

IMPACT

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DEVELOPING NEW FRUIT VARIETIES

Cornell scientists have introduced 279 new fruit varieties since 1880. By combining traditional methods with the latest molecular techniques such as marker-assisted selection, breeders are able to improve fruit quality, productivity, insect and disease resistance, tolerance to cold weather, and the growth habits of trees and vines. Cornell varieties are widely grown in New York and around the world, and have been well accepted by growers, processors and consumers.



APPLES (65):

Name	Station #	Parentage	Year	Name	Station #	Parentage	Year
Alton	4588	Early McIntosh x Sta. 845 (Red Canada x Yellow Transparent)	1938	Montgomery	Wheeler No. 76	Unknown	1914
Autumncrisp	674	Golden Delicious x Monroe	2010	Nassau	3171-9	Esopus Spitzenberg x Ben Davis	1914
Barry	4111	McIntosh x Cox's Orange Pippin	1957	Newfane	2236	Deacon Jones x Delicious	1927
Broome	Wheeler No. 56	Unknown	1914	New York 1	98804-001	Honeycrisp x NY 752	2010
Burgundy	161	Monroe x NY 18491 (Macoun x Antonovka)	1974	New York 2	92609-463	Autumncrisp x Braeburn	2010
Carlton	2391	Montgomery x Red Astrachan	1923	Niagara	50-2	Carlton x McIntosh	1962
Chautauqua	122	Esopus Spitzenberg x Ben Davis	1915	Northern Lights	17207	Haralson x McIntosh	1990
Clinton	86	Ben Davis x Green Newton	1914	Ogden	3609	Zusoff x McIntosh	1928
Cornell McIntosh		McIntosh Sport	1956	Onondaga	80	Ben Davis x McIntosh	1915
Cortland	79	Ben Davis x McIntosh	1915	Orleans	2078	Deacon Jones x Delicious	1924
Dunning	4526	Early McIntosh x Cox's Orange Pippin	1938	Oswego	57	Sutton x Northern Spy	1915
Early Cortland	49-19	Cortland x Lodi	1982	Otsego	82	Ben Davis x McIntosh	1914
Early McIntosh	1022	Yellow Transparent x McIntosh	1923	Redfield (ornamental)	4840	Wolf River x <i>M. niedzwetzkyana</i>	1938
Empire	45500-5	McIntosh x Delicious	1966	Redford (ornamental)	4876	Wolf River x <i>M. niedzwetzkyana</i>	1938
Empress	NY651	Jonamac x Vista Bella	1988	Redhood	4284	McIntosh x Carlton	1938
Fortune	429	Schoharie Spy x Empire	1996	Red Jacket (ornamental)	11933	<i>M. niedzwetzkyana</i> x <i>M. astrosanguinea</i>	1938
Freedom	58553-1	NY 18492 x NY 49821-46	1983	Red Sauce	1311	Deacon Jones x Wealthy	1926
(scab resistant)				Rensselaer	28	Ben Davis x Jonathan	1914
Geneva Early	444	Quinte x Julyred	1982	Rockland	5558-14	Ben Davis x Mother	1914
Geneva McIntosh		McIntosh sport	1959	Royal Empire	Teeple Red Empire	Sport of Empire	1990
Geneva Ontario		Ontario sport	1964	Saratoga	96	Ben Davis x Green Newton	1914
Greendale	4793	McIntosh x Lodi	1938	Schenectady	47	Ben Davis x Mother	1915
Herkimer	3150-4	Ben Davis x Green Newton	1914	Schoharie	63	Ralls Janet x Northern Spy	1914
Jonagold	43013-1	Golden Delicious x Jonathan	1968	Spigold	E-6	Red Spy x Golden Delicious	1962
Jonamac	44428-5	McIntosh x Jonathan	1972	Spijon	44408-5	Red Spy x Monroe	1968
Kendall	3616	Zusoff x McIntosh	1932	Sweet Delicious	2128	Deacon Jones x Delicious	1922
Liberty	55140-19	Macoun x Purdue 54-12	1978	Sweet McIntosh	505	Lawver x McIntosh	1922
(scab resistant)				Tioga	5559-4	Sutton x Northern Spy	1915
Lodi	2581	Montgomery x Yellow Transparent	1924	Ulster	Wheeler No. 3	Unknown	1914
Macoun	547	McIntosh x Jersey Black	1923	Van Esetline (ornamental)	11903	<i>M. arnoldiana</i> x <i>M. spectabilis</i>	1937
Medina	2082	Deacon Jones x Delicious	1922	Wayne	44420-1	N. W. Greening x Red Spy	1962
Milton	1040	Yellow Transparent x McIntosh	1923	Webster	2987	Sta.26 x Sta.19 (Ben Davis x Jonathan)	1938
Monroe	1546	Jonathan x Rome Beauty	1949	Wellington	747	Cortland x Crimson Beauty	1955
				Westchester	94	Ben Davis x Green Newton	1914

