

# PLANT PATENTS

JANUARY 1, 1988 -- DECEMBER 31, 2012



March 2013  
U.S. PATENT AND TRADEMARK OFFICE  
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*A PATENT TECHNOLOGY MONITORING TEAM REPORT*

# Plant Patents Report 1/1/1988 - 12/31/2012 Explanation of Data

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for U.S. plant patents (hereafter referred to as patents) granted between **January 1, 1988** and **December 31, 2012**. The source of the data used for this report is the TAF database maintained by the U.S. Patent and Trademark Office.

## Data Distribution By Date of Grant and By Date of Application

### **Parts A1 and A2**

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2). Patent data in the "**Pre 1999**" column correspond to the period **prior to 1999**.

### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since **1988**. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 35% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a utility patent and the issuing of the patent (i.e., a patent's "pendency") is now about **32** months, the patented application data for the most recent years are incomplete.\* This is because the patents included in this report are limited to those **granted** during the specified time period. However, a significant number of the applications filed during the most recent years of this time period were still pending at the end of the period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the period displayed in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in years such as 1986 and 2005 when the PTO issued fewer patents than would normally have been expected due to administrative reasons. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

Patent data in the "**Pre 1999**" column correspond to the period **prior to 1999**.

### Parts of the Report

**Parts A1 and A2** present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of **patent origin is determined by the residence of the first-named inventor at the time of grant**.

**Patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in these categories. While U.S. Government patent ownership includes only patents granted to the Federal Government, no similar distinction is made for Foreign Government patents.

Note that for a patent, the country of origin may differ from the country of ownership. Therefore, **the sum of U.S. origin patents does not equal the sum of U.S. ownership category patents**.

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received 5 or more U.S. plant patents since **1988**. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

\* For example, in a report profiling utility patents granted through December 2012, patent grant data, as distributed by year of application, are approximately 95% complete for utility patent applications filed in 2004, 89% complete for applications filed in 2005, 80% complete for applications filed in 2006, 67% complete for applications filed in 2007, 49% complete for applications filed in 2008, 36% complete for applications filed in 2009, and 19% complete for applications filed in 2010; data are essentially complete for applications filed prior to 2004. About 90% of all patent documents granted by USPTO (i.e., including utility, design, plant, and reissue patents, statutory invention registrations, and defensive publications) are utility patent grants. Currently, completion percentages restricted to plant patents are not available.

## Part A1

Patent Grants As Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1988 - Dec 31, 2012) ----

----- NUMBER OF PATENTS -----  
 Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	4649	420	548	584	1133	994	1016	716	1149	1047	1240	1009	981	823	860	17169
U.S. Origin	2569	200	232	372	518	395	428	236	430	364	433	389	297	308	315	7486
Foreign Origin	2080	220	316	212	615	599	588	480	719	683	807	620	684	515	545	9683

NETHERLANDS	520	65	102	57	218	162	211	141	212	221	265	166	188	153	160	2841
GERMANY	508	53	70	22	145	166	100	80	98	131	176	137	160	112	122	2080
JAPAN	100	12	16	23	30	68	49	54	84	65	87	60	50	67	44	809
DENMARK	130	11	24	21	79	25	74	74	71	57	48	21	25	14	18	692
UNITED KINGDOM	166	16	35	9	35	42	41	37	68	49	43	45	47	23	36	692
FRANCE	250	10	9	4	26	13	8	11	23	26	38	29	48	14	28	537
AUSTRALIA	73	11	15	25	27	25	26	32	45	34	63	27	45	26	32	506
ISRAEL	86	6	3	14	8	18	15	3	38	23	19	26	15	22	32	328
BELGIUM	51	5	12	6	10	38	16	3	25	13	7	17	12	27	22	264
NEW ZEALAND	49	9	11	4	7	12	20	10	4	13	18	26	28	26	15	252
CANADA	56	6	10	7	5	5	1	3	5	8	10	14	3	6	5	144
COSTA RICA	27	2	1	9	5	4	10	10	19	7	5	6	3	2		110
ITALY	24	1	2		1	2	1			1	6	2	9	2	4	55
SPAIN	9	1	1	1		1	6	2	3		2	3	17	2	1	49
INDIA	2	1		1	12	7	4	3	5	8		3	1		1	48
SOUTH AFRICA	6	1		4	1	4	1	5	5	3	1	6	2	2	1	42
INDONESIA							2	1	1	2	6	14				26
TAIWAN	1							1	1			10	2	2	1	18
IRELAND	1						1		2			3	5	1	3	16
CZECH REPUBLIC								3	2	1	6		3	1		16
BRAZIL			2		1				1	5	3	1	1		1	15
COLOMBIA	4				1								3	7		15
ARGENTINA	2								1	2		1	6			12
SWITZERLAND	2				1	2				2	1	1	1		1	11
ESTONIA															11	11
GUERNSEY	3	4						1	1	1						10
KOREA, SOUTH		2	1	3	1						1				1	9
THAILAND					1	2			1		1	1	2	1		9
SWEDEN	4	1	1	1					1							8
RUSSIAN FEDERATION								4	2				2			8
CHINA, PEOPLE'S REPUB										1	1		1	3	1	7
CHILE							2	1		1			2			6
MEXICO		1	1		1					1			1			5
HUNGARY										4					1	5
AUSTRIA	2									3						5
HONDURAS	2					1		1								4
Others ( 12 )	2	2		1		2			1	1		1	2	2	4	18

## Ownership:

U.S. Corporations	2281	167	246	321	454	321	414	241	403	358	390	321	207	249	209	6582
U.S. Government	3	1			8		3	1	2			3	2	2	1	26
U.S. Individuals	813	65	48	89	118	102	72	60	89	66	123	97	78	77	103	2000
Foreign Corporations	1149	149	207	134	409	440	443	369	538	522	579	409	540	383	434	6705
Foreign Government	30	2	4	4	1	1			7	4	3	6	1	2	3	68
Foreign Individuals	373	36	43	36	143	130	84	45	110	97	145	173	153	110	110	1788

