



United States Department of Agriculture

Research, Education, and Economics  
Agricultural Research Service

August 1, 2017

Dear Requestor:

Enclosed is a copy of our apple or tart-cherry catalog and a disclaimer stating some of our conditions. This catalog contains a very diverse list of accessions including wild species, interspecific hybrids, heirloom cultivars, other rare cultivars and commonly available commercial cultivars. We are now suggesting that unless a request for scions (graft wood) of common commercially-available cultivars is for research purposes, we ask that you obtain that material from a commercial source. If you are not sure, there are websites that list availability such as: <http://www.goodfruit.com/buyers>. A general search for cultivar sources on Google can also be done. There is one excellent source that we use here when the question of commercial availability comes to us. This is an excellent book **Fruit, Berry and Nut Inventory, Fourth edition**: An Inventory of Nursery Catalogs Listing All Fruit, Berry and Nut Varieties by Kent Whealy. It lists many nurseries that carry not only common commercial material but also heirloom and rare cultivars published by <http://www.seedsavers.org/>. If accessions are not available through commercial sources, we can provide scions/cuttings.

**When selecting your order, the following conditions apply:**

1. **Orders for dormant scions (limit 25) must be received by January 10th in order to ship by March 20.**
2. **Orders for summer bud wood (limit 25) must be received by July 15th in order to ship by August 20.**
3. **Orders for pollen, seed, fruit and other plant tissues may also be requested.**
4. **Original apple seed from Kazakhstan is reserved for use by scientists doing genetic research. However we can supply open-pollinated seed from our grow-outs which are a blend of all genes from many sites in Kazakhstan. Deadline for ordering is January 10<sup>th</sup>. If you have any questions, please contact us.**

Thank you for your interest in our program.

Sincerely,

**Dr. C.Thomas Chao**  
**Horticulturist/Curator for Apple and Tart Cherry**

North Atlantic Area • Plant Genetic Resources Unit  
630 West North St., Geneva, New York 14456  
Voice: 315-787-2454 • FAX: 315-787-2339 • E-mail: [c.thomas.chao@ars.usda.gov](mailto:c.thomas.chao@ars.usda.gov)  
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## DISCLAIMER

The Plant Genetic Resources Unit (PGRU) at Geneva, New York is responsible for the acquisition, maintenance, evaluation, characterization and distribution of apple, cold-hardy grape and tart cherry germplasm. This wide array of genetic diversity is available **without charge** (unless there are special shipping requirements) to any *bona fide* plant scientist or plant propagator. Because of operational constraints, only limited quantities of each accession can be distributed.

Unless stated, the disease status (including viral, bacterial and fungal) of the enclosed material has not been determined. All distributed germplasm is subject to local, state, national and/or international quarantine regulations.

The authenticity of the identity of the requested accession(s) has been determined by the best presently available methods; however, determinations are not guaranteed. **The PGRU at Geneva assumes no responsibility for the plants and/or propagules shipped.** Questions, comments and suggestions should be directed to:

USDA, ARS Plant Genetic Resources Unit  
630 West North Street  
Geneva, New York 14456-0462  
United States

Dr. C.Thomas Chao  
Horticulturist/Curator for Apple, Grape and Tart Cherry



**PLEASE NOTE:**

**All foreign orders must include an Import Permit, where appropriate. Please check with your Country's Plant Inspection and Quarantine Center. A copy of the Import Permit or Letter of Authority, translated into English, must be enclosed with the request. We cannot certify that our plants are Disease and/or pest free. Your permit must grant you a Research Exemption from this requirement.**

**Order Form for Apple, Grape and Tart Cherry**  
**Deadlines: Vitis- Nov. 15<sup>th</sup> Malus/Prunus- Jan. 10<sup>th</sup>**

Name:		
Organization:		
Address:		
City:	State:	Zip Code:
Phone Number:		
Email:		
Comments:		
	PI or GMAL/GPRU/GVIT #	Variety Name
1		
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Dr. C.Thomas Chao  
Horticulturist/Curator for Apple, Grape and Tart Cherry  
USDA/ARS Plant Genetic Resources Unit  
630 West North Street, Geneva, New York 14456  
Fax: 315-787-2339



National Germplasm  
Repository  
for  
Apple, Grape and Tart Cherry

USDA, ARS  
Plant Genetic Resources Unit  
630 West North Street  
Geneva, New York 14456-0462

*Malus* Catalog  
2017-2018 Distribution Year

**National Germplasm Repository for  
Apple, Grape and Tart Cherry  
USDA, ARS Plant Genetic Resources Unit  
630 West North Street  
Geneva, New York 14456-0462**

Key for the Geneva *Malus* Catalog  
for the **2017-2018** distribution year.

Inventory

PI refers to the Plant Introduction number assigned to an accession. A GMAL number is a local number assigned to an accession which has no PI number.

Form(s)  
Available

<b>BD</b>	Bud
<b>SC</b>	Scion

**Please send requests for plant material and/or information to:**

**Dr. C.Thomas Chao  
Horticulturist/Curator for Apple, Grape and Tart Cherry  
USDA, ARS  
Plant Genetic Resources Unit  
630 West North Street  
Geneva, New York, 14456-0462**

# Malus Catalog 2017-2018

Species	Subsp		
<b>angustifolia</b>			
Ivp	Ivno	Plant Id	Country
PI	589769		United States
Ivp	Ivno	Plant Id	Country
PI	589772		United States
PI	589767		United States
PI	613881		United States
PI	613884		United States
PI	613880		United States
PI	613882		United States
PI	589773		United States
PI	589771		United States
PI	589770		United States
PI	589761		United States
PI	589727		United States
PI	613879		United States
PI	589763		United States
PI	589764		United States
PI	589765		United States
PI	589766		United States
PI	590175	<b>Prince George</b>	UNKNOWN
<b>asiatica</b>			
Ivp	Ivno	Plant Id	Country
PI	594099		China
PI	594107		China
Ivp	Ivno	Plant Id	Country
PI	589878		China
PI	589870		United States
PI	589873		United States
PI	613821		Korea
PI	589874		China
PI	589875		China
PI	589876		China
PI	589877		China
PI	589869		United States

Species	Subsp		
PI	613835		China
PI	613922		China
PI	613921		China
PI	619162	<b>M. asiatica 'Rinki'</b>	Japan
<b>baccata</b>			
Ivp	Ivno	Plant Id	Country
PI	613841		China
Ivp	Ivno	Plant Id	Country
PI	590031		China
PI	613809		Korea
PI	613810		Korea
PI	613843		China
PI	589860		UNKNOWN
PI	613842		China
PI	590109		China
PI	589375		UNKNOWN
PI	590110		China
PI	392301		China
PI	613844		China
PI	613877		UNKNOWN
PI	613929		China
PI	590057		China
PI	590056		China
PI	590055		China
PI	588771		UNKNOWN
PI	590054		China
PI	590053		China
PI	590052		China
PI	286599		China
PI	589738	<b>(hybrid #28)</b>	UNKNOWN
PI	589371	<b>Aurantiaca</b>	UNKNOWN
PI	613808	<b>Borkh.</b>	Korea
PI	613807	<b>Borkh.</b>	Korea
PI	589374	<b>Cerasiformis</b>	UNKNOWN
PI	589019	<b>Columnaris</b>	United States
PI	588996	<b>Costata</b>	UNKNOWN



Species	Subsp		
PI	437055	<b>Flexilis</b>	United Kingdom
PI	589376	<b>Fructo-flavo</b>	UNKNOWN
PI	483259	<b>Genvina</b>	United Kingdom
PI	589831	<b>Hansen's #1</b>	Former Soviet Union
PI	589838	<b>Hansen's #2</b>	Former Soviet Union
PI	589839	<b>Hansen's #3</b>	Former Soviet Union
PI	588907	<b>Himalaica</b>	China
PI	594110	<b>Jackii</b>	Korea
PI	588765	<b>Korea Wild Apple</b>	Korea
PI	215796	<b>Lady Ilgen</b>	Germany
PI	588989	<b>Manchurian</b>	China
PI	589353	<b>Mandshurica 6114</b>	Canada
PI	588874	<b>Nertchinsk</b>	UNKNOWN
PI	588960	<b>Rockii</b>	China
PI	589477	<b>Rosthern</b>	Canada
PI	588903	<b>Siberian Crab</b>	UNKNOWN
PI	148421	<b>Siberian Crab</b>	China
lvp	lvno	Plant Id	Country
PI	322713	<b>Mandshurica 2330</b>	Former Soviet Union
<b>bhutanica</b>			
lvp	lvno	Plant Id	Country
PI	590062		UNKNOWN
PI	589393		United Kingdom
GMAL	4605	<b>CH01-11</b>	China
GMAL	4606	<b>CH01-12</b>	China
GMAL	4607	<b>CH01-13</b>	China
GMAL	4608	<b>CH01-18</b>	China
PI	633808	<b>CH97 03-02</b>	China
GMAL	4371	<b>CH97 03-03</b>	China
GMAL	4372	<b>CH97 03-04</b>	China
GMAL	4374	<b>CH97 03-06</b>	China
GMAL	4386	<b>CH97 03-19</b>	China
GMAL	4390	<b>CH97 03-23</b>	China
GMAL	4391	<b>CH97 04-02</b>	China
GMAL	4392	<b>CH97 04-04</b>	China
GMAL	4393	<b>CH97 04-05</b>	China

Species	Subsp		
GMAL	4394	CH97 04-06	China
GMAL	4395	CH97 04-07	China
PI	633811	CH97 04-08	China
GMAL	4397	CH97 04-09	China
GMAL	4399	CH97 04-11	China
GMAL	4400	CH97 04-12	China
PI	588945	Cutleaf Crab	UNKNOWN
PI	588906	Macrocarpa	United States
PI	588930	Macrocarpa	UNKNOWN
<b>brevipes</b>			
Ivp	Ivno	Plant Id	Country
PI	589170		UNKNOWN
PI	633837		Former Soviet Union
<b>coronaria</b>			
Ivp	Ivno	Plant Id	Country
PI	588929		United States
PI	589990		United States
PI	589982		Canada
PI	589996		United States
PI	589991		United States
PI	613891		Canada
Ivp	Ivno	Plant Id	Country
PI	589332		United States
PI	590014		United States
PI	613907		United States
PI	613905		United States
PI	613885		United States
PI	589423		United States
PI	613890		United States
PI	589987		United States
PI	590018		United States
PI	590019		United States
PI	590020		United States
PI	590021		United States
PI	590000		United States
PI	589993		United States

Species	Subsp		
PI	589992		United States
PI	589989		United States
PI	589988		United States
PI	589984		United States
PI	589983		Canada
PI	589977		Canada
PI	589976		Canada
PI	589739		UNKNOWN
PI	613826		United States
PI	589728		United States
PI	589740		UNKNOWN
PI	589768		United States
PI	588966	<b>Bracteata</b>	United States
PI	589344	<b>Charlottae</b>	United States
PI	589425	<b>Dasyealyx</b>	United States
PI	589014	<b>Elonga</b>	United States
PI	589162	<b>Glabrata</b>	United States
PI	589227	<b>Glancescens</b>	United States
PI	589219	<b>Kola</b>	United States
PI	589005	<b>Matthews</b>	United States
PI	588927	<b>Wynema</b>	United States
<b>domestica</b>			
Ivp	Ivno	Plant Id	Country
PI	589121	<b>Bedford Red</b>	United States
PI	392307	<b>Finson's Orange</b>	Australia
PI	589891	<b>Geneva Black</b>	UNKNOWN
PI	588836	<b>Gloster 69</b>	Germany
PI	589135	<b>Golden Noble</b>	United Kingdom
PI	589446	<b>Idajon</b>	United States
PI	262964	<b>Malabols</b>	Latvia
PI	613938	<b>Malt Bagaevskii</b>	Russian Federation
PI	162505	<b>Messire Jacques</b>	France
PI	244724	<b>Mingan</b>	Spain
PI	154165	<b>Mitshurins Samenloser</b>	Unknown
PI	681642	<b>Rainha</b>	Brazil
PI	188606	<b>Reinette d'Armorique</b>	France

Species	Subsp		
PI	132830	<b>Reneta Woskowa</b>	Poland
PI	589845	<b>Smith Jonathan</b>	United States
PI	589346	<b>Stahls Prinz</b>	UNKNOWN
PI	589114	<b>Steacy</b>	United States
PI	589652	<b>Vilberie</b>	United Kingdom
PI	589133	<b>Williams</b>	United States
Ivp	Ivno	Plant Id	Country
PI	589859		UNKNOWN
PI	483263	<b>10/12/B</b>	Israel
PI	644151	<b>1-159</b>	Nepal
PI	644155	<b>13-86</b>	Australia
PI	483261	<b>3/11/B</b>	Israel
PI	644157	<b>35-155 (Earlidel)</b>	Australia
PI	483265	<b>504/1/A</b>	Israel
PI	374265	<b>57-56-92</b>	Romania
PI	483262	<b>7/11/B</b>	Israel
PI	134819	<b>Aargauer Jubilaums</b>	Switzerland
PI	206542	<b>Abbondanza</b>	Italy
PI	325531	<b>Acme</b>	United Kingdom
PI	132758	<b>Adersleber Kalvill</b>	Germany
PI	437061	<b>Aivania</b>	Bulgaria
PI	255899	<b>Akane</b>	Japan
PI	104776	<b>Akero</b>	Sweden
PI	588958	<b>Akin</b>	United States
PI	264687	<b>Alamaka</b>	Macedonia
PI	589107	<b>Alexander</b>	Ukraine
PI	247442	<b>Alfa 68</b>	Sweden
PI	344547	<b>Alkmene</b>	Unknown
PI	588865	<b>Alnarp 2</b>	Sweden
PI	589327	<b>Alpha 68A</b>	Sweden
PI	589328	<b>Alpha 68B</b>	Sweden
PI	589540	<b>Alpinist</b>	Former Soviet Union
PI	589483	<b>Altaiski Sweet</b>	Former Soviet Union
PI	589138	<b>Alton</b>	United States
PI	199525	<b>Amanishiki</b>	Japan
PI	320870	<b>Amasya #2</b>	Turkey

Species	Subsp		
PI	320871	<b>Amasya #3</b>	Turkey
PI	320872	<b>Amasya #4</b>	Turkey
PI	320873	<b>Amasya #5</b>	Turkey
PI	316482	<b>Amelia</b>	Brazil
PI	127311	<b>Amere de Berthecourt</b>	France
PI	173978	<b>American Forestier</b>	France
PI	589214	<b>American Summer Pearmain</b>	United States
PI	613827	<b>Amri</b>	Pakistan
PI	589541	<b>Amur Naliv</b>	Former Soviet Union
PI	136243	<b>Amzr Gauthier</b>	France
PI	280008	<b>Ananas Reinette x James Grieve</b>	Yugoslavia
PI	588802	<b>Anaros</b>	Canada
PI	589487	<b>Anis Aliy K-32</b>	Former Soviet Union
PI	280400	<b>Anna</b>	Israel
PI	589046	<b>Annie Elizabeth</b>	United Kingdom
PI	589883	<b>Anoka</b>	United States
PI	107196	<b>Antonovka 1.5 pounds</b>	Former Soviet Union
PI	589956	<b>Antonovka 172670-B</b>	UNKNOWN
PI	589335	<b>Antonovka Debnicka</b>	UNKNOWN
PI	588995	<b>Antonovka Kamenichka</b>	Ukraine
PI	295282	<b>Antonovka Mitchurin</b>	Finland
PI	589837	<b>Antonovka Monasir</b>	UNKNOWN
PI	590149	<b>Antonovka Ottawa</b>	UNKNOWN
PI	589329	<b>Antonovka Polutorafuntovaya</b>	Former Soviet Union
PI	588789	<b>Antonovka Shafran</b>	Former Soviet Union
PI	588800	<b>Antonovka Zheltaia</b>	UNKNOWN
PI	125223	<b>Apfel aus Grunheide</b>	UNKNOWN
PI	392293	<b>AR 86-1-6</b>	UNKNOWN
PI	259446	<b>Arkad Zimnyi</b>	Poland
PI	588952	<b>Arkansas</b>	United States
PI	589117	<b>Arkansas Black</b>	United States
PI	589443	<b>Arlet</b>	Switzerland
PI	589352	<b>Aroma</b>	Canada
PI	437036	<b>Aromat de Vara</b>	Romania
PI	589686	<b>Arthur Turner</b>	United Kingdom
PI	589654	<b>Ashmead's Kernel</b>	United Kingdom

Species	Subsp		
PI	588977	<b>Atlas</b>	Canada
PI	344548	<b>Auralia</b>	Germany
PI	589552	<b>Aurora</b>	Former Soviet Union
PI	589141	<b>Autumn Arctic</b>	United States
PI	337436	<b>B-113</b>	Former Soviet Union
PI	337433	<b>B-59</b>	Former Soviet Union
PI	589139	<b>Badami Golden Delicious</b>	United States
PI	589578	<b>Balancier</b>	UNKNOWN
PI	589884	<b>Baldwin</b>	United States
PI	206021	<b>Ballyfatten</b>	United Kingdom
PI	589052	<b>Bancroft</b>	Canada
PI	287160	<b>Banon's Seedling</b>	India
PI	589201	<b>Barkley Rome</b>	United States
PI	589428	<b>Barry</b>	United States
PI	383502	<b>Bashkirian Beauty</b>	Former Soviet Union
PI	589163	<b>Bates Lobo</b>	United States
PI	588846	<b>Battleford</b>	Canada
PI	589566	<b>Baumann's Reinette</b>	Germany
PI	589848	<b>Baxter</b>	Canada
PI	589885	<b>Beacon</b>	United States
PI	589291	<b>Bean</b>	United States
PI	589914	<b>Beatrix</b>	UNKNOWN
PI	588839	<b>Beautiful Arcade</b>	Former Soviet Union
PI	123733	<b>Bedan des parts</b>	France
PI	127004	<b>Bedford Pippin</b>	United Kingdom
PI	589543	<b>Beforest</b>	Canada
PI	105498	<b>Bella de Jardins</b>	France
PI	102537	<b>Bella di Pontoise</b>	France
PI	300258	<b>Belle de Boskoop</b>	Netherlands
PI	162544	<b>Belle de Crollon</b>	France
PI	589584	<b>Belle de Nordhausen</b>	Germany
PI	162709	<b>Belle Fille</b>	France
PI	245048	<b>Belle Fleur Rouge</b>	Netherlands
PI	126495	<b>Belle Imperiale</b>	UNKNOWN
PI	588951	<b>Belle Sans Pepin</b>	UNKNOWN
PI	137090	<b>Bellefleur Double</b>	Belgium

Species	Subsp		
PI	588777	<b>Bellefleur Kitaika</b>	Former Soviet Union
PI	259447	<b>Bellefleur Rekord</b>	Poland
PI	589863	<b>Bemali</b>	UNKNOWN
PI	588953	<b>Ben Davis</b>	United States
PI	590027	<b>Benham</b>	UNKNOWN
PI	194096	<b>Benitts Roter Finkenwerde</b>	UNKNOWN
PI	131964	<b>Berglander</b>	Belgium
PI	589438	<b>Berlepsch Red</b>	UNKNOWN
PI	589435	<b>Berner Rosen</b>	Switzerland
PI	588843	<b>Bessemianka Michurina</b>	Former Soviet Union
PI	589886	<b>Beverly Hills</b>	United States
PI	589043	<b>Bietigheimer</b>	Germany
PI	588748	<b>BII</b>	United States
PI	122598	<b>Binet Blanc</b>	France
PI	158729	<b>Binet Blanc Dore</b>	France
PI	158730	<b>Binet Rouge</b>	France
PI	588790	<b>Bisbee</b>	United States
PI	588967	<b>Bisbee Giant Winesap</b>	United States
PI	160387	<b>Bitterforest Apple</b>	Yugoslavia
PI	589178	<b>Black Ben Davis</b>	United States
PI	589197	<b>Black Crofton</b>	UNKNOWN
PI	588973	<b>Black Gilliflower</b>	United States
PI	341067	<b>Blahova Oranzova Renetor</b>	UNKNOWN
PI	589532	<b>Blahova Ruzena</b>	Czechoslovakia
PI	589098	<b>Blair</b>	Canada
PI	589887	<b>Blairmont</b>	United States
PI	590119	<b>Blanc Dur (Orne)</b>	France
PI	162719	<b>Blanc Mollet</b>	France
PI	506358	<b>Blauacher</b>	Switzerland
PI	589888	<b>Blaxtayman</b>	United States
PI	589889	<b>Blaze</b>	United States
PI	589593	<b>Blenheim Orange</b>	United Kingdom
PI	590180	<b>Blue Pearmain</b>	UNKNOWN
PI	590172	<b>Bob White</b>	UNKNOWN
PI	162549	<b>Boche</b>	France
PI	589237	<b>Bogo Belle de Boskoop</b>	Netherlands

