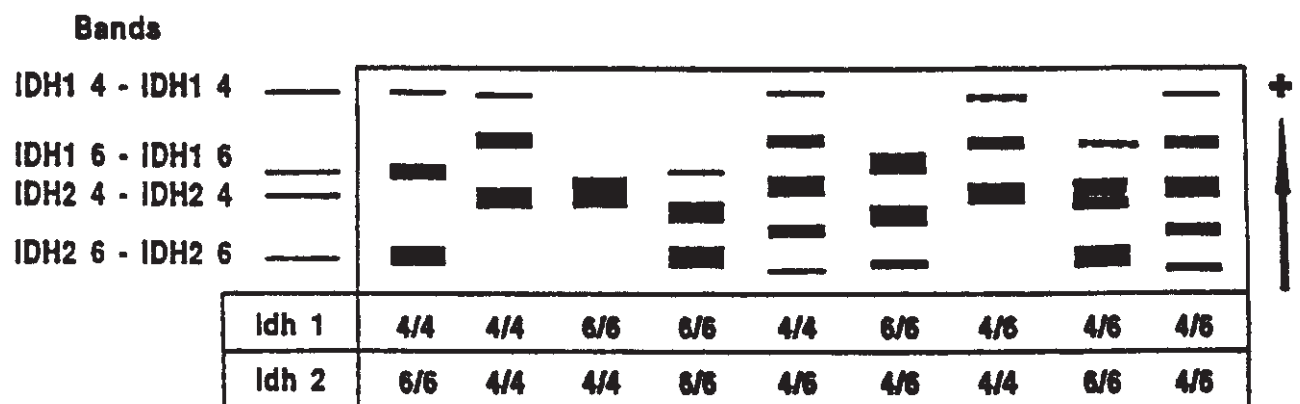
6.2.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles	
Isocitrate		8	Idh1	4,6	intergenic
Dehydrogenase	Dimeric				interactions
		6	Idh2	4,6	
(IDH)					

There are interactions between the products of the genes (polypeptide subunits) encoded by Idh1 and Idh2.

Genotype		Example inbred lines
Idh1	Idh2	
4/4	4/4	F16
4/4	6/6	A632
6/6	4/4	F1110
6/6	6/6	CO158

6.2.2 Schematization of the zymogrammes



Some bands which are very faint are drawn in dotted lines. Some bands overlap and cannot be drawn as distinct bands.

6.3 Recognition of the alleles encoding PGD

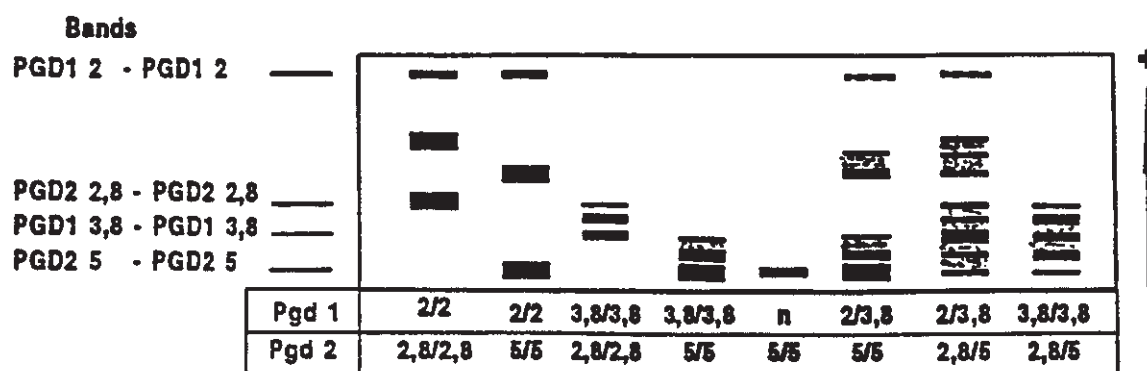
6.3.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles	
6-phosphogluconate		6	Pgd1	2,3,8,n	
Dehydrogenase	Dimeric				intergenic
		3L	Pgd2	2,8,5	interactions
(PGD)					

There are interactions between the products of the genes (polypeptide subunits) encoded by Pgd1 and Pgd2.

Genotype		Example inbred lines
Pgd1	Pgd2	
2/2	5/5	A239
3,8/3,8	2,8/2,8	A632
3,8/3,8	5/5	F2
n/n	5/5	H108

6.3.2 Schematization of the zymogrammes



Some bands which are very faint are drawn in dotted lines. Some bands overlap and cannot be drawn in distinct bands.

6.4 Recognition of the alleles encoding PGM

6.4.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles
	Monomeric	1L	Pgm1	9,16
Phosphoglucumutase				1
	Monomeric	5S	Pgm2	3
(PGM)				4
				8

Genotype		Example inbred lines
Pgm1	Pgm2	
9/9	1/1	F2
9/9	3/3	F16
9/9	4/4	A632
9/9	8/8	M017

Footnote to PGM

The allele combinations 9/9+1/1, 9/9+1/4 and 9/9+1/3, the allele combinations 9/9+3/3, 9/9+1/3 and 9/9+3/4, 16/16+4/4 and 9/16+4/4 and 9/16+3/4, The allele combinations 9/9+1/1, 9/9+4/4 and 9/9+3/4 and

the allele combinations 9/9+8/8, 9/9+3/8 and 9/9+4/8 respectively produce identical or closely related zymogrammes. Therefore in characteristic 42.1

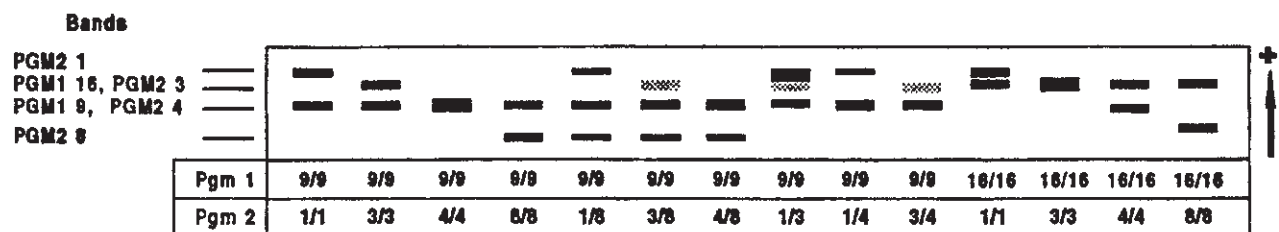
the note 1 can be 9/9+1/4 or 9/9+1/3 too,

the note 2 can be 9/9+1/3 or 9/9+3/4 or 9/16+3/4 too,

the note 3 can be 9/9+3/4 too and

the note 4 can be 9/9+3/8 or 9/9+4/8.

6.4.2 Schematization of the zymogrammes



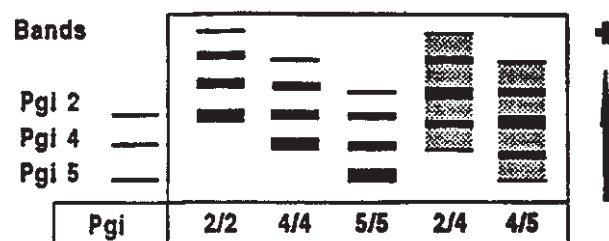
6.5 Recognition of the alleles encoding PGI

6.5.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles
Phosphoglucosomerase	Dimetric	1L	Pgi1	4
(PGI)				5

Genotype	Example inbred lines
Pgi1	
4/4	A239
5/5	A632

6.5.2 Schematization of the zymogrammes



6.6 Recognition of the alleles encoding ACP

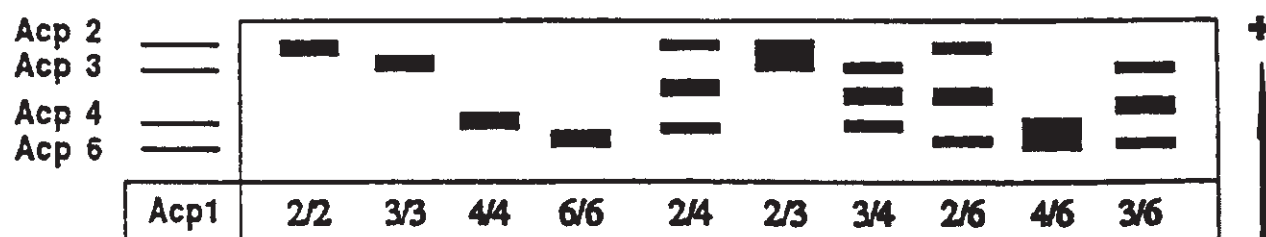
6.6.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles
				2
Acid phosphatase	Dimeric	9L	Acp1	3
				4
(ACP)				6

Genotype	Example inbred lines
Acp1	
2/2	F2
3/3	A239
4/4	A632
6/6	F1444

6.6.2 Schematization of the zymogrammes

Bands



Some bands overlap and cannot be drawn as distinct bands.

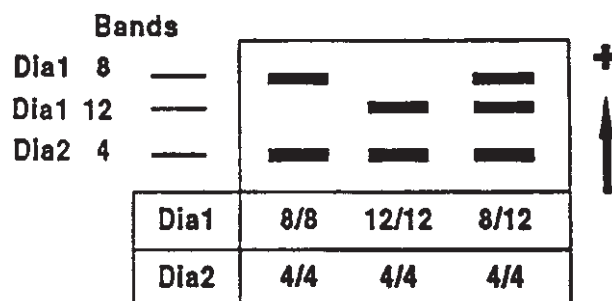
6.7 Recognition of the alleles encoding DIA

6.7.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles
Diaphorase	Monomeric	2	Dia1	8
				12
(DIA)	Dimetric	1L	Dia2	4

Genotype		Example inbred lines
Dia1	Dia2	
8/8	4/4	F2
12/12	4/4	CO158

6.7.2 Schematization of the zymogrammes



2. Footnote to ACP

The alleles 3/3 and 2/3 and the alleles 2/2 and 3/3 respectively produce very similar zymogrammes. Therefore in characteristic 44.1 the note 1 can be 2/2 or 2/3 and the note 2 can be 3/3 or 2/3. The alleles 4/4 and 4/6 and the alleles 6/6 and 4/6 respectively produce very similar zymogrammes. Therefore in characteristic 44.1 the note can be 4/4 or 4/6 and the note 4 can be 6/6 or 4/6.

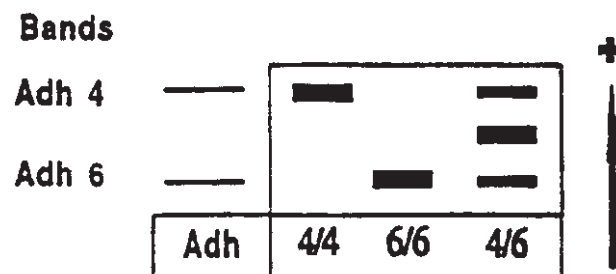
6.8 Recognition of the alleles encoding ADH

6.8.1 Genetic interpretation of the zymogrammes

Enzyme	Quaternary structure	Chromosomal location	Locus	Alleles
Alcohol dehydrogenase	Dimetric	1L	Adh1	4
(ADH)				6

Genotype	Example inbred lines
Adh1	
4/4	F1444
6/6	F2

6.8.2 Schematization of the zymogrammes



6.9 Description of the example inbred lines and hybrids

See pages 34 and 35 of the Annex 2.

Description of the example inbred lines and hybrids

inbred lines lignées endogames Inzuchtlinien	M d h 1	M d h 2	M d h 3	M m m	M d h 4	M d h 5	I d h 1	I d h 2	P g d 1	P g d 2	P g m 1	P g m 2	P g i 1	A c p 1	D i a 1	A d h 1
A239	6/6	6/6	16/16	M/M	12/12	12/12	4/4	4/4	2/2	5/5	9/9	4/4	4/4	3/3	8/8	4/4
A632	6/6	6/6	16/16	M/M	12/12	12/12	4/4	6/6	3,8/3,8	2,8/2,8	9/9	4/4	5/5	4/4	8/8	4/4
CM7	6/6	3/3	16/16	M/M	12/12	12/12	4/4	6/6	3,8/3,8	5/5	9/9	3/3	4/4	4/4	12/12	4/4
CO158	6/6	3/3	18/18	M/M	12/12	12/12	6/6	6/6	3,8/3,8	5/5	9/9	4/4	4/4	4/4	12/12	4/4
F1110	6/6	3/3	16/16	M/M	12/12	12/12	6/6	4/4	3,8/3,8	5/5	9/9	3/3	4/4	3/3	8/8	4/4
F1444	6/6	6/6	18/18	M/M	12/12	12/12	4/4	6/6	3,8/3,8	5/5	9/9	3/3	4/4	6/6	8/8	4/4
F16	1/1	3/3	16/16	M/M	12/12	12/12	4/4	4/4	3,8/3,8	5/5	9/9	3/3	4/4	2/2	8/8	4/4
F2	6/6	6/6	16/16	M/M	12/12	15/15	4/4	4/4	3,8/3,8	5/5	9/9	1/1	4/4	2/2	8/8	6/6
F252	1/1	3/3	16/16	M/M	12/12	12/12	4/4	4/4	3,8/3,8	5/5	9/9	4/4	4/4	3/3	12/12	4/4
H108	6/6	6/6	16/16	M/M	12/12	12/12	4/4	4/4	n/n	5/5	9/9	8/8	4/4	2/2	8/8	4/4
M017	6/6	6/6	16/16	M/M	12/12	12/12	4/4	4/4	3,8/3,8	5/5	9/9	8/8	4/4	2/2	8/8	4/4
W401	6/6	4,5/4,5	16/16	M/M	12/12	12/12	4/4	6/6	2/2	5/5	9/9	3/3	4/4	2/2	8/8	4/4

2.