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1988 - Dec 31, 2012) ----

----- PERCENT OF PATENTS -----

Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	55	48	42	64	46	40	42	33	37	35	35	39	30	37	37	44
Foreign Origin	45	52	58	36	54	60	58	67	63	65	65	61	70	63	63	56
NETHERLANDS	11	15	19	10	19	16	21	20	18	21	21	16	19	19	19	17
GERMANY	11	13	13	4	13	17	10	11	9	13	14	14	16	14	14	12
JAPAN	2	3	3	4	3	7	5	8	7	6	7	6	5	8	5	5
DENMARK	3	3	4	4	7	3	7	10	6	5	4	2	3	2	2	4
UNITED KINGDOM	4	4	6	2	3	4	4	5	6	5	3	4	5	3	4	4
FRANCE	5	2	2	1	2	1	1	2	2	2	3	3	5	2	3	3
AUSTRALIA	2	3	3	4	2	3	3	4	4	3	5	3	5	3	4	3
ISRAEL	2	1	1	2	1	2	1		3	2	2	3	2	3	4	2
BELGIUM	1	1	2	1	1	4	2		2	1	1	2	1	3	3	2
NEW ZEALAND	1	2	2	1	1	1	2	1		1	1	3	3	3	2	1
CANADA	1	1	2	1		1				1	1	1		1	1	1
COSTA RICA	1			2			1	1	2	1		1				1
ITALY	1												1			0
SPAIN							1						2			0
INDIA					1	1				1						0
SOUTH AFRICA				1				1				1				0
INDONESIA												1				0
TAIWAN												1				0
IRELAND													1			0
CZECH REPUBLIC																0
BRAZIL																0
COLOMBIA														1		0
ARGENTINA													1			0
SWITZERLAND																0
ESTONIA															1	0
GUERNSEY		1														0
KOREA, SOUTH				1												0
THAILAND																0
SWEDEN																0
RUSSIAN FEDERATION								1								0
CHINA, PEOPLE'S REPUB																0
CHILE																0
MEXICO																0
HUNGARY																0
AUSTRIA																0
HONDURAS																0
Others ( 12 )																0

## Ownership:

U.S. Corporations	49	40	45	55	40	32	41	34	35	34	31	32	21	30	24	38
U.S. Government					1											0
U.S. Individuals	17	15	9	15	10	10	7	8	8	6	10	10	8	9	12	12
Foreign Corporations	25	35	38	23	36	44	44	52	47	50	47	41	55	47	50	39
Foreign Government	1		1	1					1			1				0
Foreign Individuals	8	9	8	6	13	13	8	6	10	9	12	17	16	13	13	10

## Part A2

### Patent Grants As Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1988 - Dec 31, 2012) ----

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 NUMBER OF PATENTED APPLICATIONS  
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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Total	5648	618	615	903	948	901	1114	1217	1018	905	1115	895	881	385	6	17169
U.S. Origin	3026	349	283	430	398	352	382	454	360	303	400	295	333	118	3	7486
Foreign Origin	2622	269	332	473	550	549	732	763	658	602	715	600	548	267	3	9683
NETHERLANDS	674	96	117	133	166	166	221	264	227	165	204	158	168	82		2841
GERMANY	634	31	50	112	161	83	117	127	138	150	151	138	127	61		2080
JAPAN	128	34	21	38	51	55	77	72	60	61	80	56	62	12	2	809
UNITED KINGDOM	221	7	27	34	36	51	35	76	42	28	51	31	34	19		692
DENMARK	166	43	23	40	28	86	109	51	44	39	10	27	15	11		692
FRANCE	270	6	22	12	4	25	19	22	27	22	39	35	25	9		537
AUSTRALIA	100	15	16	27	27	18	61	34	54	41	34	33	34	12		506
ISRAEL	96	13	17	7	12	5	18	33	18	9	36	24	17	23		328
BELGIUM	66	6	9	25	26	8	7	24	10	8	16	34	5	19	1	264
NEW ZEALAND	71	2	1	14	7	20	14	9	13	22	34	20	20	5		252
CANADA	72	6	4	7	3	3	8	3	5	11	9	4	8	1		144
COSTA RICA	30	5	8	2	8	3	26	12	2	6	4	3	1			110
ITALY	27		1	3				2	5	3	1	8	3	2		55
SPAIN	11	1		1	6	5				2	13	9	1			49
INDIA	5	1	8	9	7	4	3	7		1	2			1		48
SOUTH AFRICA	9	2	2	3	2	4	4	4	2	2	5	1	1	1		42
INDONESIA						1	3	2		20						26
TAIWAN	1						2		1	3	8	2	1			18
IRELAND	1					1		2		2	3	3	2	2		16
CZECH REPUBLIC						1	2	3	6			4				16
BRAZIL	2		1					5	2	1	2	1		1		15
COLOMBIA	4			1								4	6			15
ARGENTINA	2			1		2					6	1				12
SWITZERLAND	2		1	1	1	1		2		1		1		1		11
ESTONIA													8	3		11
GUERNSEY	7					3										10
KOREA, SOUTH	7									1			1			9
THAILAND			1	1	1		1			2	1	2				9
RUSSIAN FEDERATION					4		2				2					8
SWEDEN	6	1						1								8
CHINA, PEOPLE'S REPUB							1			1		1	3	1		7
CHILE						3		1			2					6
MEXICO	2			1			1		1							5
AUSTRIA	2							2	1							5
HUNGARY								4					1			5
HONDURAS	2			1		1										4
Others ( 12 )	4		3				1	1		1	2		5	1		18