Species	Subsp		
PI	644154	<b>Bohn</b>	East Germany
PI	644150	<b>Bohnappel</b>	Switzerland
PI	589134	<b>Boiken</b>	Germany
PI	588961	<b>Boller McIntosh</b>	United States
PI	613962	<b>Bongkshu (880626)</b>	Pakistan
PI	590120	<b>Bonne-Hotture</b>	France
PI	588946	<b>Bonum</b>	United States
PI	590156	<b>Bonza</b>	Australia
PI	589574	<b>Borowitsky</b>	Former Soviet Union
PI	224547	<b>Boskoop Rouge</b>	France
PI	187296	<b>Bouteille</b>	France
PI	161758	<b>Bouteille de Liseux</b>	France
PI	162723	<b>Boutteville</b>	France
PI	194199	<b>Bowden Seedling</b>	United Kingdom
PI	632624	<b>Br-1</b>	Brazil
PI	644168	<b>BR-2</b>	Brazil
PI	589577	<b>Brabant Bellefleur de</b>	UNKNOWN
PI	589442	<b>Braeburn</b>	New Zealand
PI	238786	<b>Bramley</b>	United Kingdom
PI	107171	<b>Bramley's Seedling</b>	United Kingdom
PI	158731	<b>Bramtot</b>	United Kingdom
PI	183958	<b>Bravo de Esmolte</b>	UNKNOWN
PI	632623	<b>Brazil</b>	Brazil
PI	589463	<b>Breakey</b>	Canada
PI	590087	<b>Breakwell's Seedling</b>	UNKNOWN
PI	589563	<b>Brettacher</b>	Germany
PI	589726	<b>Britegold</b>	Canada
PI	589140	<b>Britemac</b>	United States
PI	589685	<b>Brown Snout</b>	United Kingdom
PI	589677	<b>Brown Thorn</b>	United Kingdom
PI	589662	<b>Brown's Apple</b>	United Kingdom
PI	102135	<b>Brunnsapple</b>	Netherlands
PI	293887	<b>Brusnichnoe</b>	Former Soviet Union
PI	324523	<b>Budagovski No.9</b>	Poland
PI	657767	<b>Budagovskii 396</b>	United States
PI	589482	<b>Budagovsky 54-118</b>	UNKNOWN



Species	Subsp		
PI	437038	<b>Budagovsky 57-146</b>	Poland
PI	437039	<b>Budagovsky 57-233</b>	Poland
PI	588830	<b>Budagovsky 57-490</b>	Former Soviet Union
PI	588851	<b>Budagovsky 57-491</b>	Former Soviet Union
PI	588808	<b>Bulmer Norman</b>	United Kingdom
PI	588835	<b>Burgundy</b>	United States
PI	172605	<b>BV 49.11</b>	Germany
PI	172608	<b>BV 82.10</b>	Germany
PI	172609	<b>BV 8421</b>	Germany
PI	589017	<b>C.P. Close</b>	United States
PI	161759	<b>Caillouett</b>	France
PI	589557	<b>Calvil Crymskiy</b>	Former Soviet Union
PI	589596	<b>Calville Blanc</b>	France
PI	162720	<b>Calville du Mont d'Or</b>	France
PI	183961	<b>Canavial-14</b>	Portugal
PI	161830	<b>Cap of Liberty</b>	United Kingdom
PI	589698	<b>Captain Kidd</b>	United Kingdom
PI	588857	<b>Caravel</b>	Canada
PI	589075	<b>Carlton</b>	United States
PI	589711	<b>Carnifex</b>	UNKNOWN
PI	341068	<b>Carola</b>	Germany
PI	588832	<b>Carroll</b>	Canada
PI	162710	<b>Cartigny</b>	France
PI	183957	<b>Casa Nova de Alco Baca-9</b>	Portugal
PI	589836	<b>Cathay</b>	United States
PI	589451	<b>CC-14-45</b>	UNKNOWN
PI	588744	<b>Cestra Belferkitaika</b>	UNKNOWN
PI	264688	<b>Champagne Reinette</b>	France
PI	588949	<b>Champlain</b>	UNKNOWN
PI	589445	<b>Charden</b>	UNKNOWN
PI	588978	<b>Charlamoff</b>	Former Soviet Union
PI	589659	<b>Charles Ross</b>	United Kingdom
PI	589071	<b>Chautauqua</b>	United States
PI	286787	<b>Cheal's Golden Gem</b>	United States
PI	589354	<b>Cheal's Weeping</b>	UNKNOWN
PI	199100	<b>Cheddar</b>	United Kingdom

Species	Subsp		
PI	589656	<b>Cheddar Cross</b>	United Kingdom
PI	589890	<b>Chehalis</b>	United States
PI	589239	<b>Chenango Strawberry</b>	United States
PI	589142	<b>Cherry Cox</b>	Denmark
PI	161831	<b>Cherry Pearmain</b>	United Kingdom
PI	588803	<b>Chestnut Crab</b>	United States
PI	589854	<b>Chieftain</b>	United States
PI	588806	<b>Chisel Jersey</b>	United Kingdom
PI	589696	<b>Chiver's Delight</b>	United Kingdom
PI	187297	<b>C'Huero Biz Bras</b>	France
PI	187298	<b>C'Huero Ru Bienn</b>	UNKNOWN
PI	383503	<b>Chulanka</b>	Former Soviet Union
PI	589018	<b>Cimitiere</b>	UNKNOWN
PI	102639	<b>Circassian Apple</b>	Former Soviet Union
PI	392306	<b>Clarke</b>	United States
PI	131001	<b>Claudius Herbstapfel</b>	Germany
PI	589224	<b>Clear Gold</b>	United States
PI	206022	<b>Clear Heart</b>	Ireland
PI	589705	<b>Cleopatra</b>	United States
PI	344550	<b>Clivia</b>	Poland
PI	589076	<b>Close</b>	United States
PI	349324	<b>Coast Apple</b>	South Africa
PI	589175	<b>Coat Jersey</b>	United Kingdom
PI	589853	<b>Coconut Crunch</b>	United States
PI	589103	<b>Colby Baldwin</b>	United States
PI	129820	<b>Cole</b>	United Kingdom
PI	589191	<b>Collamer Twenty Ounce</b>	United States
PI	589470	<b>Collet</b>	Canada
PI	589149	<b>Collins June</b>	UNKNOWN
PI	162712	<b>Colozette</b>	France
PI	589160	<b>Conkle Jonathan 2-4-4-4</b>	United States
PI	589330	<b>Conrad</b>	United States
PI	590121	<b>Cornish Aromatic (Wakeley)</b>	United Kingdom
PI	589065	<b>Cornish Gilliflower</b>	United Kingdom
PI	589183	<b>Cornwall McIntosh 2-2-2-4</b>	United States
PI	588848	<b>Cortland</b>	United States

Species	Subsp		
PI	589601	<b>Court Pendu</b>	UNKNOWN
PI	589591	<b>Court Pendu de France</b>	UNKNOWN
PI	589602	<b>Court Pendu Gris</b>	France
PI	123960	<b>Court Pendu Plat</b>	United Kingdom
PI	589587	<b>Court Pendu Rose</b>	UNKNOWN
PI	589671	<b>Court Royal</b>	United Kingdom
PI	247021	<b>Cox's Orange</b>	Denmark
PI	247022	<b>Cox's Orange Cherry</b>	Denmark
PI	247023	<b>Cox's Orange Otago</b>	UNKNOWN
PI	588853	<b>Cox's Orange Pippin</b>	United Kingdom
PI	588997	<b>Crab C</b>	United Kingdom
PI	589172	<b>Crandall</b>	United States
PI	590146	<b>Crandall</b>	United States
PI	589489	<b>Cranzhevoje</b>	Former Soviet Union
PI	157728	<b>Crawley Reinette</b>	United Kingdom
PI	383504	<b>Creamy Kitaika</b>	Former Soviet Union
PI	123735	<b>Cremiere</b>	UNKNOWN
PI	589024	<b>Crimson Beauty</b>	Canada
PI	113703	<b>Crimson Bramley</b>	United Kingdom
PI	589215	<b>Crimson Gold</b>	United States
PI	158618	<b>Crimson King</b>	United Kingdom
PI	589846	<b>Crimson Superb</b>	United Kingdom
PI	306320	<b>Crittenden</b>	United Kingdom
PI	162721	<b>Crollon</b>	France
PI	589712	<b>Crookston</b>	UNKNOWN
PI	589196	<b>Crow Egg</b>	United States
PI	589963	<b>Crown Prince Rudolf</b>	UNKNOWN
PI	589559	<b>Crymus</b>	Ukraine
PI	666184	<b>Culinara</b>	Brazil
PI	589498	<b>Dab 100</b>	Germany
PI	589073	<b>Dabinett</b>	UNKNOWN
PI	589223	<b>Dakota</b>	United States
PI	162722	<b>Damelot</b>	France
PI	590122	<b>D'Arcy Spice</b>	United Kingdom
PI	162062	<b>Daux Belan</b>	UNKNOWN
PI	590183	<b>Dayton</b>	United States

Species	Subsp		
PI	127358	De Flanders	France
PI	588985	Deacon Jones	United States
PI	188515	Dekkers Glorie	UNKNOWN
PI	105505	Del Cirio	Spain
PI	588797	Delcon	United States
PI	590189	Delia	Romania
PI	613828	Delicios de Voinești	Romania
PI	589841	Delicious	United States
PI	589292	Delicious x Pyrus sp.	UNKNOWN
PI	590155	Delikates	UNKNOWN
PI	589315	Delistein	United States
PI	644251	Demir Elmasi	Turkey
PI	589111	Democrat	Australia
PI	589152	Dermen Black Stayman	United States
PI	589110	Dermen Delicious 4X	United States
PI	589199	Dermen McIntosh 4X	United States
PI	589193	Dermen Paragon 3-6-6	United States
PI	589148	Dermen Paragon 6-3-3	United States
PI	589217	Dermen Stayman 3-6-6	United States
PI	589236	Dermen Stayman 6-3-3	United States
PI	589080	Dermen Winesap 2-4-4	United States
PI	588962	Diana	Canada
PI	589589	Directeur Lesage	Belgium
PI	589900	Discovery	United Kingdom
PI	264689	Djulabia	Yugoslavia
PI	173979	Domaine	France
PI	589913	Dorsett Golden	Bahamas
PI	131104	Double Bon Pommier	France
PI	161760	Doucet Rouge	UNKNOWN
PI	589254	Doud Golden Delicious 2-4-4-4	United States
PI	589667	Doux Normandie	United Kingdom
PI	162715	Doux Tardif	France
PI	162547	Doux Tardif	France
PI	122616	Doux-AMR	France
PI	537000	Drakenstein	South Africa
PI	131823	Drap d'Or Guemene	France

Species	Subsp		
PI	589915	<b>Dubbele Zoete Aagt</b>	UNKNOWN
PI	588801	<b>Duchess</b>	UNKNOWN
PI	126873	<b>Duchess Favorite</b>	United Kingdom
PI	589910	<b>Dudley</b>	United States
PI	175542	<b>Dufflin</b>	United Kingdom
PI	341069	<b>Dukat</b>	Czechoslovakia
PI	613963	<b>Dulcina</b>	Brazil
PI	589666	<b>Dunkerton Late Sweet</b>	United Kingdom
PI	589050	<b>Dunning</b>	United States
PI	589342	<b>E 12-14</b>	South Africa
PI	590179	<b>E.8</b>	United States
PI	589706	<b>Earliblaze</b>	UNKNOWN
PI	589068	<b>Earlibrite Delicious</b>	United States
PI	589293	<b>Early Banta</b>	United States
PI	589713	<b>Early Bird Red</b>	UNKNOWN
PI	589147	<b>Early Cortland</b>	United States
PI	589702	<b>Early Crimson</b>	United Kingdom
PI	589015	<b>Early Harvest</b>	United States
PI	613816	<b>Early Joe</b>	United States
PI	589023	<b>Early McIntosh</b>	United States
PI	590125	<b>Edelroter</b>	Austria
PI	392312	<b>Edward VII</b>	United Kingdom
PI	260000	<b>Egremont Russet</b>	United Kingdom
PI	437052	<b>Egri Piros</b>	Hungary
PI	302301	<b>Eickhoff</b>	Zimbabwe
PI	280401	<b>Ein Shemer</b>	Israel
PI	437037	<b>Ein Shemer 28</b>	Israel
PI	238028	<b>Elisa Ratkee</b>	Poland
PI	588886	<b>Elise Rathke</b>	UNKNOWN
PI	352654	<b>Elita 20 Marculesti</b>	Romania
PI	589650	<b>Ellis Bitter</b>	United Kingdom
PI	589440	<b>Elstar</b>	Netherlands
PI	123989	<b>Emilia</b>	Canada
PI	589661	<b>Emneth Early</b>	United Kingdom
PI	588842	<b>Empire</b>	United States
PI	589316	<b>Empress Spur Golden Delicious</b>	United States

Species	Subsp		
PI	590148	<b>Erickson</b>	United States
PI	589638	<b>Erl Trio</b>	United States
PI	383505	<b>Ermak</b>	Former Soviet Union
PI	589238	<b>Ernst Bosch</b>	Germany
PI	589029	<b>Erwin Bauer</b>	Germany
PI	588785	<b>Esopus Spitzenburg</b>	United States
PI	589549	<b>Eurika</b>	Ukraine
PI	137042	<b>Euzia</b>	Switzerland
PI	589649	<b>Exeter Cross</b>	United Kingdom
PI	589512	<b>F 12 A28</b>	UNKNOWN
PI	589462	<b>F 14 A15</b>	Europe
PI	502163	<b>F1-48-95</b>	Romania
PI	613829	<b>F2-33-27</b>	UNKNOWN
PI	588954	<b>Fall Pippin</b>	United States
PI	589012	<b>Fall Russet</b>	United States
PI	589294	<b>Fallwater</b>	United States
PI	589350	<b>Fantazja</b>	Former Soviet Union
PI	589047	<b>Farmer Spy</b>	United States
PI	590126	<b>Fenouillet de Ribours</b>	France
PI	136591	<b>Fenouillet Gris</b>	France
PI	125686	<b>Feys Record</b>	UNKNOWN
PI	589055	<b>Field Spy</b>	United States
PI	589679	<b>Fillbarrel</b>	United Kingdom
PI	651010	<b>Finkenwerder Herbstprinz</b>	Germany
PI	644191	<b>Fireside</b>	United States
PI	588747	<b>Florina</b>	France
PI	589174	<b>Flower of Kent</b>	United Kingdom
PI	502161	<b>FO-59-4</b>	Romania
PI	502162	<b>FO-80-10</b>	Romania
PI	589318	<b>Foxwhelp</b>	United Kingdom
PI	589167	<b>Freiherr Von Berlepsch</b>	Germany
PI	162503	<b>Frequin</b>	France
PI	161838	<b>Frequin Audievre</b>	United Kingdom
PI	247314	<b>Frequin Lacaille</b>	France
PI	589689	<b>Frequin Tardive de la Sarthe</b>	United Kingdom
PI	276299	<b>Freyberg</b>	New Zealand

Species	Subsp		
PI	590127	<b>Friandise</b>	Netherlands
PI	104790	<b>Frogmore</b>	United Kingdom
PI	657766	<b>Frostbite</b>	United States
PI	589182	<b>Frostproof</b>	United States
PI	589064	<b>Fruitland Delicious</b>	United States
PI	589208	<b>Fruitland Delicious 2-4-4-4</b>	UNKNOWN
PI	588796	<b>Frumos de Voinesta</b>	Romania
PI	187352	<b>Fuero Rous</b>	France
PI	588844	<b>Fuji Red Sport Type 2</b>	Japan
PI	589672	<b>Fyriki</b>	United Kingdom
PI	502164	<b>G-22</b>	Romania
PI	392303	<b>Gala</b>	New Zealand
PI	589850	<b>Gales</b>	UNKNOWN
PI	613966	<b>Galicia</b>	Brazil
PI	224609	<b>Gallen</b>	Finland
PI	589034	<b>Gallia Beauty</b>	United States
PI	589168	<b>Garland</b>	Canada
PI	589176	<b>Garrison</b>	United States
PI	644156	<b>GB 63-43 (Granite Belt)</b>	Australia
PI	255599	<b>GDWF1</b>	Australia
PI	589123	<b>Geeveston Fanny</b>	Australia
PI	644153	<b>Generos</b>	Romania
PI	589079	<b>Geneva</b>	Canada
PI	613819	<b>Geneva Ontario</b>	United States
PI	644177	<b>Geoagiu</b>	Romania
PI	651009	<b>Geoagiu 21</b>	Romania
PI	589683	<b>George Cave</b>	United Kingdom
PI	132225	<b>Gewurzluiken</b>	Germany
PI	306321	<b>Gibbs Golden Gage</b>	United Kingdom
PI	590023	<b>Gilliflower</b>	United Kingdom
PI	102140	<b>Gladstone</b>	United Kingdom
PI	589524	<b>Glenorchie</b>	Canada
PI	134808	<b>Glockenapfel</b>	Switzerland
PI	589040	<b>Gloria Mundi</b>	United States
PI	589916	<b>Glorie van Holland</b>	Netherlands
PI	644164	<b>Goharaman</b>	Pakistan

Species	Subsp		
PI	157207	Gold Canel	Finland
PI	590184	Golden Delicious	United States
PI	589041	Golden Delicious (Smoothie)	United States
PI	589146	Golden Delicious 4E-25-2	Canada
PI	589535	Golden Delicious SE-69	Czechoslovakia
PI	318683	Golden Delicious x Jonathan	Italy
PI	590128	Golden Harvey	United Kingdom
PI	589165	Golden Melon	Japan
PI	589126	Golden Nugget	UNKNOWN
PI	590129	Golden Pippin	United States
PI	589448	Golden Precoce	France
PI	383507	Golden Reinette	Former Soviet Union
PI	589892	Golden Russet	United Kingdom
PI	383509	Golden Uralian	Former Soviet Union
PI	589844	Golden Winesap	United States
PI	589458	Goldgelb 55544	Germany
PI	318409	Goldjon	Italy
PI	312811	Goldjon Carlone (No. 35F)	UNKNOWN
PI	134807	Goldreinette v. Cazis	Switzerland
PI	613833	Goldsmith	South Africa
PI	644190	Goldspur Golden Delicious	United States
PI	590158	Goodland	Canada
PI	613935	Granerly	South Africa
PI	644186	Granite Beauty	United States
PI	588880	Granny Smith	Australia
PI	589233	Graue Renette Von Zabergau	Germany
PI	588837	Gravenstein Washington Red	Denmark
PI	589069	Green Peak McIntosh 2-2-4-4	United States
PI	589132	Green Peak Spy #1	UNKNOWN
PI	589179	Greendale	United States
PI	256108	Greenmeadows Cox's Orange Pippin No.1163	New Zealand
PI	589673	Greensleeves	United Kingdom
PI	590086	Greensweet	UNKNOWN
PI	589684	Grenadier	United Kingdom
PI	589070	Griffith	United States
PI	588791	Grimes Golden	United States