APPLE ROOTSTOCKS (12):

Name	Station #	Parentage	Year
Geneva 11		M. 26 x Robusta 5	1993
Geneva 16		Ottawa 3 x <i>M. floribunda</i>	1996
Geneva 30		Robusta 5 x M. 9	1994
Geneva 41		M. 27 x Robusta 5	2005
Geneva 65		M. 27 x Beauty Crab	1991
Geneva 202		M. 27 x Robusta 5	2003
Geneva 210		Ottawa 3 x Robusta 5	2010
Geneva 214		Ottawa 3 x Robusta 5	2010
Geneva 890		Ottawa 3 x Robusta 5	2010
Geneva 935		Ottawa 3 x Robusta 5	2005
Geneva 969		Ottawa 3 x Robusta 5	2010
Novole	613	<i>Malus prunifolia</i> o.p.* (P.I. 286613)	1982

APRICOTS (3):

Name	Station #	Parentage	Year
Alfred	345	Doty o.p.* x Geneva	1965
Farmingdale	346	Doty o.p.* x Geneva	1965
Geneva	Frascati (FPI 34265)		1934

BLACKBERRIES (3):

Name	Station #	Parentage	Year
Bailey		Unknown	1950
Darrow	24338	NY 15826 (Eldorado x Brewer) x Hedrick	1958
Hedrick	15827	Eldorado x Brewer	1950

CHERRIES (20):

Name	Station #	Parentage	Year
Andersen™	9295	Wederscher Market x o.p.*	2006
Blushing Gold™	8182	Yellow Glass x Emperor Francis	2003
BlackGold™	13791	Stark Gold x Stella	2002
BlackYork™	1725	Giant x Emperor Francis	2003
BurgandyPearl™	38L	Sport of NY 38 (Royalton x Hedel Finger)	2008
EbonyPearl™	32	Somerset x o.p.*	2008
Gil Peck	468	Napoleon x Giant	1936
Hartland™	3308	Windsor o.p.*	1992
Hudson	591	Oswego x Giant	1964
Kristin	1599	Emperor Francis x Gil Peck	1982
Nugent™	518	Germersdorfer x o.p.*	2006
Oswego		Unknown Mazzard	
Radiance Pearl™	7679	PR 1-638 x NY 5656	2008
Royalton™	11390	NY 1725 o.p.*	1991
Seneca	1	Unknown x Early Purple Guigne	1924
Sodus	467	Napoleon x Giant	1938
Somerset™	6476	Van x Vic	1993
Surefire™ (tart)	12716	Borchert Black Sour x NY 6935	1993
Ulster	1519	Schmidt x Lambert	1964
White Gold™	13688	Emperor Francis x Stella	2002

ELDERBERRIES (1):

Name	Station #	Parentage	Year
York	12	Adams #2 x Ezyoff	1964

GOOSEBERRIES (1):

Name	Station #	Parentage	Year
Fredonia	388	Unknown English var. o.p.*	1926

GRAPES (55):