## Ownership:

U.S. Corporations	2705	305	268	345	341	339	379	450	325	272	303	234	229	86	1	6582
U.S. Government	4	1	2	8		1	2				5	1	1	1		26
U.S. Individuals	938	81	71	110	82	71	84	87	83	86	102	68	114	22	1	2000
Foreign Corporations	1511	164	208	322	438	404	563	554	507	413	519	454	415	229	4	6705
Foreign Government	37	3		2		1	10	2		7	1	2	1	2		68
Foreign Individuals	453	64	66	116	87	85	76	124	103	127	185	136	121	45		1788

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1988 - Dec 31, 2012) ----

----- PERCENT OF PATENTED APPLICATIONS -----

Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	54	56	46	48	42	39	34	37	35	33	36	33	38	31	50	44
Foreign Origin	46	44	54	52	58	61	66	63	65	67	64	67	62	69	50	56

NETHERLANDS	12	16	19	15	18	18	20	22	22	18	18	18	19	21		17
GERMANY	11	5	8	12	17	9	11	10	14	17	14	15	14	16		12
JAPAN	2	6	3	4	5	6	7	6	6	7	7	6	7	3	33	5
UNITED KINGDOM	4	1	4	4	4	6	3	6	4	3	5	3	4	5		4
DENMARK	3	7	4	4	3	10	10	4	4	4	1	3	2	3		4
FRANCE	5	1	4	1		3	2	2	3	2	3	4	3	2		3
AUSTRALIA	2	2	3	3	3	2	5	3	5	5	3	4	4	3		3
ISRAEL	2	2	3	1	1	1	2	3	2	1	3	3	2	6		2
BELGIUM	1	1	1	3	3	1	1	2	1	1	1	4	1	5	17	2
NEW ZEALAND	1			2	1	2	1	1	1	2	3	2	2	1		1
CANADA	1	1	1	1			1			1	1		1			1
COSTA RICA	1	1	1		1		2	1		1						1
ITALY												1			1	0
SPAIN					1	1					1	1				0
INDIA			1	1	1			1								0
SOUTH AFRICA																0
INDONESIA									2							0
TAIWAN										1						0
IRELAND														1		0
CZECH REPUBLIC									1							0
BRAZIL																0
COLOMBIA													1			0
ARGENTINA											1					0
SWITZERLAND																0
ESTONIA													1	1		0
GUERNSEY																0
KOREA, SOUTH																0
THAILAND																0
RUSSIAN FEDERATION																0
SWEDEN																0
CHINA, PEOPLE'S REPUB																0
CHILE																0
MEXICO																0
AUSTRIA																0
HUNGARY																0
HONDURAS																0
Others ( 12 )													1			0

## Ownership:

U.S. Corporations	48	49	44	38	36	38	34	37	32	30	27	26	26	22	17	38
U.S. Government				1												0
U.S. Individuals	17	13	12	12	9	8	8	7	8	10	9	8	13	6	17	12
Foreign Corporations	27	27	34	36	46	45	51	46	50	46	47	51	47	59	67	39
Foreign Government	1						1			1				1		0
Foreign Individuals	8	10	11	13	9	9	7	10	10	14	17	15	14	12		10



Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
YODER BROTHERS, INC.																
Patents By Year of Grant:	349	22	14	77	87	41	42	19	53	71	46	39	1	0	0	861
Patents By Year of Application:	384	55	41	76	34	31	47	98	36	24	34	1	0	0	0	861
TERRA-NOVA NURSERIES, INC.																
Patents By Year of Grant:	4	2	12	9	30	12	12	12	33	22	32	14	13	36	52	295
Patents By Year of Application:	18	12	10	19	11	11	18	33	30	21	13	33	34	32	0	295
PAUL ECKE RANCH, INC.																
Patents By Year of Grant:	126	12	24	31	23	7	0	10	11	14	15	8	1	4	3	289
Patents By Year of Application:	163	32	4	17	7	0	13	13	18	8	7	1	3	3	0	289
BALL HORTICULTURAL COMPANY																
Patents By Year of Grant:	18	0	0	0	2	1	41	18	58	34	53	16	10	12	17	280
Patents By Year of Application:	18	1	1	1	3	54	45	49	32	26	12	14	10	14	0	280
BEAR CREEK GARDENS, INC.																
Patents By Year of Grant:	179	29	53	2	0	0	0	0	0	0	0	0	0	0	0	263
Patents By Year of Application:	251	12	0	0	0	0	0	0	0	0	0	0	0	0	0	263
SUNTORY FLOWERS LIMITED																
Patents By Year of Grant:	0	0	0	0	0	5	9	11	46	19	41	42	23	28	25	249
Patents By Year of Application:	0	0	0	0	13	15	28	27	27	25	50	20	39	3	2	249
FLORFIS AG																
Patents By Year of Grant:	69	6	3	7	57	18	15	9	25	11	13	0	0	0	0	233
Patents By Year of Application:	85	9	16	39	12	15	24	10	23	0	0	0	0	0	0	233
KLEMM + SOHN GMBH & CO. KG																
Patents By Year of Grant:	0	0	0	0	14	21	9	5	6	28	45	37	26	13	29	233
Patents By Year of Application:	0	0	0	21	15	3	13	3	62	20	30	25	20	21	0	233
GOLDSMITH SEEDS, INC.																
Patents By Year of Grant:	24	3	0	1	0	27	27	44	35	24	14	25	0	0	0	224
Patents By Year of Application:	28	0	0	0	9	44	52	34	21	11	25	0	0	0	0	224
POULSEN ROSER A/S																
Patents By Year of Grant:	10	5	19	2	2	3	45	55	38	25	14	0	1	0	5	224
Patents By Year of Application:	35	4	1	1	9	65	64	12	26	1	0	1	0	5	0	224
SYNGENTA SEEDS B.V.																
Patents By Year of Grant:	0	0	0	6	6	4	12	13	45	52	71	11	1	0	0	221
Patents By Year of Application:	0	2	5	5	4	20	24	55	79	20	7	0	0	0	0	221