Species	Subsp		
PI	125746	<b>Grise Dieppoise</b>	France
PI	173981	<b>Gros Bois</b>	France
PI	131105	<b>Gros Frequin</b>	France
PI	161761	<b>Grosse Launette</b>	France
PI	162545	<b>Grosse Mouche</b>	France
PI	307505	<b>Grotz Liebling</b>	UNKNOWN
PI	383510	<b>Gruzhovka of Moscow</b>	Former Soviet Union
PI	589468	<b>H53-F15-6</b>	Romania
PI	589473	<b>H55-109-149</b>	Romania
PI	132759	<b>Halberstadter Jungfernapfel</b>	Germany
PI	589187	<b>Hall Keeper</b>	United States
PI	589469	<b>Haralson</b>	United States
PI	589523	<b>Harcourt</b>	Canada
PI	590220	<b>Hardy Cumberland</b>	United States
PI	589653	<b>Harry Masters Jersey</b>	United Kingdom
PI	589310	<b>Harvey (England)</b>	United Kingdom
PI	588792	<b>Hawaii</b>	United States
PI	392304	<b>Hawkes Bay Red Delicious</b>	New Zealand
PI	590026	<b>Hawkeye</b>	United States
PI	307501	<b>Hedwigiae</b>	Germany
PI	506359	<b>Heimenhofer</b>	Switzerland
PI	135689	<b>Heiya</b>	Japan
PI	589295	<b>Hendrick Sweet</b>	UNKNOWN
PI	344552	<b>Herma</b>	Germany
PI	274066	<b>Hermann</b>	United States
PI	136001	<b>Herring's Pippin</b>	United Kingdom
PI	151255	<b>Heyer #2</b>	United States
PI	589911	<b>Hibernal</b>	United States
PI	589585	<b>Holaart Doux</b>	Netherlands
PI	589669	<b>Holiday</b>	United States
PI	589847	<b>Holland</b>	United States
PI	589893	<b>Holly</b>	United States
PI	589660	<b>Holstein</b>	Germany
PI	206026	<b>Honey Ball</b>	Ireland
PI	644174	<b>Honeycrisp</b>	United States
PI	588939	<b>Honeygold</b>	United States

Species	Subsp		
PI	344553	<b>Honora</b>	Canada
PI	265302	<b>Hoover</b>	United States
PI	506360	<b>Hordapfel</b>	Switzerland
PI	588986	<b>Hotle Rome</b>	United States
PI	589668	<b>Howgate Wonder</b>	United Kingdom
PI	644171	<b>Hua Guan</b>	China
PI	590130	<b>Hubbards Pearmain</b>	United Kingdom
PI	589202	<b>Hubbardston Nonsuch</b>	United States
PI	590157	<b>Hudson's Golden Gem</b>	United States
PI	247025	<b>Huidobro</b>	Denmark
PI	589044	<b>Hunter Melba 4X</b>	Canada
PI	589092	<b>Hunter Ottawa 244 4X</b>	Canada
PI	589004	<b>Hunter Sandow 2-4-4</b>	Canada
PI	589231	<b>Hunter Spartan 2-4-4</b>	Canada
PI	589203	<b>Hunter Spy 2-4-4</b>	Canada
PI	224610	<b>Huvitus</b>	Finland
PI	154160	<b>Hybride Aus Mlejewo</b>	Germany
PI	589189	<b>Idagold</b>	United States
PI	589037	<b>Idaho Spur Delicious</b>	United States
PI	588841	<b>Idared</b>	United States
PI	199690	<b>Ikorocavka Alaja</b>	Former Soviet Union
PI	127011	<b>Imperial</b>	United Kingdom
PI	283698	<b>Imperial Stayman</b>	United States
PI	589682	<b>Improved Lambrook Pippin</b>	United Kingdom
PI	589355	<b>Inducoa No. 1</b>	Spain
PI	613830	<b>Inducoa No. II</b>	Spain
PI	114318	<b>Ingers</b>	France
PI	589441	<b>Ingol</b>	Germany
PI	589072	<b>Ingram</b>	United States
PI	279447	<b>Ingrid Marie</b>	Denmark
PI	104727	<b>Irish Peach</b>	Ireland
PI	307515	<b>Isayev's Desertnyi</b>	Poland
PI	590131	<b>Isle of Wight Pippin</b>	France
PI	293885	<b>Iunost</b>	Former Soviet Union
PI	589637	<b>Ivan</b>	United States
PI	279643	<b>Ivette</b>	Netherlands

Species	Subsp		
PI	589537	<b>Jadernicka</b>	Czechoslovakia
PI	341744	<b>Jakob Fischer</b>	UNKNOWN
PI	589917	<b>Jamba</b>	UNKNOWN
PI	246464	<b>James Grieve (Red Rosamund strain)</b>	United Kingdom
PI	589918	<b>Jan Steen</b>	Netherlands
PI	161762	<b>Jaune lu Desert</b>	France
PI	589185	<b>Jefferis</b>	United States
PI	588863	<b>Jerseymac</b>	United States
PI	589159	<b>Jerseyred</b>	United States
PI	148478	<b>Jewel</b>	United Kingdom
PI	644185	<b>Jewett Red</b>	United States
PI	644165	<b>Jin Guang</b>	China
PI	588972	<b>Joan</b>	United States
PI	194106	<b>Johannes Bottner</b>	Germany
PI	123726	<b>John Standish</b>	United Kingdom
PI	589206	<b>Johnson McIntosh 2-4-4-4</b>	United States
PI	589962	<b>Jonafree</b>	United States
PI	588941	<b>Jonagold</b>	United States
PI	589002	<b>Jonagram</b>	United States
PI	613815	<b>Jonalicious</b>	United States
PI	588858	<b>Jonamac</b>	United States
PI	588940	<b>Jonared</b>	United States
PI	590185	<b>Jonathan</b>	United States
PI	589296	<b>Jones Favorite</b>	United States
PI	589704	<b>Joseph Musch</b>	Belgium
PI	162731	<b>Jouveaux</b>	France
PI	589555	<b>Joys</b>	Former Soviet Union
PI	590165	<b>J-TE-B</b>	Czechoslovakia
PI	590167	<b>J-TE-D</b>	Czechoslovakia
PI	590169	<b>J-TE-G</b>	Czechoslovakia
PI	590188	<b>J-TE-H (15707)</b>	Czechoslovakia
PI	589725	<b>Jubilee</b>	Canada
PI	588942	<b>Julyred</b>	United States
PI	589131	<b>June Wealthy</b>	United States
PI	589564	<b>Kaiser Wilhelm</b>	Germany
PI	589169	<b>Kansomolez</b>	United States

Species	Subsp		
PI	322714	<b>Kandil Kitaika</b>	Former Soviet Union
PI	613948	<b>Kandil Sinap</b>	Ukraine
PI	259449	<b>Kanorkowa</b>	Poland
PI	437062	<b>Karastojanka</b>	Bulgaria
PI	666181	<b>Karastoyanka</b>	Bulgaria
PI	589568	<b>Kardinal Bea</b>	Germany
PI	589492	<b>Katja</b>	Sweden
PI	104799	<b>Kavlas</b>	Sweden
PI	206029	<b>Keegan's Crab</b>	United Kingdom
PI	203814	<b>Keegan's Crab</b>	United Kingdom
PI	589894	<b>Keepsake</b>	United States
PI	589049	<b>Kelly #1</b>	United States
PI	206030	<b>Kemp</b>	United Kingdom
PI	589000	<b>Kendall</b>	United States
PI	264557	<b>Kerry Pippin</b>	Ireland
PI	589504	<b>Kestrel</b>	Canada
PI	589248	<b>Keukelaar Greening</b>	UNKNOWN
PI	589590	<b>Keuleman</b>	Belgium
PI	292134	<b>Khashabi</b>	Israel
PI	247026	<b>Kidd's Orange Red</b>	New Zealand
PI	392308	<b>Kile</b>	Australia
PI	589122	<b>Kimball McIntosh 2-4-4-4</b>	United States
PI	249925	<b>King Cole</b>	Australia
PI	589156	<b>King David</b>	United States
PI	589678	<b>King Edward VII</b>	United Kingdom
PI	175010	<b>King Harry</b>	United Kingdom
PI	589676	<b>King of the Pippins</b>	United Kingdom
PI	590150	<b>Kingjon</b>	United States
PI	589703	<b>Kingston Black</b>	United Kingdom
PI	589944	<b>Kinsei</b>	Japan
PI	644160	<b>Kitaika Saninskaia</b>	Former Soviet Union
PI	292930	<b>Kitaika Zolotaia Ranniaia</b>	Former Soviet Union
PI	590154	<b>Kitanosachi</b>	Japan
PI	30327	<b>Kizil alma 826</b>	China
PI	590153	<b>Kogetsu</b>	Japan
PI	657748	<b>Koidu Renett</b>	Estonia

Species	Subsp		
PI	644183	<b>Koidu Renett</b>	Estonia
PI	347268	<b>Kokko strain 2</b>	Japan
PI	383512	<b>Komlensk</b>	Former Soviet Union
PI	188517	<b>Koningszuur</b>	Netherlands
PI	199527	<b>Korei</b>	Japan
PI	589488	<b>Korichnoe Novae K23938</b>	Former Soviet Union
PI	589491	<b>Korichnoe Polosatoje</b>	Former Soviet Union
PI	383513	<b>Korobovka</b>	Turkey
PI	369714	<b>Kosmonaut</b>	Czechoslovakia
PI	188516	<b>Kouleman</b>	Netherlands
PI	293889	<b>Krapchatoe</b>	Former Soviet Union
PI	262970	<b>Krievu Rosmarins</b>	Latvia
PI	259450	<b>Kulon Kitaika</b>	Poland
PI	157209	<b>Kuotesaho</b>	Finland
PI	666186	<b>Kuzcharhy</b>	Turkmenistan
PI	589598	<b>La Paix</b>	Belgium
PI	589053	<b>Lady</b>	France
PI	502248	<b>Lady Williams</b>	Australia
PI	589186	<b>Lakeland</b>	United States
PI	242011	<b>Lalla Red Delicious</b>	Australia
PI	199418	<b>Lamb Abbey Pearmain-A</b>	United Kingdom
PI	199419	<b>Lamb Abbey Pearmain-B</b>	United Kingdom
PI	161839	<b>Lambrook Pippin</b>	United Kingdom
PI	162724	<b>Lande</b>	France
PI	589565	<b>Landsberger Reinette</b>	Germany
PI	128362	<b>Langley Pippin</b>	United Kingdom
PI	161851	<b>Langworthy</b>	United Kingdom
PI	589059	<b>Large Yellow Siberian</b>	UNKNOWN
PI	589066	<b>Late Strawberry</b>	United States
PI	162732	<b>Launette</b>	France
PI	127009	<b>Laxton's Fortune</b>	United Kingdom
PI	589646	<b>Laxton's Fortune</b>	United Kingdom
PI	131463	<b>Laxton's Herald</b>	United Kingdom
PI	127013	<b>Laxton's Leader</b>	United Kingdom
PI	127015	<b>Laxton's Pioneer</b>	United Kingdom
PI	176819	<b>Laxton's Reward</b>	United Kingdom

Species	Subsp		
PI	589026	<b>Laxton's Superb</b>	United Kingdom
PI	589690	<b>Le Bret</b>	United Kingdom
PI	161407	<b>Lemoen</b>	Netherlands
PI	157731	<b>Lemon Pippin</b>	United Kingdom
PI	644250	<b>Leuchapfel</b>	Switzerland
PI	131970	<b>Lewis Incomparable</b>	United Kingdom
PI	349325	<b>Leyda</b>	South Africa
PI	644170	<b>Liaofu</b>	China
PI	588943	<b>Liberty</b>	United States
PI	35636	<b>Liestnaya Antonoffku</b>	Former Soviet Union
PI	589032	<b>Linda</b>	Canada
PI	589475	<b>Lindel</b>	Canada
PI	589536	<b>Litevsky Jadernac</b>	Czechoslovakia
PI	589560	<b>Livadiyskoye</b>	Ukraine
PI	264690	<b>Ljaljce</b>	Yugoslavia
PI	143180	<b>Lobo</b>	Canada
PI	588878	<b>Lodi</b>	United States
PI	589920	<b>Lombart's Calville</b>	Netherlands
PI	590024	<b>Longfield</b>	Former Soviet Union
PI	589207	<b>Loop Giant Spy</b>	United States
PI	589096	<b>Loop Red Spy</b>	United States
PI	589033	<b>Loop Rome 2-2-2-4</b>	United States
PI	589102	<b>Loop Russet Baldwin</b>	United States
PI	589027	<b>Loop Spy 2-2-4-4</b>	UNKNOWN
PI	589263	<b>Loop Wealthy 2-4-4-4</b>	United States
PI	589681	<b>Lord Derby</b>	United Kingdom
PI	123746	<b>Lord Hindlip</b>	United Kingdom
PI	588884	<b>Lord Lambourne</b>	United Kingdom
PI	589063	<b>Lord Seedling</b>	United States
PI	589707	<b>Lord Wolsley</b>	United Kingdom
PI	161840	<b>Lorna Doone</b>	United Kingdom
PI	589298	<b>Lovell</b>	United States
PI	589150	<b>Lowry</b>	UNKNOWN
PI	590159	<b>Loyalist</b>	Canada
PI	589529	<b>Lubec #1</b>	United States
PI	589365	<b>Luke</b>	Canada

Species	Subsp		
PI	589967	<b>Lurared</b>	UNKNOWN
PI	589086	<b>Lyman Prolific</b>	United States
PI	619161	<b>Lyons</b>	United States
PI	263633	<b>M. sp. 'Rootstock'</b>	United Kingdom
PI	588829	<b>M.1</b>	United Kingdom
PI	589926	<b>M.10</b>	Netherlands
PI	589927	<b>M.11</b>	Netherlands
PI	589928	<b>M.13</b>	Netherlands
PI	437058	<b>M.13</b>	United Kingdom
PI	589929	<b>M.16</b>	Netherlands
PI	588877	<b>M.2</b>	United Kingdom
PI	588813	<b>M.20</b>	United Kingdom
PI	588879	<b>M.25</b>	United Kingdom
PI	337319	<b>M.26</b>	United Kingdom
PI	589088	<b>M.27</b>	UNKNOWN
PI	589464	<b>M.3</b>	United Kingdom
PI	589347	<b>M.4</b>	United Kingdom
PI	588816	<b>M.7</b>	United Kingdom
PI	588845	<b>M.8</b>	United Kingdom
PI	588826	<b>M.9 (Troch Strain)</b>	Belgium
PI	589895	<b>Macoun</b>	United States
PI	588999	<b>MacSpur</b>	Canada
PI	589153	<b>Magnolia Gold</b>	United States
PI	437063	<b>Maharaji</b>	India
PI	589105	<b>Maiden Blush</b>	United States
PI	588854	<b>Maigold Schin-H-6</b>	Switzerland
PI	150649	<b>Major</b>	United States
PI	613817	<b>Malinda</b>	United States
PI	644176	<b>Malinda</b>	United States
PI	589495	<b>Malling Kent</b>	United Kingdom
PI	613950	<b>Mal't Bagaevskii</b>	Former Soviet Union
PI	162716	<b>Manch Rouge</b>	France
PI	589155	<b>Manito</b>	UNKNOWN
PI	589345	<b>Manitoba Spy</b>	Canada
PI	141240	<b>Mannington Pearmain</b>	United Kingdom
PI	589367	<b>Mantet</b>	Canada

Species	Subsp		
PI	589171	<b>March #1</b>	United States
PI	264558	<b>Margil</b>	United Kingdom
PI	681624	<b>Maria Elena</b>	Spain
PI	681641	<b>Maria Elena</b>	Spain
PI	264691	<b>Maribor No. 2439</b>	Yugoslavia
PI	280015	<b>Mariborka</b>	Slovenia
PI	589580	<b>Marie-Joseph d'Othee</b>	Belgium
PI	173982	<b>Marin Onfroy</b>	France
PI	613965	<b>Marquesa</b>	Brazil
PI	588998	<b>Marshall McIntosh</b>	United States
PI	589061	<b>Martha</b>	United States
PI	589576	<b>Martini VH/430</b>	UNKNOWN
PI	589714	<b>Maude</b>	UNKNOWN
PI	162713	<b>Maurerbe</b>	France
PI	341745	<b>Maunzenapfel</b>	Germany
PI	589124	<b>McClintock Grimes</b>	United States
PI	588817	<b>McIntosh Summerland Red</b>	Canada
PI	589106	<b>McNicholas Greening</b>	United States
PI	594108	<b>Medaille d'Or</b>	France
PI	589531	<b>Medina</b>	United States
PI	589177	<b>Megumi</b>	Japan
PI	589112	<b>Melba</b>	Canada
PI	342430	<b>Melon</b>	United States
PI	588815	<b>Melred</b>	Canada
PI	589362	<b>Melrose</b>	United States
PI	589709	<b>Merton 778</b>	UNKNOWN
PI	589710	<b>Merton 793</b>	UNKNOWN
PI	589849	<b>Merton Ace</b>	United Kingdom
PI	205460	<b>Merton Beauty</b>	United Kingdom
PI	205461	<b>Merton Delight</b>	United Kingdom
PI	589299	<b>Merton Joy</b>	United Kingdom
PI	589429	<b>Merton Knave</b>	United Kingdom
PI	133101	<b>Merton No. 789</b>	United Kingdom
PI	589695	<b>Merton Pearmain</b>	United Kingdom
PI	205462	<b>Merton Pippin</b>	United Kingdom
PI	199009	<b>Merton Worcester</b>	United Kingdom



Species	Subsp		
PI	173983	<b>Metais</b>	France
PI	162717	<b>Mettais</b>	France
PI	681638	<b>MianPing Guo</b>	China
PI	589945	<b>Michaelmas Red</b>	United Kingdom
PI	589670	<b>Michelin</b>	United Kingdom
PI	259451	<b>Michurin's Bessiemia</b>	Former Soviet Union
PI	588964	<b>Michurin's Seedless</b>	UNKNOWN
PI	589042	<b>Middleton Fameuse</b>	United States
PI	307506	<b>Mill End</b>	UNKNOWN
PI	260001	<b>Millers Seedling</b>	United Kingdom
PI	588956	<b>Milton</b>	United States
PI	589216	<b>Milwaukee</b>	United States
PI	131007	<b>Minister von Hammerstein</b>	Germany
PI	589030	<b>Minnehaha</b>	United States
PI	238074	<b>Mio</b>	Sweden
PI	154164	<b>Miron Sacharanij</b>	Germany
PI	644158	<b>Mironchik</b>	Former Soviet Union
PI	588746	<b>Mislimka</b>	United States
PI	589548	<b>Mleevskaya Crasavitsa</b>	Ukraine
PI	588811	<b>MM.102</b>	United Kingdom
PI	588781	<b>MM.104</b>	United Kingdom
PI	588794	<b>MM.109</b>	United Kingdom
PI	588812	<b>MM.111</b>	United Kingdom
PI	134431	<b>Mobb's Royal</b>	New Zealand
PI	590160	<b>Moira</b>	Canada
PI	588981	<b>Mollie's Delicious</b>	United States
PI	589045	<b>Monmouth Beauty</b>	United States
PI	588772	<b>Monroe</b>	United States
PI	589256	<b>Montgomery</b>	United States
PI	589715	<b>Morden 358</b>	Canada
PI	589516	<b>Morden 359</b>	Canada
PI	589716	<b>Morden 360</b>	Canada
PI	589234	<b>Morden 363</b>	Canada
PI	589077	<b>Mother</b>	United States
PI	162735	<b>Mottais</b>	France
PI	126887	<b>Mr. Prothero</b>	United Kingdom