Direcciones a las que pueden enviarse las solicitudes de protección comunitaria de obtenciones vegetales:

Adresser, som ansøgninger om EF-sortsbeskyttelse kan sendes til:

Anschriften, an die Anträge auf gemeinschaftlichen Sortenschutz gerichtet werden können:

Διευθύνσεις για την υποβολή αιτήσεων κοινοτικού δικαιώματος επί φυτικής ποικιλίας:

Addresses to which applications for a Community plant variety right may be sent:

Adresses auprès desquelles les demandes de protection communautaire des obtentions végétales peuvent être déposées:

Indirizzi ai quali possono essere inviate le domande di privativa comunitaria per ritrovati vegetali:

Adressen waar aanvragen van een communautair kwekersrecht kunnen worden ingediend:

Endereços onde podem ser apresentados pedidos de protecção comunitária das obtenções vegetais:

Osoitteet, joihin yhteisön kasvinjalostajanoikeuksia koskevat hakemukset voidaan lähettää:

Adresser som ansökningar om gemenskapens växtförädlarrätt kan skickas till:

1. **Oficina Comunitaria de Variedades Vegetales / EF-Sortsmyndigheden / Gemeinschaftliches Sortenamt / Κοινοτικό Γραφείο Φυτικών Ποικιλιών / Community Plant Variety Office / Office communautaire des variétés végétales / Ufficio comunitario delle varietà vegetali / Communautaire Bureau voor plantenrassen / Instituto Comunitário das Variedades Vegetais / Yhteisön kasvilajikevirasto / Gemenskapens växtsortsmyndighet**

BP 2141, F-49021 Angers Cedex 02, tél.: (33) 241 25 64 00, fax: (33) 241 25 64 10

2. **Buzones en los Estados miembros / Postadresser i medlemsstaterna / Briefkästen in den Mitgliedstaaten / Ταχυδρομικές διευθύνσεις στα κράτη μέλη / PO boxes in the Member States / Boîtes aux lettres dans les États membres / Cassette postali negli Stati membri / Brievenbussen in de lidstaten / Caixas postais nos Estados-membros / Postiosoitteet jäsenvaltioissa / Postadresser i medlemsstaterna**

B: Ministerie van Landbouw/Ministère de l'agriculture
Dienst tot Bescherming van Kweekproducten/
Service de la protection des obtentions végétales
World Trade Center 3, 11ème étage
30 Boulevard Simon Bolivar
B-1000 Bruxelles
Téléphone: (32 2) 208 44 08; télécopieur: (32 2) 208 44 21

I: Ufficio italiano brevetti e marchi
Ministero Industria Commercio e Artigianato
Via Molise 19
I-11087 Roma
Tel.: (39-06) 47 05 30 68, fax: (39-06) 47 05 30 35

DK: Danish Institute of Agricultural Sciences
Department of Variety Testing
PO Box 7
Teglværksvej 7, Tystofte
DK-4230 Skælskør
Tlf. (45) 58 16 06 00; fax (45) 58 16 06 06

NL: Raad voor het Kwekersrecht
Nudestraat 15/Postbus 104
6700 AC Wageningen
Nederland
Tel.: (31-317) 47 80 90; telefax (31-317) 42 58 67

D: Bundessortenamt
Osterfelddamm 80
D-30627 Hannover
Tel.: (49) 51 19 56 65, Fax: (49) 511 56 33 62

A: Bundesamt und Forschungszentrum für Landwirtschaft
Sortenschutzamt
Postfach 400
A-1226 Wien
Tel.: (43) 1-2 88 16 4172, Fax: (43) 1-2 88 16 4211

EL: Υπουργείο Γεωργίας
Ινστιτούτο έρευνας ποικιλιών καλλιεργούμενων φυτών
GR-57400 Σίνδος, Θεσσαλονίκη
Τηλέφωνο: (30-31) 799 684, φάξ: (30-31) 799 392

P: Instituto de Protecção da Produção
Agro-Alimentar
CNPPA-CENARVE
Tapada da Ajuda, Edifício 2
P-1300 Lisboa
Tel.: (351-1) 326 16 07; telefax: (351-1) 362 16 06

E: Ministerio de Agricultura, Pesca y Alimentación
Oficina Española de Variedades Vegetales
Avenida Ciudad de Barcelona, 6. – 2º
E-28007 Madrid
Tel.: (34) 91 347 6593, fax: (34) 91 347 6703

FIN: Ministry of Agriculture
Plant Variety Rights Office
Liisankatu 8, PO Box 322
FIN-00171 HELSINKI
Puhelin: (358-9) 160 33 16, faksi: (358-9) 160 24 43

F: Ministère de l'agriculture
Comité de la protection des obtentions végétales
11, rue Jean-Nicot
F-75007 Paris
Téléphone: (33 1) 42 75 93 14; télécopieur: (33 1) 42 75 94 25

S: Statens Växsortsnämnd
Box 1247
S-171 24 SOLNA
Tfn (46-8) 730 66 30, fax (46-8) 83 31 70

IRL: Department of Agriculture, Food and Forestry
Agriculture House (7w)
Kildare Street
Dublin 2
Ireland
Tel. (353-1) 607 20 00, fax (353 1) 661 62 63

UK: Ministry for Agriculture, Fisheries and Food
Plant Variety Rights Office
Huntingdon Road
Cambridge CB3 0LF
United Kingdom
Tel. (44-1223) 34 23 80, fax (44-1223) 34 23 86

3.

Fecha límite de presentación de las solicitudes para el próximo número del Boletín Oficial:

Sidste frist for ansøgninger til offentliggørelse i næste udgave af Den Officielle Tidende:

Schlußdatum für Anträge mit Blick auf die nächste Ausgabe des Amtsblatts:

Ημερομηνία λήξης της προθεσμίας για αιτήσεις ενόψει της επόμενης έκδοσης της Επίσημης Εφημερίδας:

Closing date for applications in view of the next edition of the Official Gazette:

Date de clôture pour des demandes en vue de la prochaine édition du Bulletin officiel:

Termine ultimo per la pubblicazione delle domande nella prossima edizione del Bollettino ufficiale:

Uiterste datum van de aanvragen voor opneming in het volgende nummer van het Mededelingenblad:

Data-limite para pedidos com vista à próxima edição da Gazeta Oficial:

Hakemusten viimeinen jättöpäivä virallisen lehden seuraavaa numeroa varten:

Sista datum för ansökningar för offentliggörande i Officiella tidskriftens nästa nummer:

28. 02. 2002

4.

Lista de solicitantes y titulares de protección comunitaria de obtenciones vegetales, de obtentores y de representantes legales

Liste over ansøgere om og indehavere af EF-sortsbeskyttelse, forældre og befuldmægtigede

Liste der Antragsteller, der Inhaber von gemeinschaftlichem Sortenschutz, der Züchter und der Verfahrensvertreter

Κατάλογος αιτούντων και κατόχων κοινοτικών δικαιωμάτων επί φυτικών ποικιλιών, δημιουργών και αντικλήτων

List of the applicants for and the holders of Community plant variety rights, breeders and procedural representatives

Liste des demandeurs et des titulaires de protection communautaire des obtentions végétales, des obtenteurs et des mandataires

Elenco dei richiedenti, dei titolari di una privativa comunitaria per ritrovati vegetali, dei costitutori e dei mandatari

Lijst van aanvragers en houders van een communautair kwekersrecht, van kwekers en van vertegenwoordigers voor de procedure

Lista dos requerentes e titulares de protecção comunitária das obtenções vegetais, dos obtentores e dos representantes para efeitos processuais

Hakijoiden, yhteisön kasvinjalostajanoikeuksien omistajien, jalostajien ja menettelyyn valtuutettujen edustajien luettelo

Ansökande och innehavare av gemenskapens växtförädlarrätt, förädlare och ombud

Número Nummer Nummer Αριθμός Number Numéro Numero Nummer Número Numero Nummer	Nombre Navn Name Όνομα Name Nom Nome Naam Nome Nimi Namn	Dirección Adresse Adresse Διεύθυνση Address Adresse Indirizzo Adres Endereço Osoite Adress
1	2	3
00003	GPL INTERNATIONAL AS	LAVSENVÆNGET 18 – P.O.B. 29 DK-5200 ODENSE V
00004	SUNNY GRØNNEGYPDEN APS	GRØNNEGYPDEN 148 DK-5270 ODENSE N
00007	FOX K. DR. Advanta Seeds UK Limited	SLEAFORD LINCOLN NG34 7HA UNITED KINGDOM
00008	ELSOMS SEEDS LTD Keeling Anthony	PINCHBECK ROAD LINCOLNSHIRE PE 11 1QG UNITED KINGDOM
00009	S. A. FLORIMOND DESPREZ VEUVE ET FILS	BP 41 F-59242 CAPPELLE EN PEVELE
00010	HORTICULTURE RESEARCH INTERNATIONAL	WELLESBOURNE WARWICK CV15 9EF UNITED KINGDOM

1	2	3
00011	ORUM S. Meiosis Ltd.	BRADBOURNE HOUSE STABLE BLOCK KENT EAST MALLING ME19 6DZ UNITED KINGDOM
00012	FLORA-NOVA PFLANZEN GMBH	POSTFACH 200828 D-40105 DÜSSELDORF
00013	SCHUMANN INGEBORG	RAIDENTRASSE 135 D-72458 ALBSTADT
00014	UTECHT ANGELIKA Flora Nova Pflanzen GmbH	POSTFACH 200828 D-40105 DÜSSELDORF
00021	PIET SCHREURS HOLDING BV	HOOFDWEG 81 1424 PD DE KWAKEL NETHERLANDS
00023	FLORIST DE KWAKEL BV	HOOFDWEG 42 1433JW KUDELSTAART NETHERLANDS
00024	SCHOLTEN H. Florist De Kwakel BV	HOOFDWEG 42 1433JW KUDELSTAART NETHERLANDS
00025	FIDES BEHEER BV	POSTBUS 26 2678 ZG DE LIER NETHERLANDS
00029	KONINKLIJKE VAN ZANTEN BV	LOOSTERWEG 1A – POSTBUS 25 2180AA HILLEGOM NETHERLANDS
00031	VILMORIN SA	ROUTE DU MANOIR F-49250 LA MENITRE
00033	HOBACHO BV	POSTBUS 6 2160 AA LISSE NETHERLANDS
00035	DEN HARTIGH BV	P.O. BOX 3 8300 AA EMMELOORD NETHERLANDS
00036	KLEMM + SOHN GMBH & CO. KG	HANFÄCKER 10 D-70378 STUTTGART
00038	LOCHOW PETKUS GMBH	POSTFACH 1197 D-29296 BERGEN
00039	WILDE P. DR. von Lochow-Petkus GmbH	POSTFACH 1197 D-29296 BERGEN
00044	KWS SAAT AG vorm Rabbethge & Giesecke	POSTFACH 14 63 D-37555 EINBECK
00049	EVANS J.L.	2 DRAKE WAY – IMPINGTON CAMBRIDGE CB4 4BA UNITED KINGDOM
00053	NUNHEMS ZADEN BV	PO BOX 4005 6080 AA HAELEN NETHERLANDS

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00054	SCOTTISH CROP RESEARCH INSTITUTE	INVERGOWRIE DUNDEE TAYSIDE DD2 5DA UNITED KINGDOM
00058	CPB TWYFORD LTD	CHURCH STREET – THRILOW NR ROYSTON HERTS SG8 7RE UNITED KINGDOM
00062	ADVANTA SEEDS UK LIMITED	SLEAFORD LINCOLNSHIRE NG34 7HA UNITED KINGDOM
00071	DÜMMEN MARGA	DAMMWEG 18-20 D-47495 RHEINBERG
00076	NOVARTIS SEEDS BV	POSTBUS 2 1600 AA ENKHUIZEN NETHERLANDS
00078	L. DÆHNFELDT A/S	FÄBORGVEJ 248 B POSTBOKS 185 DK-5250 ODENSE SV
00081	POULSEN ROSER APS Pernille and Mogens N. Olesen	HILLERØDVEJEN 49 DK-3480 FREDENSBORG
00082	MOERHEIM NEW PLANT BV	WETERINGWEG 3A 2155 MW LEIMUIDERBRUG NETHERLANDS
00083	NEW FARM CROPS LTD	MARKET STANTON LINCOLNSHIRE LN8 5LJ UNITED KINGDOM
00087	LIMAGRAIN GENETICS GRANDES CULTURES SA	B.P. 115 F-63203 RIOM Cédex
00088	RIJK ZWAAN ZAADTEELT EN ZAADHANDEL BV	BURGEMEESTER CREZEELAAN 40 2678 KX DE LIER NETHERLANDS
00089	ELSNER PAC JUNGPFANZEN	KIPSDORFER STR. 146 D-01279 DRESDEN
00091	HARKNESS NEW ROSES LTD	CAMBRIDGE ROAD HITCHIN HERTS SG4 0JT UNITED KINGDOM
00092	DAVID AUSTIN ROSES LTD	BOWLING GREEN LANE – ALBRIGHTON WOLVERHAMPTON WV7 3HB UNITED KINGDOM
00096	HILVERDA BV	POSTBUS 8 1430AA AALSMEER NETHERLANDS
00103	DE MEYER CAROLINE	KOEWEGSTRAAT 4 B-9270 LAARNE
00106	JULIUS WAGNER GMBH	EPPELHEIMER STR 18-20 D-69115 HEIDELBERG
00108	KARTOFFELZUCHT BÖHM INH.GEBR.BÖHM KG	POSTFACH 13 80 D-21303 LÜNEBURG