---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
DANZIGER - "DAN" FLOWER FARM																
Patents By Year of Grant:	50	5	1	12	4	7	11	2	31	20	10	9	6	13	20	201
Patents By Year of Application:	57	11	2	6	10	4	13	27	17	8	7	10	11	18	0	201
SYNGENTA CROP PROTECTION AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	8	64	45	54	171
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	29	56	58	27	1	171
CHRYSANTHEMUM BREEDERS ASSOCIATION N.V.																
Patents By Year of Grant:	30	0	9	1	37	11	47	11	19	2	3	0	0	0	0	170
Patents By Year of Application:	41	4	34	8	36	5	34	7	1	0	0	0	0	0	0	170
OGLEVEE LTD.																
Patents By Year of Grant:	36	0	9	23	40	25	11	1	11	10	1	0	0	0	0	167
Patents By Year of Application:	45	6	49	20	20	4	2	20	1	0	0	0	0	0	0	167
CP (DELAWARE), INC.																
Patents By Year of Grant:	5	5	5	4	12	18	7	9	11	11	22	15	20	5	10	159
Patents By Year of Application:	15	5	9	14	8	14	13	10	12	16	20	11	10	2	0	159
CAPITOL GREEN INVESTMENTS LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	18	21	47	34	35	155
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	22	34	53	43	3	0	155
CONARD-PYLE COMPANY																
Patents By Year of Grant:	153	1	0	0	0	0	0	0	0	0	0	0	0	0	0	154
Patents By Year of Application:	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
BALL FLORAPLANT, A DIVISION OF BALL HORTICULTURAL CO.																
Patents By Year of Grant:	7	0	30	18	18	51	17	1	0	0	0	0	0	0	0	142
Patents By Year of Application:	23	32	1	19	67	0	0	0	0	0	0	0	0	0	0	142
CLEANGRO, LTD.																
Patents By Year of Grant:	32	11	23	2	1	5	12	15	23	4	7	0	2	0	0	137
Patents By Year of Application:	68	0	0	7	0	29	10	11	8	2	0	2	0	0	0	137
SAKATA SEED CORPORATION																
Patents By Year of Grant:	2	0	0	8	14	19	10	15	12	9	17	10	4	8	2	130
Patents By Year of Application:	2	14	8	12	9	6	18	16	5	11	17	6	5	1	0	130
WEEKS WHOLESALE ROSE GROWERS, INC.																
Patents By Year of Grant:	37	3	5	0	9	10	9	1	8	7	11	6	7	4	7	124
Patents By Year of Application:	45	1	6	12	6	6	6	7	8	7	7	6	6	1	0	124

Ranked List of Organizations with 5 or More Patents ----

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Ranked List of Organizations with 5 or More Patents ----

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
DUMMEN JUNGPFANZENKULTUREN																
Patents By Year of Grant:	25	6	17	1	18	0	0	0	0	0	0	0	0	0	0	67
Patents By Year of Application:	47	1	8	7	4	0	0	0	0	0	0	0	0	0	0	67
INNOVAPLANT GMBH & CO. KG																
Patents By Year of Grant:	2	1	1	3	1	13	0	1	4	16	5	5	5	1	9	67
Patents By Year of Application:	4	2	2	0	13	0	2	18	1	5	9	1	9	1	0	67
DEKKER BREEDING, B.V.																
Patents By Year of Grant:	0	0	0	0	3	0	2	3	6	19	5	11	2	10	5	66
Patents By Year of Application:	0	0	3	0	0	2	9	13	6	5	12	1	12	3	0	66
NUFLORA INTERNATIONAL PTY. LTD.																
Patents By Year of Grant:	0	0	0	0	9	12	13	13	7	1	7	1	1	0	1	65
Patents By Year of Application:	0	0	0	10	15	3	23	4	7	1	1	0	0	1	0	65
CALIFORNIA FLORIDA PLANT COMPANY L.P.																
Patents By Year of Grant:	49	0	0	6	0	0	8	0	0	0	0	0	0	0	0	63
Patents By Year of Application:	55	0	0	0	8	0	0	0	0	0	0	0	0	0	0	63
PIETERS PLANT PRODUCTION, BVBA																
Patents By Year of Grant:	0	0	0	0	0	30	10	0	13	9	1	0	0	0	0	63
Patents By Year of Application:	0	0	0	21	16	3	0	15	8	0	0	0	0	0	0	63
ESMERALDA BREEDING B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	13	6	5	6	12	5	7	3	4	61
Patents By Year of Application:	0	0	0	0	0	9	15	1	8	15	2	5	4	2	0	61
RUTGERS UNIVERSITY																
Patents By Year of Grant:	26	0	3	0	0	0	2	1	3	6	9	2	4	3	1	60
Patents By Year of Application:	29	0	0	0	2	3	0	2	13	3	6	1	1	0	0	60
SUNTORY LTD.																
Patents By Year of Grant:	28	10	4	6	0	10	0	0	0	0	0	0	0	0	0	58
Patents By Year of Application:	42	8	0	6	2	0	0	0	0	0	0	0	0	0	0	58
TWYFORD INTERNATIONAL, INC.																
Patents By Year of Grant:	29	1	0	0	8	6	5	2	1	3	0	0	0	0	0	55
Patents By Year of Application:	30	0	2	6	8	2	4	3	0	0	0	0	0	0	0	55
BURCHELL NURSERY, INC.																
Patents By Year of Grant:	1	1	0	2	10	12	9	4	6	2	0	0	1	2	4	54
Patents By Year of Application:	2	7	3	5	10	11	6	3	0	0	0	4	3	0	0	54



