

# New York's Food and Life Sciences Bulletin

New York State Agricultural Experiment Station, a Division of the New York State College of Agriculture and Life Sciences  
A Statutory College of the State University, at Cornell University

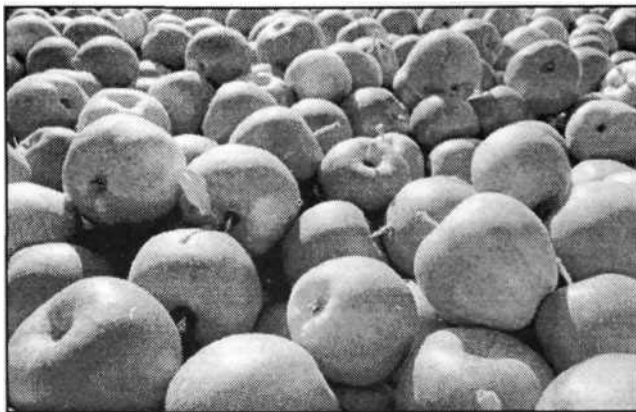
## List of Fruit Varieties

*Named at the New York State Agricultural Experiment Station*

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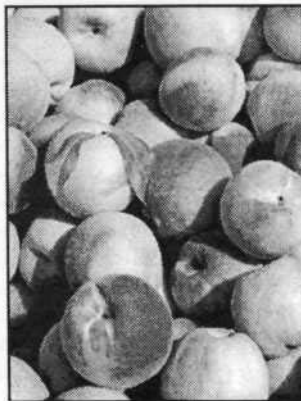
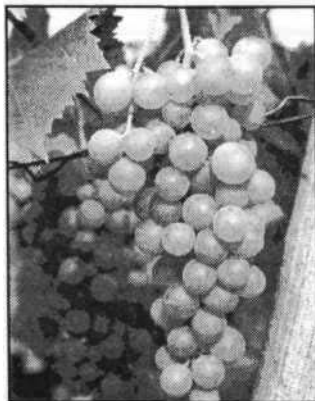
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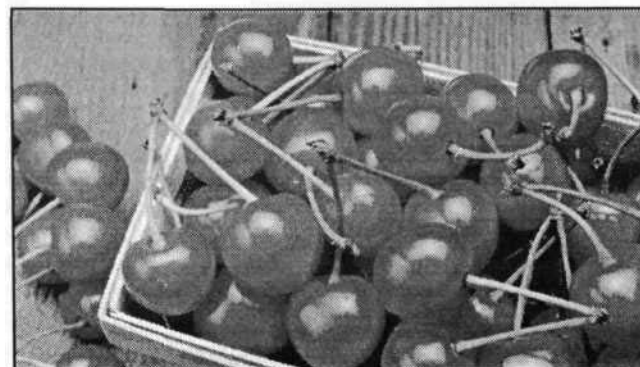


Scientists at the New York State Agricultural Experiment Station in Geneva, NY, have introduced 241 new fruit varieties since the Station's founding in 1880. Many of these cultivars are grown commercially in New York State, but are also important in other regions of the United States and internationally.

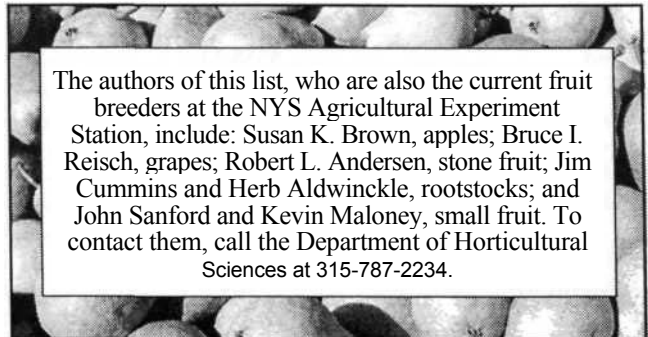
Cornell's fruit breeders have as a goal the development of superior fruit cultivars. Fruit quality (for fresh and processed products), insect and disease resistance, tolerance to cold weather, productivity, and the growth habit of trees or vines are just some of the attributes being improved. Collaboration with other departments at the Station and at Ithaca is a strength of these programs. Most of our programs benefit from international projects as well.