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00109	NORDKARTOFFEL ZUCHTGESELLSCHAFT	BAHNHOFSTRASSE 53 D-29574 EBSTORF
00116	CHRYSANTHEMUM BREEDERS ASSOCIATION NV	POSTBUS 370 1430AJ AALSMEER NETHERLANDS
00117	SAKA-RAGIS PFLANZENZUCHT GBR	POSTFACH 11 31 49 DE-20431 HAMBURG
00119	DENIS-PLANTS BVBA	BOCHTENSTRAAT 6 B-9080 LOCHRISTI
00121	YODER BROTHERS INC.	115 THIRD STREET SE PO BOX 230 US-BARBERTON OH 44203
00123	JEPSEN KNUD	DAMSBROVEJ 53 DK-8382 HINNERUP
00124	ROSEN-TANTAU MATHIAS TANTAU NACHFOLGER	TORNESCHER WEG 13 D-25436 UETERSEN
00128	RAMPP JUNGPFANZEN GMBH & CO VERTRIEBS KG	MINDELBERGSTRASSE 9 D-87772 PFAFFENHAUSEN
00129	DRESDNER ZIERPFLANZEN STEINLE	AM TREPTOWER PARK 28-30 D-12435 BERLIN
00130	JAN SPEK ROZEN BV	ZIJDE 155 2771 EV BOSKOOP NETHERLANDS
00132	PLANTAS DE NAVARRA SA	CTRA. SAN ADRIAN KM 1 E-31514 VALTIERRA (NAVARRA)
00137	CLAUSE SEMENCES	46 BOULEVARD PIERRE BROSSOLETTE F-91221 BRETIGNY SUR ORGE CEDEX
00139	KIRIN BREWERY CO. LTD Agribio Business Division	26-1 JINGUMAE 6-CHOME – SHIBUYA-KU JP-150 TOKYO
00143	DEUTSCHE SAATVEREDELUNG Lippstadt Bremen GmbH	POSTFACH 1407 D-59524 LIPPSTADT
00145	KRAMER KURT	EDAMMER STRASSE 26 D-26188 EDEWECHT
00149	P. KOOIJ & ZONEN BV	HORNWEG 132 1432 GP AALSMEER NETHERLANDS
00152	AZIENDA AGRICOLA DOTT.NOBBIO GIACOMO	STRADA VILLETA 17 I-18038 SAN REMO
00154	KWEKERIJ DE AMSTEL BV	NIEUWVEENS JAAGPAD 115 2441 GC NIEUWVEEN NETHERLANDS
00156	ASGROW FRANCE SA EuroParc du Chêne	DOMAINE DE MERCIÉ F-82170 MONBEQUI
00157	NOVARTIS SEEDS SA	12 CHEMIN DE L'HOBIT – BP 27 F-31790 SAINT-SAUVEUR

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00159	AGRICULTURE & AGRI-FOOD CANADA Greenhouse & Processing Crops Research Centre	2585 COUNTY ROAD 20 CA-HARROW N0R 1G0 ONTARIO
00160	S.N.C. STAR FRUITS c/o S.A.R.L. Star Fruits Diffusion	ROUTE D'ORANGE F-84460 CADEROUSSE
00163	S.N.C. MEILLAND & CIE	DOMAINE DE SAINT ANDRE – LE CANNET DES MAURES F-83340 LE LUC EN PROVENCE
00164	«DAN» FLOWERFARM Gabriel Danziger	P.O. BOX 24 IL-50297 BEIT DAGAN
00165	INNOVAPLANT ZIERPFLANZEN GMBH & CO KG L. KIENTZLER	POSTFACH 113 D-55454 GENSINGEN
00171	BRAAM HANDELSKWEKERIJ GEBR. BV	KALSLAGERWEG 2-4 1424 PM DE KWAKEL NETHERLANDS
00172	M.J. BEVELANDER JONGEPLANTEN BV	BANKRASWEG 6b 1183 TP AMSTELVEEN NETHERLANDS
00180	PIONEER HI-BRED INTERNATIONAL INC.	400 LOCUST STREET SUITE 800 US-DES MOINES IOWA 50309
00181	SEMINIS VEGETABLE SEEDS	NUDE 54D 6702 DN WAGENINGEN NETHERLANDS
00182	WEST SELECT BV	POSTBUS 13 2690 AA 'S-GRAVENZANDE NETHERLANDS
00185	GRAINES GAUTIER SA	B.P. 1 F-13630 EYRAGUES
00186	SVALÖF WEIBULL AB	S-26881 SVALÖV
00187	SECOBRA RECHERCHES SA	CENTRE DE BOIS HENRY F-78580 MAULE
00189	DARNAUD JEAN-PIERRE	CHEMIN DE DROMETTE F-26200 MONTELIMAR
00193	GENVAR VITRO BV	AALSMEERDERWEG 882C 1435 EX RIJSENHOUT NETHERLANDS
00195	KIENTZLER GMBH & CO KG	POSTFACH 100 D-55454 GENSINGEN
00198	CELEX BV	ZIJLHOEKLAAN 9 2235SK VALKENBURG NETHERLANDS
00199	PLA POINSETTIA INTERNATIONAL APS	PO BOX 95 DK-3400 HILLERØD
00208	SNOECK J. EN P. EN ZN. BV	DRIETORENSWEG 42 II 8307 PH ENS NETHERLANDS

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00209	PREGO ROYALTY BV	AALSMEERDERWEG 694 1435ER RIJSENHOUT NETHERLANDS
00214	BRETAGNE-PLANTS Société Coopérative d'Intérêt Collectif Agric	ROUDOUHIR F-29460 HANVEC
00215	VAN WAVEREN PFLANZENZUCHT GMBH	BÖRDELER BERG 4 D-37127 DRANSFELD
00218	COOPERATIVE LINIERE DE FONTAINE-CANY	SAINT PIERRE LE VIGER F-76740 FONTAINE LE DUN
00223	WILLI ENDISCH GBR	GERANIENWEG D-76767 HAGENBACH/PFALZ
00225	VAN STAAVEREN BV	POSTBUS 265 1430 AG AALSMEER NETHERLANDS
00230	TERRA NIGRA HOLDING BV	IEPENLAAN 48 1424 PA DE KWAKEL NETHERLANDS
00232	HAZERA (1939) LTD	BRURIM IL-M P SHIKMIM 79837
00236	HOLLAND BOLROY MARKT BV	KENNEMERSTRAATWEG 431 1851 PD HEILOO NETHERLANDS
00237	BEJO ZADEN BV	TRAMBAAN 1 – POSTBUS 50 1749 ZH WARMENHUIZEN NETHERLANDS
00239	AGRICO BA	POSTBUS 70 8300 AB EMMELOORD NETHERLANDS
00243	DE ZPC BV	P.O. BOX 2 9123 ZR METSLAWIER NETHERLANDS
00244	SAPSA SES SA	RUE DE PIETRAIN 66 B-1370 JODOIGNE
00245	NICKERSON-ZWAAN BV	POSTBUS 28 4920 AA MADE NETHERLANDS
00249	DAHLI TRADE BV	HYACINTENLAAN 15 2182DE HILLEGOM NETHERLANDS
00251	DE RUITER'S NIEUWE ROZEN BV	DWARSWEG 15 1424PL DE KWAKEL NETHERLANDS
00252	KONIJNENBURG & MARK BV	POSTBUS 96 2200 AB NOORDWIJK NETHERLANDS
00254	STICHTING DLO-CENTRUM VOOR PLANTENVEREDELINGS REPRODUCTIEONDERZOEK (CPRO-DLO)	DROEVENDAALSESTEEG 1 6708 PB WAGENINGEN NETHERLANDS

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00260	CAUSSADE SEMENCES SA	Z.I. DE MEAUX F-82300 CAUSSADE
00277	PLANTENKWEKERIJ J. VAN GEEST BV	PERZIKENLAAN 10 2691 JP 'S-GRAVENZANDE NETHERLANDS
00279	SELECCION PLANTAS SEVILLA SL	HACIENDA LA JARILLA APTDO 47 E-41300 SAN JOSE DE LA RINCONADA
00287	SAATZUCHT FIRLBECK GMBH UND CO KG	JOHANN FIRLBECKSTRASSE 20 – RINKAM D-94348 ATTING
00289	SAATZUCHT ENGELN BÜCHLING E.K.	BÜCHLING 8 D-94363 OBERSCHNEIDING
00291	ASTERKLUBBEN	LUMBYVEJ 32B DK-5792 ÅRSLEV
00301	CLEANGRO LTD	VINNETROW ROAD CHICHESTER PO20 6QD WEST SUSSEX UNITED KINGDOM
00303	S.N.C ELARIS	AVENUE JEAN JOXE 75 F-49100 ANGERS
00307	OLIJ ROZEN BV	ACHTERWEG 60 & 73 1424 PP DE KWAKEL NETHERLANDS
00315	NORIKA Nording-Kartoffelzucht-und vermehrungs GmbH.	INSTITUTSPLATZ 1 D-18190 GROß LÜSEWITZ
00317	GIE. STATION DE RECHERCHE DU COMITE NORD 9	RUE D'ATHENES F-75009 PARIS
00320	DEKKER BREEDING BV	JULIANAWEG 6/A 1711RP HENSBROEK NETHERLANDS
00324	SELECTION NEW PLANT SARL	DOMAINE DE SAINT ANDRE – LE CANNET DES MAURES F-83340 LE LUC EN PROVENCE
00328	SARL DAVODEAU LIGONNIERE	75 AVENUE JOXE F-49100 ANGERS
00331	EDWARD VINSON LTD	SANDBANKS GRAVENEY KENT ME13 9DJ UNITED KINGDOM
00332	DELTA-STEK BREEDING BV	POSTBUS 77 2676 ZH MAASDIJK NETHERLANDS
00344	EUROPLANT PFLANZENZUCHT GMBH	BERNHERD RIEMANN STR 13 D – 21335 LUNEBURG
00346	GEVO PFLANZENVERTRIEB GMBH	IM BREITEN LÖHLE 18 D-72622 NÜRTINGEN
00351	KLEMM SIEGFRIED	HANFÄCKER 8 D-70378 STUTTGART

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00357	WÜLFINGHOFF ALSTROEMERIA BV	P.O. BOX 34 2280 AA RIJSWIJK NETHERLANDS
00362	R.A.G.T. SA	AV. ST.PIERRE – SITE DE BOURRAN – B.P.31 F-12033 RODEZ cédex 9
00368	PEPINIERES ET ROSERAIES GEORGES DELBARD SA	MALICORNE F-03600 COMMENTRY
00369	PERLA SELECT BV	STROET 115 1744GM ST. MAARTEN NETHERLANDS
00376	MARKUS SCHMÜLLING	TEMMING 83 D-48727 BILLERBECK
00386	HANDELMAATSCHAPPIJ VAN RIJN BV	PO BOX 6 2690 AA 'S GRAVENZANDE NETHERLANDS
00391	HETTEMA ZONEN KWEEKBEDRIJF BV	RANDWEG 25 8304 EMMELOORD NETHERLANDS
00400	D.J. VAN DER HAVE BV	POSTBUS 1 4410 AA RILLAND NETHERLANDS
00401	GOLDSMITH SEEDS INC.	2280 HECKER PASS HWY US-GILROY CA 95020
00419	BOEKET HANDELMAATSCHAPPIJ BV	POSTBUS 6 HAVEN 10 2160 AA LISSE NETHERLANDS
00420	VAN DEN BOUT & TEN HOOPEN Advocaten	POSTBUS 50 2270AB VOORBURG NETHERLANDS
00421	WUESTHOFF & WUESTHOFF Patent- und Rechtsanwälte	SCHWEIGERSTRASSE 2 D-81541 MÜNCHEN
00422	DE GROOT & SLOT BV	POSTBUS 1016 1700 BA HEERHUGOWAARD NETHERLANDS
00423	ROYALTY ADMINISTRATION INTERNATIONAL CV Nellie Hoek	POSTBUS 156 2690 AD 'S-GRAVENZANDE NETHERLANDS
00426	KLAVER S.P. Bejo Zaden BV	TRAMBAAN 1 – POSTBUS 50 1749 ZH WARMENHUIZEN NETHERLANDS
00427	DUNCUMB JAMES NFC LTD	MARKET STANTON LINCOLNSHIRE LN8 5LJ UNITED KINGDOM
00431	GOEMANS ROBERT ADRIAN Spalding Common	SPALDING Lincs PE11 2JZ UNITED KINGDOM
00432	KNUD JEPSEN A/S	DAMSBROVEJ 53 DK-8382 HINNERUP

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00435	HOEK JAN	NAALDWIJKSEWEG 350 2691 PZ 'S-GRAVENZANDE NETHERLANDS
00438	VAN BENTUM G.P.W. Nickerson-Zwaan BV	POSTBUS 28 4920 AA MADE NETHERLANDS
00441	DEUTSCHE SAATGUTGESELL- SCHAFT MBH	PARRISIUSSTRAßE 33 D-12555 BERLIN
00443	BORRINI STEFANO Società Italiana Brevetti S.p.A.	PIAZZA DI PIETRA 39 I-00186 ROMA
00446	HÄBERLI Obst- und Beerenzentrum GmbH	POSTFACH 166 D-78201 SINGEN HOHENTWIEL
00451	DANESPO A/S	RYTTERVANGEN 1 DK-7323 GIVE
00453	BRUNCKHORST KLAUS	ZUCHTSTATION WETZE D-37154 NORTHEIM
00456	BÖHM NORDKARTOFFEL AGRARPRODUKTION GBR	POSTFACH 13 80 D-21303 LÜNEBURG
00457	SCHOLZ MARTIN	KRIEGHOLZSTRASSE 10 D-18190 SANITZ
00458	REITZIG DORLIES	GEORG MARWEDE HAUS D-29574 EBSTORF
00459	FITSCHEN H.J.	BERNHARD-RIEMANN STR 1-3 D-21335 LÜNEBURG
00461	SCHUCHMANN WALTER	MOORKAMP 56 D-29223 CELLE
00462	BÖHM GEORG	KOHLBACHER HOF 64 D-64395 BRENSBACH
00463	HEINHOLD	EENGELBERGSTRASSE 12/14 D-89077 ULM
00466	ROYON RENÉ	128 SQUARE DU GOLF F-06250 MOUGINS
00472	ENTHOVEN ADRIANUS W.M.	NOORDWEG 53 2291EB WATERINGEN NETHERLANDS
00475	AUSTIN DAVID J.C. David Austin Roses Ltd	BOWLING GREEN LANE – ALBRIGHTON WOLVERHAMPTON WV7 3HB UNITED KINGDOM
00477	HARKNESS ROBERT	LA FIORENTINE ALLEE DE LA TRAVERSIERE 247 F-06250 MOUGINS
00478	LÖHDE JÖRGEN SVALÖF WEIBULL AB	S-268 81 SVALÖF
00479	LUNDIN PER	TÅGARSSVÄGEN 204 S-26176 ASMUNDTORP