Ranked List of Organizations with 5 or More Patents ----

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
AMERINOVA PROPERTIES, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	16	7	3	1	0	30
Patents By Year of Application:	0	0	0	0	0	0	0	1	9	11	7	1	1	0	0	30
CHRYSANTHEMUM BREEDERS ASSOCIATION RESEARCH B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	7	5	1	15	30
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	9	5	2	14	0	0	30
FA. GEBR. VERWER																
Patents By Year of Grant:	10	0	9	2	7	1	0	0	0	0	0	0	0	0	0	29
Patents By Year of Application:	19	2	3	4	1	0	0	0	0	0	0	0	0	0	0	29
GEBR. KOLSTER B.V.																
Patents By Year of Grant:	0	0	0	0	5	18	4	1	1	0	0	0	0	0	0	29
Patents By Year of Application:	0	0	0	17	6	4	2	0	0	0	0	0	0	0	0	29
SUNSHINE FOLIAGE WORLD																
Patents By Year of Grant:	17	6	2	1	0	1	0	0	0	2	0	0	0	0	0	29
Patents By Year of Application:	25	1	0	0	1	0	0	2	0	0	0	0	0	0	0	29
BLOOMS OF BRESSINGHAM LTD.																
Patents By Year of Grant:	12	2	4	2	4	1	3	0	0	0	0	0	0	0	0	28
Patents By Year of Application:	19	2	1	2	1	3	0	0	0	0	0	0	0	0	0	28
CORNELL RESEARCH FOUNDATION INC.																
Patents By Year of Grant:	9	7	0	2	1	2	0	0	5	1	1	0	0	0	0	28
Patents By Year of Application:	18	1	0	4	0	0	2	2	1	0	0	0	0	0	0	28
GOLDSMITH PLANTS, INC.																
Patents By Year of Grant:	0	0	10	5	13	0	0	0	0	0	0	0	0	0	0	28
Patents By Year of Application:	12	5	2	9	0	0	0	0	0	0	0	0	0	0	0	28
KERRY'S BROMELIAD NURSERY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	10	18	0	0	0	28
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	28
UNIVERSITY OF MINNESOTA, THE REGENTS OF																
Patents By Year of Grant:	7	1	1	0	1	2	5	0	2	2	4	3	0	0	0	28
Patents By Year of Application:	9	0	4	5	0	0	1	2	3	3	1	0	0	0	0	28
BARTELS BREEDING B.V.																
Patents By Year of Grant:	0	0	1	4	5	0	0	0	7	1	0	0	0	3	6	27
Patents By Year of Application:	1	6	2	1	0	0	0	8	0	0	0	0	6	3	0	27

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
AGRIOM B.V.																
Patents By Year of Grant:	0	1	0	0	0	0	0	0	3	1	7	9	1	0	1	23
Patents By Year of Application:	1	0	0	0	0	0	0	4	7	0	9	1	0	1	0	23
SUNNY GRONNEGIDEN APS																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	3	4	1	7	4	3	0	23
Patents By Year of Application:	0	0	0	0	0	0	4	4	0	8	1	3	3	0	0	23
ETS. GUILLOU FRERES																
Patents By Year of Grant:	16	4	0	0	2	0	0	0	0	0	0	0	0	0	0	22
Patents By Year of Application:	20	2	0	0	0	0	0	0	0	0	0	0	0	0	0	22
GESSELLSCHAFTSVERTRAG UBER DIE ERFINDERGEMEINSCHAFT "OPTI																
Patents By Year of Grant:	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Patents By Year of Application:	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
GRUNEWALD VEREDLINGS B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	5	1	0	6	0	1	8	1	0	22
Patents By Year of Application:	0	0	0	0	0	6	0	3	3	0	7	3	0	0	0	22
MAK 'T ZAND B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	5	10	0	2	0	0	3	22
Patents By Year of Application:	0	0	0	0	0	0	7	10	0	0	2	0	3	0	0	22
UNIVERSITY OF ARKANSAS																
Patents By Year of Grant:	9	0	0	3	4	0	1	1	0	0	0	0	2	0	2	22
Patents By Year of Application:	9	4	3	0	1	0	1	0	0	0	2	0	2	0	0	22
BULLIS BROMELIADS, INC.																
Patents By Year of Grant:	0	0	0	3	1	0	0	0	0	0	0	1	3	1	12	21
Patents By Year of Application:	0	1	2	1	0	0	0	0	0	1	0	4	12	0	0	21
ELSNER PAC JUNGPFANZEN GBR																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	7	11	2	21
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	7	3	9	1	0	21
HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF AGRICULTURE																
Patents By Year of Grant:	11	1	3	3	1	1	0	0	1	0	0	0	0	0	0	21
Patents By Year of Application:	16	2	0	2	0	0	1	0	0	0	0	0	0	0	0	21
THE STATE OF ISRAEL - MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	0	0	0	1	7	10	21
Patents By Year of Application:	0	0	0	0	0	0	3	0	0	0	1	9	3	5	0	21