Traditional plant breeding techniques will always play an important part in variety development, but, increasingly, molecular techniques such as marker assisted selection are aiding genetic improvement. Advances in transformation and regeneration systems have resulted in transgenic plants in apple scion varieties and rootstocks and in grape scion varieties. In the future, new cultivars and improvements of existing cultivars will help meet industry needs and provide consumers with superior products.



The authors of this list, who are also the current fruit breeders at the NYS Agricultural Experiment Station, include: Susan K. Brown, apples; Bruce I. Reisch, grapes; Robert L. Andersen, stone fruit; Jim Cummins and Herb Aldwinckle, rootstocks; and John Sanford and Kevin Maloney, small fruit. To contact them, call the Department of Horticultural Sciences at 315-787-2234.



Name	Station No.	Parentage	Date of Introduction
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## Apples (63)

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

Name	Station No.	Parentage	Date of Introduction
Van Eseltine (ornamental)	11903	M. amoldiana x M. spectabilis	1937
Wayne	44420-1	N. W. Greening x Red Spy	1962
Webster	2987	Sta. 26 x Sta. 19 (Ben Davis x Jonathan)	1938
Wellington	4747	Cortland x Crimson Beauty	1955
Westchester	94	Ben Davis x Green Newton	1914

### ***Apple Rootstocks (5)***

Novole	613	<i>Malus prunifolia</i> o.p. (P.I. 286613)	1982
Geneva 65		M.27 x Beauty Crab	1991
Geneva 11		M.26 x Robusta 5	1993
Geneva 30		Robusta 5 x M.9	1994
Geneva 16		Ottawa 3 x <i>M.floribunda</i>	1996

### ***Apricots (3)***

Alfred	345	Doty o.p. x Geneva	1965
Farmingdale	346	Doty o.p. x Geneva	1965
Geneva		Frascato (FPI 34265)	1934

### ***Blackberries (3)***

Bailey		Unknown	1950
Darrow	24338	NY 15826 (Eldorado x Brewer) x Hedrick	1958
Hedrick	15827	Eldorado x Brewer	1950

### ***Cherries (13)***

Geneva SC88	13688	Emperor Francis x Stella	1997
Geneva SC91	13791	StarkGold x Stella	1997
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
Oswego		Unknown Mazzard	
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	12716	Borchert Black Sour x NY 6935	1993
Ulster	1519	Schmidt x Lambert	1964

### ***Elderberries (1)***

York	12	Adams #2 x Ezyof f	1964
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### ***Gooseberries (1)***

Fredonia	388	Unknown English var. o.p.	1926
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### ***Grapes (52)***

Alden (blue)	13035	Ontario x Grosse Guillaume	1952
Athens (blue)	12046	Hubbard x Portland	1938
<b>Bath (blue)</b>	18149	Fredonia x (Chass. Rose Violet x Mills)	1952
Brocton (white)	3345	Brighton x (Winchell x Diamond)	1919
<b>Bronx</b> Seedless (red)	12583	NY 8536 (Goff x Iona) x Sultanina	1937
<b>Buffalo (blue)</b>	10830	Herbert x Watkins	1938
<b>Canada</b> Muscat (white)	17806	Muscat Hamburg x Hubbard	1961
Canadice (seedless)	45624	Bath x Himrod	1977
Cayuga <b>White</b> (wine)	33403 (GW3)	Seyval x Schuyler	1972
Chardonel ( <b>wine</b> )	GW9	Seyval x Chardonnay	1991