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00486	ALBER D. DR. KWS Saat AG	POSTFACH 1463 D-37555 EINBECK
00487	SCHMIDT W. DR. KWS SAAT AG	POSTFACH 1463 D-37555 EINBECK
00489	LEIPERT R. DR.	c/o KWS SAAT AG POSTFAC D-37555 EINBECK
00490	EBERWEIN H.U. DR.	I-35043 MONSELICE (PD)
00491	VENTURO ROBERTA	STRADA ISOLA INFERIORE 71/2 I-18038 SANREMO (IM)
00505	DANZIGER GABRIEL	P.O. BOX 24 IL-50297 BEIT DAGAN
00508	HARKES PETER A.A.	AALSMEERDERWEG 882C 1435 EX RIJSENHOUT NETHERLANDS
00510	WESTHOFF WILHELM	FREESSENHORST 22 D-46354 SÜDLOHN-OEDING
00524	GLICENSTEIN LEON	220 OWANITA ROAD US-ALVA FLORIDA 33929
00525	POLYS SUSAN M	PO BOX 218 US-CHUALAR CALIFORNIA 93925
00554	ENDISCH GERD	GERANIENWEG D-76767 HAGENBACH/PFALZ
00555	KOPPE LUBBERTUS H.	FAZANTLAAN10 3852 AM ERMELO NETHERLANDS
00562	MEILLAND-GUIBERT SONIA	DOMAINE DE SAINT ANDRE – LE CANNET DES MAURES F-83340 LE LUC EN PROVENCE
00567	LANGE WOLF	POSTFACH 1352 D-23602 BAD SCHWARTAU
00569	KNÖSEL KARL	VIA XXV APRILE 3 I-41037 MIRANDOLA
00570	SES EUROPE N.V. – SA	INDUSTRIEPARK – SOLDATENPLEIN Z2 N° 15 B-3300 TIENEN
00571	IJSSELMEERPOLDERS BV Aardappelweek- en selectiebedrijf	VAARTWEEG 44 – P.O.BOX 3 8311 11 ESPEL NETHERLANDS
00581	BENGTSSON LENA	S-268 81 SVALÖV
00613	NIEDERÖSTERREICHISCHE SAATBAUGENOSSENSCHAFT	MEIRES 25 A-3841 A WINDIGSTEIG
00616	VANDENBERG CORNELIS P.	P.O. BOX 218 US-CHUALAR CA 93925
00618	SLOOTS R.H.	AGRICO B.A. P O BOX 70 8300 AB EMMELOORD NETHERLANDS

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00619	SVENSK HANS	JOSEF PLATEAUSTRAAT 22 B-9000 GENT
00633	BALL FLORA PLANT A Division of Ball Horticultural Company	622 TOWN ROAD-WEST CHICAGO US-WEST CHICAGO ILLINOIS 60185
00638	BRANDKAMP HUBERT	IN DER FLORA 6 D-46419 ISSELBURG – ANHOLT
00652	DANKO HODOWLA ROSLIN SP. Z.O.O.	ZARZAD ZIS W CHORYNI PL-64-005 RACOT
00657	DEGENHARDT DICK	LANSING 11 2771BK BOSKOOP NETHERLANDS
00676	GROCEP	STATION DE LAVERGNE – BP 3 F-87370 LAURIERE
00689	INRA Institut National de la Recherche Agronomique	147 RUE DE L'UNIVERSITE F-75338 PARIS CEDEX 07
00709	W. KORDES' SÖHNE ROSENSCHULEN GMBH & CO KG	ROSENSTRASSE 54 D-25365 KLEIN OFFENSETH-SPARRIESHOOP
00710	KWEKERIJ MARIËNOORD BV	MARIËNDIJK 39 2675 SX HONSELERSDIJK NETHERLANDS
00713	LYRAFLOR HANDELSKWEKERIJ BV	POSTBUS 77 2676 ZH MAASDIJK NETHERLANDS
00718	MARIONNET JACQUES GFA	ROUTE DE COURMEMIN F-41230 SOINGS EN SOLOGNE
00725	DE NACHTVLINDER BV	PARADIJSWEG 61 2461 TL TER AAR NETHERLANDS
00731	NORDSAAT SAATZUCHTGESELLSCHAFT GMBH Saatzucht Langenstein	HAUPTSTRASSE 1 D-38895 BÖHNSHAUSEN
00732	NUNHEMS BIO OBTENTION	P.O. BOX 4005 6080 AA HAELEN NETHERLANDS
00735	OGLEVEE LTD.	152 OGLEVEE LANE US-CONNELLSVILLE PA 154-3888
00740	PETERSEN SÖREN ASMUS	POSTFACH 6 D-24976 LUNDGAARD
00741	PIETERS LUC	KOEWEGSTRAAT 4 B-9270 LAARNE
00758	S.N.C.ELARIS/SARL DAVODEAU-LIGONNIERE	AVENUE JEAN JOXE 75 F-49100 ANGERS
00767	SEED SOURCE INC	P.O. BOX 28 US-STONEVILLE MS 38776

1	2	3
00768	SEGERS SELECT CV	GITSESTRAAT 220 B-8800 ROESELARE
00776	T.G.L. FIELD AND SON	MAHANA ROAD 1 NZ-U-MOUTERE NELSON
00777	TAKII & COMPANY LTD	C P O BOX 7 JP-KYOTO
00782	TURNER JOHN.A.	CROMWELL ROAD 22 ELY CAMBS CB6 1AS UNITED KINGDOM
00786	W. VON BORRIES ECKENDORF GMBH & CO	POSTFACH 1151 D-33814 LEOPOLDSHÖHE
00791	JOSEF & HEINRICH WESTHOFF	FREESSENHORST 22 D-46354 SÜDLOHN OEDING
00793	LANGE WINFRIED DR.	POSTFACH 1352 D-23602 BAD SCHWARTAU
00804	DONNENWIRTH JEAN Pioneer Hi-Bred S.A.R.L.	CHEMIN DE L'ENSEIGURE F-31840 AUSSONNE
00805	DUCH NE CHRISTIANE Nickerson SA	5 RUE DE L'EGALITE F-28130 CHARTAINVILLIERS
00808	GUILLERY EMMANUEL Bretagne Plants SCICA	ROUDOUHIR F-29460 HANVEC
00823	HANES MITCHELL EUGENE	JUSTINO DRIVE 1861 SANTA CLARA COUNTY US-CALIFORNIA 95037
00827	AGRI-OBTENTIONS SA	CHEMIN DE LA PETITE MINIERE B.P. 36 F-78041 GUYANCOURT CEDEX
00828	SCHLEMMER SPRINGMANN URSEL Firma Julius Wagner GmbH	EPPELHEIMER STRAAT 18 – 20 D-69115 HEIDELBERG
00831	KELL KRISTIANSEN Statens Planteavlssforsog	KIRSTINEBJERGVEJ 10 DK-5792 ARSLEV
00833	OLIJ WIJNAND HUIBERT Olij Rozen BV	ACHTERWEG 60-73 1424 PP DE KWAKEL NETHERLANDS
00852	C.B.A. RESEARCH BV	POSTBUS 370 1430AJ AALSMEER NETHERLANDS
00853	AARDENBURG L.M. JOHANNES	HONDSBOSSEWEG 6 1969 MA HEEMSKERK NETHERLANDS
00856	BEGONIA BREEDERS ASSOCIATION BV	MACHINEWEG 206 AALSMEER 1432 EV NETHERLANDS
00859	ZAIGER'S INC. GENETICS	1219 GRIMES AVENUE US-MODESTO CA 95358
00882	BUSCH HEINRICH	LIPPSTÄDTER STRASSE 5 D-33129 DELBRÜCK

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00891	MEILLAND ALAIN ANTOINE	DOMAINE DE SAINT ANDRE – LE CANNET DES MAURES F-83340 LE LUC EN PROVENCE
00892	MEILLAND STAR ROSE	DOMAINE DE SAINT ANDRE – LE CANNET DES MAURES F-83340 LE LUC EN PROVENCE
00899	SAATZUCHT QUEDLINBURG GMBH	ERWIN BAUR STRASSE 23 D-06484 QUEDLINBURG
00900	KLEINHANNS CHRISTOPH	BRINKSTRASSE 42 D-06507 BAD SUDERODE
00907	VAN LEEUWEN G.P.M.	HOOGE BEER 13 2295 MZ KWINTSHEUL NETHERLANDS
00909	VIKIMA SEED	INDUSTRIEPARKEN 9 DK-4960 HOLEBY
00913	HOLLAND SELECT RESEARCH BV Ruiter G.J.	POSTBUS 27 1619 ZG ANDIJK NETHERLANDS
00915	THE HORTICULTURE AND FOOD RESEARCH INSTITUT O Batchelar Research Centre	PRIVATE BAG 11030 NZ – PALMERSTON NORTH
00916	WHITE ALLAN Hort Research	GODDARDS LANE NZ – HAVELOCKNORTH
00918	SVENSSON GUNNAR PROF Svalöf Weibull AB	S-268 81 SVALÖV
00921	BERGER JOHANNA	JOHANN FIRLBECK STRASSE 20 RINKAM D-94348 ATTING
00922	BERGER JOSEF	JOHANN FIRLBECK STRASSE 20 RINKAM D-94384 ATTING
00925	PUSTJENS M.J.J.	POSTBUS1 4410 AA RILLAND NETHERLANDS
00928	LAUBACH EBERHARD Nordsaat Saatzucht GmbH	ZUCHTSTATION GUDOW HOFWEG D-23899 GUDOW/SEGRAH
00929	THEOBALD HENDRIK	OTTONENSTRASSE 33 D-55218 INGELHEIM
00931	JA BORST BLOEMBOLLEN BV	NOORDERBRUG 5 1713 CA OBDAM NETHERLANDS
00932	SUNTORY LIMITED Shinichiro Torii	1-40 DOJIMAHAMA 2-CHOME- KITA-KU JP-OSAKA-SHI OSAKA
00938	SVS HOLLAND BV	WESTEINDE 161-163 POSTBUS 22 1600 AA ENKHUIZEN NETHERLANDS

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00943	FGB BV VAN DER WEIJDEN P.M.	POSTBUS 26 2678 ZG DE LIER NETHERLANDS
00979	O'CONNOR DAVID Allium and Brassica Centre	WASH ROAD KIRTON BOSTON LINCS PE20 1QQ UNITED KINGDOM
00984	ABZ AARDBEIEN UIT ZAAD BV	POSTBUS 128 1610 AC BOVENKARSPER NETHERLANDS
00990	SCHLEMMER-SPRINGMANN Julius Wagner GmbH	EPPELHEIMER Str 18-20 D-69115 HEIDELBERG
00993	VINCOURT PATRICK	DOMAINE DE SANDREAU – MONDONVILLE F-31700 BLAGNAC
01003	LAYNE R.E.C. DR Agriculture & Agri food Canada	RESEARCH CENTER HARROW CA-NOR 16À ONTARIO
01006	DEBRAY BERNARD Limagrain Genetics Grandes Cultures SA	B.P. 115 F-63203 RIOM CEDEX
01008	CABINET BEAU DE LOMENIE	158 RUE DE L'UNIVERSITE F-75340 PARIS Cédex 07
01030	NICKERSON SA	RUE DES VIEILLES VIGNES BP 2 CROSSY BEAUBOURG F-77313 MARNE LA VALLEE Cedex 2
01031	GERMICOPA SA	ALLEE LOEIZ-HERRIEU F-29334 QUIMPER CEDEX
01041	LUND TED	US – MOSES LAKE
01052	WAIN PETER	HAVANT ROAD 65 HAYLING ISLAND HANTS UNITED KINGDOM
01063	ASTEE FLOWERS BV Sarneel J.F.	P.O. BOX 2029 2460 BA TER AAR NETHERLANDS
01065	ZAIGER FLOYD	GRIMES AVENUE 1219 – MODESTO US-CALIFORNIA 95358
01067	AGRICULTURE AND AGRI-FOOD CANADA Pacific Agri-Food Research Center	4200 HWY 97 CA-SUMMERLAND BC V0H 1Z0
01071	GOLDSMITH SEEDS EUROPE BV	CORNELIS KUINWEG 28 A 1619PE ANDIJK NETHERLANDS
01076	SEGONDS DANIEL R2n S.A.S.	AV. ST. PIERRE – SITE DE BOURRAN – B.P. 31 F-12033 RODEZ cédex 9
01077	G.I.E. SOCKALB	AV. ST. PIERRE – SITE DE BOURRAN F-12033 RODEZ CEDEX 9
01079	DEKALB GENETICS CORP.	3100 SYCAMORE ROAD US-DEKALB IL 60115