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
CORNELL UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	20
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	19	0	0	20
HORTICULTURE AND FOOD RESEARCH INSTITUTE OF NEW ZEALAND LIMITED																
Patents By Year of Grant:	1	0	5	0	0	7	2	0	0	2	2	0	1	0	0	20
Patents By Year of Application:	6	0	0	5	5	0	1	1	1	0	1	0	0	0	0	20
MILESTONE AGRICULTURE INC.																
Patents By Year of Grant:	14	1	0	4	1	0	0	0	0	0	0	0	0	0	0	20
Patents By Year of Application:	15	2	3	0	0	0	0	0	0	0	0	0	0	0	0	20
NEW ZEALAND INSTITUTE FOR PLANT AND FOOD RESEARCH, LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	6	7	4	20
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	8	6	3	2	0	20
PLANTAS DE NAVARRA S.A.																
Patents By Year of Grant:	7	1	0	0	0	1	5	1	3	0	0	1	0	0	1	20
Patents By Year of Application:	8	0	0	1	6	3	0	0	0	0	1	0	1	0	0	20
WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION																
Patents By Year of Grant:	8	0	1	1	0	0	1	3	0	2	0	1	1	1	1	20
Patents By Year of Application:	10	0	0	0	1	3	0	2	0	2	0	1	0	1	0	20
AGRICULTURE AND AGRI-FOOD CANADA																
Patents By Year of Grant:	1	0	3	0	0	0	0	1	1	4	3	5	0	1	0	19
Patents By Year of Application:	4	0	0	0	2	1	3	2	0	6	0	0	1	0	0	19
BECKENKAMP PLANTS B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	3	1	13	19
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	2	1	3	0	13	0	19
COMPASS PLANTS B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	8	4	1	3	0	19
Patents By Year of Application:	0	0	0	0	0	0	0	3	0	8	4	4	0	0	0	19
DELIFLOR ROYALTY B.V.																
Patents By Year of Grant:	0	0	0	0	0	4	7	2	2	3	0	0	0	1	0	19
Patents By Year of Application:	0	0	0	0	4	7	4	3	0	0	0	0	1	0	0	19
J. FRANK SCHMIDT & SON CO.																
Patents By Year of Grant:	12	0	0	0	0	1	0	0	1	0	0	0	1	2	2	19
Patents By Year of Application:	12	0	0	0	1	0	0	1	0	0	1	1	3	0	0	19

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
P. KOOIJ + ZONEN B.V.																
Patents By Year of Grant:	0	0	0	3	4	0	0	0	0	7	1	4	0	0	0	19
Patents By Year of Application:	0	7	0	0	0	0	0	7	1	0	4	0	0	0	0	19
SUN WORLD INTERNATIONAL, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	7	3	0	4	4	19
Patents By Year of Application:	0	0	0	0	0	0	0	0	7	2	2	3	5	0	0	19
TREE INTRODUCTIONS, INC.																
Patents By Year of Grant:	2	0	5	1	0	5	0	0	2	1	0	3	0	0	0	19
Patents By Year of Application:	7	1	0	4	1	0	2	1	3	0	0	0	0	0	0	19
ANTHURA B.V.																
Patents By Year of Grant:	0	0	0	1	2	0	4	0	2	0	1	4	0	0	4	18
Patents By Year of Application:	0	0	2	1	0	6	0	0	1	0	4	0	0	4	0	18
ERNST BENARY SAMENZUCHT GMBH																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	5	7	4	0	0	0	18
Patents By Year of Application:	0	0	0	0	0	0	1	4	3	8	2	0	0	0	0	18
KOLSTER BEHEER B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	4	10	3	0	18
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	14	0	3	0	0	18
ROSES FOREVER APS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	12	2	3	0	0	18
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	13	1	3	0	0	0	18
FLORANOVA LTD.																
Patents By Year of Grant:	0	0	0	0	0	7	0	1	0	0	0	4	5	0	0	17
Patents By Year of Application:	0	0	0	0	7	0	1	0	0	0	9	0	0	0	0	17
KENT'S BROMELIAD NURSERY, INC.																
Patents By Year of Grant:	8	0	4	1	4	0	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	12	1	2	2	0	0	0	0	0	0	0	0	0	0	0	17
KNAAP LICENTIES B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	4	3	5	0	1	17
Patents By Year of Application:	0	0	0	0	0	0	0	4	3	2	5	2	1	0	0	17
OMS INVESTMENTS, INC.																
Patents By Year of Grant:	7	1	3	1	1	0	0	0	0	0	3	0	1	0	0	17
Patents By Year of Application:	11	0	2	0	0	0	0	2	2	0	0	0	0	0	0	17

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
<b>DALINA APS</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	1	0	3	1	2	1	4	15
Patents By Year of Application:	0	0	0	0	0	0	4	0	0	4	0	2	1	4	0	15
<b>ECKE GERANIUMS LLC</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	4	7	3	0	15
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	9	4	1	0	0	15
<b>HORTECH, INC.</b>																
Patents By Year of Grant:	1	0	0	0	1	0	0	0	0	0	1	0	0	11	1	15
Patents By Year of Application:	1	0	0	2	0	0	0	0	0	0	0	0	11	1	0	15
<b>INTERNATIONAL PLANT BREEDING AG</b>																
Patents By Year of Grant:	11	0	0	0	0	4	0	0	0	0	0	0	0	0	0	15
Patents By Year of Application:	11	0	0	0	4	0	0	0	0	0	0	0	0	0	0	15
<b>JOSEPH + LUC PIETERS BVBA</b>																
Patents By Year of Grant:	0	0	0	0	0	3	2	1	1	0	0	0	0	2	6	15
Patents By Year of Application:	0	0	0	0	3	2	1	1	0	0	0	0	0	8	0	15
<b>MOZANT LLC</b>																
Patents By Year of Grant:	0	0	0	1	3	4	7	0	0	0	0	0	0	0	0	15
Patents By Year of Application:	0	1	3	8	3	0	0	0	0	0	0	0	0	0	0	15
<b>SUNNY BORDER NURSERIES, INC.</b>																
Patents By Year of Grant:	0	0	0	0	1	0	0	3	3	0	0	4	2	1	1	15
Patents By Year of Application:	0	1	0	0	0	0	6	0	0	2	2	2	1	0	1	15
<b>VLETTER &amp; DEN HAAN BEHEER B.V.</b>																
Patents By Year of Grant:	2	0	0	0	2	0	2	5	4	0	0	0	0	0	0	15
Patents By Year of Application:	2	6	2	0	0	5	0	0	0	0	0	0	0	0	0	15
<b>WILLI ENDISCH GBR</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	7	2	0	5	0	1	0	0	15
Patents By Year of Application:	0	0	0	0	0	0	8	1	0	5	0	1	0	0	0	15
<b>ADAMS COUNTY NURSERY, INC.</b>																
Patents By Year of Grant:	7	3	2	0	0	0	1	1	0	0	0	0	0	0	0	14
Patents By Year of Application:	12	0	0	0	0	1	1	0	0	0	0	0	0	0	0	14
<b>INTERNATIONAL PLANT MANAGEMENT, INC.</b>																
Patents By Year of Grant:	8	0	0	0	2	1	0	0	1	0	0	1	1	0	0	14
Patents By Year of Application:	8	0	2	1	0	0	1	0	0	0	2	0	0	0	0	14