Species	Subsp		
PI	589300	<b>Mucina</b>	Latvia
PI	589855	<b>Murasaki</b>	Japan
PI	589486	<b>Murray</b>	Canada
PI	200780	<b>Muscadet Bernay</b>	France
PI	589493	<b>Muscadet de Dieppe</b>	France
PI	173985	<b>Muscadet de Lense</b>	France
PI	223602	<b>Mutsu</b>	Japan
PI	30326	<b>Muz-alma</b>	Turkistan
PI	131215	<b>Nanny</b>	United Kingdom
PI	161763	<b>Nanot</b>	France
PI	589542	<b>Narjadnoye Crysmskoye</b>	Former Soviet Union
PI	613961	<b>Naskushu (880590)</b>	Pakistan
PI	175544	<b>Nehou</b>	United Kingdom
PI	161843	<b>Neverblight</b>	United Kingdom
PI	589655	<b>NFTI</b>	United Kingdom
PI	589145	<b>Niagara</b>	United States
PI	589600	<b>Nico</b>	Belgium
PI	154166	<b>Nitschners Erdbeerapfel</b>	Germany
PI	588810	<b>Nittany</b>	United States
PI	589104	<b>No Blow</b>	United States
PI	280013	<b>No. 7141</b>	Yugoslavia
PI	170036	<b>No.39</b>	Turkey
PI	173986	<b>Noel Deschamps</b>	France
PI	589472	<b>Noran</b>	Canada
PI	589447	<b>Norcue</b>	Canada
PI	589521	<b>Noret</b>	Canada
PI	157733	<b>Norfolk Beefing</b>	United Kingdom
PI	123729	<b>Norfolk Royal</b>	United Kingdom
PI	589503	<b>Norhey</b>	Canada
PI	589481	<b>Norland</b>	Canada
PI	589485	<b>Norson</b>	Canada
PI	590171	<b>Northern Lights</b>	UNKNOWN
PI	588872	<b>Northern Spy</b>	United States
PI	589718	<b>Northland</b>	United States
PI	589896	<b>Northwest Greening</b>	United States
PI	589647	<b>Northwood</b>	United Kingdom

Species	Subsp		
PI	137094	<b>Notaire</b>	Belgium
PI	588838	<b>Nova Easygro</b>	Canada
PI	613939	<b>Novaspy</b>	Canada
PI	589547	<b>Novinka</b>	Former Soviet Union
PI	589478	<b>Novosibirski Sweet</b>	Former Soviet Union
PI	307380	<b>Nubeena</b>	Australia
PI	589430	<b>Nugget</b>	United States
PI	644162	<b>Nurshah</b>	Pakistan
PI	590182	<b>NY 55</b>	UNKNOWN
PI	589554	<b>Obilnoye</b>	Ukraine
PI	279645	<b>Odin</b>	Netherlands
PI	589921	<b>Odin</b>	Netherlands
PI	78170	<b>Oekonomierat Echter-meyer</b>	Germany
PI	134809	<b>Oetwiler Renette</b>	Switzerland
PI	589431	<b>Ogden</b>	United States
PI	589852	<b>Ohio Nonpareil</b>	United States
PI	589173	<b>Ohlson</b>	United States
PI	590133	<b>Old Pearmain</b>	United Kingdom
PI	590022	<b>Oliver or Senator</b>	United States
PI	237702	<b>Ontario</b>	Canada
PI	199692	<b>Oratia Beauty</b>	New Zealand
PI	589035	<b>Oregon Spur Delicious</b>	United States
PI	199531	<b>Orei</b>	Japan
PI	589232	<b>Orin</b>	Japan
PI	589897	<b>Oriole</b>	United States
PI	276567	<b>Orleans</b>	United States
PI	589301	<b>Ortley</b>	United States
PI	589028	<b>Oswego</b>	United States
PI	590152	<b>Ottawa #524</b>	UNKNOWN
PI	589479	<b>Ottawa 271</b>	Canada
PI	589719	<b>Ottawa 274</b>	Canada
PI	589340	<b>Ottawa 292</b>	Canada
PI	589471	<b>Ottawa 4</b>	Canada
PI	589476	<b>Ottawa 5210</b>	Canada
PI	666189	<b>Ottawa 523</b>	United States
PI	589453	<b>Ottawa 546</b>	Canada

Species	Subsp		
PI	137581	<b>Ottawa No. 322</b>	Canada
PI	589302	<b>Ottawa SRO 522</b>	Canada
PI	127703	<b>Oxbo</b>	United States
PI	588982	<b>Ozark Gold</b>	United States
PI	437042	<b>P.13</b>	Poland
PI	437043	<b>P.14</b>	Poland
PI	437044	<b>P.16</b>	Poland
PI	352653	<b>P.2</b>	Poland
PI	437046	<b>P.22</b>	Poland
PI	437045	<b>P-18</b>	Poland
PI	589968	<b>Pacific Gold</b>	United States
PI	199420	<b>Padley's Pippin</b>	United Kingdom
PI	383514	<b>Paide's Winter Apple</b>	Former Soviet Union
PI	262969	<b>Paides Ziemas Abols</b>	Latvia
PI	644161	<b>Papirovka</b>	Former Soviet Union
PI	162507	<b>Paradis Do Vayre</b>	France
PI	105388	<b>Paradiso</b>	Italy
PI	589323	<b>Paradiso</b>	UNKNOWN
PI	589039	<b>Paragon</b>	United States
PI	123964	<b>Paraquet</b>	United Kingdom
PI	589118	<b>Patricia</b>	Canada
PI	589494	<b>Patterson</b>	Canada
PI	588821	<b>Patul</b>	Romania
PI	589969	<b>Paulared</b>	United States
PI	632625	<b>Paulista</b>	Brazil
PI	162740	<b>Peau D'Ane</b>	France
PI	136489	<b>Peau de Vache</b>	France
PI	589240	<b>Peck Pleasant</b>	United States
PI	104807	<b>Pederstrup</b>	Denmark
PI	644159	<b>Pepin Litovskit</b>	Former Soviet Union
PI	259452	<b>Pepin Shafrannyi</b>	Former Soviet Union
PI	589116	<b>Pepinka Litowska</b>	Former Soviet Union
PI	589099	<b>Perrine Yellow Transparent</b>	United States
PI	589158	<b>Perrine York 2-4-4-4</b>	United States
PI	276718	<b>Pervenec Samarkanda</b>	Uzbekistan
PI	589674	<b>Pethyre</b>	United Kingdom

Species	Subsp		
PI	589970	<b>Petrel</b>	United States
PI	590177	<b>Pewaukee</b>	United States
PI	589474	<b>Peypring Cerueuko</b>	Romania
PI	589595	<b>Pfirsichroter Sommerapfel</b>	Germany
PI	259453	<b>Piervomaiskoie</b>	Moldova
PI	589597	<b>Pigeonnet</b>	Belgium
PI	132272	<b>Pigeonnet Blanc</b>	France
PI	132273	<b>Pigeonnet Rouge</b>	France
PI	157734	<b>Pine Golden Pippin</b>	United Kingdom
PI	588980	<b>Pink Pearl</b>	United States
PI	644152	<b>Pionier</b>	Romania
PI	279323	<b>Pitmaston Pineapple x 692</b>	France
PI	589687	<b>Pixie</b>	United Kingdom
PI	274840	<b>PK.14</b>	United States
PI	383515	<b>Poeltsamaa Winter Apple</b>	Former Soviet Union
PI	588745	<b>Pohorka</b>	Yugoslavia
PI	134668	<b>Pomme Cloche</b>	Germany
PI	131975	<b>Pomme Framboise</b>	Netherlands
PI	589242	<b>Pomme Grise</b>	Canada
PI	134669	<b>Pomme Raisin</b>	Switzerland
PI	162548	<b>Pomme Thoury</b>	France
PI	240817	<b>Pommier Llorca</b>	United Kingdom
PI	589212	<b>Porter</b>	United States
PI	589851	<b>Potomac</b>	United States
PI	392309	<b>Potter</b>	Australia
PI	589127	<b>Potter Cox</b>	United Kingdom
PI	126586	<b>Pott's Seedling</b>	United Kingdom
PI	589898	<b>Prairie Spy</b>	United States
PI	122620	<b>Pres. Descours-Desacres</b>	France
PI	666190	<b>PRI-1279-2</b>	United States
PI	483255	<b>Priam</b>	France
PI	589229	<b>Primate</b>	United States
PI	589437	<b>Primrouge</b>	UNKNOWN
PI	588834	<b>Prince Charming</b>	Canada
PI	137047	<b>Prince Nicolas</b>	Switzerland
PI	280018	<b>Priol's Delicious</b>	Yugoslavia

Species	Subsp		
PI	589965	<b>Priscilla</b>	United States
PI	589257	<b>Pumpkin Sweet</b>	United States
PI	644188	<b>Pup's Fleurie</b>	United States
PI	644189	<b>Pup's Jeannette</b>	United States
PI	644187	<b>Pup's Tego</b>	United States
PI	589966	<b>Puregold</b>	United States
PI	589594	<b>Purpurroter Cousinot</b>	UNKNOWN
PI	589579	<b>Quastresse</b>	UNKNOWN
PI	589036	<b>Quebec Belle</b>	Canada
PI	613960	<b>Quetta Ambri (880570)</b>	Pakistan
PI	589303	<b>Quindell</b>	United States
PI	644192	<b>Quing Guan</b>	China
PI	589358	<b>Quinte</b>	Canada
PI	589586	<b>Radoux</b>	Belgium
PI	588798	<b>Rambo-Red Summer</b>	United States
PI	589582	<b>Rambour Franc</b>	France
PI	161765	<b>Rambourg Mortier</b>	France
PI	589357	<b>Ranger</b>	Canada
PI	589136	<b>Razor Golden Delicious</b>	United States
PI	143973	<b>Red Apple</b>	Canada
PI	589054	<b>Red Astrachan</b>	Former Soviet Union
PI	214080	<b>Red Australian Rome Beauty</b>	Denmark
PI	589899	<b>Red Baron</b>	United States
PI	264692	<b>Red Belflower</b>	Yugoslavia
PI	589265	<b>Red Canada</b>	United States
PI	207636	<b>Red Cinnamon</b>	Finland
PI	246461	<b>Red Cox's Pomona</b>	Denmark
PI	589923	<b>Red Dijmanszoet</b>	Netherlands
PI	589708	<b>Red Dougherty</b>	New Zealand
PI	161845	<b>Red Jersey (Loyal Drain)</b>	United Kingdom
PI	123730	<b>Red Joaneting</b>	United Kingdom
PI	589304	<b>Red Paducah</b>	United States
PI	437047	<b>Red Ralls</b>	United States
PI	589087	<b>Red Sauce</b>	United States
PI	589100	<b>Red Spitzenburg</b>	United States
PI	589842	<b>Red Spy</b>	UNKNOWN

Species	Subsp		
PI	589048	<b>Red Westfield Seek-No-Further</b>	United States
PI	589211	<b>Redfield</b>	United States
PI	589056	<b>Redford</b>	United States
PI	594111	<b>Redfree</b>	United States
PI	589067	<b>Redgold</b>	United States
PI	589062	<b>Redhook</b>	United States
PI	589255	<b>Redspur Delicious</b>	United States
PI	175543	<b>Redstreak</b>	United Kingdom
PI	589901	<b>Redwell</b>	United States
PI	589902	<b>Regent</b>	UNKNOWN
PI	206031	<b>Reid's Seedling</b>	United Kingdom
PI	158736	<b>Reine des Hatives</b>	France
PI	132571	<b>Reine des Pommes</b>	France
PI	279326	<b>Reine des Reinettes x 1700</b>	France
PI	279325	<b>Reine des Reinettes x 82</b>	France
PI	105524	<b>Reineta do Caravia</b>	Spain
PI	589444	<b>Reinette Clochard</b>	France
PI	590135	<b>Reinette d' Anjou</b>	Belgium
PI	322032	<b>Reinette Da Mana</b>	France
PI	590136	<b>Reinette de Cuzy</b>	France
PI	131828	<b>Reinette do Chenee</b>	France
PI	590137	<b>Reinette Franche</b>	United Kingdom
PI	589588	<b>Reinette Grise</b>	Canada
PI	590138	<b>Reinette Grise de Portugal</b>	Portugal
PI	131561	<b>Reinette Jaegers</b>	Belgium
PI	135645	<b>Reinette Jamin</b>	France
PI	131978	<b>Reinette Jaune de Butzel</b>	Belgium
PI	590139	<b>Reinette Ontz</b>	Belgium
PI	483257	<b>Reinette Simirenko</b>	Former Soviet Union
PI	590140	<b>Reinette Thouin</b>	France
PI	162741	<b>Reinette Tres Tardive</b>	France
PI	188521	<b>Reinette van Ekenstein</b>	Netherlands
PI	259454	<b>Renet Bergamotnyj</b>	Former Soviet Union
PI	104034	<b>Renetta Dorata</b>	Italy
PI	131081	<b>Renown</b>	United Kingdom
PI	105528	<b>Repinaldo do Liebana</b>	Spain

Species	Subsp		
PI	589721	<b>Reta</b>	United States
PI	589700	<b>Rev. W. Wilks</b>	United Kingdom
PI	262968	<b>Reveles Bumbierabols</b>	Latvia
PI	589520	<b>Rhode Island Greening</b>	United States
PI	588840	<b>Ribston</b>	United Kingdom
PI	589151	<b>Richared Delicious</b>	United States
PI	590161	<b>Richelieu</b>	Canada
PI	589722	<b>Richland Crab</b>	UNKNOWN
PI	589466	<b>Roda Mantet</b>	Netherlands
PI	588968	<b>Rogers McIntosh</b>	United States
PI	307381	<b>Rokewood</b>	Australia
PI	588850	<b>Rome Beauty Law</b>	United States
PI	589130	<b>Rose Bud</b>	United States
PI	322033	<b>Rose de Benaugue</b>	Unknown
PI	589137	<b>Rose Red Delicious</b>	United States
PI	589648	<b>Rosemary Russet</b>	United Kingdom
PI	590141	<b>Ross Nonpareil</b>	Ireland
PI	589452	<b>Rossoshanskoje Polosatoje</b>	Former Soviet Union
PI	589457	<b>Rosu de Cluj</b>	Romania
PI	613831	<b>Rosu de Cluj</b>	Romania
PI	589592	<b>Roter Eiserapfel</b>	Germany
PI	102148	<b>Rott jarnpple</b>	Sweden
PI	589143	<b>Rouge Belle de Boskoop</b>	UNKNOWN
PI	141243	<b>Rougemont</b>	United Kingdom
PI	644180	<b>Roumyana</b>	Bulgaria
PI	136604	<b>Rousse Latour</b>	France
PI	590187	<b>Rouville</b>	Canada
PI	588971	<b>Roxbury Russet</b>	United States
PI	651008	<b>Royal Gala</b>	United States
PI	175545	<b>Royal Jersey</b>	United Kingdom
PI	123966	<b>Royal Jubilee</b>	United Kingdom
PI	150650	<b>Royal Wilding</b>	United Kingdom
PI	136605	<b>Royale d'Angleterre</b>	United Kingdom
PI	293888	<b>Rozovoe</b>	Former Soviet Union
PI	307517	<b>Rozovoye Priewoskhodnoye</b>	Poland
PI	282934	<b>Rubra Precoce Breviglieri</b>	Italy



Species	Subsp		
PI	126588	<b>Ruhm aus Kirchwarder</b>	Germany
PI	588849	<b>Russian</b>	UNKNOWN
PI	589312	<b>Russian sdlg.</b>	UNKNOWN
PI	199421	<b>Safstaholm</b>	Sweden
PI	589129	<b>Saint Lawrence</b>	Canada
PI	200781	<b>Saint Martin</b>	United Kingdom
PI	644173	<b>Saivanskaiya</b>	Turkmenistan
PI	589083	<b>Salome</b>	United States
PI	123967	<b>Saltcote Pipin</b>	Mexico
PI	589544	<b>Salute</b>	Ukraine
PI	264559	<b>Sam Young</b>	Ireland
PI	589533	<b>Sampion</b>	Czechoslovakia
PI	613814	<b>San Jacinto</b>	United States
PI	260002	<b>San Juan</b>	United Kingdom
PI	589518	<b>Sandel</b>	UNKNOWN
PI	123751	<b>Sandling</b>	United Kingdom
PI	157735	<b>Sandringham</b>	United Kingdom
PI	589119	<b>Saratoga</b>	United States
PI	126879	<b>Scarlet Nonpareil</b>	United Kingdom
PI	307383	<b>Scarlet Pearmain S.T.P.</b>	United Kingdom
PI	589567	<b>Schneiderapfel</b>	Germany
PI	588969	<b>Schoharie Spy</b>	United States
PI	131011	<b>Schoner aus Itzstedt</b>	Germany
PI	589530	<b>Schoner aus Miltenberg</b>	Germany
PI	589439	<b>Schweizer Orangenapfel</b>	Switzerland
PI	589361	<b>Scotia</b>	Canada
PI	589082	<b>Secor</b>	United States
PI	131010	<b>Seestermuher Zitronenapfel</b>	Germany
PI	589432	<b>Sekai-Ichi</b>	Japan
PI	589125	<b>Sergeant Russet Golden Delicious</b>	United States
PI	107245	<b>Severnii Bujon</b>	Former Soviet Union
PI	589511	<b>Severny Sinap K-21.39</b>	Romania
PI	590162	<b>Shamrock</b>	Canada
PI	589561	<b>Shaphran Letnij</b>	Former Soviet Union
PI	383517	<b>Sharopa</b>	Former Soviet Union
PI	588970	<b>Shaw Ribston</b>	Canada

Species	Subsp		
PI	589306	<b>Shawnee</b>	United States
PI	188523	<b>ShellinKout</b>	Netherlands
PI	175546	<b>Sherrington Norman</b>	United Kingdom
PI	644163	<b>Shinibalt 1</b>	Pakistan
PI	644182	<b>Shinibalt II</b>	Pakistan
PI	195836	<b>Shinko</b>	Japan
PI	199533	<b>Shinsei</b>	Japan
PI	613949	<b>Shtreifling</b>	Former Soviet Union
PI	613937	<b>Shtreifling</b>	Russian Federation
PI	657749	<b>Sidrunkollane Talioum</b>	Estonia
PI	105132	<b>Signe Tillisch</b>	Denmark
PI	175547	<b>Silvercup</b>	United Kingdom
PI	589964	<b>Sinta</b>	Canada
PI	262960	<b>Sipolins</b>	Latvia
PI	238790	<b>Sir Isaac Newton</b>	United Kingdom
PI	589961	<b>Sir Prize</b>	United States
PI	644181	<b>Skryzhapel</b>	Former Soviet Union
PI	161846	<b>Skyrme's Kernel</b>	Canada
PI	589550	<b>Slava Pobeditelyam</b>	Ukraine
PI	148710	<b>Slocan</b>	Canada
PI	613832	<b>Slor</b>	Israel
PI	589903	<b>Smokehouse</b>	United States
PI	589904	<b>Smoothgold</b>	UNKNOWN
PI	293886	<b>Smordodina</b>	Former Soviet Union
PI	232661	<b>Snovit</b>	Sweden
PI	588793	<b>Snow</b>	Canada
PI	224611	<b>Sokeri Miron</b>	Finland
PI	383518	<b>Solncedar</b>	Former Soviet Union
PI	589699	<b>Somerset Redstreak</b>	United Kingdom
PI	176379	<b>Sonderskov</b>	Denmark
PI	589556	<b>Souvenir</b>	Ukraine
PI	187062	<b>Souvenir de Fernand Cognet</b>	UNKNOWN
PI	104813	<b>Sparreholm</b>	Sweden
PI	588871	<b>Spartan</b>	Canada
PI	307518	<b>Spasovka Kvasna</b>	Ukraine
PI	589723	<b>Spasserud</b>	UNKNOWN