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01095	VOGEL JOSEF	TESCHENDORFER STRAßE 11 D-18190 GROß LÜSEWITZ
01104	PIETERS PLANT PRODUCTION BVBA	SCHIERVELDESTRAAT 14 B-8840 OOSTNIEUWKERKE
01110	DEALTREY PETER M. Genesis	9 PORTLAND STREET KING'S LYNN NORFOLK PE 30 1PB UNITED KINGDOM
01119	SARL PEPINIERES DU VALOIS	CHATEAU DE NOUE F-02600 VILLERS COTTERETS
01122	HAZERA ESPAÑA 90 SA	POLIGONO INDUSTRIAL LA REDONDA E-EL EJIDO 04700 ALMERIA
01135	FA. GEBR. VERWER	DERDE POELLAAN 73-75 2161 DL LISSE NETHERLANDS
01165	HOFFGAARDE BV	FRANSEWEG 9 4651 PV STEENBERGEN NETHERLANDS
01173	ALBRECHT BARBARA	APOLDAER STRASSE 4 D-07778 DORNBURG
01176	PARSONS SEEDS LTD Robert Thom	PO. BOX 280 – BRETON CA-ONTARIO 109 1AO
01183	AGRITRADING	VIA TRIESTE 9 I-20067 TRIBIANO
01207	NOVITAS PLANTAE	POSTBUS 236 2160 AE LISSE NETHERLANDS
01208	TREES SCOTT	710 STANTON ROAD US-ARROYO GRANDE CA 93420
01231	VON KAMEKE KARTZ WINDEBY	ZUCHSTATION WINDEBY D-24340 WINDEBY
01233	KRAFFT LUDWIG	POSTFACH 13 08 31 D-20108 HAMBURG
01241	YASUYUKI MURAKAMI	35-32 YAMAZURA RYUOH-CHO – JP-GAMOU-GUN SHIGA
01271	V.O.F. HYBRIS	POSTBUS 6 2160 AA LISSE NETHERLANDS
01282	LANGE FRANK DR.	POSTFACH 1352 D-23602 BAD SCHWARTAU
01283	REUS S.	DUINWEID 1A OBDAM NETHERLANDS
01286	REUS J.W. BLOEMBOLLEN BV	DE LEET 94 1648VN DE GOORN NETHERLANDS

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01292	LIGTHART 'T VELD J. FA	LEYER POLDERWEG 4 1735 OB 'T VELD NETHERLANDS
01334	BARBERET & BLANC SA	CAMINO VIEJO 205 – APARTADO DE CORREOS 38 E-30890 PUERTO LUMBRERAS
01340	GERAFLOR	LE CLOS ROUAULT F-22590 TREGOMEUR
01343	DARBONNE SC	BOULEVARD JOFFRE 6 F-91490 MILLY LA FORET
01347	ANTHURA BV	ANTHURIUMWEG 14 2665KV BLEISWIJK NETHERLANDS
01354	KRISTENSEN STEENBEK JENS A/S	STENBÆKVEJ 21 – POSTBOKS 1412 DK-8220 BRABAND
01355	FIRMA RIJNERWATERING	OOSTEINDE 108A 2548 AN DEN HAAG NETHERLANDS
01356	STRIK JOHANNES G.J.	OOSTEINDE 108A 2548 AN DEN HAAG NETHERLANDS
01364	TAKII EUROPE BV	HOOFDWEG 19 1424 PC DE KWAKEL NETHERLANDS
01366	KORDES WILHELM KORDES SÖHNE ROSENSCHULEN GMBH & CO KG	ROSENTRABE 54 D-25365 KLEIN OFFENSETH-SPARRIESHOOP
01367	KORDES TIM-HERMANN	ROSENTRABE 54 D-25365 KLEIN OFFENSETH-SPARRIESHOOP
01368	KORDES MARGARITA	ROSENTRABE 54 D-25365 KLEIN OFFENSETH-SPARRIESHOOP
01373	EP & C van Exter Polak & Charlouis BV	P.O. BOX 3241 2280 GE RIJSWIJK NETHERLANDS
01376	SUNSHINE FOLIAGE WORLD	P.O. BOX 328 – ZOLFO SPRINGS US-FLORIDA 33890
01378	BROWN FRANK B.	P.O. BOX 328 – ZOLFO SPRINGS US-FLORIDA 33890
01393	RIJNPLANT BV	HOFZICHTLAAN 5 2636 AM SCHIPLUIDEN NETHERLANDS
01396	DELLEY SAMEN UND PFLANZEN AG.	POSTFACH 16 CH-1567 DELLEY
01397	THABUIS ARLETTE c/o S.a.r.l. Raoul Rolly	11 PLACE BIR-HAKEIM F-38000 GRENOBLE
01401	ROBERSON J. ROBERT	31706 E PINK HILL ROAD US-GRAINE VALLEY MO 64029

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01421	VEGMO PLANT BV	LAVENDELWEG 10 1435 EW RIJSENHOUT NETHERLANDS
01431	VITRO WESTLAND BV	'T HAANTJE 17 C 2288 CV RIJSWIJK NETHERLANDS
01455	BERGER STEPHAN	JOH-FIRLBECK STRAßE 20 RINKAM D-94348 ATTING
01460	C.I.R.E.F.	LANXADE F-24130 PRIGONRIEUX
01488	OPTIMARA ERFINDERGEMEINSCHAFT	BLUMENSTRASSE 28 D-46459 REES-HAFFEN
01498	H. & B.R. VAN DEN BOSCH BV	OEGSTGEESTERWEG 198 A 2231 BC RIJNSBURG NETHERLANDS
01511	YATES FREDERIC CHARLES A.T.Yates & Son Poplars Nursery	HOLMES CHAPEL ROAD – SOMERFORD CONGLETON CHESHIRE CW12 4SP UNITED KINGDOM
01534	TS ROYALTY	WILLEM VAN HOOFFSTRAAT 20 2671 JC NAALDWIJK NETHERLANDS
01538	HILSCHER H.S. DR. KWS SAAT AG	POSTFACH 1463 D-37555 EINBECK
01543	KONINKLIJKE HANDELSKWEKERIJ Weduwe P. Eveleens & Zonen BV	POELWEG 40 1424 PB DE KWAKEL NETHERLANDS
01571	PIETERS JOSEPH EN LUC BVBA	SCHIERVELDESTRAAT 1 B-8840 STADEN OOSTNIEUWERKE
01576	ETS J. LEMAIRE DEFFONTAINES	AUCHY LES ORCHIES F-59310 ORCHIES
01602	PANAMERICAN SEED EUROPE BV	A. STUURMAN – P.O. BOX 11 1430 AA AALSMEER NETHERLANDS
01607	STAMENS JACQUES	2285 RUE DE LILLE F-59262 SAINGHIN-EN-MELANTOIS
01625	POPE NORI	HADSPEN GARDENS CASTLE CARY BA7 7NG SOMERSET UNITED KINGDOM
01638	MONGUZZI F. DR.	I-35043 MONSELICE (PD)
01653	BERGMAN WENDY	P.O. BOX 68 US-ALVA FLORIDA 33920
01668	COSNER HARLAN	4 MILES UP DEMENT CR RD US-P.O. BOX 173 BROADBENT OREGON 97414
01669	COSNER SUE	4 MILES UP DEMENT CR RD US-P.O. BOX 173 BROADBENT OREGON 97414

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01675	BARTELS BREEDING BV	RIETWIJKEROORDWEG 15 1432 JG ALSMEER NETHERLANDS
01677	KOTT LAIMA DR University of Guelph	GUELPH CA-ONTRIO NIG 2WI
01690	KERLEY PRISCILLA GRACE	49 STATION ROAD BETHANY OVER CAMBRIDGE CB4 5NJ UNITED KINGDOM
01692	VAN DONGEN ESTHER	HANEPOEL 11 2136 NJ ZWAANSHOEK NETHERLANDS
01695	WESTHOFF J.+ H. Spezialkulturen und Zuchtneuheiten	FRESENHORST 22-24 D-46354 SÜDLOHN-OEDING
01701	T. VAN NIEUWKERK AMARYLLIS BV	ZWETHKADE-ZUID 50 2635 CW DEN HOORN (Z-H) NETHERLANDS
01702	VAN NIEUWKERK TON PETER	ZWETHKADE-ZUID 50 2635 CW DEN HOORN (Z-H) NETHERLANDS
01735	MORICONI ING.FRANCO	VIA MARIO FANI 37 I-00135 ROMA
01736	GIE SOCKALB Daniel Segonds	AV SAINT PIERR – SITE DE BOURRAN – BP 31 F-12033 RODEZ CEDEX 09
01742	ROMEIN P.	KERKSTRAAT 103 A 1687 AP WOGNUM NETHERLANDS
01750	AZALEAKWEKERIJ ARENDS	ONLANDSEWEG 6 9765 EL PATERSWOLDE NETHERLANDS
01756	SCHMIEDCHEN BRIGITTA Lochow-Petkus GmbH	POSTFACH 1197 D-29296 BERGEN
01759	BERGAMINI ANTONIO	VIA DELLA VAL 2 I – PERGINE VALSUGANA (TN)
01772	SCHIEßBÜHL ERICH	BARLACHSTRßE 7 D-33613 BIELEFELD
01776	AUSTRALFLORA PTY LTA	P O BOX 386 AU-YARRA GLEN 3775 VICTORIA
01790	DEVILLARD GUY	MALICORNE F-03600 COMMENTRY
01793	VAN NIEKERK J. c/o VALKPLANT	VALKENBURGERLAAN 64 2771DA BOSKOOP NETHERLANDS
01807	PANORAMA ROSES NV	KAYA-PANACEA POSTBUS 189 AN-CURACAO
01821	TESTCENTRUM VOOR SIERGEWASSEN BV	HYACINTENLAAN 8-10 2182 DC HILLEGOM NETHERLANDS

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01842	LEMON DAVID	4176 VANGUARD DRIVE US-LOMPOC 93436 CA
01845	KOPPE VEREDELING BV	FAZANTLAAN 10 3852 AM ERMELO NETHERLANDS
01849	WHITE A.R. Blackthorn Nursery	KILMESTON ALRESFORD HANTS SO240NL UNITED KINGDOM
01851	BERDING HERGEN	AM JADEBUSEN 36 D-26345 BOCKHORN
01869	C.R.P.V. SOC. COOP. A R.L.	VIA VICINALE MONTICINO 1969 I-47020 DIEGARO DI CESENA (FO)
01879	ETS ANDRE LABOULET SA	6 AV. N'TCHORERE B.P.5 F-80270 AIRAINES
01881	PEPSICO FOODS AND BEVERAGES INTERNATIONAL LTD	FEATURE ROAD THURMASTON LEICESTER LE 4 8 BS UNITED KINGDOM
01882	MACKENZIE JAMES	BEAULIEU LOCKY TERRACE BLAIRGOWRIE PERTHSHIRE PH10 6HY UNITED KINGDOM
01883	HOOPES ROBERT Frito-Lay Inc	4295 TENDERFOOT ROAD US-RHINELANDER W. I. 54501
01885	NOVARTIS SEEDS AG	LICHSTRASSE 35 CH-4002 BALE
01889	ANVELINK J.E. KP Holland	HERENWERF 34 3155DK MAASLAND NETHERLANDS
01902	NOVARTIS SEEDS GMBH	POSTFACH 3264 ZUM KNIPKENBACH 20 D-32076 BAD SALZUFLEN
01903	HORTIS HOLLAND International Plant Licensing	PO BOX 1072 2280 CB RIJSWIJK NETHERLANDS
01910	BREIER ILAN	IL-60910 BENI ZION
01927	ASGROW VEGETABLES FRANCE	RUEL SIMON F-80500 GUERBIGNY
01931	FRATELLI GALLO S N C DI LAZZARO GALLO & C	VIA FONDO D'ORTO 5 I-80053 CASTELLAMARE DI STABIA
01932	GALLO GIOVANNI	VIA FONDO D'ORTO 5 I-80053 CASTELLAMARE DI STABIA
01944	EX-PLANT APS Carsten Leth og Leif Markvart	KIRKEGYDEN 129 STIGE DK-5270 ODENSE N
01947	UNIVERSITA DEGLI STUDI DI BOLOGNA Dipartimento Colture Arboree	VIA FILIPPO RE 6 I-40126 BOLOGNA

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01964	AGRO EXPORTACIONES (B.W.) SA	HORNWEG 242 1432GT AALSMEER NETHERLANDS
01977	MARCAILLOU JEAN-CLEMENT Seleccion Plantas de Sevilla SL	HACIENDA LA FARILLA APDO 47 E-41300 SAN JOSE RINCONADA
01993	HEUGER JOSEF	MÜNSTERSTRASSE 46 D-49219 GLANDORF
02001	ARKESTIJN LEONARDUS	VAN ROSSUMWEG 1 2614 WT DELFT NETHERLANDS
02022	CORN STATES INTERNATIONAL	Z.A. LE REZEAU F-49800 ANDARD
02023	HOLDEN FOUNDATION SEEDS INC	P.O. BOX 839 WILLIAMSBURG US-IOWA 52361
02032	BÖHM HEINRICH DR.	FUCHSBERG 29 D-21394 KIRCHGELLERSEN
02033	SCHUCHMANN RICHARD DR.	KOPPELRING 18 D-29574 EBSTORF
02034	FEDHOFFER FRIEDRICH	AM KLEIKAMP 4 D-23611 BAD SCHWARTAU
02037	BARATIN RENE Caussade Semences SA	Z.I. DE MEAUX F-82300 CAUSSADE
02042	SOCIETA' ITALIANA BREVETTI S.P.A.	PIAZZA DI PIETRA 39 I-00186 ROMA (RM)
02071	PERKINS RALPH TYLER III	1176 PETERSEN DRIVE US-GILROY CALIFORNIA 95020
02074	LANDBECK M. DR. KWS SAAT AG	POSTFACH 14 63 D-37555 EINBECK
02076	COUTEAU N. SDME-CSA	LE TRAM F-11170 ALZONNE
02088	JAMES COCKER & SONS	WHITEMYRES LANG STRACHT ABERDEEN AB9 2XH UNITED KINGDOM
02090	COMMONWEALTH SCIENTIFIC AND INDUSTR. RESEARCH	LIMESTONE AVENUE AU-CAMPBELL ACT 260
02114	NIELSEN SVEND	NEVERSVEJ 40 NAARUP DK-5690 TOMMERUP
02116	CAMIN GILLES SYNGENTA SEEDS AG	12 CHEMIN DE L'HOBIT - BP 27 F-31790 SAINT SAUVEUR
02133	TERRA NOVA NURSERIES INC	P.O. BOX 23938 US-TIGARD OR 97281-3938
02150	J & H WESTHOFF SPEZIALKULTUREN UND ZUCHTNEUHE	FRESENHORST 22-24 D-46354 SÜDLOHN
02191	TULIP FLOWER BV	STATIONSWEI 25 9137 JZ METSLAWIER NETHERLANDS