Name	Station No.	Parentage	Date of Introduction
Dunkirk (red)	2569	Brighton x Jefferson	1920
Eden (blue)	11737	Ontario x (Triumph x Mills)	1938
Einset Seedless (red)	63.878.1	Fredonia x Canner (Hunisa x Sultanina)	1985
Erie (blue)	Gladwin 100	(Goff x Worden) x Worden	1932
Fredonia (blue)	v Gladwin 15	Champion x Lucile	1927
Glenora (seedless)	35814	Ontario x Russian Seedless	1977
Goff (red)	797	Unknown	1906
Golden Muscat (white)	10303	Muscat Hamburg x Diamond	1927
Hanover (red)	1458	Brighton x Niagara	1928
Hector (red)	11456	Chasselas Rose x Brocton	1937
Himrod (seedless)	15310	Ontario x Sultanina	1952
Horizon (white)	33472 (GW7)	Seyval x Schuyler	1982
Interlaken Seedless (white)	15292	Ontario x Sultanina	1947
Kendaia (black)	12341	Portland x Hubbard	1939
Keuka (red)	9936	Chasselas Rose x Mills	1923
Lakemont (seedless)	15305	Ontario x Sultanina	1972
Marquis (seedless)	64.029.01	Athens x Emerald Seedless	1996
Melody (white)	65.444.4	Seyval x GW 5 (Pinot blanc x Ontario)	1985
Melton (white)	9145	Triumph x [(Winchell x Diamond) x Jefferson]	1923
Naples (red)-	17594	Delaware x (Mills x Iona)	1952
New York Muscat (blue)	12997	Muscat Hamburg x Ontario	1961
Ontario (white)	95	Winchell x Diamond	1908
Pontiac (blue)	4265	Herbert x Worden	1922
Portland (white)	4393	Champion x Lutie	1912
Remaily Seedless	65.085.1	Lady Patricia x NY 33979	1980
Ripley (white)	98	Winchell x Diamond	1912
Romulus (seedless)	15291	Ontario x Sultanina	1952
Ruby(red)	11678	Keuka x Ontario	1938
Schuyler (blue)	13920	Zinfandel x Ontario	1947
Seneca (white)	10513	Lignan blanc x Ontario	1930
Sheridan (blue)	4272	Herbert x Worden	1921
Steuben (blue)	12696	Wayne x Sheridan	1947
Stout Seedless (white)	10918	(Triumph x Dutchess) x Sultanina Rose	1930
Suffolk Red (seedless)	21572	Fredonia x Russian Seedless 136	1972
Traminette (wine)	65.533.13	J.S. 23-416 x Gewürztraminer	1996
Urbana (red)	3518	Governor Ross x Mills	1912
Van Buren (blue)	Gladwin 3000	Fredonia x Worden	1935
Watkins (red)	7588	Mills x Ontario	1930
Wayne (blue)	7606	Mills x Ontario	1927
Westfield (red) [discarded]	3516	Collier x Mills	1912
Westfield (blue)	Gladwin 200	Herbert x Concord Seedless	1935
Yates (red)	11683	Mills x Ontario	1937

### *Nectarines (3)*

Hunter	50	Hunter No. 1 o.p.	1924
Morton	884	(New Boy x Schumaker) o.p.	1965
New Yorker	1017	Livingstone x Greensboro o.p.	1967

### *Peaches (2)*

Brighton	2622	Sunhigh x Redhaven	1972
Eden	1466	Champion x Raritan Rose	1972

### *Pears (14)*

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

Name	Station No.	Parentage	Date of Introduction
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 (11)*

Albion	33	Golden Drop x Grand Duke	1929
American Mirabelle	219	Imperial Epineuse x Mirabelle	1925
Castleton	66.609.4	Valor x Iroquois	1993
Hall	37	Golden Drop x Grand Duke	1923
Iroquois	797	Italian Prune x Hall	1966
Longjohn	66.601.1	Iroquois x Ca4A33L	1993
Mohawk	795	Italian Prune x Hall	1966
Oneida	826	Albion x Italian Prune	1966
Polly	65.363.1	Oneida o.p.	1993
Seneca	981	Italian Prune x Prinlew	1972
Stanley	274	Agen x Grand Duke	1926

### *Raspberries (37)*

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
Donboro (red)	69	Loudon x Marlboro	1908
Dundee (black)	459	Smith No. 1 x Palmer	1927
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
Royalty (purple-red)	632	NY 253 (Cumberland x Newburgh ) x NY 17861 (Newburgh x Indian Summer)	1982
Ruby (cultivar Watson) (red)		Heritage x Titan	1988
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

Name	Station No.	Parentage	Date of Introduction
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 (38)*

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 x Midland) x Holiday	1979
Cato	4803	Marshall x Howard	1931
Catskill	4435	Marshall x Howard	1933
Clermont	4281	Marshall x Howard	1931
Culver	4799	Marshall x Howard	1931
Dresden	10183	Deacon x Howard	1939
Eden	24248	Dresden x Fairfax	1952
Empire	25460	Dresden x Sparkle	1951
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
Holiday	1144	Raritan x NY 844	1972
Honeoye	1409	Vibrant x Holiday	1979
Hunn	198	Unknown	1894
jewel	1324	NY 1221 x Holiday	1985
Magnus	1235	Hunn x Marshall	1910
Prolific	1244	Sample x Marshall	1908
Quality	1258	Hunn x Atlantic	1910
Seneca	1529	NY 1261 x Holiday	1991

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