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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
OGLESBY PLANT LABORATORIES, INC.																
Patents By Year of Grant:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Patents By Year of Application:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
SAATZUCHT QUEDLINBURG GMBH																
Patents By Year of Grant:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Patents By Year of Application:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
SYNGENTA PARTICIPATIONS AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	11	3	0	0	14
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	14
ADVANCED PLANT TECHNOLOGIES LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	11	1	0	0	0	0	13
Patents By Year of Application:	0	0	0	0	0	0	0	1	12	0	0	0	0	0	0	13
ASTERKLUBBEN																
Patents By Year of Grant:	6	0	0	0	4	0	2	0	0	0	0	1	0	0	0	13
Patents By Year of Application:	6	0	0	0	4	0	2	0	0	1	0	0	0	0	0	13
AUBURN UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	7	3	3	0	13
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	10	0	3	0	0	13
BLOOMZ LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	4	3	0	2	0	4	0	0	0	13
Patents By Year of Application:	0	0	0	0	0	4	3	2	0	2	2	0	0	0	0	13
ITO PACKING CO., INC.																
Patents By Year of Grant:	12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	13
Patents By Year of Application:	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	13
PARADISE SEED COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	5	1	3	2	2	0	0	0	13
Patents By Year of Application:	0	0	0	0	0	0	5	3	1	2	2	0	0	0	0	13
RESEARCH CORPORATION TECHNOLOGIES, INC.																
Patents By Year of Grant:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Patents By Year of Application:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
ROSEN TANTAU MATHIAS TANTAU NACHFOLGER																
Patents By Year of Grant:	0	0	0	1	2	2	1	1	3	2	0	1	0	0	0	13
Patents By Year of Application:	0	2	1	1	2	1	4	1	0	1	0	0	0	0	0	13

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
PLANT INTRODUCTIONS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	4	0	6	11
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	3	1	5	1	0	11
PURDUE RESEARCH FOUNDATION																
Patents By Year of Grant:	4	0	0	0	1	3	0	0	2	1	0	0	0	0	0	11
Patents By Year of Application:	5	0	0	3	0	0	2	1	0	0	0	0	0	0	0	11
STATE OF ISRAEL - MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT																
Patents By Year of Grant:	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
Patents By Year of Application:	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
SUN WORLD, INC.																
Patents By Year of Grant:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Patents By Year of Application:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
UNIVERSITY OF NEBRASKA, THE BOARD OF REGENTS OF																
Patents By Year of Grant:	3	0	3	0	0	1	0	0	0	0	0	4	0	0	0	11
Patents By Year of Application:	6	0	0	1	0	0	0	0	0	3	1	0	0	0	0	11
AGRICULTURAL RESEARCH & DEVELOPMENT LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	0	0	0	0	7	1	10
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	0	0	0	8	0	0	10
C.I. VALMAR S.A.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	7	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	4	6	0	0	10
CLAUS & TORSTEN KUHNE GBR																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	4	3	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	3	4	2	1	0	0	10
CLEARWATER NURSERY, INC.																
Patents By Year of Grant:	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
DELIFLOR CHRYSANTEN B.V.																
Patents By Year of Grant:	0	0	0	1	1	3	0	1	0	3	0	0	1	0	0	10
Patents By Year of Application:	0	1	1	1	2	0	1	3	0	0	0	1	0	0	0	10
GILBERG PERENNIAL FARMS, INC.																
Patents By Year of Grant:	0	3	1	2	0	4	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	10

---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
GROLINK PLANT COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	4	6	0	0	0	0	10
INSPIRATION PLANT CV																
Patents By Year of Grant:	0	0	0	0	0	0	8	1	0	1	0	0	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	9	0	1	0	0	0	0	0	0	0	10
KOPPE VEREDELING B.V.																
Patents By Year of Grant:	0	2	1	1	2	3	1	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	3	1	2	0	3	1	0	0	0	0	0	0	0	0	0	10
L. DAEHNFELDT A/S																
Patents By Year of Grant:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
SCHOENMAKERS TROPISCHE POTCULTURES VOF																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	6	4	0	0	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	10
TEXAS A AND M UNIVERSITY																
Patents By Year of Grant:	2	1	2	0	1	2	2	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	5	0	1	0	4	0	0	0	0	0	0	0	0	0	0	10
UNIVERSITY OF FLORIDA																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	4	1	0	0	0	10
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	4	1	0	0	0	0	10
UNIVERSITY OF SYDNEY PLANT BREEDING INSTITUTE, COBBITTY																
Patents By Year of Grant:	0	3	3	4	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	10
VERSASCAPES L.L.C.																
Patents By Year of Grant:	0	0	0	0	0	0	1	1	0	2	6	0	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	2	1	5	2	0	0	0	0	0	0	10
WITTEMAN + CO. `MULTIFLORA` B.V.																
Patents By Year of Grant:	0	0	0	2	7	1	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	0	0	3	6	1	0	0	0	0	0	0	0	0	0	0	10
WULFINGHOFF ALSTROEMERIA B.V.																
Patents By Year of Grant:	1	0	0	0	1	1	2	1	0	1	0	0	1	2	0	10
Patents By Year of Application:	1	0	0	1	4	0	0	1	0	0	1	0	2	0	0	10