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02219	SNOEIJER WIM	VEST 162 2801TX GOUDA NETHERLANDS
02220	NORTHWEST PLANT BREEDING COMPANY	N.E. 1725 WHEATLAND DRIVE US-PULLMAN WA 99163
02224	HANDELSKWEKERIJ «DE EEUWIGE LENTE» BV	BREDESTRAAT 8A 6674 MA HERVELD NETHERLANDS
02232	KRUSE ANGELIKA	STAPENHORSTSTR. 125 B D-33615 BIELEFELD
02246	AMBROGIO GIOVANNI	CASCINA PINETA 10 I-25024 LENO (BS)
02269	PROCULTURE PLANTS LTD. D.P. Jarman	KNOWLE HILL BADSEY EVESHAM WORCESTERSHIRE WR11 5EN UNITED KINGDOM
02276	EVERS HANS JÜRGEN	TORNESCHER WEG 13 D-25436 UETERSEN
02304	INTERPLANT BV	BROEKWEG 5 3956NE LEERSUM NETHERLANDS
02318	PLA INTERNATIONAL APS	PO BOX 95 DK-3400 HILLERØD
02321	SEGERS TH. A. Prego Royalty BV	AALSMEERDERWEG 694 1435 ER RIJSENHOUT NETHERLANDS
02323	GARTNERIET NICHEN	KIRSTINEBJERGVEJ 24 DK-5792 ARSLEV
02329	BRUINS MARCEL B.M. Seminis Vegetable Seeds	NUDE 54D 6702 DN WAGENINGEN NETHERLANDS
02333	WYNEX A. Wijnhout	P.O.BOX 326 2160 AH LISSE NETHERLANDS
02334	CNB (B.A.)	POSTBUS 31 2160AA LISSE NETHERLANDS
02335	NIRIT SEEDS LTD	MOSHAV HADAR AM IL-42935
02341	PINKERT HEINZ	ASCHAFFENBURGERWEG 15 D-64832 BABENHAUSEN
02342	PINKERT ALEXANDER	ASCHFFENBURGERWEG 15 D-64832 BABENHAUSEN
02357	RENAUDAT JEAN-CHARLES	LES CHAUMES F-18370 BEDDES

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02364	TOBUTT KENNETH	FOXENDOWN FARM FOXENDOWN LANE DA13 0AE MEOPHAM KENT UNITED KINGDOM
02365	OLIJ INNOVATION BV	ACHTERWEG 73 1424PP DE KWAKEL NETHERLANDS
02373	WENZL ADOLF	STEINERSDORF 36 A-4595 WALDNEUKIRCHEN
02374	SCHRÄDER RALF	AHORNWEG 6 A D-59348 LÜDINGHAUSEN
02385	YASUNORI YOMO	7610-3 UEDE AKENO JP-KITAKOMO-GUN YAMANASHI
02396	KERLEY DAVID WILLIAM	49 STATION ROAD BETHANY OVER CAMBRIDGE CB4 5NJ UNITED KINGDOM
02400	FRANKEN J G	SWEERUSLAAN 3 2548 AR 'S GRAVENHAGE NETHERLANDS
02402	SANSAVINI SILVIERO DIPT DI COLTURE ARBOREE UNIVERSITA DI BOLOGNA	VIA FILIPPO RE 6 I-40126 BOLOGNA
02404	VENTURA MAURIZIO DIP. DI COLTURE ARBOREE UNIVERSITA DI BOLOGNA	VIA FILIPPO RE 6 I-40126 BOLOGNA
02409	SERASEM	60 RUE LEON BEAUCHAMP – B.P. 45 F-59933 LA CHAPELLE D'ARMENTIERES CEDEX
02416	ALBANI V. & RUGGIERI ITALINA S.S. AGR.	VIA FONTANATETTA BORGO PANTANO S.AGOSTINO I-00053 CIVITAVECCHIA (RM)
02433	HOUTMAN RONALD Sortimentsadvies	VOOROFSSCHEWEG 390 2771MS BOSKOOP NETHERLANDS
02459	DIBLEY LYNN Dibley's Nurseries	LLANELIDAN – RUTHIN NORTH WALES LL15 2LG UNITED KINGDOM
02460	KÖNST BREEDING BV	NIEUWVEENS JAAGPAD 93 2441 GA NIEUWVEEN NETHERLANDS
02462	FUESS JANET S	22 COUNTRY CLUB DRIVE US-NY 13417 NEW YORK MILLS
02463	HOFFERBERT HANS-REINHARD DR. Nordkartoffel Zuchtgesellschaft	D-29574 EBSTORF
02470	LAZZERI ANDREA	VIA PIEDIMONTE 8 I-39012 MERANO (BZ)
02475	BRITISH ASSOCIATION REPRESENTING BREEDERS Ian Ashman	35 A UPPER MARKET – FAKENHAM NORFOLK NR21 9BX UNITED KINGDOM

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02483	NIEDERLÄNDER ANDREAS	HERMANN-LÖNS WEG 49 55559 BRETZENHEIN NETHERLANDS
02484	BOLVAST EXPLOITATIE MAATSCHAPPIJ BV	GRACHTWEG 71 2161 HM LISSE NETHERLANDS
02494	DONNENWIRTH JEAN Pioneer Génétique S.A.R.L.	CHEMIN DE L'ENSEIGURE F-31840 AUSSONNE
02495	VERNEUIL SEMENCES DE PROVENCE	BP 3 F-77390 VERNEUIL L'ETANG
02498	SCHNITZER FRANZ	HASLACHERSTRAB 15 I – DORF TIROL
02511	WHITE S.B. Blackthorn Nursery	KILMESTON ALRESFORD HANTS SO240NL UNITED KINGDOM
02512	TRISTRAM DAVID R Walberton Nursery	YAPTON LANE WALBERTON ARUNDEL WEST SUSSEX BN18 0AS UNITED KINGDOM
02519	VAN ANDEL OTTO JAN ROBERT	RHIJNLANDSOORD 29 1433NB KUDELSTAART NETHERLANDS
02537	SAATZUCHT HADMERSLEBEN GMBH	KROPPESTEDTER STRAßE D-39398 HADMERSLEBEN
02545	DELIFLOR CHRYSANTEN BV	KORTE KRUISWEG 157 POSTBUS 77 2676 ZG MAASDIJK NETHERLANDS
02546	GEBR. KAPITEYN BV	POSTBUS 3 1760 AA ANNA PAULOWNA NETHERLANDS
02553	ZIGNANI LINO PIERO	VIA BORELLO 780 I-47022 BORELLO DI CESENA (FO)
02554	MONSANTO SAS	CENTRE DE RECHERCHE BOISSAY F-28310 TOURY
02557	DELIFLOR ROYALTIES BV	POSTBUS 77 2676ZH MAASDIJK NETHERLANDS
02586	NEW VARIETY Bertil & Folke van Dorp	NOORDERKERSTRAAT 5 8081 ET ELBURG NETHERLANDS
02588	WHITEACRE FARM NURSERY	WALTHAM CANTERBURY KENT CT4 5SR UNITED KINGDOM
02590	SCHLIETER BERND	DORFSTRASSE 26 LEUTEWITZ D-01665 KÄBSCHÜTZTAL
02606	GARTNERIET THORUPLUND A/S v/Jørgen Andersen	TVINGVEJ 43 FRAUGDE DK-5220 ODENSE SØ
02610	PEPINIERES DU VALOIS SARL	CHATEAU DE NOUE F-02600 VILLERS COTTERÊTS

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02619	MOERSELECT BV	BLAKER 2 2678 LW DE LIER NETHERLANDS
02620	DE VRIES VEREDELING BV	MEERWEG 65 1764 KJ BREEZAND NETHERLANDS
02622	FRYER G.R.	KNUTSFORD CHESHIRE WA16 0SX UNITED KINGDOM
02628	POLMAN J.G.W.	RIJKSSTRAATWEG 216 7395 MG TEUGE NETHERLANDS
02629	SHARP TREVOR Monsanto UK Ltd	THE MARIS CENTRE 45 HAUXTON ROAD TRUMPINGTON CAMBRIDGE CB2 2LQ UNITED KINGDOM
02630	MAURITS PETRUS H.	ZIJLHOEKLAAN 9 2235 SK VALKENBURG NETHERLANDS
02639	ISTITUTO SPERIMENTALE PER LA FRUTTICOLTURA	VIA DI FIORANELLO 52 I-00134 ROMA
02642	DESPEGHEL JEAN PIERRE Monsanto SAS	CENTRE DE RECHERCHE BOISSAY F-28310 TOURY
02665	NEW WORLD PLANTS LTD	CHURT ROAD CHURT NR FARNHAM GU10 2QS SURREY UNITED KINGDOM
02671	CADAMON SARL	75 AVENUE JOXE F-49100 ANGERS
02676	DEKKER NICOLAAS P.	JULIANAWEG 7 1711RP HENSBROEK NETHERLANDS
02679	MARUWA BV	LIMMERWEG 9A 1901 MR CASTRICUM NETHERLANDS
02681	CLAREMONT ORCHARDS 1988 PVT. LTD.	P.O. BOX 33 ZW – JULIASDALE
02693	KONSORTIUM SÜDTIROLER BAUMSCHULER GEN. M.B.H.	POST LAIMBURG I-39040 AUER/ORA
02701	NUNZA BV	POSTBUS 4005 6080 AA HAELEN NETHERLANDS
02710	TECHNISCHE UNIVERSITÄT MÜNCHEN	LEHRSTUHL FÜR OBSTBAU D-85350 FREISING-WEIHENSTEPHAN
02711	SCHIMMELPFENG H.	TU MÜNCHEN – LEHRSTUHL FÜR OBSTBAU D-85350 FREISING-WEIHENSTEPHAN
02712	LAUN N.	TU MÜNCHEN – LEHRSTUHL FÜR OBSTBAU D-85350 FREISING-WEIHENSTEPHAN

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02716	THE FOUR OAKS GROUP LTD.	FARM LANE – LOWER WITHINGTON MACCLESFIELD CHESHIRE SK11 9DU UNITED KINGDOM
02722	ETAVARD BRUNO Selection New Plant	DOMAINE DE SAINT ANDRE LE CANNET DES MAURES F-83340 LE LUC EN PROVENCE
02738	GAE RECHERCHE	41 RUE DE RIVIERE F-91720 MAISSE
02748	R. VAN GAALEN BV	NOORDHOORNSEWEG 37 2675GC DEN HOORN NETHERLANDS
02749	WITTEMAN & CO.	POSTBUS 40 2180AA HILLEGOM NETHERLANDS
02761	NICKERSON INTERNATIONAL RESEARCH GEIE c/o C.DUCHÊNE	5 RUE DE L'EGALITE F-28130 CHARTAINVILLIERS
02770	TERRE DE LIN Société Coopérative Agricole	F-76740 SAINT-PIERRE-LE-VIGER
02775	KWS SAAT AG	ABT. JUR – POSTFACH 1463 D-37555 EINBECK
02777	WOJO'S GREENHOUSE FARM	2570 OAKWOOD ROAD US-MI 48462 ORTONVILLE
02778	WOJCIECHOWSKI JOSEPH H.	2570 OAKWOOD ROAD US-MI 48462 ORTONVILLE
02791	VLETTER & DEN HAAN BEHEER BV	OEGSTGEESTERWEG 202A 2231 BP RIJNSBURG NETHERLANDS
02798	CNB	POSTBUS 31 2160AA LISSE NETHERLANDS
02803	KRAFFT MARIETTA POMMERSCHE SAATZUCHT GMBH	POSTFACH 13 08 31 D-20108 HAMBURG
02824	WEINANS HERMAN HENDRIK	HADMERSLEBENER STRASSE 9 D-39397 KROPPESTEDT
02825	VEEN V.D.	FOCHTERLÖERVEEN RR 8428 FECHTERLOO NETHERLANDS
02826	FLEUROPROTECT Mr. Marcel J. Bartels	PARALLEL BOULEVARD 214 D 2202 HT NOORDWIJK NETHERLANDS
02827	VOF SMIT & L. KONING	SLOCHTERSTRAAT 22 9611CP SAPPEMEER NETHERLANDS
02835	TIMBUK FARMS INC. Jack F.Schmidt Jr.	2030 TIMBUK ROAD US-43023 GRANVILLE (OHIO)
02836	REINER KEVIN M.	9148 JERSEY MILL ROAD US-43001 ALEXANDRIA (OHIO)

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02837	DODSWORTH MARY H.	1844 LUNDY S LANE US-43055 NEWARK (Ohio)
02838	ZUTT KLAUS Bejo Zaden BV	POSTBUS 50 1749ZH WARMENHUIZEN NETHERLANDS
02841	PLANTENCENTRUM ROUCOOP A. HENDRIKS	ROUWKOOPLAAN 24 2251 AP VOORSCHOTEN NETHERLANDS
02849	GARTNERIET PKM APS Madsen kristian	SLETTENSVEJ 207 DK-5270 ODENSE N.
02851	FGB BV Fides Goldstock Breeding	POSTBUS 26 2678 ZG DE LIER NETHERLANDS
02860	RESEARCH INSTITUTE OF ORNAMENTAL GARDENING	KVETNOVE NAMESTI 391 CZ-252 43 PRUHONICE
02866	AGROSA SEMILLAS SELECTAS SA	CAMINO DE CARITAS SIN E-19240 GUADALAJARA JADRAQUE
02867	ITAP SA Instituto Tecnico Agronomico Provincial	CARRETERA DE MADRID SIN. APDO 451 E-02080 ALBACETE
02871	KIEFT BLOEMZADEN BV Kieft Seeds Holland	ELBAWEG 35 1607 MN VENHUIZEN NETHERLANDS
02872	CHIRON ALAIN Seminis Research Station	MAS DE ROUZEL CHEMIN DES CANAUX F-30900 NIMES
02873	HARTWIG EHLERS UND SOHN GBR	MEDEMSTADE 46 A D-21775 IHLIENWORTH
02886	FLORMERA SNC DI ANDREA LAZZERI & CO	VIA S. MARIA DEL CONFORTO 21 I-39012 MERANO (BZ)
02889	MAL MORGAN	63 WILLS ROAD AU-MACQUARIE FIELDS NSW 2564
02890	MEINEL KATRIN	KÖNIGSBRÜCKER LANDSTRAAT 44 D-01109 DRESDEN
02894	COOP KWEKERSVERENIGING HORIZON	STROET 115 1744 GM SINT MAARTEN NETHERLANDS
02895	HORTI PARTNERS H.M. Tesselaar	ALTONSTRAAT 19 1704 CC HEERHUGOWAARD NETHERLANDS
02896	KUIPER M.W.	ALTONSTRAAT 19 1704 CC HEERHUGOWAARD NETHERLANDS
02902	MYLNEFIELD RESEARCH SERVICES LTD	INVERGOWRIE DUNDEE DD2 5DA UNITED KINGDOM
02903	OPRINS PLANT NV	SINT LENAARSTSESTEENWEG 91 B-2310 RIJKEVORSEL