Name	Station #	Parentage	Year
Alden	13035	Ontario x Grosse Guillaume	1952
Athens	12046	Hubbard x Portland	1938
Bath	18149	Fredonia x (Chass. Rose Violet x Mills)	1952
Brocton	3345	Brighton x (Winchell x Diamond)	1919
Bronx Seedless	12583	NY 8536 (Goff x Iona) x Sultanina	1937
Buffalo	10830	Herbert x Watkins	1938
Canada Muscat	17806	Muscat Hamburg x Hubbard	1961
Canadice (seedless)	45625	Bath x Himrod	1977
Cayuga White	33403 (GW3)	Seyval x Schuyler	1972
Chardonel	GW9	Seyval x Chardonnay	1991
Corot noir	70.0809.10	Seyve Villard 18-307 x Steuben	2006
Dunkirk	2569	Brighton x Jefferson	1920
Eden	11737	Ontario x (Triumph x Mills)	1938
Einset Seedless	63.878.1	Fredonia x Canner (Hunisa x Sultanina)	1985
Erie	Gladwin 100	(Goff x Worden) x Worden	1932
Fredonia	Gladwin 15	Champion x Lucile	1927
Glenora (seedless)	35814	Ontario x Black Kishmish	1977
Goff	797	Unknown	1906
Golden Muscat	10303	Muscat Hamburg x Diamond	1927
Geneva Red	34791 (GR7)	Buffalo x Baco noir	2003
Hanover	1458	Brighton x Niagara	1928
Hector	11456	Chasselas Rose x Brocton	1937
Himrod (seedless)	15310	Ontario x Sultanina	1952
Horizon	33472 (GW7)	Seyval x Schuyler	1982
Interlaken Seedless	15292	Ontario x Sultanina	1947
Kendaia	12341	Portland x Hubbard	1939
Keuka	9936	Chasselas Rose x Mills	1923
Lakemont (seedless)	15305	Ontario x Sultanina	1972
Marquis (seedless)	64.029.01	Athens x Emerald Seedless	1996
Melody	65.444.4	Seyval x GW 5 (Pinot blanc x Ontario)	1985
Melton	9145	Triumph x [(Winchell x Diamond) x Jefferson]	1923
Naples	17594	Delaware x (Mills x Iona)	1952
New York Muscat	12997	Muscat Hamburg x Ontario	1961
Noiret	73.0136.17	NY65.0467.08 x Steuben	2006
Ontario	95	Winchell x Diamond	1908
Pontiac	4265	Herbert x Worden	1922
Portland	4393	Champion x Lutie	1912
Remaly Seedless	65.085.1	Lady Patricia x NY 33979	1980
Ripley	98	Winchell x Diamond	1912
Romulus (seedless)	15291	Ontario x Sultanina	1952
Ruby	11678	Keuka x Ontario	1938
Schuyler	13920	Zinfandel x Ontario	1947
Seneca	10513	Lignan blanc x Ontario	1930
Sheridan	4272	Herbert x Worden	1921
Steuben	12696	Wayne x Sheridan	1947
Stout Seedless	10918	(Triumph x Dutchess) x Sultanina Rose	1930
Suffolk Red (seedless)	21572	Fredonia x Black Kishmish	1972
Traminette	65.533.13	J.S. 23-416 x Gewürztraminer	1996
Urbana	3518	Governor Ross x Mills	1912
Valvin Muscat	62.0122.01	Couderc 299-35 x Muscat Ottonel	2006
Van Buren	Gladwin 3000	Fredonia x Worden	1935
Watkins	7588	Mills x Ontario	1930
Wayne	7606	Mills x Ontario	1927
Westfield	Gladwin 200	Herbert x Concord Seedless	1935
Yates	11683	Mills x Ontario	1937

*o.p. = open pollination

NECTARINES (3):

Name	Station #	Parentage	Year
Hunter	50	Hunter No. 1 o.p.*	1924
Morton	884	(New Boy x Schumaker) o.p.*	1965
New Yorker (white flesh)	1017	Livingstone x Greensboro o.p.*	1967