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
INSTITUTE OF EXPERIMENTAL BOTANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	3	0	2	0	0	8
Patents By Year of Application:	0	0	0	0	0	1	2	0	3	0	0	2	0	0	0	8
K. SAHIN ZADEN B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	5	2	0	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	5	0	2	0	0	8
LOUISIANA STATE UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	1	2	0	0	1	2	2	0	0	0	8
Patents By Year of Application:	0	0	0	1	2	0	1	0	2	2	0	0	0	0	0	8
NEW PLANTS																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
PLANTS NOUVEAU A DIVISION OF TREADWELL PALMER INTERNATIONAL, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	8
PRIDE OF PLACE PLANTS, INC.																
Patents By Year of Grant:	0	2	0	0	2	0	3	1	0	0	0	0	0	0	0	8
Patents By Year of Application:	3	0	1	1	3	0	0	0	0	0	0	0	0	0	0	8
RAMM BOTANICALS HOLDINGS PTY. LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	3	2	0	0	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	0	4	1	0	0	0	8
SAKATA ORNAMENTALS EUROPE A/S																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	1	2	0	2	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	3	1	2	2	0	0	8
SUNNY OSTEOSPERMUM APS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	5	3	0	0	0	0	0	8
Patents By Year of Application:	0	0	0	0	0	0	3	5	0	0	0	0	0	0	0	8
UNIVERSITY OF TENNESSEE RESEARCH CORPORATION																
Patents By Year of Grant:	5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	8
AB BREEDING																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	5	0	0	2	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	5	0	0	2	0	0	0	0	7



---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
AMAZING BREEDERS COMPANY B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	5	0	2	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0	7
BOOT & CO. BOONKWEKERIJEN B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	7
DAI-ICHI SEED CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	2	0	0	0	2	2	7
Patents By Year of Application:	0	0	0	0	0	0	1	0	2	0	0	0	2	2	0	7
DEROOSE PLANTS BVBA																
Patents By Year of Grant:	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
FLORETA PTY. LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	2	3	1	0	1	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	5	1	0	1	0	0	0	0	0	7
GARTNERIET HJORTEBJERG I/S																
Patents By Year of Grant:	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
GREENLEAF NURSERY COMPANY																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	2	2	0	0	7
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	2	0	2	0	0	0	7
GROOT ASSOCIATES II																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
HAMER BLOEMZADEN B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
HBA																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	7
KUHN JUNGPFANZEN GBR CLAUD + TORSTEN KUHN																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	7

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Ranked List of Organizations with 5 or More Patents ----

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
UNIVERSITY OF CONNECTICUT																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	1	0	0	0	0	1	7
Patents By Year of Application:	5	0	0	0	0	0	0	1	0	0	0	0	1	0	0	7
AGROPLANT-SELECT BV																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
ATHENA MUDAS, LTDA																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	1	1	0	1	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	3	1	1	0	0	1	0	0	6
C.I.V. CONSORZIO ITALIANO VIVAISTI																
Patents By Year of Grant:	1	0	2	0	0	1	0	0	0	0	2	0	0	0	0	6
Patents By Year of Application:	3	0	0	1	0	0	0	0	1	1	0	0	0	0	0	6
CARLTON ROSE NURSERIES, INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
CO-OPERATIVE ROSE GROWERS, INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
ESTABLISSEMENTS BARBERAT ET BLANC, LABORATOIRE DE PHYSIOLOGI																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
FLORENSIS HAMER CS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	6
GEBR. MAN C.V.																
Patents By Year of Grant:	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
KOALA BLOOMS PTY. LTD.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
KONING SMIT HOLDING N.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	1	0	1	3	0	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	0	4	0	0	0	0	6



Ranked List of Organizations with 5 or More Patents ----

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## ---- Organizational Patenting

(Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
BODEGAS Y VINEDOS NICOLAS CATENA SA																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
CHAS. KLEHM & SON																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
DE ZONNEBLOEM BREEDING B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	5
DELEON'S BROMELIAD WORLD, INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
DENHOLM SEEDS, INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
DITOPLANT EXPORT B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	5
ETABLISSEMENTS BARBERET ET BLANC																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
FLOWERWOOD NURSERY INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
GARTNERIET RAAHOJ																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
GARTNERIET ROSBORG BELLINGE A/S																
Patents By Year of Grant:	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
GARTNERIET TVILLINGE GAARDEN A/S																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0	5

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

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---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
POTHOS PLANT B.V.																
Patents By Year of Grant:	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
REDLANDS NURSERY PTY. LTD.																
Patents By Year of Grant:	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
ROBRICK NURSERY, INC.																
Patents By Year of Grant:	0	0	1	0	0	0	2	0	0	1	0	1	0	0	0	5
Patents By Year of Application:	1	0	0	0	0	2	0	1	0	0	1	0	0	0	0	5
ROYAL SLUIS B.V.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SCOTTISH CROP RESEARCH INSTITUTE																
Patents By Year of Grant:	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
UNIVERSITY OF HAWAII																
Patents By Year of Grant:	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5
UNIVERSITY OF MARYLAND																
Patents By Year of Grant:	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	5
Patents By Year of Application:	2	0	0	1	0	1	0	0	1	0	0	0	0	0	0	5
WIESMOOR-GARTNEREI UND BAUMSCHULE GMBH																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
WILLY'S GREENHOUSE LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	3	0	1	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	3	0	1	0	0	5
YOVAL AGRICULTURAL PRODUCTS LTD.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ZESPRI GROUP LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	5
Other Organizations (758)																
Patents By Year of Grant:	386	37	38	39	92	54	61	53	61	63	68	65	92	67	61	1237
Patents By Year of Application:	470	49	45	57	62	61	71	68	47	73	70	76	61	27	0	1237