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02907	ADVANTA SEEDS BV	P O BOX 1 4420 AA KAPELLE NETHERLANDS
02910	FLOREMA YOUNG PLANTS BV	POELWEG 40 1424 PB DE KWAKEL NETHERLANDS
02916	FA. KNAPENDIJK	MARIENDIJK 67 2675 SZ HONSELERSDIJK NETHERLANDS
02925	NATURAL SELECTIONS LTD	3RD FL. OMAR HODGE BUILDING WICKHAMS CAY 1 ROAD TOWN TORTOLA BRITISH VIRGIN ISLANDS UNITED KINGDOM
02927	HUGO DITTMAR	SCHAFNAUSTRASSE 9 DITTMAR SAMEN UND PFLANZEN CH-4543 DEITINGEN
02934	RUSSO VINCENZO	VIA TORRE 34 I-95036 RANDAZZO (CT)
02937	GENPLANT BV	LOOSTERWEG 33 2215 TM VOORHOUT NETHERLANDS
02951	HERDEGEN SUSANNE	POSTFACH 113 D-55454 GENSINGEN
02955	VAN DOESUM A.J.H. Interplant BV	BROEKWEG 5 3956NE LEERSUM NETHERLANDS
02961	LACEY DOMINIC Floranova Ltd	NORWICH ROAD FOXLEY DEREHAM NORFOLK NR20 4SS UNITED KINGDOM
02962	STRICKER FRANK	OOKMEERWEG 211 1068 AX AMSTERDAM NETHERLANDS
02963	VAN KLINGEREN JACQUELINE	OOKMEERWEG 211 1068 AX AMSTERDAM NETHERLANDS
02964	ISTITUTO REGIONALE PER LA FLORICULTURA	VIA CARDUCCI 12 I-18038 SANREMO (IM)
02971	PSENNER ANDREAS	MERANERSTRASSE 18 I-39100 BOLZANO (BZ)
02972	WERKGROEP HIBISCUS U A	DEN ADELZWET 5 1435 NL RIJSENHOUT NETHERLANDS
02975	HUMPHREYS MERVYN DR	PLAS GOGERRDDAN ABERYSTWYTH CEREDIGION SY23 3EB UNITED KINGDOM
02979	FLORANOVA LTD	NORWICH ROAD DEREHAM NORFOLK NR20 4SS UNITED KINGDOM

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02985	COMPAGNIA GENERALE SERVIZI SRL	VIA LE GRAZIE 10 A I-62019 RECANATI (MC)
02988	MONSANTO UK LTD The Maris Centre	45 HAUXTON ROAD TRUMPINGTON CAMBRIDGE CB2 2LQ UNITED KINGDOM
02989	HANDELSKWEKERIJ VERHEIJEN VOF	OOSTERMIDDENMEERWEG 31 1771RR WIERINGERWERF NETHERLANDS
03018	NÖ. SAATBAUGENOSSENSCHAFT	MEIRES 25 A-3841 WINDIGSTEIG
03022	GARTNERIET LINNEMANN APS	FAARUPVEJ 48 DK-8381 MUNDELSTRUP
03038	N.A.J. BERBEE BV	POSTBUS 6 2160 AA LISSE NETHERLANDS
03039	ADVANTA BELGIUM SES Europe NV/SA	SOLDATENPLEIN Z2 NR.15 B-3300 TIENEN
03048	BIRGIT HOFMANN Flora-Nova Pflanzen GmbH	GASSENWEG 29 D-56170 BENDORF
03052	TECHNIGERA SARL	23 BVD LOUIS DURAND – BP 15 F-77515 FAREMOUTIERS
03056	RICHON J.M.	26 ROUTE DE ST. IDEUC F-35400 SAINT MALO
03064	MAASFLEUR BV Cws Van der Kraan	BUITENWATERSLOOT 254 2613 SZ DELFT NETHERLANDS
03072	BREDE ANDREAS	AM WINKEL 4 D-59510 LIPPETAL
03075	PLANT RESEARCH INTERNATIONAL BV	DROEVENDAALSESTEEG 1 6708 PD WAGENINGEN NETHERLANDS
03079	VAN DEN BOS BREEDING BV	POSTBUS 15 2675 ZG HONSELERSDIJK NETHERLANDS
03083	BROKISH H. Ag Reliant Genetics LLC – Champaign Research	972 COUNTY ROAD 500 E US-IVESDALE IL 61851
03085	COURSON J. Ag Reliant Genetics LLC Kenyon Research Stat	602 HUSETH STREET US-KENYON MN 55946
03092	MITCHELL ROBINSON CHARLES	28 VARDON CRESCENT NZ – CHRISTCHURCH 6
03093	MITCHELL LORNA MILDRED	28 VARDON CRESCENT NZ – CHRISTCHURCH 6
03096	VPP CORPORATION Clinton H.Neagley	6701 SAN PABLO AVENUE US-94608 1239 OAKLAND (CA)

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03097	LLOYD WISE. TREGEAR & CO. Martin White	COMMONWEALTH HOUSE – 1-19 OXFORD STR. WC1A 1LW LONDON UNITED KINGDOM
03098	CRANDALL BETH	604 PALM AVENUE US-95076 WATSONVILLE (CA)
03099	KAMERMAN-BAARDSE A.N. Handelsonderneming Licro	NOORDDAMMERWEG 47 1424NW DE KWAKEL NETHERLANDS
03100	GROSSER JÖRG DR.	ZUCHTSTATION WETZE D-37154 NORTHEIM
03105	FA GEBR. TEN M KNIJN	DE LEET 39 1645VK URSEM NETHERLANDS
03106	BEEREPOOT C.	KERKBUUK 54 1608EN WIJDENES NETHERLANDS
03116	KLEMM NILS	HANFÄCKER 10 D-70378 STUTTGART
03120	DE ZONNEBLOEM BREEDING BV	KALSLAGERWEG 20 1424PM DE KWAKEL NETHERLANDS
03135	JØRN HANSSON	HOLMEVEJ 36 DK-5471 SONDERSO
03136	GRANT M.J. Greenvale AP PLC	SPRINGFIELD – BURRELTON – BLAIRGOWRIE PERTHSHIRE PH13 9JP UNITED KINGDOM
03138	ASGROW SEED COMPANY LLC	634 EAST LINCOLN WAY US-AMES IA 50010
03139	MONSANTO SAS Joël Roucolle	CROIX DE PARDIES F-40305 PEYREHORADE
03165	BOTZ PETER	KÖLNER PFAD 90 D-53347 ALFTER
03171	SMITH MARK A.	8606 BEACON STREET – FORT MYERS US-33907 FLORIDA
03185	PETIT PIGEARD M. ROLAND Sicasov	7 RUE COQ HERON F-75030 PARIS CEDEX 01
03198	SAATKARTOFFEL- HANDELGESELLSHAFT CAROLINENSIEL	GROSS CHARLOTTENGRODEN 13 D-26409 WITTMUND
03199	KWEKERIJ SIDACO BV	NIEUWKOOPSEWEG 45 2631PP NOOTDORP NETHERLANDS
03217	UCHNEAT MICHAEL Pan American Seeds Co.	1 S 865 GREEN ROAD US-ELBURN 60119 IL

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03250	DE JONG BEHEER BV	KERKEPAD 28 1619 AE ANDIJK NETHERLANDS
03265	OLDHAM MICHAEL EDWARD Streamways Nurseries	FORDA – GEORGEHAM – BRAUNTON DEVON EX33 1JQ UNITED KINGDOM
03266	OLDHAM MARY JENNIFER Streamways Nurseries	FORDA – GEORGEHAM – BRAUNTON DEVON EX33 1JQ UNITED KINGDOM
03267	BURROWS JOHN PRO-VEG SEEDS LTD	6 SHINGAY LANE – SAWSTON CAMBRIDGE CB2 4SS UNITED KINGDOM
03283	KWEKERSVERENIGING «FOREVER»	STROET 115 1744 GM SINT MAARTEN NETHERLANDS
03286	STOTT KEN	ALFOXTON SCHOOL RD WRINGTON NORTH SOMERSET UNITED KINGDOM
03287	PARFITT ROD	20 GRAITNEY CLOSE CLEEVE NORTH SOMERSET BS49 4NJ UNITED KINGDOM
03292	ANGUS SOFT FRUIT EAST SEATON FARM	ARBROATH DD11 5SD ANGUS UNITED KINGDOM
03293	GIYO INTERNATIONAL LTD EITAN ISRAELY	HAATSMAUT ST 8 POBOX 200 IL-42910 AVIHAIL
03304	R2N S.A.S. M. Daniel Segonds	AVENUE SAINT PIERRE SITE DE BOURRAN F-12033 RODEZ CEDEX 9
03305	J. VAN ZOEST BEHEER BV c/o VALKPLANT	VALKENBURGERLAAN 64 2771 DA BOSKOOP NETHERLANDS
03306	RICHON J. MME	26 ROUTE DE SAINT IDEUC F-35400 SAINT MALO
03307	SARL ADRIEN MOMONT & FILS	7 RUE DE MARTINVAL F-59246 MONS EN PEVELE
03315	BÖHM H.	Postfach 13 80 D-21303 LÜNEBURG
03317	IZSAK EVA GIYO INTERNATIONAL LTD	PO BOX 200 IL-42910 AVIHAIL
03320	LAMSE JAN JOHANES	OOSTZEEDIJK 6 4486 PN COLYNSPLAAT NETHERLANDS
03321	OREGON STATE UNIVERSITY	CORVALLIS US-97331 2410 OREGON
03323	MONSANTO SAS EUROPARC DU CHENE	I RUE JACQUES MONOD F-69673 BRON

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03325	SYNGENTA SEEDS BV	WESTEINDE 62 – P.O.BOX 2 1600AA ENKHUIZEN NETHERLANDS
03329	FREIHERR V.MOREAU SAATZUCHT GMBH	SCHAFHÖFEN 3 D-93099 MÖTZING
03330	IACR LONG ASHTON RESEARCH STATION DPT OF AGRICULTURAL SCIENCES	UNIVERSITY OF BRISTOL LONG ASHTON BRISTOL BS18 9AF UNITED KINGDOM
03332	CARTER MURRAY INGERTHORPE HALL FARM	MARKINGTON HARROGATE NORTH YORKSHIRE HG3 3PD UNITED KINGDOM
03339	FA G.&M. BROUWER	BURG LOVINKSTRAAT 80 1764 GH BREEZAND NETHERLANDS
03341	STROET TH.B.J.	WAGENAARSTRAAT 24 2671 TZ NAALDWIJK NETHERLANDS
03351	NIRO STEFANO SEMINIS VEGETABLE SEEDS	C.P. 110 I-04014 PONTINIA (LT)
03358	MCCAIN POTATOES	PUGESTON MONTROSE DD10 9LF ANGUS SCOTLAND UNITED KINGDOM
03360	TURCOTTE PIERRE MAPAQ (CEROM)	335 CHEMIN DES 25 EST CA-J3V 4P6 SAINT BRUNO DE MONTARVILLE QC
03361	JOHN TURNER SEED DEVELOPMENTS JOHN TURNER	22 CROMWELL ROAD ELY CAMBS CB6 1AS UNITED KINGDOM
03367	SPANTON CHRISTOPHER J. The Four Oaks Group	FARM LANE – LOWER WITHINGTON MACCLESFIELD CHESHIRE SK11 9DU UNITED KINGDOM
03371	LANDBOUWBUREAU WIERSUM BV	POSTBUS 8 9670AA WINSCHOTEN NETHERLANDS
03379	RICHTER EDELGARD Nordsaat Saatzeit GmbH	HAUPTSTRASSE 1 D-38895 BÖHNSHAUSEN
03384	S.A. V.JORION ET FILS	RUE DU VICINAL 19 B-7911 FRASNES-LES-BUISSENAL
03388	WALTER WOLFGANG	AN DER OSTSEE 18 D-18209 KLEIN BOLLHAGEN
03396	SCHULLER WALDEMAR NORDSAAT SAATZUCHTGESELLSCHAFT MBH	SAATZUCHT LANGENSTEIN HAUPSTR. 1 D-38895 BÖHNSHAUSEN
03412	EURALIS GENETIQUE	DOMAINE DE SANDREAU F-31700 MONDONVILLE
03413	VINCOURT PATRICK EURALIS GENETIQUE	DOMAINE DE SANDREAU F-31700 MONDONVILLE