Species	Subsp		
PI	231942	<b>Spatbluehender</b>	Germany
PI	588979	<b>Spencer</b>	Canada
PI	589031	<b>Spencer Seedless</b>	United States
PI	588860	<b>Spigold</b>	United States
PI	589113	<b>Spijon</b>	United States
PI	589025	<b>Splendor(Stark)</b>	New Zealand
PI	589006	<b>Spokane Beauty</b>	United States
PI	589154	<b>Spur Winter Banana</b>	United States
PI	588867	<b>Spy Double Red</b>	United States
PI	223666	<b>St. Anna Rode Boskoop</b>	Netherlands
PI	589651	<b>St. Cecilia</b>	United Kingdom
PI	589658	<b>St. Edmund's Russet</b>	United Kingdom
PI	589307	<b>Stafford</b>	United States
PI	588950	<b>Stark</b>	United States
PI	588783	<b>Stark Earliest</b>	United States
PI	589192	<b>Starking</b>	United States
PI	589210	<b>Starkspur Golden Delicious</b>	United States
PI	589905	<b>State Fair</b>	United States
PI	588975	<b>Stayman</b>	United States
PI	589264	<b>Stearns</b>	United States
PI	589692	<b>Stembridge Cluster</b>	United Kingdom
PI	589693	<b>Stembridge Jersey</b>	United Kingdom
PI	589697	<b>Stoke Red</b>	United Kingdom
PI	133750	<b>Stone Pippin</b>	United Kingdom
PI	188524	<b>Storappel</b>	Netherlands
PI	383520	<b>Striped Tawny</b>	Former Soviet Union
PI	589724	<b>Stroming</b>	UNKNOWN
PI	307382	<b>Sturmer Pippin</b>	United Kingdom
PI	589308	<b>Sublett</b>	United States
PI	209939	<b>Subtropical Apple</b>	South Africa
PI	292135	<b>Succary</b>	Israel
PI	589534	<b>Sudeten Reinette</b>	Czechoslovakia
PI	262971	<b>Suislepas Rozabols</b>	Latvia
PI	104815	<b>Suislepper</b>	Sweden
PI	264693	<b>Sumatovka</b>	Yugoslavia
PI	304637	<b>Summerred</b>	Canada

Species	Subsp		
PI	589665	<b>Sunburn</b>	United Kingdom
PI	589325	<b>Sungold</b>	United States
PI	590164	<b>Sunrise</b>	Canada
PI	589694	<b>Sunset</b>	United Kingdom
PI	125566	<b>Surpasse Frequin</b>	Switzerland
PI	134672	<b>Surprise</b>	Switzerland
PI	137056	<b>Surprise Reinette</b>	Switzerland
PI	292931	<b>Susvorenskoye</b>	Former Soviet Union
PI	129833	<b>Swardlands</b>	Australia
PI	589204	<b>Sweden Spartan</b>	Sweden
PI	589081	<b>Sweet Alford</b>	UNKNOWN
PI	589101	<b>Sweet Bough</b>	United States
PI	589924	<b>Sweet Caroline</b>	Netherlands
PI	589688	<b>Sweet Coppin</b>	United Kingdom
PI	588955	<b>Sweet Delicious</b>	United States
PI	589020	<b>Sweet McIntosh</b>	United States
PI	589906	<b>Sweet Sixteen</b>	United States
PI	589351	<b>Sylvia</b>	Sweden
PI	205707	<b>T-391</b>	Canada
PI	589525	<b>T-3913</b>	Canada
PI	590181	<b>Tahir 3-1</b>	UNKNOWN
PI	589691	<b>Tale Sweet</b>	United Kingdom
PI	681623	<b>Talvenaugins</b>	Estonia
PI	175548	<b>Tardive Forestier</b>	United Kingdom
PI	307384	<b>Tasman's Pride</b>	Australia
PI	437049	<b>Tasty</b>	Canada
PI	589551	<b>Tawria</b>	Ukraine
PI	322715	<b>Tayeshnoe</b>	Former Soviet Union
PI	589663	<b>Taylor's</b>	United Kingdom
PI	135499	<b>Tchistaikovka No. 3</b>	UNKNOWN
PI	175549	<b>Teign Harvey</b>	United Kingdom
PI	127370	<b>Teint Fraise</b>	France
PI	506361	<b>Thorgauer Weinapfel</b>	Switzerland
PI	134673	<b>Tilsith</b>	Switzerland
PI	589226	<b>Tioga</b>	United States
PI	383522	<b>Toellisaare</b>	Former Soviet Union

Species	Subsp		
PI	255898	<b>Tohoku 2</b>	Japan
PI	255900	<b>Tohoku 4</b>	Japan
PI	287529	<b>Toko</b>	Japan
PI	588805	<b>Tolman Sweet</b>	United States
PI	125271	<b>Tom Putt</b>	United Kingdom
PI	245145	<b>Toreno</b>	Spain
PI	312810	<b>Torino 31B</b>	Italy
PI	589091	<b>Toshkee</b>	Canada
PI	199532	<b>Toyo</b>	Japan
PI	644169	<b>Trakiiska Ranna</b>	Bulgaria
PI	589433	<b>Trebu</b>	UNKNOWN
PI	262966	<b>Trebu Seklandzis</b>	Latvia
PI	175550	<b>Trembletts Bitter</b>	United Kingdom
PI	589490	<b>Trent</b>	Canada
PI	589538	<b>Tropical Beauty</b>	Israel
PI	588828	<b>Trusevitch I-48-41</b>	Former Soviet Union
PI	588831	<b>Trusevitch I-48-46</b>	Former Soviet Union
PI	588818	<b>Trusevitch II-14-50</b>	Former Soviet Union
PI	588814	<b>Trusevitch V-5-38</b>	Former Soviet Union
PI	589038	<b>Turley</b>	United States
PI	666187	<b>Tuuslar</b>	
PI	589007	<b>Twenty Ounce</b>	United States
PI	175551	<b>Twistbody Jersey</b>	United Kingdom
PI	588855	<b>Tydeman Red (Cooper)</b>	UNKNOWN
PI	241965	<b>Tydemans Early Worcester</b>	United Kingdom
PI	157220	<b>Tydeman's Michaelmas Red</b>	United Kingdom
PI	589558	<b>Tytovka</b>	Former Soviet Union
PI	262965	<b>Uljanisceva</b>	Latvia
PI	344554	<b>Undine</b>	Canada
PI	383523	<b>Uralian Butter</b>	Former Soviet Union
PI	383524	<b>Uralian Winter Apple</b>	Former Soviet Union
PI	175552	<b>Vagnon Ascher</b>	United Kingdom
PI	589060	<b>Vandevere</b>	United States
PI	125273	<b>Venus Pippin</b>	United Kingdom
PI	267822	<b>Vered</b>	Israel
PI	352657	<b>Verjisone x Jonathon 55-109-149</b>	Romania

Species	Subsp		
PI	589527	<b>Vienna</b>	UNKNOWN
PI	589434	<b>Viking</b>	United States
PI	589324	<b>Virginia Crab</b>	UNKNOWN
PI	588778	<b>Viriniagold</b>	United States
PI	588819	<b>Vista Bella</b>	United States
PI	188525	<b>Vogelcalville</b>	Netherlands
PI	589545	<b>Vystavochnoye</b>	Former Soviet Union
PI	148503	<b>Wabiskaw</b>	Canada
PI	588988	<b>Wagener</b>	United States
PI	275292	<b>Wainwright</b>	United States
PI	134824	<b>Waldhofler</b>	Switzerland
PI	589095	<b>Washington Strawberry</b>	United States
PI	588820	<b>Wayne</b>	United States
PI	588788	<b>Wealthy</b>	United States
PI	588779	<b>Wealthy Double Red PC-310</b>	United States
PI	588948	<b>Webster</b>	United States
PI	589190	<b>Wedge</b>	United States
PI	590143	<b>Weidners Goldreinette</b>	Germany
PI	590144	<b>Weisser Winter Taffetapfel</b>	Germany
PI	589097	<b>Welday Jonathan 2-2-4-4</b>	United States
PI	589157	<b>Welday Jonathan 2-4-4-4</b>	United States
PI	589144	<b>Welday Jonathan 4X</b>	United States
PI	589363	<b>Wellington</b>	United States
PI	589094	<b>Wellington Bloomless</b>	United States
PI	349326	<b>Wemmershoek</b>	South Africa
PI	589074	<b>Westchester</b>	United States
PI	589480	<b>Westland</b>	Canada
PI	206034	<b>White Crofton</b>	Ireland
PI	175553	<b>White Jersey</b>	United Kingdom
PI	589194	<b>Whitney Russet King</b>	United States
PI	613818	<b>Wickson</b>	United States
PI	590186	<b>Wijcik McIntosh</b>	Canada
PI	589309	<b>William Crump</b>	United Kingdom
PI	589093	<b>Winchester</b>	United States
PI	588799	<b>Winesap</b>	United States
PI	589675	<b>Winston</b>	United Kingdom

Species	Subsp		
PI	588861	Winter Banana	United States
PI	589645	Winter Majetin	United Kingdom
PI	589001	Winter Sweet Paradise	UNKNOWN
PI	588807	Wolf River	United States
PI	589528	Woodward	United States
PI	206035	Worcester Pearmain	United Kingdom
PI	589632	Wotanda	United States
PI	589326	Wright	United States
PI	589205	Wrixparent 2-4-4-4	United States
PI	127022	Wyken Pippen	United Kingdom
PI	680623	Xuanina	Spain
PI	666185	Yagli Elma	Turkey
PI	437064	Yar Mohammadi	Pakistan
PI	383526	Yellow Arkad	Former Soviet Union
PI	589195	Yellow Bellflower	United States
PI	589856	Yellow Delicious	United States
PI	588773	Yellow Newtown	United States
PI	589221	Yellow Red Delicious	United States
PI	589612	Yellow Sweet	Former Soviet Union
PI	588859	Yellow Transparent	Former Soviet Union
PI	644167	Yian Feng	China
PI	644166	Yian Guang	China
PI	589109	Yorking	United States
PI	589021	Young America	United States
PI	483256	YP	Finland
PI	589505	Z 185	Netherlands
PI	589502	Z 71	Netherlands
PI	589496	Z 73	Netherlands
PI	292136	Zabaoani	UNKNOWN
PI	126998	Zigeunerinapfel	The Netherlands
PI	259456	Zimnieje Piervoskhodnoie	Former Soviet Union
PI	589539	Zlatna Resistentna	Former Soviet Union
PI	589925	Zoete Ermgaard	Netherlands
PI	589569	Zuccalmaglio	Germany
<b>doumeri</b>			
lvp	lvno	Plant Id	Country

Species	Subsp		
PI	589882		United States
<b>florentina</b>			
Ivp	Ivno	Plant Id	Country
PI	589385	<b>Skopje P2</b>	United Kingdom
<b>floribunda</b>			
Ivp	Ivno	Plant Id	Country
PI	588918		UNKNOWN
PI	590033		UNKNOWN
PI	590034		UNKNOWN
PI	590035		UNKNOWN
PI	589742		UNKNOWN
PI	49135		United States
PI	590089		UNKNOWN
PI	589827	<b>821</b>	Japan
PI	344089	<b>Hillieri</b>	United Kingdom
PI	483266	<b>Peachblow</b>	Netherlands
<b>fusca</b>			
Ivp	Ivno	Plant Id	Country
PI	588764		United States
PI	589941		United States
PI	589933		United States
PI	594105		United States
Ivp	Ivno	Plant Id	Country
PI	590036		Canada
PI	589940		United States
PI	590039		United States
PI	613900		United States
PI	613902		United States
PI	613861		United States
PI	613903		United States
PI	590038		United States
PI	589939		United States
PI	613904		United States
PI	589935		United States
PI	589975		United States
PI	589937		United States
PI	613897		United States



Species	Subsp		
PI	613909		United States
PI	613910		United States
PI	613911		United States
PI	613886		United States
PI	613895		United States
PI	589936		United States
PI	589938		United States
PI	590037		United States
PI	613820		United States
PI	588931		United States
PI	589319		North America
PI	589275		UNKNOWN
PI	589283	<b>190 EM</b>	UNKNOWN
PI	589220	<b>F-2</b>	UNKNOWN
PI	589228	<b>F-50</b>	UNKNOWN
PI	613823	<b>No. 2</b>	UNKNOWN
<b>halliana</b>			

Ivp	Ivno	Plant Id	Country
PI	590092		China
PI	589744		UNKNOWN
PI	590028		China
PI	590091		China
PI	590090		China
PI	590032		China
PI	590030		China
PI	590029		China
PI	589972		UNKNOWN
PI	589262		China
PI	589757		UNKNOWN
PI	594112		China
PI	589246	<b>Parkman</b>	Japan
PI	589013	<b>Spontanea</b>	UNKNOWN

Species	Subsp		
<b>honanensis</b>			
Ivp	Ivno	Plant Id	Country
PI	589879		China
PI	594113		China

Species	Subsp		
<b>hupehensis</b>			
lvp	lvno	Plant Id	Country
PI	613933		China
PI	590041		UNKNOWN
PI	613811		Korea
PI	594098		China
PI	122586		China
PI	590059		China
PI	590040		UNKNOWN
PI	589334		UNKNOWN
PI	589522		UNKNOWN
PI	590042		China
PI	613834		China
GMAL	4620	<b>CH01-50</b>	China
PI	633807	<b>CH97 03-01</b>	China
GMAL	4369	<b>CH97 03-01</b>	China
GMAL	4373	<b>CH97 03-05</b>	China
GMAL	4398	<b>CH97 04-10</b>	China
PI	633812	<b>CH97 04-13</b>	China
GMAL	4402	<b>CH97 04-14</b>	China
GMAL	4403	<b>CH97 04-15</b>	China
GMAL	4423	<b>CH97 07-02</b>	China
GMAL	4424	<b>CH97 07-04</b>	China
GMAL	4425	<b>CH97 07-05</b>	China
GMAL	4426	<b>CH97 07-06</b>	China
PI	633818	<b>CH97 07-07</b>	China
GMAL	4428	<b>CH97 07-08</b>	China
GMAL	4429	<b>CH97 07-09</b>	China
GMAL	4430	<b>CH97 07-10</b>	China
GMAL	4431	<b>CH97 07-11</b>	China
GMAL	4432	<b>CH97 07-12</b>	China
GMAL	4433	<b>CH97 07-13</b>	China
GMAL	4434	<b>CH97 07-14</b>	China
GMAL	4437	<b>CH97 07-18</b>	China
GMAL	4439	<b>CH97 07-25</b>	China
<b>hybrid</b>			

Species	Subsp		
Ivp	Ivno	Plant Id	Country
PI	590173	<b>Kelsey</b>	Unknown
PI	589947	<b>PRI 2138-1</b>	United States
PI	589058	<b>September</b>	United States
Ivp	Ivno	Plant Id	Country
PI	589403		United Kingdom
PI	588852		UNKNOWN
PI	589289	<b>183 EM</b>	UNKNOWN
PI	589261	<b>AA852</b>	UNKNOWN
PI	588885	<b>Adams</b>	United States
PI	280022	<b>Adams's Pearmain</b>	United Kingdom
PI	588932	<b>Alamata</b>	UNKNOWN
PI	588824	<b>Almey</b>	Canada
PI	151489	<b>Ames 550</b>	United States
PI	127686	<b>Amsib Crab</b>	United States
PI	589615	<b>Amur</b>	Former Soviet Union
PI	589630	<b>Ann Trio</b>	United States
PI	148703	<b>Arrow</b>	Canada
PI	588899	<b>Athabasca</b>	Canada
PI	148490	<b>Babine</b>	Canada
PI	589314	<b>Barbara Ann</b>	United States
PI	589235	<b>Beauty</b>	United States
PI	589359	<b>Bedford</b>	Canada
PI	589631	<b>Ben Trio</b>	United States
PI	588915	<b>Beverly</b>	UNKNOWN
PI	483267	<b>Bhrens</b>	Netherlands
PI	483268	<b>Butterball</b>	Germany
PI	589290	<b>C-13-30-88</b>	UNKNOWN
PI	589500	<b>Cameron</b>	UNKNOWN
PI	589625	<b>Cappy</b>	United States
PI	589284	<b>Cascade</b>	UNKNOWN
PI	588909	<b>Centennial</b>	United States
PI	589729	<b>Centurion</b>	UNKNOWN
PI	589629	<b>Chance</b>	United States
PI	589381	<b>Cider hybrid</b>	UNKNOWN
PI	280024	<b>Claygate Pearmain</b>	United Kingdom

Species	Subsp		
PI	589338	<b>Columbia</b>	Canada
PI	588957	<b>Columbia Crab</b>	Canada
PI	590191	<b>Co-op 1</b>	United States
PI	590197	<b>Co-op 10</b>	United States
PI	590198	<b>Co-op 11</b>	United States
PI	589951	<b>Co-op 12</b>	United States
PI	590199	<b>Co-op 14</b>	United States
PI	589805	<b>Co-op 15</b>	United States
PI	590200	<b>Co-op 16</b>	United States
PI	589953	<b>Co-op 17</b>	United States
PI	590201	<b>Co-op 18</b>	United States
PI	590202	<b>Co-op 19</b>	United States
PI	590203	<b>Co-op 20</b>	United States
PI	590205	<b>Co-op 24</b>	United States
PI	590207	<b>Co-op 26</b>	United States
PI	589778	<b>Co-op 27</b>	United States
PI	590208	<b>Co-op 28</b>	United States
PI	590192	<b>Co-op 3</b>	United States
PI	590211	<b>Co-op 31</b>	United States
PI	590214	<b>Co-op 34</b>	United States
PI	590216	<b>Co-op 36</b>	United States
PI	590217	<b>Co-op 37</b>	United States
PI	590193	<b>Co-op 6</b>	United States
PI	590194	<b>Co-op 7</b>	United States
PI	590195	<b>Co-op 8</b>	United States
PI	590196	<b>Co-op 9</b>	United States
PI	589057	<b>Cowichan</b>	Canada
PI	589180	<b>Cranberry</b>	United States
PI	588767	<b>Crimson Brilliant</b>	UNKNOWN
PI	589515	<b>Dab 183</b>	Germany
PI	588875	<b>Dab 325</b>	UNKNOWN
PI	589509	<b>Dab 97</b>	Germany
PI	644149	<b>Dainty</b>	Unknown
PI	589084	<b>David</b>	United States
PI	588883	<b>Demir</b>	Turkey
PI	588870	<b>Dolgo</b>	Former Soviet Union

Species	Subsp		
PI	589366	<b>Dorothea</b>	United States
PI	589613	<b>Dwarf Tree</b>	United States
PI	589571	<b>E11-24</b>	United States
PI	589572	<b>E14-32</b>	United States
PI	590071	<b>E29-56</b>	United States
PI	590072	<b>E31-10</b>	United States
PI	589570	<b>E36-7</b>	United States
PI	590069	<b>E7-47</b>	United States
PI	590070	<b>E7-54</b>	United States
PI	589454	<b>Earl</b>	Canada
PI	589642	<b>Eda</b>	United States
PI	307503	<b>Edith</b>	Germany
PI	589364	<b>Eleyi</b>	United Kingdom
PI	590210	<b>Enterprise</b>	United States
PI	589456	<b>Evelyn</b>	United States
PI	590176	<b>Flame</b>	UNKNOWN
PI	589626	<b>Forest King</b>	United States
PI	613969	<b>FORM 181 (35-01)</b>	Kazakhstan
PI	589737	<b>Freeman Hybrid</b>	UNKNOWN
PI	307689	<b>Frettingham Victoria</b>	Netherlands
PI	589510	<b>Garry</b>	Canada
PI	589627	<b>Giant Crab</b>	United States
PI	681627	<b>Gibb</b>	United States
PI	589273	<b>Gloriosa</b>	France
PI	213405	<b>Golden Hornet</b>	United Kingdom
PI	589269	<b>Golden Spires</b>	United Kingdom
PI	590218	<b>Goldrush</b>	United States
PI	588902	<b>Gwendolyn</b>	UNKNOWN
PI	589270	<b>Gypsy Gold</b>	UNKNOWN
PI	589507	<b>Hamilton</b>	Canada
PI	589619	<b>Hans Trio</b>	United States
PI	681628	<b>Harrison</b>	United States
PI	589731	<b>Henning</b>	UNKNOWN
PI	589251	<b>Henrietta Crosby</b>	United States
PI	589732	<b>Henry F. Dupont</b>	UNKNOWN
PI	588862	<b>Heyer #12</b>	Canada