PEACHES (2):

Name	Station #	Parentage	Year
Brighton	2622	Sunhigh x Redhaven	1972
Eden (white flesh)	1466	Champion x Raritan Rose	1972

PEARS (14):

Name	Station #	Parentage	Year
Aurora	7620	Marguerite Marrilat x Bartlett	1964
Canadice	1359	Seckel o.p.*	1920
Cayuga	272	Seckel o.p.*	1920
Caywood	624	Seckel o.p.*	1938
Chapin	783	Seckel o.p.*	1945
Clyde	841	Seckel o.p.*	1932
Covert	1629	Bartlett x Dorset	1935
Early Seckel	104	Seckel o.p.*	1935
Gorham	1544	Bartlett x Josephine de Malines	1923
Highland	10274	Bartlett x Cornice	1974
Ovid	1606	Bartlett x Dorset	1931
Phelps	1633	Winter Nellis x Russet Bartlett	1925
Pulteney	1622	Winter Nellis x Russet Bartlett	1925
Willard	1616	Bartlett x Dorset	1931

PLUMS (17):

Name	Station #	Parentage	Year
Albion	33	Golden Drop x Grand Duke	1929
American Mirabelle	219	Imperial Epineuse x Mirabelle	1925
Blues Jam™	9041 (58.904.1)	Furst o.p.*	2005
Castleton	66.609.4	Valor x Iroquois	1993
Geneva Mirabelle™	858	American Mirabelle o.p.*	2005
Hall	37	Golden Drop x Grand Duke	1923
Iroquois	797	Italian Prune x Hall	1966
Jam Session™	111 (58.911.1)	Late Muscatel o.p.*	2005
Longjohn	66.601.1	Iroquois x Ca4A33L	1993
Mohawk	795	Italian Prune x Hall	1966
NY6™	66.609.6	Valor x Iroquois	2002
NY9™	58.900.9	Standard x Stanley	2002
Oneida	826	Albion x Italian Prune	1966
Polly	65.363.1	Oneida o.p.*	1993
Rosy Gage™	101 (77.610.1)	Imperial Epineuse o.p.*	2005
Seneca	981	Italian Prune x Prinlew	1972
Stanley	274	Agen x Grand Duke	1926

RASPBERRIES (41):

Name	Station #	Parentage	Year
Allen (black)	30001	Bristol x Cumberland	1963
Amber (yellow)	18673	Taylor x Cuthbert	1950
Brandywine (purple)	905	NY 6731 x Hilton	1976
Brant (purple)	806	Smith No. 1 x June	1926
Bristol (black)	2635	Watson No. 1 x Honeysweet	1934
Cayuga (red)	286	June x Cuthbert	1922
Clyde (purple)	245	Bristol x NY 17861	1961
Crimson Giant	99-45	Titan x NY950	2011
Crimson Night	03-56	(Fallgold x NY116) x Boyne o.p.	2012

RASPBERRIES, continued:

Name	Station #	Parentage	Year
Double Gold	04-25	(NY116 x Fallgold) x Goldie	
Donboro (red)	69	Loudon x Marlboro	1908
Dundee (black)	459	Smith No. 1 x Palmer	1927
Encore (red)	7	Canby x Cherokee	1998
Evans (black)	2609	Watson Prolific x Honeysweet	1935
Heritage (red)	696	(Milton x Cuthbert) x Durham	1969
Hilton (red)	183	Newburgh x St. Walfried	1965
Huron (black)	27189	Rachel x Dundee	1965
Jewel (black)	628	NY 29773 (Bristol x Dundee) x Dundee	1973
June (red)	45	Loudon x Marlboro	1909
Indian Summer (red)	8126	NY 1950 (Empire x Herbert) x Lloyd George	1936
Louboro (red)	48	Loudon x Marlboro	1908
Marcy (red)	5220	Lloyd George x Newman	1936
Marion (purple)	10722	Bristol x NY 2585 (Newman x Herbert)	1937
Marlative (red)	80	Marlboro x Superlative	1908
Marldon (red)	64	Marlboro x Loudon	1908
Milton (red)	13618	Lloyd George x Newburgh	1942
Monroe (red)	2568	Newman x Cuthbert	1932
Naples (black)	3211	Honeysweet x Rachel	1931
Newburgh (red)	2588	Newman x Herbert	1929
Ontario (red)	122	NY 94 (Superlative x Loudon) x self	1918
Owasco (red)	287	June x Cuthbert	1922
Prelude (red)	1009	NY 817 [Hilton x NY 600 (Durham x September)] x Hilton	1998
Royalty (purple-red)	632	NY 253 (Cumberland x Newburgh) x NY 17861 (Newburgh x Indian Summer)	1982
Ruby (cultivar)	114	Heritage x Titan	1988
Watson (red)			
Seneca (red)	284	June x Cuthbert	1922
September (red)	17438	Marcy x Ranere	1947
Sodus (purple)	12417	Dundee x Newburgh	1935
Titan (red)	883	Hilton x NY 598 (Newburgh x St. Walfried)	1985
Taylor (red)	5555	Newman x Lloyd George	1935
Ulster (red)	2490	Herbert x June	1933
Webster (purple)	449	Smith No. 1 x unknown purple	1926

STRAWBERRIES (42):

Name	Station #	Parentage	Year
Addison	1310	President x Marshall	1918
Alden	1311	President x Marshall	1918
Angola	1314	President x Marshall	1918
Arcade	1329	President x Marshall	1918
Argyle	1334	President x Marshall	1918
Ashton	1341	President x Marshall	1918
Athens	1345	President x Marshall	1918
Aurora	1384	Prolific o.p.*	1918
Beacon	1564	President x Marshall	1923
Bliss	1695	Chesapeake x Atkins Continuity	1923
Boquet	1730	Chesapeake x Pan American	1923
Caldeonia	4869	Marshall x Howard	1931
Camden	4792	Marshall x Howard	1931
Canoga	1362	NY 1123 (Senga Sengana Midland) x Holiday	1979
Cato	4803	Marshall x Howard	1931
Catskill	4435	Marshall x Howard	1933
Clermont	4281	Marshall x Howard	1931
Clancy	304B	MDUS4774 x MDUS5199	2003
Culver	4799	Marshall x Howard	1931
Dresden	10183	Deacon x Howard	1939
Eden	24248	Dresden x Fairfax	1952
Empire	25460	Dresden x Sparkle	1951

*o.p. = open pollination

STRAWBERRIES, continued:

Name	Station #	Parentage	Year
Erie	28340	Sparkle x Howard	1951
Essex	7225	Howard x Deutsch Evern	1951
Fletcher	423	Midland x Suwannee	1959
Fortune	386	USDA 2827 x self	1961
Frontenac	96	Erie x (Fairfax x Dresden)	1959
Fulton	233	Starbright x Pathfinder	1959
Gala	418	Midland x Suwannee	1966
Garnet	430	Midland x Suwannee	1965
Geneva	547	NY 316 x Redrich	1961
Herriot	99-21	NYUS299 x Winona	2011
Holiday	1144	Raritan x NY 844	1972
Honeoye	1409	Vibrant x Holiday	1979
Hunn	198	Unknown	1894
Jewel	1324	NY 1221 x Holiday	1985
L'Amour	1829	(MDUS5252 x Etna) x Cavendish	2003
Magnus	1235	Hunn x Marshall	1910
Walker	99-15	NYUS299 (Blomdon x MNUS15) x NY1674 (Earliglow x NY1424)	2011
(marketed under Purple Wonder™)			
Prolific	1244	Sample x Marshall	1908
Quality	1258	Hunn x Atlantic	1910
Seneca	1529	NY 1261 x Holiday	1991

*o.p. = open pollination

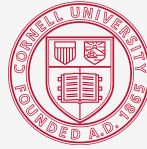
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