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03418	SCHUCHMANN R.	POSTFACH 13 80 D-21303 LÜNEBURG
03423	FUTURE PLANTS LICENTIE BV	TURFSPOOR 53A 2165AW LISSERBROEK NETHERLANDS
03424	INSTITUTE OF GRASSLAND AND ENVIRONMENTAL RESE IGER	PLAS GOGERRDDAN ABERYSTWYTH CEREDIGION SY23 3EB UNITED KINGDOM
03425	ASGROW FRANCE SA	DOMAINE DE MERCIÉ F-82170 MONBEQUI
03426	MONSANTO SAS	DOMAINE DE MERCIÉ F-82170 MONBEQUI
03431	FIRMA ALFRED WEBER	WALDE 52 A-3932 KIRCHBERG
03436	LANBRUGETS KATOFFELFOND	GRINDSTEDVEJ 55 DK-7184 VANDEL
03439	SLOOTS RALPH HENDRIK	GREVELING 14 9654 PT ANNERVEENSCHKANAAL NETHERLANDS
03440	SYNDICAT DES PRODUCTEURS DE POMMES DE TERRE DE PONTIVY	36 RUE DU GENERAL DE GAULLE F-56300 PONTIVY
03447	LAS PALMAS INNOVATIONS BV René de Leeuw	HORNWEG 242 1432 GT AALSMEER NETHERLANDS
03450	JØRGENSEN JENS	HØJVANGSVEJ 12 DK-8471 SABRO
03451	JENSEN ERNST MØLLER	HØJVANGSVEJ 12 DK-8471 SABRO
03456	FLAKE B. DSV ZUCHTSTATION THÜLE	THÜLER STR. 30 D-33154 SALZKOTTEN
03475	KAMERMAN J.A. HANDELSONDERNEMING LICRO	AMPERESTRAAT 44 1433 KZ KUDELSTRAAT NETHERLANDS
03476	JONES DR.ELIZABETH Frank B.Dehn & Co.	179 QUEEN VICTORIA STR. LONDON EC4V 4EL UNITED KINGDOM
03477	G.J. VAN ZELDEREN BV	ACHTERWEG 54 1424PR DE KWAKEL NETHERLANDS
03480	DEBEUF ROLAND LIMAGRAIN GENETICS GRANDES CULTURES	B.P. 115 F-63203 RIOM CEDEX
03482	VAN KLAVEREN PLANT BV	HOOFDWEG 149 1424PE DE KWAKEL NETHERLANDS
03491	NUFLORA INTERNATIONAL PTY LTD THE UNIVERSITY OF SIDNEY	PMB 11 AU-NSW 2570 CAMDEN

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03493	FUKUKAEN NURSERY & BULB CO.LTD	9-20 MATSUBARA 2 CHOME JP-NAKA KU NAGOYA 460
03494	BEN DOR JOSEPH	IL-12105 YESOD HAMA'ALA
03510	MCDONALD DANIEL BEDE	26 RAVEL STREET AU-NSW 2147 SEVEN HILLS
03525	KP HOLLAND	LANGE BROEKWEG 84 2671DW NAALDWIJK NETHERLANDS
03529	LAURENS C.J.	VEERWEG 35 4471BJ WOLPHAARTSDIJK NETHERLANDS
03540	RAPS GBR SAATZUCHT LUNDSGAARD	LUNDSGAARD D-24977 GRUNDHOF
03541	DETERING JUTTA RAPS GBR SAATZUCHT L.	LUNDSGAARD D-24977 GRUNDHOF
03542	SNC ALRES	6 AVENUE DU CAPITAINE F-80270 AIRAINES
03546	EARL JEUNES PLANTS DE L'OCHSENFELD BRUCHLEN GILBERT	ZONE HORTICOLE DE CERNAY ROUTE D'ASPACH F-68700 CERNAY
03548	C. ESVELD VOF Valkplant Mrs. Ria van der Poel	VALKENBURGERLAAN 64 2771 DA BOSKOOP NETHERLANDS
03549	G & T RIJKAART VOF Valkplant Mrs. Ria van der Poel	VALKENBURGERLAAN 64 2771 DA BOSKOOP NETHERLANDS
03550	HIROSE Y.	3-20-14 YAMATE-CHO JP – IWAKUNI
03552	A.J.M. DE KONING BEHEER BV	DWARSKADE 7 2631 NA NOOTDORP NETHERLANDS
03555	BRITS GERT JOHANNES	28 FLAMINGO STREET ZA – STELLENBOSCH
03556	MONSANTO AGRICULTURA ESPAÑA SL	AVENIDA DE BURGOS 17 10º E-28036 MADRID
03560	YUGEN KAISHA NIHON NOUKEN	1087-1 ICHIGE HITACHINAKA-SHI JP-3120033 IBARAKI
03561	WASHI YOSHITAKA	1087-1 ICHIGE HITACHINAKA-SHI JP-312 0033 IBARAKI
03563	TEAK ENTREPRISES	P.O. BOX 160 AU-6271 CAPEL WESTERN AUSTRALIA
03566	ZACHARIAS ADVOKATBYRA AB	BOX 1144 S-18123 LIDINGO
03570	SYNGENTA SEEDS S.A.S.	12 CHEMIN DE L'HOBIT BP 27 F-31790 SAINT-SAUVEUR

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03571	SELECTIE & VERMEERDERINGGSBEDRIJF J. van Egmond & Zn BV	TRAPPENBERLAAN 14 2231 MV RIJNSBURG NETHERLANDS
03575	HOFMANN HANS	HAUPSTRASSE 36 D-91094 LANGENSENDELBACH
03584	RUTTEN W.A.M.	ZEVENHUIZEN 1 5595XE LEENDE NETHERLANDS
03585	LEONARD MARK The Flower Mill	9280 HORSESHOE BAR RD US-LOOMIS CA 95650
03588	DROVANDI WALTER	VIA NINO BIXIO 57 I-18015 RIVA LIGURE (IM)
03589	BONTEKOE PETER	DE OUDEWIJK 7 2771WT BOSKOOP NETHERLANDS
03590	ETERNAL PLANT BOYL BV	DWARSVAARTWEG 71 8392MT BOYL NETHERLANDS
03596	RON VAN OPSTAL HOLDING BV	ST.WILLEBRORDUSSTRAAT 3 4882NM ZUNDERT NETHERLANDS
03597	VAN WINSEN J.M.	WASBEEKLAAN 35 2361HG WARMOND NETHERLANDS
03598	HEM GENETICS BV	HEMMERBUURT 98 1607LC HEM NETHERLANDS
03601	LINKE GÜNTER	BAHNHOFSTRASSE 15 D-25474 BÖNNINGSTEDT
03602	SYNGENTA SEEDS AG	LICHTSTRASSE 35 CH-4002 BALE
03603	BOOMKWEKERIJ VAN OPSTAL BV	ST.WILLEBRORDUSSTRAAT 3 4882NM ZUNDERT NETHERLANDS
03606	OOSTVEEN GILBERTUS	KALSLAGERWEG 16 1424 PM DE KWAKEL NETHERLANDS
03607	INSPIRATION PLANT CV	POSTBUS 6 2160 AA LISSE NETHERLANDS
03608	KWEKERIJ KABBES	J. SJOERDLAAN 4 9262 SL SUAMEER NETHERLANDS
03609	BEN ZUR PLANT TISSUE CULTURE AND BIOTECHNOLOGY INDUST	TIRAT YEHUDA 8 IL-73175
03610	SCHEFFERS TH. H. A.	WILLEM VAN HOOFFSTRAAT 20 2671 JC NAALDWIJK NETHERLANDS

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03611	SEAR RON	SUMMERFILED NURSERY CT3 1LD STAPLE NR CANTERBURY KENT UNITED KINGDOM
03615	NEW WORLD PLANTS Ms Marlene MEYER Partner	27679 MOUNTAIN MEADOW ROAD US-CA 92026 ESCONDIDO
03616	BLACKTHORN NURSERY A.R. AND S.B. WHITE	KILMESTON ALRESFORD S024 ONL ALRESFORD HAMPSHIRE UNITED KINGDOM
03617	LOOMAN JOOST C/O Ria vanderpoel Valkplant	VALKENBURGERLAAN 64 2771 DA BOSKOOP NETHERLANDS
03618	VAN DER KRAAN M.F.T.	BUITENWATERSLOOT 254 2613 SL DELFT NETHERLANDS
03619	SIERHEESTERS BETE	REIGERLAAN 54 2771 TB BOSKOOP NETHERLANDS
03620	LIMEROCK PLANT FARM INC MARY ANN FARIA	48 HARRIS AVENUE RR#1 LINCOLN US-02865 RHODE ISLAND
03621	FUCHS EGON MARTIN-LUTHER UNIVERSITÄT HALLE WITTENBERG	EMIL-ABDERHALDEN-STR. 27 D-06099 HALLE/SAALE
03622	GRÜNTZIG MARIA MARTIN-LUTHER UNIVERSITÄT HALLE WITTENBERG	EMIL ABDERHALDENSTR 27 D-06099 HALLE SAALE
03623	HOFMANN BIRGIT	GASSENWEG 29 D-56170 BENDORF
03624	KARMELK W. FERDINANDUSHOF	RODE SLUISWEG 13 4575 NE OVERSLAG NETHERLANDS
03625	LEWIS H.P. FERDINANDUSHOF	RODE SLUISWEG 13 4575 NE OVERSLAG NETHERLANDS
03627	VAN DER HOORN A.C.J.	NIEUWVEENS JAAGPAD 54 2441 EK NIEUWVEEN NETHERLANDS
03628	UNISIGMA GIE CLAUDE GUILLEMAN	2 RUE PETIT SORRI F-60480 FROISSY
03631	BARNHOORN HIPPEASTRUM BREEDING BV	LEIDSEVAART 218 2211 WE NOORDWIJKERHOUT NETHERLANDS
03632	DAVINO LOUIS JR.	P.O. BOX 68 US-33920 ALVA FLORIDA
03633	NOUWS J.J.P.	PALMBOSSTRAAT 16 4882 NR ZUNDERT NETHERLANDS

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03634	V.O.F. VANDEWALL	DORPSTRAAT 140 6251 ND ECKELRADE NETHERLANDS
03635	CHRYSANTHEMUM RESEARCH BV	POSTBUS 370 1430 AJ AALSMEER NETHERLANDS
03636	WUHAN INSTITUTE OF BOTANY	MOSHAN CN-430074 HUBEI WUHAN CITY
03637	HONG WEN HUANG DR. Wuhan Institute of Botany	MOSHAN CN-430074 HUBEI WUHAN CITY
03638	KWEKERSVERENIGING COMPASS PLANTS GROUP	POSTBUS 236 2160AE LISSE NETHERLANDS
03639	WIM MOLS BV	BROEKZIJDE 14 5066PG MOERGESTEL NETHERLANDS
03640	WYEVALE CONTAINER PLANTS Wyevale Nurseries	KING'S ACRE HEREFORD HR4 7AY UNITED KINGDOM
03641	CAMBRIDGE WHEAT BREEDERS LTD	MARKET STAINTON MARKET RASEN LINCOLNSHIRE LN8 5LJ UNITED KINGDOM
03642	VIVAI GILARDELLI S.S. di Giordano e Nello Gilardelli	VIALE DELLE INDUSTRIE 21 I-20041 AGRATE BRIANZA (MI)
03644	WARD A.	689 STATE HIGHWAY 2 R.D.6 NZ-TE PUNA TAURANGA
03645	LAZZERI S.S.	VIA PIEDIMONTE 8 I-39012 MERANO (BZ)
03646	VAN ZANTEN SPECIALTIES	P/A POSTBUS 25 2180AA HILLEGOM NETHERLANDS
03649	LICENSE INSTITUTE NETHERLANDS	HOOGSTRAAT 35 4651XA STEENBERGEN NETHERLANDS
03650	HOFF PETRUS M.M.	HOOGSTRAAT 35 4651XA STEENBERGEN NETHERLANDS
03651	FLORELITE CHRYSANTHS BV	HOOGEWEG 12 2231MS RIJNSBURG NETHERLANDS
03652	SICA CENTREX	F-66440 TORREILLES
03657	NORTH CAROLINA STATE UNIVERSITY Office Vice Chanc. Research and Graduate Stud	CAMPUS BOX 7003 US-27695 RALEIGH NC
03658	WAKERLEY H.R. Reddie & Goose	16 THEOBALDS ROAD WC1X 8PL LONDON UNITED KINGDOM

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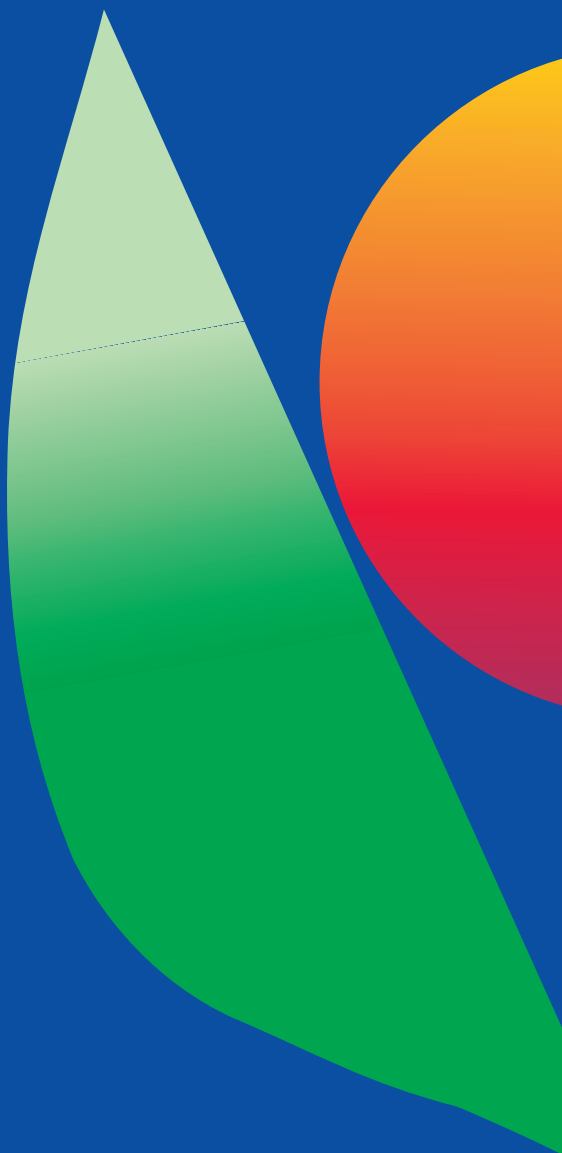
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