Species	Subsp		
PI	588990	<b>Hopa</b>	United States
PI	589506	<b>Hoser</b>	UNKNOWN
PI	589912	<b>Hyslop Crab</b>	UNKNOWN
PI	588912	<b>Indian Magic</b>	UNKNOWN
PI	589733	<b>Indian Summer</b>	UNKNOWN
PI	589862	<b>Irene</b>	UNKNOWN
PI	141362	<b>James Kirk</b>	United Kingdom
PI	589245	<b>Jay Darling</b>	France
PI	589343	<b>John Downie</b>	United Kingdom
PI	589824	<b>Jonsib Crab</b>	United States
PI	588900	<b>Jubilee</b>	Canada
PI	588804	<b>Kansas K14</b>	United States
PI	589249	<b>Katherine</b>	United States
PI	588984	<b>Kensib</b>	United States
PI	589618	<b>Keo</b>	United States
PI	588866	<b>Kerr</b>	Canada
PI	589388	<b>Kingsmere</b>	United Kingdom
PI	589604	<b>Kit Trio</b>	United States
PI	589508	<b>Kobenza</b>	Netherlands
PI	135983	<b>Kurosh Siberica x Bellfleur</b>	Former Soviet Union
PI	588795	<b>Lennoxville</b>	UNKNOWN
PI	589608	<b>Lina</b>	United States
PI	589609	<b>Linda Sweet</b>	United States
PI	588864	<b>Liset (Crab)</b>	UNKNOWN
PI	589279	<b>M. rockii</b>	UNKNOWN
PI	589161	<b>M. sieboldii hybrid</b>	UNKNOWN
PI	589959	<b>MA # 8</b>	UNKNOWN
PI	589960	<b>MA # 16</b>	UNKNOWN
PI	589271	<b>Madonna</b>	UNKNOWN
PI	588876	<b>Makamik</b>	Canada
PI	588983	<b>Mary Potter</b>	United States
PI	589274	<b>Masek</b>	UNKNOWN
PI	589633	<b>Max Trio</b>	United States
PI	589459	<b>Maybride</b>	Canada
PI	589634	<b>Mercer</b>	United States
PI	681629	<b>Milden</b>	United States

Species	Subsp		
PI	589818	<b>Mildew Immune Seedling</b>	United States
PI	588873	<b>MM.106</b>	United Kingdom
PI	589811	<b>N.J. 100537</b>	United States
PI	589009	<b>NA 40298</b>	United States
PI	499829	<b>Naragansett</b>	United States
PI	148496	<b>Nipissing</b>	Canada
PI	590190	<b>NY 58-22</b>	United States
PI	148708	<b>Okanagan</b>	Canada
PI	280027	<b>Old Nonpareil</b>	France
PI	127702	<b>Olga Crab</b>	Former Soviet Union
PI	136020	<b>Oporto</b>	Ukraine
PI	280028	<b>Orleans Reinette</b>	France
PI	589497	<b>Ormiston Roy</b>	United States
PI	588775	<b>Osman</b>	Canada
PI	590151	<b>Ottawa #1</b>	UNKNOWN
PI	589336	<b>Ottawa 11</b>	Canada
PI	325177	<b>Ottawa 12</b>	Canada
PI	589337	<b>Ottawa 13</b>	Canada
PI	588881	<b>Ottawa 3</b>	Canada
PI	589349	<b>Ottawa 5</b>	Canada
PI	296775	<b>Ottawa 541</b>	Canada
PI	588882	<b>Ottawa 7</b>	Canada
PI	588856	<b>Ottawa 8</b>	Canada
PI	590178	<b>Otterson</b>	UNKNOWN
PI	316495	<b>P.1</b>	Poland
PI	352652	<b>P.1</b>	Poland
PI	589450	<b>Parkland</b>	Canada
PI	589213	<b>Pink Beauty</b>	Canada
PI	588963	<b>Pink Wood</b>	UNKNOWN
PI	280029	<b>Pitmaston Pine Apple</b>	United Kingdom
PI	589820	<b>Prairie Fire</b>	United States
PI	589720	<b>Prairie Gold</b>	United States
PI	589787	<b>PRI 1033-5 'Viking'</b>	United States
PI	589954	<b>PRI 1042-102</b>	United States
PI	590085	<b>PRI 1176-1</b>	United States
PI	589781	<b>PRI 1214-1</b>	United States

Species	Subsp		
PI	589815	<b>PRI 1228-5</b>	United States
PI	590073	<b>PRI 1236</b>	United States
PI	589791	<b>PRI 1279-9</b>	United States
PI	590075	<b>PRI 1290-2</b>	United States
PI	589783	<b>PRI 1290-3</b>	United States
PI	589813	<b>PRI 1293-100</b>	United States
PI	590074	<b>PRI 1293-102</b>	United States
PI	589808	<b>PRI 1293-3</b>	United States
PI	589817	<b>PRI 1302-1</b>	United States
PI	590079	<b>PRI 1312-6</b>	United States
PI	589776	<b>PRI 1316-1</b>	United States
PI	589785	<b>PRI 1346-2</b>	United States
PI	589782	<b>PRI 14-126</b>	United States
PI	589779	<b>PRI 14-152</b>	United States
PI	589801	<b>PRI 1472-3</b>	United States
PI	589790	<b>PRI 1484-1</b>	United States
PI	589949	<b>PRI 1557-2</b>	United States
PI	590084	<b>PRI 1561-100</b>	United States
PI	589814	<b>PRI 1563-1</b>	United States
PI	589828	<b>PRI 1569-3</b>	United States
PI	589796	<b>PRI 1571-3</b>	United States
PI	589821	<b>PRI 1576-100</b>	United States
PI	590081	<b>PRI 1592</b>	United States
PI	589825	<b>PRI 1660-104</b>	United States
PI	589809	<b>PRI 1660-5</b>	United States
PI	589810	<b>PRI 1660-6</b>	United States
PI	589774	<b>PRI 1661-1</b>	United States
PI	589806	<b>PRI 1661-2</b>	United States
PI	589823	<b>PRI 1703-1</b>	United States
PI	589946	<b>PRI 1732-2</b>	United States
PI	589800	<b>PRI 1743-1</b>	United States
PI	589789	<b>PRI 1744-1</b>	United States
PI	589794	<b>PRI 1754-2</b>	United States
PI	589807	<b>PRI 1773-6</b>	United States
PI	589948	<b>PRI 1841-11</b>	United States
PI	589792	<b>PRI 1850-4</b>	United States



Species	Subsp		
PI	589777	<b>PRI 1918-1</b>	United States
PI	589788	<b>PRI 1957-1</b>	United States
PI	589950	<b>PRI 1983-201</b>	United States
PI	589819	<b>PRI 2050-2</b>	United States
PI	589826	<b>PRI 2175-24</b>	United States
PI	590083	<b>PRI 2190-1</b>	United States
PI	590080	<b>PRI 2331</b>	United States
PI	589812	<b>PRI 2377-1</b>	United States
PI	589775	<b>PRI 2382-1</b>	United States
PI	589822	<b>PRI 2465-6</b>	United States
PI	589804	<b>PRI 2465-9</b>	United States
PI	589795	<b>PRI 2482-100</b>	United States
PI	589803	<b>PRI 2543-1</b>	United States
PI	589798	<b>PRI 258-8</b>	United States
PI	589829	<b>PRI 333-9</b>	United States
PI	589780	<b>PRI 384-1</b>	United States
PI	589784	<b>PRI 478-33</b>	United States
PI	589802	<b>PRI 527-3</b>	United States
PI	589797	<b>PRI 672-1</b>	United States
PI	590076	<b>PRI 674-103</b>	United States
PI	589786	<b>PRI 77-1</b>	United States
PI	590078	<b>PRI 996</b>	United States
PI	589830	<b>PRI F2</b>	United States
PI	589181	<b>Prima</b>	United States
PI	590212	<b>Pristine</b>	United States
PI	307690	<b>Professor Sprenger</b>	Netherlands
PI	588887	<b>Profusion</b>	Netherlands
PI	589499	<b>Purple Wave</b>	United States
PI	588763	<b>Pyramidal</b>	UNKNOWN
PI	588947	<b>Radiant</b>	Canada
PI	589734	<b>Ralph Shay</b>	UNKNOWN
PI	589603	<b>Red and Yellow</b>	United States
PI	589250	<b>Red Jacket</b>	United States
PI	588786	<b>Red Jade</b>	United States
PI	588890	<b>Red Jewel</b>	UNKNOWN
PI	589321	<b>Red Silver</b>	United States

Species	Subsp		
PI	588822	<b>Red Splendor</b>	United States
PI	589624	<b>Red Tip</b>	United States
PI	589610	<b>Red Wild</b>	United States
PI	589010	<b>Redflesh</b>	United States
PI	589360	<b>Rescue</b>	Canada
PI	589280	<b>RMJ 102</b>	UNKNOWN
PI	589282	<b>RMJ 105</b>	UNKNOWN
PI	437057	<b>Roberts Crab</b>	United Kingdom
PI	588891	<b>Robin</b>	Canada
PI	589455	<b>Robinson</b>	United States
PI	589252	<b>Rosedale</b>	UNKNOWN
PI	588823	<b>Royalty</b>	Canada
PI	589514	<b>Rudolph</b>	UNKNOWN
PI	589607	<b>Sasha</b>	United States
PI	590206	<b>Scarlet O'Hara</b>	United States
PI	588974	<b>Scheidecker Crab</b>	Germany
PI	589285	<b>Schinto</b>	UNKNOWN
PI	589628	<b>Scugog</b>	Canada
PI	589460	<b>Selkirk</b>	Canada
PI	589090	<b>Sentinel</b>	United States
PI	589465	<b>Shafer</b>	Canada
PI	437048	<b>Shelley</b>	Canada
PI	148500	<b>Sissipuk</b>	Canada
PI	588910	<b>Snowcap</b>	Canada
PI	588787	<b>Snowdrift</b>	United States
PI	589621	<b>South Dakota Ben</b>	United States
PI	589620	<b>South Dakota Bison</b>	United States
PI	589641	<b>South Dakota Bona</b>	United States
PI	589644	<b>South Dakota Macata</b>	United States
PI	589639	<b>South Dakota Winter</b>	United States
PI	588809	<b>Sparkler</b>	UNKNOWN
PI	437054	<b>Splendour</b>	New Zealand
PI	588913	<b>Spring Snow</b>	UNKNOWN
PI	589341	<b>Spy 227</b>	UNKNOWN
PI	588774	<b>Strathmore</b>	UNKNOWN
PI	588766	<b>Striped Beauty</b>	UNKNOWN

Species	Subsp		
PI	143974	<b>Sugar Crab</b>	Canada
PI	589735	<b>Sugar Thyme</b>	UNKNOWN
PI	230685	<b>Sundog</b>	Canada
PI	589484	<b>Tanner</b>	UNKNOWN
PI	148404	<b>Thomas Roland</b>	United States
PI	151644	<b>Timiskaming</b>	Canada
PI	589339	<b>Trail</b>	Canada
PI	589519	<b>Trailman</b>	Canada
PI	589907	<b>Transcendent Crab</b>	UNKNOWN
PI	589288	<b>Unnamed</b>	UNKNOWN
PI	588869	<b>Van Eseltine</b>	United States
PI	589611	<b>Wakaga</b>	United States
PI	589640	<b>Wakapala</b>	United States
PI	589623	<b>Wamdesa</b>	United States
PI	589606	<b>Waziya</b>	United States
PI	589635	<b>Wecota</b>	United States
PI	589622	<b>Wetonka</b>	United States
PI	588992	<b>White Angel</b>	United States
PI	681625	<b>White Winter Pearmain</b>	United States
PI	589908	<b>Whitney Crab</b>	United States
PI	589736	<b>Wild Red</b>	UNKNOWN
PI	588755	<b>William Sim</b>	UNKNOWN
PI	590204	<b>Williams' Pride</b>	United States
PI	589467	<b>Winter Gold</b>	Netherlands
PI	589268	<b>Winter Holly</b>	UNKNOWN
PI	589636	<b>Wiyuta</b>	United States
PI	590111	<b>Yellow Autumn Crab Apple</b>	Japan
PI	589614	<b>Zapta</b>	United States
PI	589616	<b>Zelma</b>	United States
<b>ioensis</b>			
Ivp	Ivno	Plant Id	Country
PI	590016		United States
PI	613893		United States
PI	590008		United States
PI	589999		United States
PI	590004		United States

Species	Subsp		
PI	590015		United States
lvp	lvno	Plant Id	Country
PI	590002		United States
PI	590007		United States
PI	589843		United States
PI	613906		United States
PI	589414		United States
PI	613908		United States
PI	589998		United States
PI	681626		United States
PI	588935		UNKNOWN
PI	590006		United States
PI	590009		United States
PI	590013		United States
PI	590012		United States
PI	613894		United States
PI	590003		United States
PI	589406		United States
PI	613892		United States
PI	589258		United States
PI	613873		United States
PI	590010		United States
PI	588934		United States
PI	590004		United States
PI	613872		United States
PI	588759		United States
PI	588991	<b>Bechtel Crab</b>	United States
PI	589426	<b>fimbriata</b>	United States
PI	589243	<b>Fringe Petal Crab</b>	United States
PI	588925	<b>Nova</b>	United States
PI	589241	<b>Prairie Rose</b>	United States
PI	590093	<b>Spinosa</b>	United States
PI	589745	<b>Texana</b>	UNKNOWN
PI	596279	<b>Texana</b>	United States
<b>kansuensis</b>			
lvp	lvno	Plant Id	Country

Species	Subsp		
PI	588923		China
PI	594097		China
PI	588944	<b>Calva</b>	UNKNOWN
PI	589401	<b>Calva</b>	United Kingdom
GMAL	4616	<b>CH01-28</b>	China
GMAL	4376	<b>CH97 03-09</b>	China
GMAL	4377	<b>CH97 03-10</b>	China
PI	633809	<b>CH97 03-11</b>	China
GMAL	4379	<b>CH97 03-12</b>	China
GMAL	4380	<b>CH97 03-13</b>	China
GMAL	4382	<b>CH97 03-15</b>	China
GMAL	4383	<b>CH97 03-16</b>	China
PI	633810	<b>CH97 03-20</b>	China
GMAL	4389	<b>CH97 03-22</b>	China
<b>kirghisorum</b>			

lvp	lvno	Plant Id	Country
PI	589380		UNKNOWN
PI	613854		Former Soviet Union
PI	590094		Russian Federation
PI	590043		Former Soviet Union
PI	589373		UNKNOWN
PI	613968	<b>FORM 43 (34-01)</b>	Kazakhstan
PI	633798	<b>KAZ 93-42-01</b>	Kyrgyzstan
PI	657000	<b>KAZ 93-43-01</b>	Kyrgyzstan
PI	657001	<b>KAZ 93-44-03</b>	Kyrgyzstan

<b>mandshurica</b>			
lvp	lvno	Plant Id	Country
PI	588753		UNKNOWN
PI	613804		Latvia
PI	588754	<b>Gloriosa</b>	UNKNOWN
<b>micromalus</b>			

lvp	lvno	Plant Id	Country
PI	594096		UNKNOWN
lvp	lvno	Plant Id	Country
PI	613799		UNKNOWN
PI	613798		UNKNOWN
PI	613800		UNKNOWN

Species	Subsp		
PI	613801		UNKNOWN
PI	594092		UNKNOWN
PI	619190		China
PI	589955		UNKNOWN
PI	589754		UNKNOWN
PI	613822		UNKNOWN
PI	594093		UNKNOWN
PI	589753		UNKNOWN
PI	316974		Korea, South
PI	613839		China
PI	588976	<b>Midget Crab</b>	UNKNOWN
<b>ombrophila</b>			
lvp	lvno	Plant Id	Country
PI	596281		China
PI	613915		China
PI	596278		China
<b>orientalis</b>			
lvp	lvno	Plant Id	Country
PI	594095		
PI	633820	<b>RUS 98 03-05</b>	Former Soviet Union
PI	633821	<b>RUS 98 04-02</b>	Former Soviet Union
PI	633823	<b>RUS 98 07-01</b>	Former Soviet Union
lvp	lvno	Plant Id	Country
PI	594101		Turkey
PI	613853		Former Soviet Union
PI	666183		Turkey
GMAL	4508	<b>99TU-01-01</b>	Turkey
GMAL	4509	<b>99TU-02-01</b>	Turkey
PI	666166	<b>99TU-02-02</b>	Turkey
PI	644252	<b>99TU-06-01</b>	Turkey
GMAL	4511	<b>99TU-07-01</b>	Turkey
GMAL	4512	<b>99TU-08-01</b>	Turkey
PI	666167	<b>99TU-08-02</b>	Turkey
PI	633828	<b>99TU-08-02</b>	Turkey
GMAL	4515	<b>99TU-10-01</b>	Turkey
GMAL	4516	<b>99TU-10-02</b>	Turkey

Species	Subsp		
GMAL	4518	99TU-11-02	Turkey
GMAL	4519	99TU-11-03	Turkey
GMAL	4521	99TU-11-05	Turkey
GMAL	4522	99TU-11-06	Turkey
GMAL	4523	99TU-12-01	Turkey
GMAL	4524	99TU-13-01	Turkey
GMAL	4525	99TU-13-02	Turkey
GMAL	4526	99TU-13-03	Turkey
GMAL	4527	99TU-13-04	Turkey
GMAL	4528	99TU-13-05	Turkey
GMAL	4529	99TU-13-06	Turkey
GMAL	4530	99TU-14-01	Turkey
GMAL	4531	99TU-15-01	Turkey
GMAL	4532	99TU-15-02	Turkey
GMAL	4533	99TU-15-03	Turkey
GMAL	4534	99TU-15-04	Turkey
PI	633829	99TU-16-01	Turkey
GMAL	4536	99TU-17-01	Turkey
GMAL	4537	99TU-18-01	Turkey
GMAL	4538	99TU-19-01	Turkey
PI	633830	99TU-20-01	Turkey
PI	666168	99TU-20-01	Turkey
PI	644253	99TU-21-01	Turkey
GMAL	4541	99TU-23-01	Turkey
GMAL	4542	99TU-23-02	Turkey
GMAL	4543	99TU-24-01	Turkey
GMAL	4544	99TU-25-01	Turkey
PI	666169	99TU-25-02	Turkey
GMAL	4546	99TU-25-03	Turkey
GMAL	4547	99TU-25-04	Turkey
GMAL	4548	99TU-25-05	Turkey
GMAL	4549	99TU-25-06	Turkey
GMAL	4550	99TU-25-07	Turkey
GMAL	4551	99TU-25-08	Turkey
GMAL	4552	99TU-25-09	Turkey
GMAL	4553	99TU-26-01	Turkey

Species	Subsp		
PI	633831	<b>99TU-26-02</b>	Turkey
GMAL	4555	<b>99TU-26-03</b>	Turkey
PI	666171	<b>99TU-27-01</b>	Turkey
PI	666170	<b>99TU-27-01</b>	Turkey
PI	633832	<b>99TU-27-01</b>	Turkey
GMAL	4557	<b>99TU-28-01</b>	Turkey
GMAL	4558	<b>99TU-29-01</b>	Turkey
GMAL	4559	<b>99TU-30-01</b>	Turkey
GMAL	4561	<b>99TU-32-01</b>	Turkey
GMAL	4562	<b>99TU-32-02</b>	Turkey
GMAL	4563	<b>99TU-32-03</b>	Turkey
GMAL	4564	<b>99TU-32-04</b>	Turkey
GMAL	4565	<b>99TU-32-05</b>	Turkey
PI	666172	<b>99TU-33-01</b>	Turkey
GMAL	4567	<b>99TU-33-02</b>	Turkey
PI	666173	<b>99TU-34-01</b>	Turkey
GMAL	4569	<b>99TU-35-01</b>	Turkey
PI	666174	<b>ARM01-095</b>	Armenia
PI	666175	<b>ARM01-445</b>	Armenia
GMAL	4600	<b>ARM02-066</b>	Armenia
GMAL	4604	<b>ARM02-095</b>	Armenia
PI	666176	<b>ARM02-163</b>	Armenia
PI	666177	<b>ARM02-168</b>	Armenia
GMAL	4603	<b>ARM02-178</b>	Armenia
PI	666178	<b>GE-2004-056</b>	Georgia
PI	666179	<b>GE-2004-077</b>	Georgia
PI	633819	<b>RUS 98 02-01</b>	Former Soviet Union
GMAL	4468	<b>RUS 98 02-02</b>	Former Soviet Union
PI	666155	<b>RUS 98 02-03</b>	Former Soviet Union
PI	666156	<b>RUS 98 02-04</b>	Former Soviet Union
GMAL	4471	<b>RUS 98 02-05</b>	Former Soviet Union
PI	666157	<b>RUS 98 02-06</b>	Former Soviet Union
PI	666158	<b>RUS 98 03-01</b>	Former Soviet Union
GMAL	4474	<b>RUS 98 03-02</b>	Former Soviet Union
PI	666159	<b>RUS 98 03-03</b>	Former Soviet Union
GMAL	4476	<b>RUS 98 03-04</b>	Former Soviet Union



Species	Subsp		
PI	666160	RUS 98 03-06	Former Soviet Union
GMAL	4479	RUS 98 03-07	Former Soviet Union
PI	666161	RUS 98 03-07	Former Soviet Union
GMAL	4480	RUS 98 03-08	Former Soviet Union
GMAL	4481	RUS 98 04-01	Former Soviet Union
GMAL	4483	RUS 98 04-03	Former Soviet Union
PI	666162	RUS 98 04-04	Former Soviet Union
GMAL	4485	RUS 98 04-05	Former Soviet Union
GMAL	4486	RUS 98 04-06	Former Soviet Union
PI	666163	RUS 98 05-01	Former Soviet Union
PI	666164	RUS 98 05-02	Former Soviet Union
GMAL	4489	RUS 98 05-03	Former Soviet Union
GMAL	4490	RUS 98 05-04	Former Soviet Union
PI	633822	RUS 98 05-05	Former Soviet Union
GMAL	4492	RUS 98 05-06	Former Soviet Union
PI	666165	RUS 98 07-01	Former Soviet Union
GMAL	4494	RUS 98 07-02	Former Soviet Union
<b>orthocarpa</b>			
lvp	lvno	Plant Id	Country
PI	589392		United Kingdom
<b>pratti</b>			
lvp	lvno	Plant Id	Country
PI	588933		United States
<b>prattii</b>			
lvp	lvno	Plant Id	Country
PI	590047		China
PI	633804	CH97 01-26	China
PI	633813	CH97 05-03	China
GMAL	4410	CH97 05-11	China
GMAL	4422	CH97 06-12	China
<b>prunifolia</b>			
lvp	lvno	Plant Id	Country
PI	613803	Rinkii	Latvia
lvp	lvno	Plant Id	Country
PI	589370		UNKNOWN
PI	613927		China
PI	613926		China

Species	Subsp		
PI	588758		UNKNOWN
PI	613845		Ukraine
PI	613923		China
PI	613930		China
PI	613934		China
PI	594102		Ukraine
PI	613824		Korea
PI	613928		China
PI	613825		Korea
PI	589816	<b>19651</b>	United States
PI	337434	<b>B-87</b>	Former Soviet Union
PI	589164	<b>DE 229</b>	UNKNOWN
PI	589333	<b>DE 279</b>	Asia
PI	589184	<b>Dulcis</b>	UNKNOWN
PI	588914	<b>Fastigiata</b>	UNKNOWN
PI	307500	<b>Golden Gem</b>	Germany
PI	613849	<b>Inuringo</b>	Japan
PI	613848	<b>Inuringo</b>	Japan
PI	594103	<b>Inuringo</b>	Japan
PI	589932	<b>M0-84</b>	Japan
PI	589389	<b>Macrocarpa</b>	United Kingdom
PI	594109	<b>Microcarpa</b>	United States
PI	589930	<b>Nagano</b>	Japan
PI	613846	<b>Ringo Asami</b>	UNKNOWN
PI	613847	<b>Ringo Asami</b>	UNKNOWN
PI	613802	<b>Rinkii</b>	Latvia
PI	588994	<b>Rinkii</b>	UNKNOWN
PI	666192	<b>Seishi</b>	Japan
PI	205559	<b>Sikora (Type 1)</b>	Germany
PI	589832	<b>Xanthocarpa</b>	UNKNOWN
PI	589331	<b>Xanthocarpa NA3604</b>	UNKNOWN
<b>pumila</b>			
lvp	lvno	Plant Id	Country
PI	588916	<b>Apetala</b>	United states
lvp	lvno	Plant Id	Country
PI	590097		UNKNOWN

Species	Subsp		
PI	590098		UNKNOWN
PI	590096		UNKNOWN
PI	323617		Afghanistan
PI	594106		China
PI	651011	<b>Legana A8 (G3)</b>	Australia
PI	589857	<b>Niedzwetzkyana</b>	UNKNOWN
PI	589225	<b>Niedzwetzkyana</b>	UNKNOWN
PI	589287	<b>Niedzwetzkyana</b>	UNKNOWN
PI	589166	<b>Ruberima</b>	UNKNOWN
PI	588827	<b>YP (MB4)</b>	Finland
<b>sargentii</b>			
lvp	lvno	Plant Id	Country
PI	613813		Korea
PI	589394		United Kingdom
PI	589372		Japan
PI	613812		Korea
PI	589011		UNKNOWN
PI	588761		UNKNOWN
PI	588782		UNKNOWN
PI	589412		UNKNOWN
PI	590049		Japan
PI	589416		UNKNOWN
PI	590048		Japan
PI	590050		UNKNOWN
PI	613876		UNKNOWN
PI	613862	<b>Rosea</b>	UNKNOWN
PI	588937	<b>Rosea</b>	UNKNOWN
PI	588770	<b>Rosea</b>	UNKNOWN
PI	588919	<b>Rosea</b>	United States
PI	589400	<b>Rosea</b>	UNKNOWN
<b>sieversii</b>			
lvp	lvno	Plant Id	Country
GMAL	3552	<b>KAZ 93-19-02</b>	Kazakhstan
GMAL	3784	<b>KAZ 95 05-01P-25</b>	Kazakhstan
GMAL	3607	<b>KAZ 95 05-06</b>	Kazakhstan
GMAL	3636	<b>KAZ 95 10-04F</b>	Kazakhstan

Species	Subsp		
GMAL	4068	KAZ 96 01-01P-12	Kazakhstan
GMAL	4177	KAZ 96 05-01P-11	Kazakhstan
GMAL	4179	KAZ 96 05-01P-13	Kazakhstan
PI	657088	KAZ 96 05-05	Kazakhstan
GMAL	4238	KAZ 96 07-01P-25	Kazakhstan
GMAL	4286	KAZ 96 08-01P-19	Kazakhstan
PI	657098	KAZ 96 08-17	Kazakhstan
GMAL	4317	KAZ 96 09-01P-10	Kazakhstan
Ivp	Ivno	Plant Id	Country
PI	629300		Uzbekistan
PI	629304		Kazakhstan
PI	596282		Tajikistan
PI	629301		Kazakhstan
PI	629305		Kazakhstan
PI	596283		Kazakhstan
PI	613856		Former Soviet Union
PI	629297		Uzbekistan
PI	629299		Kazakhstan
PI	629303		Uzbekistan
PI	629311		Uzbekistan
PI	629298		Kazakhstan
PI	629315		Tajikistan
PI	629314		Tajikistan
PI	629317		Kazakhstan
PI	629318		Kazakhstan
PI	629313		Kazakhstan
PI	629319		Kazakhstan
PI	629312		Tajikistan
PI	629310		Uzbekistan
PI	629309		Uzbekistan
PI	629307		Kazakhstan
PI	629306		Kazakhstan
PI	596280		Uzbekistan
PI	613851		Former Soviet Union
PI	629296		Uzbekistan
PI	644172	Dikaya from Gyuen	Turkmenistan

Species	Subsp		
PI	657754	<b>DM 10</b>	Kyrgyzstan
PI	657755	<b>DM 14</b>	Kyrgyzstan
PI	657756	<b>DM 29</b>	Kyrgyzstan
PI	657757	<b>DM 30</b>	Kyrgyzstan
PI	657758	<b>DM 32</b>	Kyrgyzstan
PI	657759	<b>DM 33</b>	Kyrgyzstan
PI	657760	<b>DM 34</b>	Kyrgyzstan
PI	657761	<b>DM 38</b>	Kyrgyzstan
PI	657762	<b>DM 46</b>	Kyrgyzstan
PI	657763	<b>DM 49</b>	Kyrgyzstan
PI	657752	<b>DM 5</b>	Kyrgyzstan
PI	657753	<b>DM 9</b>	Kyrgyzstan
PI	613967	<b>FORM 35 (33-01)</b>	Kazakhstan
PI	650966	<b>GMAL 3606 MN 85-26-66</b>	Kazakhstan
PI	650946	<b>GMAL 3611 MN 85-21-20</b>	Kazakhstan
PI	650960	<b>GMAL 3611 MN 85-25-97</b>	Kazakhstan
PI	650947	<b>GMAL 3619 MN 85-21-27</b>	Kazakhstan
PI	650956	<b>GMAL 3620 MN 85-25-48</b>	Kazakhstan
PI	650952	<b>GMAL 3625 MN 85-23-53</b>	Kazakhstan
PI	650969	<b>GMAL 3626 MN 88-27-62</b>	Kazakhstan
PI	650948	<b>GMAL 3627 MN 85-21-47</b>	Kazakhstan
PI	650965	<b>GMAL 3629 MN 85-26-50</b>	Kazakhstan
PI	650970	<b>GMAL 3629 MN 88-27-73</b>	Kazakhstan
PI	650954	<b>GMAL 3632 MN 85-24-100</b>	Kazakhstan
PI	650964	<b>GMAL 3632 MN 85-26-18</b>	Kazakhstan
PI	650971	<b>GMAL 3634 MN 88-27-121</b>	Kazakhstan
PI	650959	<b>GMAL 3637 MN 85-25-84</b>	Kazakhstan
PI	650972	<b>GMAL 3637 MN 88-28-25</b>	Kazakhstan
PI	650973	<b>GMAL 3640 MN 88-28-59</b>	Kazakhstan
PI	650967	<b>GMAL 3642 MN 85-26-95</b>	Kazakhstan
PI	650968	<b>GMAL 3642 MN 85-26-96</b>	Kazakhstan
PI	650975	<b>GMAL 3642 MN 88-28-121</b>	Kazakhstan
PI	650976	<b>GMAL 3643 MN 88-29-26</b>	Kazakhstan
PI	650977	<b>GMAL 3643 MN 88-29-27</b>	Kazakhstan
PI	651004	<b>GMAL 3646 MN 88-29-42</b>	Kazakhstan
PI	650979	<b>GMAL 3646 MN 88-29-50</b>	Kazakhstan

Species	Subsp		
PI	650980	<b>GMAL 3646 MN 88-29-56</b>	Kazakhstan
PI	650958	<b>GMAL 3683 MN 85-25-77</b>	Kazakhstan
PI	650981	<b>GMAL 3683 MN 88-29-107</b>	Kazakhstan
PI	650982	<b>GMAL 3688 MN 88-30-27</b>	Kazakhstan
PI	650950	<b>GMAL 3689 MN 85-21-86</b>	Kazakhstan
PI	650955	<b>GMAL 3689 MN 85-24-107</b>	Kazakhstan
PI	650983	<b>GMAL 3689 MN 88-30-42</b>	Kazakhstan
PI	650984	<b>GMAL 3689 MN 88-30-43</b>	Kazakhstan
PI	650985	<b>GMAL 3689 MN 88-30-60</b>	Kazakhstan
PI	650986	<b>GMAL 3689 MN 88-30-67</b>	Kazakhstan
PI	650987	<b>GMAL 3690 MN 88-30-74</b>	Kazakhstan
PI	650988	<b>GMAL 3730 MN 88-31-2</b>	Kazakhstan
PI	650949	<b>GMAL 3780 MN 85-21-56</b>	Kazakhstan
PI	650951	<b>GMAL 3797 MN 85-22-81</b>	Kazakhstan
PI	650990	<b>GMAL 3841 MN 88-31-51</b>	Kazakhstan
PI	650991	<b>GMAL 3970 MN 88-31-58</b>	Kazakhstan
PI	650957	<b>GMAL 3979 MN 85-25-61</b>	Kazakhstan
PI	657750	<b>GMAL 3990.k</b>	Kazakhstan
PI	650961	<b>GMAL 3998 MN 85-25-105</b>	Kazakhstan
PI	650962	<b>GMAL 4000 MN 85-25-127</b>	Kazakhstan
PI	650963	<b>GMAL 4000 MN 85-25-128</b>	Kazakhstan
PI	650992	<b>GMAL 4010 MN 80-14-21</b>	Kazakhstan
PI	650994	<b>GMAL 4029 MN 80-15-11</b>	Kazakhstan
PI	650993	<b>GMAL 4029 MN 80-15-5</b>	Kazakhstan
PI	650997	<b>GMAL 4035 MN 80-15-29</b>	Kazakhstan
PI	651006	<b>GMAL 4039 MN 80-15-30</b>	Kazakhstan
PI	651002	<b>GMAL 4042 MN 80-16-34</b>	Kazakhstan
PI	651003	<b>GMAL 4042 MN 88-28-74</b>	Kazakhstan
PI	651001	<b>GMAL 4047 MN 80-16-29</b>	Kazakhstan
PI	650998	<b>GMAL 4055 MN 80-16-3</b>	Kazakhstan
PI	651000	<b>GMAL 4059 MN 80-16-28</b>	Kazakhstan
PI	656998	<b>KAZ 93-12-02</b>	Kazakhstan
GMAL	3544	<b>KAZ 93-13-01</b>	Kazakhstan
PI	613951	<b>KAZ 93-21-01</b>	Kazakhstan
PI	633797	<b>KAZ 93-24-01</b>	Kazakhstan
PI	656999	<b>KAZ 93-31-07</b>	Kazakhstan

Species	Subsp		
GMAL	3709	KAZ 95 01-01P-10	Kazakhstan
PI	666153	KAZ 95 01-01P-4	Kazakhstan
GMAL	3598	KAZ 95 01-04	Kazakhstan
GMAL	3746	KAZ 95 04-01P-17	Kazakhstan
GMAL	3603	KAZ 95 04-05	Kazakhstan
PI	657062	KAZ 95 05-01P-16	Kazakhstan
PI	633918	KAZ 95 05-01P-22	Kazakhstan
PI	657064	KAZ 95 05-01P-22	Kazakhstan
PI	657063	KAZ 95 05-01P-22	Kazakhstan
PI	657065	KAZ 95 05-01P-22	Kazakhstan
PI	657066	KAZ 95 05-01P-26	Kazakhstan
PI	657058	KAZ 95 05-01P-3	Kazakhstan
PI	657059	KAZ 95 05-01P-3	Kazakhstan
PI	657057	KAZ 95 05-01P-3	Kazakhstan
PI	657060	KAZ 95 05-01P-5	Kazakhstan
PI	657061	KAZ 95 05-01P-5	Kazakhstan
GMAL	3604	KAZ 95 05-02	Kazakhstan
PI	613970	KAZ 95 05-06	Kazakhstan
PI	613971	KAZ 95 06-01	Kazakhstan
PI	657002	KAZ 95 06-01	Kazakhstan
PI	657004	KAZ 95 06-04	Kazakhstan
PI	657003	KAZ 95 06-04	Kazakhstan
PI	613972	KAZ 95 06-08	Kazakhstan
PI	657007	KAZ 95 06-08	Kazakhstan
PI	657006	KAZ 95 06-08	Kazakhstan
PI	657005	KAZ 95 06-08	Kazakhstan
PI	613973	KAZ 95 07-02	Kazakhstan
PI	657010	KAZ 95 07-02	Kazakhstan
PI	657009	KAZ 95 07-02	Kazakhstan
PI	657008	KAZ 95 07-02	Kazakhstan
PI	657012	KAZ 95 07-05	Kazakhstan
PI	657011	KAZ 95 07-05	Kazakhstan
PI	613974	KAZ 95 07-05	Kazakhstan
PI	657014	KAZ 95 08-01	Kazakhstan
PI	657015	KAZ 95 08-01	Kazakhstan
PI	657013	KAZ 95 08-01	Kazakhstan

Species	Subsp		
PI	657016	<b>KAZ 95 08-03</b>	Kazakhstan
PI	657017	<b>KAZ 95 08-04</b>	Kazakhstan
PI	613975	<b>KAZ 95 08-04</b>	Kazakhstan
PI	613976	<b>KAZ 95 08-06</b>	Kazakhstan
PI	657019	<b>KAZ 95 08-06</b>	Kazakhstan
PI	657018	<b>KAZ 95 08-06</b>	Kazakhstan
PI	657022	<b>KAZ 95 09-03F</b>	Kazakhstan
PI	657020	<b>KAZ 95 09-03F</b>	Kazakhstan
PI	657021	<b>KAZ 95 09-03F</b>	Kazakhstan
GMAL	3631	<b>KAZ 95 09-03L</b>	Kazakhstan
PI	666150	<b>KAZ 95 09-05F</b>	Kazakhstan
PI	657024	<b>KAZ 95 09-05F</b>	Kazakhstan
PI	657023	<b>KAZ 95 09-05F</b>	Kazakhstan
PI	613977	<b>KAZ 95 10-01L</b>	Kazakhstan
PI	633799	<b>KAZ 95 10-03F</b>	Kazakhstan
PI	657025	<b>KAZ 95 10-03F</b>	Kazakhstan
PI	613978	<b>KAZ 95 10-04F</b>	Kazakhstan
GMAL	3637	<b>KAZ 95 10-05F</b>	Kazakhstan
PI	613979	<b>KAZ 95 10-05F</b>	Kazakhstan
PI	657027	<b>KAZ 95 10-06F</b>	Kazakhstan
PI	613980	<b>KAZ 95 12-02</b>	Kazakhstan
GMAL	3654	<b>KAZ 95 12-02</b>	Kazakhstan
PI	613959	<b>KAZ 95 17-14</b>	Kazakhstan
PI	657074	<b>KAZ 95 18-02P-20</b>	Kazakhstan
PI	657073	<b>KAZ 95 18-02P-20</b>	Kazakhstan
PI	657072	<b>KAZ 95 18-02P-20</b>	Kazakhstan
PI	657076	<b>KAZ 95 18-02P-30</b>	Kazakhstan
PI	657075	<b>KAZ 95 18-02P-30</b>	Kazakhstan
PI	657077	<b>KAZ 95 18-02P-31</b>	Kazakhstan
PI	657078	<b>KAZ 95 18-02P-31</b>	Kazakhstan
PI	657081	<b>KAZ 95 18-02P-33</b>	Kazakhstan
PI	657083	<b>KAZ 95 18-02P-33</b>	Kazakhstan
PI	657084	<b>KAZ 95 18-02P-33</b>	Kazakhstan
PI	633801	<b>KAZ 95 18-02P-33</b>	Kazakhstan
PI	657082	<b>KAZ 95 18-02P-33</b>	Kazakhstan
PI	657080	<b>KAZ 95 18-02P-33</b>	Kazakhstan



Species	Subsp		
PI	666154	<b>KAZ 95 18-02P-33</b>	Kazakhstan
PI	657067	<b>KAZ 95 18-02P-6</b>	Kazakhstan
PI	657071	<b>KAZ 95 18-02P-6</b>	Kazakhstan
PI	657070	<b>KAZ 95 18-02P-6</b>	Kazakhstan
PI	657069	<b>KAZ 95 18-02P-6</b>	Kazakhstan
PI	657068	<b>KAZ 95 18-02P-6</b>	Kazakhstan
PI	657028	<b>KAZ 95 18-03</b>	Kazakhstan
PI	657029	<b>KAZ 95 18-03</b>	Kazakhstan
PI	657030	<b>KAZ 95 18-03</b>	Kazakhstan
PI	666151	<b>KAZ 95 18-04</b>	Kazakhstan
PI	657034	<b>KAZ 95 18-04</b>	Kazakhstan
PI	657033	<b>KAZ 95 18-04</b>	Kazakhstan
PI	657032	<b>KAZ 95 18-04</b>	Kazakhstan
PI	657031	<b>KAZ 95 18-04</b>	Kazakhstan
PI	657037	<b>KAZ 95 18-05</b>	Kazakhstan
PI	657036	<b>KAZ 95 18-05</b>	Kazakhstan
PI	657035	<b>KAZ 95 18-05</b>	Kazakhstan
PI	657040	<b>KAZ 95 18-06</b>	Kazakhstan
PI	657038	<b>KAZ 95 18-06</b>	Kazakhstan
PI	657039	<b>KAZ 95 18-06</b>	Kazakhstan
PI	613981	<b>KAZ 95 18-07</b>	Kazakhstan
PI	657041	<b>KAZ 95 18-08</b>	Kazakhstan
PI	657043	<b>KAZ 95 18-08</b>	Kazakhstan
PI	657042	<b>KAZ 95 18-08</b>	Kazakhstan
PI	657044	<b>KAZ 95 18-09</b>	Kazakhstan
PI	657045	<b>KAZ 95 18-09</b>	Kazakhstan
PI	657047	<b>KAZ 95 18-10</b>	Kazakhstan
PI	633800	<b>KAZ 95 18-10</b>	Kazakhstan
PI	657048	<b>KAZ 95 18-10</b>	Kazakhstan
PI	657050	<b>KAZ 95 18-10</b>	Kazakhstan
PI	657046	<b>KAZ 95 18-10</b>	Kazakhstan
PI	657049	<b>KAZ 95 18-10</b>	Kazakhstan
PI	657052	<b>KAZ 95 18-11</b>	Kazakhstan
PI	666152	<b>KAZ 95 18-11</b>	Kazakhstan
PI	657051	<b>KAZ 95 18-11</b>	Kazakhstan
PI	657054	<b>KAZ 95 18-14</b>	Kazakhstan

Species	Subsp		
PI	657053	KAZ 95 18-14	Kazakhstan
PI	657056	KAZ 95 18-14	Kazakhstan
PI	657055	KAZ 95 18-14	Kazakhstan
PI	657104	KAZ 96 01-01P-13	Kazakhstan
PI	633922	KAZ 96 01-01P-20	Kazakhstan
PI	657105	KAZ 96 01-01P-20	Kazakhstan
GMAL	4059	KAZ 96 01-01P-3	Kazakhstan
PI	657085	KAZ 96 01-03	Kazakhstan
PI	657107	KAZ 96 02-01P-11	Kazakhstan
PI	633803	KAZ 96 02-01P-11	Kazakhstan
PI	657106	KAZ 96 02-01P-6	Kazakhstan
PI	657108	KAZ 96 03-01P-7	Kazakhstan
GMAL	4012	KAZ 96 03-02	Kazakhstan
PI	613982	KAZ 96 03-02	Kazakhstan
PI	613983	KAZ 96 03-04	Kazakhstan
GMAL	4014	KAZ 96 03-04	Kazakhstan
GMAL	4015	KAZ 96 03-05	Kazakhstan
PI	613984	KAZ 96 03-05	Kazakhstan
PI	613953	KAZ 96 03-07	Kazakhstan
GMAL	4016	KAZ 96 03-07	Kazakhstan
GMAL	4017	KAZ 96 03-08	Kazakhstan
PI	613985	KAZ 96 03-08	Kazakhstan
PI	613986	KAZ 96 03-09	Kazakhstan
GMAL	4018	KAZ 96 03-09	Kazakhstan
PI	613954	KAZ 96 03-11	Kazakhstan
PI	657086	KAZ 96 03-11	Kazakhstan
PI	613955	KAZ 96 03-12	Kazakhstan
GMAL	4021	KAZ 96 03-12	Kazakhstan
GMAL	4022	KAZ 96 03-13	Kazakhstan
PI	613956	KAZ 96 03-13	Kazakhstan
PI	613957	KAZ 96 03-14	Kazakhstan
GMAL	4023	KAZ 96 03-14	Kazakhstan
PI	657087	KAZ 96 03-15	Kazakhstan
PI	613987	KAZ 96 03-15	Kazakhstan
PI	613988	KAZ 96 05-04	Kazakhstan
PI	633919	KAZ 96 05-05	Kazakhstan

Species	Subsp		
GMAL	4198	KAZ 96 06-01P-15	Kazakhstan
PI	657109	KAZ 96 06-01P-23	Kazakhstan
PI	657110	KAZ 96 06-01P-26	Kazakhstan
PI	633923	KAZ 96 06-01P-28	Kazakhstan
PI	613989	KAZ 96 06-02	Kazakhstan
GMAL	4030	KAZ 96 06-03	Kazakhstan
PI	613990	KAZ 96 06-03	Kazakhstan
PI	657111	KAZ 96 07-01P-24	Kazakhstan
PI	657112	KAZ 96 07-01P-24	Kazakhstan
GMAL	4031	KAZ 96 07-02	Kazakhstan
PI	613991	KAZ 96 07-03	Kazakhstan
PI	657089	KAZ 96 07-03	Kazakhstan
PI	613992	KAZ 96 07-04	Kazakhstan
PI	613993	KAZ 96 07-05	Kazakhstan
GMAL	4035	KAZ 96 07-06	Kazakhstan
PI	613994	KAZ 96 07-06	Kazakhstan
PI	657090	KAZ 96 07-07	Kazakhstan
PI	613958	KAZ 96 07-07	Kazakhstan
PI	657091	KAZ 96 07-08	Kazakhstan
GMAL	4038	KAZ 96 07-09	Kazakhstan
PI	657092	KAZ 96 07-10	Kazakhstan
PI	657093	KAZ 96 07-10	Kazakhstan
PI	657113	KAZ 96 08-01P-11	Kazakhstan
GMAL	4290	KAZ 96 08-01P-23	Kazakhstan
PI	657114	KAZ 96 08-01P-29	Kazakhstan
PI	657116	KAZ 96 08-01P-37	Kazakhstan
PI	657115	KAZ 96 08-01P-37	Kazakhstan
GMAL	4042	KAZ 96 08-03	Kazakhstan
PI	657094	KAZ 96 08-13	Kazakhstan
PI	657096	KAZ 96 08-15	Kazakhstan
PI	657095	KAZ 96 08-15	Kazakhstan
PI	613997	KAZ 96 08-15	Kazakhstan
PI	613998	KAZ 96 08-16	Kazakhstan
PI	657097	KAZ 96 08-17	Kazakhstan
PI	633802	KAZ 96 08-17	Kazakhstan
PI	657099	KAZ 96 08-17	Kazakhstan

Species	Subsp		
PI	650944	<b>KAZ 96 08-17</b>	Kazakhstan
PI	637780	<b>KAZ 96 08-17</b>	Kazakhstan
PI	613999	<b>KAZ 96 08-17</b>	Kazakhstan
PI	657117	<b>KAZ 96 09-01P-2</b>	Kazakhstan
PI	657118	<b>KAZ 96 09-01P-2</b>	Kazakhstan
PI	657119	<b>KAZ 96 09-01P-2</b>	Kazakhstan
PI	657120	<b>KAZ 96 09-01P-4</b>	Kazakhstan
GMAL	4312	<b>KAZ 96 09-01P-5</b>	Kazakhstan
PI	657100	<b>KAZ 96 09-02</b>	Kazakhstan
PI	614000	<b>KAZ 96 09-02</b>	Kazakhstan
PI	650945	<b>KAZ 96 09-02</b>	Kazakhstan
PI	657101	<b>KAZ 96 09-02</b>	Kazakhstan
PI	633920	<b>KAZ 96 09-05</b>	Kazakhstan
PI	657102	<b>KAZ 96 09-05</b>	Kazakhstan
PI	633921	<b>KAZ 96 09-05</b>	Kazakhstan
PI	657103	<b>KAZ 96 09-05</b>	Kazakhstan
PI	632626	<b>Ketmen Dessert</b>	Kazakhstan
PI	657765	<b>Kzyl-alma#2</b>	Kazakhstan
PI	644213	<b>MN 80-14-20</b>	United States
PI	644214	<b>MN 80-15-27</b>	United States
PI	644216	<b>MN 80-16-18</b>	United States
PI	644215	<b>MN 80-16-24</b>	United States
PI	644217	<b>MN 80-16-26</b>	United States
PI	644206	<b>MN 85-21-112</b>	United States
PI	644196	<b>MN 85-21-123</b>	United States
PI	644198	<b>MN 85-22-99</b>	United States
PI	644209	<b>MN 85-23-14</b>	United States
PI	644207	<b>MN 85-23-21</b>	United States
PI	644193	<b>MN 85-23-28</b>	United States
PI	644210	<b>MN 85-23-37</b>	United States
PI	644204	<b>MN 85-23-54</b>	United States
PI	644197	<b>MN 85-24-53</b>	United States
PI	644194	<b>MN 85-25-110</b>	United States
PI	644212	<b>MN 85-25-29</b>	United States
PI	644195	<b>MN 85-26-112</b>	United States
PI	644211	<b>MN 85-26-15</b>	United States

Species	Subsp		
PI	644199	<b>MN 85-26-21</b>	United States
PI	644202	<b>MN 85-27-40</b>	United States
PI	644203	<b>MN 85-27-43</b>	United States
PI	644200	<b>MN 85-28-17</b>	United States
PI	644201	<b>MN 85-28-25</b>	United States
PI	644205	<b>MN 85-28-52</b>	United States
PI	644208	<b>MN 88-29-71</b>	United States
PI	657764	<b>Q 36432</b>	Kazakhstan
lvp	lvno	Plant Id	Country
PI	613852		Former Soviet Union
PI	594104		Former Soviet Union
<b>sikkimensis</b>			
lvp	lvno	Plant Id	Country
PI	590104		UNKNOWN
PI	650943		Former Soviet Union
PI	590106		UNKNOWN
PI	589390		United Kingdom
PI	613912		China
PI	589834		United States
PI	590107		UNKNOWN
PI	589599		UNKNOWN
PI	590105		UNKNOWN
PI	589377		UNKNOWN
PI	589750		UNKNOWN
PI	590108		UNKNOWN
PI	589089		UNKNOWN
<b>spectabilis</b>			
lvp	lvno	Plant Id	Country
PI	594100		China
PI	613836		China
PI	588921	<b>Alboplena</b>	UNKNOWN
PI	212643	<b>Clarkes Flowering Crab</b>	United States
PI	588917	<b>Riversii</b>	UNKNOWN
<b>spp.</b>			
lvp	lvno	Plant Id	Country
GMAL	5020	<b>Cloud</b>	Australia
GMAL	5009	<b>Marialena</b>	Spain

Species	Subsp		
PI	681635	sangre de Toro (Code 84)	Spain
PI	681636	Solarina	Spain
PI	681630	Tchervena Jubileina	Bulgaria
GMAL	5005	Verdialona	Spain
lvp	lvno	Plant Id	Country
PI	589858		UNKNOWN
PI	589861		UNKNOWN
PI	644178	Almali95-1	Turkmenistan
PI	666191	Alpine Beauty	Russian Federation
PI	644179	Babarabkaturshi	Turkmenistan
PI	681637	Blanquina	Spain
PI	666188	Collaos	Spain
PI	681633	Coloradona	Spain
PI	613941	Coop 41	United States
PI	613944	Coop 44	United States
PI	681639	Cristalina	Spain
PI	680619	De la Riega	Spain
PI	657745	Inglis	United States
PI	589409	M. bracteata	United States
PI	589396	M. denticulata	UNKNOWN
PI	589413	M. flexilis	UNKNOWN
PI	589417	M. glabrata	United States
PI	589407	M. glaucescens	United States
PI	589420	M. hartwigii	UNKNOWN
PI	589386	M. lancifolia	UNKNOWN
PI	589276	M. laurifolia	UNKNOWN
PI	589411	M. marjorensis 'Formosa'	UNKNOWN
PI	589421	M. rockii	UNKNOWN
PI	589408	M. turesii	UNKNOWN
PI	589008	M. turesii	UNKNOWN
PI	613946	Macfree	Uncertain
PI	657746	Mary Potter	United States
PI	55990	No. 6558	China
PI	136488	Paradisiaca Atrosanguinea	France
PI	680620	Pepa	Spain
PI	680621	Perico	Spain

Species	Subsp		
PI	681634	<b>Piel de Sapa (340)</b>	Spain
PI	590095	<b>Pratt's Crab Apple</b>	China
PI	681640	<b>Raxao</b>	Spain
PI	644184	<b>Sidrunkollane Talioun</b>	Estonia
PI	680622	<b>Teorica</b>	Spain
PI	613936	<b>VII - 252</b>	Nepal
<b>sylvestris</b>			
Ivp	Ivno	Plant Id	Country
PI	681632	<b>AWS 3-10</b>	Germany
PI	681631	<b>Tubingen</b>	Germany
Ivp	Ivno	Plant Id	Country
PI	613871		Yugoslavia
PI	590061		UNKNOWN
PI	107426		Puerto Rico
PI	589382		United Kingdom
PI	613864		Yugoslavia
PI	613865		Yugoslavia
PI	369855		Yugoslavia
PI	613866		Yugoslavia
PI	619168		Yugoslavia
PI	392302	<b>1764</b>	Former Soviet Union
PI	681622	<b>Barenhecke 3</b>	Germany
PI	633825	<b>Barenhecke 3 x Klipphausen</b>	Germany
PI	588908	<b>French Crab</b>	UNKNOWN
PI	633827	<b>Hartmann-Muhle 1 x Oberwartha 2</b>	Germany
PI	589931	<b>Maruba N1</b>	Japan
PI	633824	<b>Oberwartha 5 x Klipphausen</b>	Germany
GMAL	4496	<b>Oelsen 5 x Oberwartha 5</b>	Germany
PI	588926	<b>Plena</b>	UNKNOWN
PI	666182	<b>Steckby 3</b>	Germany
PI	101888	<b>Torstein</b>	Norway
<b>toringo</b>			
Ivp	Ivno	Plant Id	Country
PI	589749		UNKNOWN
Ivp	Ivno	Plant Id	Country
PI	589747		UNKNOWN
PI	589748		UNKNOWN

Species	Subsp		
PI	590051		Japan
PI	590099		UNKNOWN
PI	594094		Latvia
PI	613806		Latvia
PI	613838		China
PI	613859		Japan
PI	613860		Korea
PI	613932		China
PI	613858		Japan
PI	588892	<b>Arborescens</b>	UNKNOWN
GMAL	4621	<b>CH01-51</b>	China
GMAL	4404	<b>CH97 05-02</b>	China
PI	633814	<b>CH97 05-06</b>	China
PI	633815	<b>CH97 05-08</b>	China
GMAL	4408	<b>CH97 05-09</b>	China
GMAL	4409	<b>CH97 05-10</b>	China
PI	657747	<b>K-255</b>	South Korea
PI	613945	<b>KSW 3696</b>	United States
PI	589958	<b>MA # 4</b>	UNKNOWN
PI	589957	<b>MA #1255</b>	UNKNOWN
PI	590100	<b>Toringo Crab Apple</b>	Japan
PI	590101	<b>Toringo Crab Apple</b>	Japan
PI	590102	<b>Toringo Crab Apple</b>	Japan
<b>transitoria</b>			
<b>lvp</b>	<b>lvno</b>	<b>Plant Id</b>	<b>Country</b>
PI	589384		United Kingdom
PI	589422		UNKNOWN
GMAL	4609	<b>CH01-19</b>	China
GMAL	4610	<b>CH01-20</b>	China
GMAL	4611	<b>CH01-21</b>	China
GMAL	4612	<b>CH01-22</b>	China
GMAL	4613	<b>CH01-23</b>	China
GMAL	4614	<b>CH01-24</b>	China
PI	633805	<b>CH97 02-03</b>	China
PI	633806	<b>CH97 02-04</b>	China
GMAL	4363	<b>CH97 02-05</b>	China



Species	Subsp		
GMAL	4365	<b>CH97 02-07</b>	China
GMAL	4366	<b>CH97 02-08</b>	China
<b>tschonoskii</b>			
lvp	lvno	Plant Id	Country
PI	589752		UNKNOWN
PI	589313		Japan
PI	589395		United Kingdom
<b>x adstringens</b>			
lvp	lvno	Plant Id	Country
PI	588898		UNKNOWN
PI	148709	<b>Simcoe</b>	Canada
<b>x arnoldiana</b>			
lvp	lvno	Plant Id	Country
PI	589222	<b>Arnold Crab</b>	United States
PI	589085	<b>Cardinal</b>	United States
<b>x astracanica</b>			
lvp	lvno	Plant Id	Country
PI	588895		United States
<b>x atosanguinea</b>			
lvp	lvno	Plant Id	Country
PI	590221	<b>804</b>	
PI	589253	<b>Carmine Crab</b>	UNKNOWN
<b>x dawsoniana</b>			
lvp	lvno	Plant Id	Country
PI	589260		UNKNOWN
PI	483254		France
<b>x hartwigii</b>			
lvp	lvno	Plant Id	Country
PI	589867		Latvia
PI	589868		UNKNOWN
PI	589864		Latvia
PI	589866		Latvia
PI	588757		UNKNOWN
<b>x magdeburgensis</b>			
lvp	lvno	Plant Id	Country
PI	588959		Germany
<b>x moerlandsii</b>			

Species	Subsp		
Ivp	Ivno	Plant Id	Country
PI	437056		United Kingdom
PI	589449	<b>Profusion</b>	Netherlands
<b>x platycarpa</b>			
Ivp	Ivno	Plant Id	Country
PI	588752		UNKNOWN
PI	588847		United States
PI	589746		UNKNOWN
PI	589356		UNKNOWN
PI	589427	<b>Hoopesii</b>	United States
PI	589415	<b>Hoopesii</b>	United States
<b>x purpurea</b>			
Ivp	Ivno	Plant Id	Country
PI	588888	<b>Kobendza</b>	UNKNOWN
PI	588911	<b>Kornicensis</b>	Poland
PI	78034	<b>Lemoine</b>	France
<b>x robusta</b>			
Ivp	Ivno	Plant Id	Country
PI	215542	<b>Yellow Siberian</b>	United Kingdom
Ivp	Ivno	Plant Id	Country
PI	588993		UNKNOWN
PI	588904	<b>Cherry Crab</b>	UNKNOWN
PI	588936	<b>Erecta</b>	UNKNOWN
PI	589286	<b>Fastigiata</b>	United States
PI	589003	<b>Korea</b>	UNKNOWN
PI	589278	<b>Leucocarpa</b>	UNKNOWN
PI	589424	<b>Persicifolia</b>	UNKNOWN
PI	589383	<b>Persicifolia</b>	UNKNOWN
PI	590068	<b>Persicifolia</b>	UNKNOWN
PI	588825	<b>Robusta 5</b>	Canada
<b>x scheideckeri</b>			
Ivp	Ivno	Plant Id	Country
PI	589418		UNKNOWN
<b>x soulardii</b>			
Ivp	Ivno	Plant Id	Country
PI	588897		UNKNOWN
PI	589391		United Kingdom

Species	Subsp		
<b>x sublobata</b>			
lvp	lvno	Plant Id	Country
PI	590060		UNKNOWN
lvp	lvno	Plant Id	Country
PI	589755		UNKNOWN
PI	590174	<b>Novole</b>	United States
PI	588922	<b>Yellow Autumn Crab</b>	UNKNOWN
<b>x zumi</b>			
lvp	lvno	Plant Id	Country
PI	589259	<b>Calocarpa</b>	Japan
PI	589840	<b>Calocarpa</b>	UNKNOWN
PI	588905	<b>Zumi Crab</b>	Japan
<b>yunnanensis</b>			
lvp	lvno	Plant Id	Country
PI	589399		United Kingdom
lvp	lvno	Plant Id	Country
PI	590063		China
PI	590065		China
PI	590066		China
PI	589759		UNKNOWN
PI	590114		China
PI	589369		China
PI	589758	<b>Veitchii</b>	China
PI	590115	<b>Veitchii</b>	China
PI	589974	<b>Veitchii</b>	UNKNOWN
PI	271831	<b>Vilmorin</b>	China
<b>zhaojiaoensis</b>			
lvp	lvno	Plant Id	Country
GMAL	4411	<b>CH97 06-01</b>	China
PI	633816	<b>CH97 06-02</b>	China
GMAL	4413	<b>CH97 06-03</b>	China
GMAL	4414	<b>CH97 06-04</b>	China
GMAL	4415	<b>CH97 06-05</b>	China
GMAL	4416	<b>CH97 06-06</b>	China
PI	633817	<b>CH97 06-07</b>	China
GMAL	4419	<b>CH97 06-09</b>	China
GMAL	4421	<b>CH97 06-11</b>	China