

APPLE PEDIGREES

or

hey 'Wayne,' whose your momma and
poppa?

(Momma) 'Northwestern Greening' x **(Poppa)** 'Red Spy,' New York State
Agriculture Research Station, Geneva, New York, introduced, 1962

APPLE PEDIGREES

Apple Pedigrees – Over 780 pedigrees listed. Knowing the parents of apple varieties, in that the parents usually will not pollinate the offspring. Example: Summerred - McIntosh x Golden Delicious, K. O. Lapins, Canadian Department Agricultural Research Station, Summerland, British Columbia, Canada, introduced, 1964. McIntosh and Golden Delicious should not be used to pollinate Summerred.

The primary objective of state and world apple breeding programs is one of developing cultivars with improved commercial characteristics. Recently, especially in the European Union, disease and pest resistance is being pursued. Many of the finest apples from these breeding programs eventually fail commercial tests and are now virtually unavailable, unless the fruit lover grows trees in their own backyard. When two varieties are crossed the female parent is always shown first. That just means that the apple grew on the female variety and the pollen that fertilized it came from the male variety. Often one of the parents of a cross has outstanding characteristics, yet is difficult to grow (i.e., Cox's Orange Pippin, the fruit cracks, or McIntosh, cursed with premature fruit drop). Progeny of a cross, using one of these varieties as a parent, may result in good taste without growing difficulties. You may elect to try growing that cultivar.

Knowing the pedigree of a fruit may help overcome a potential pollination problem. In general, do not use the parent to pollinate the first generation offspring, they are not cross fruitful. For example, Golden Delicious and Idared would not be used as pollinators for Arlet (Swiss Gourmet) because they are parents of Arlet.

The pedigree crosses use the following format, cultivar name (bold), female pollen parent x male pollen parent, place of origin and introduction.

The following is a partial alphabetical listing of genetic crosses that have produced apples that have merit and selected to be propagated.

Acme – Worcester Pearmain x Rival possibly pollinated by Cox's Orange Pippin, W. P. Seabrook & Sons, Boreham, Essex, UK, 1944

Adanac – Heyer 12 x Battlford, USA

Adersleber Calville– Calville Blanc d'Hiver x Gravenstein, c1870, Lichtard, Adersleber, Saxony, Germany

Advance – Coxs Orange Pippin x Gladstone, 1908, Laxton Brothers Ltd., Bedford, UK, introduced, 1928

Advance – Columbia x Wealthy, 1944, Dr. C. F. Patterson, University of Saskatchewan, introduced, 1959

Agori #1 – Jonathan x McIntosh, Aomori Apple Experiment Station, Aomori, Japan, introduced, 1953

Akane – Jonathan x Worcester Pearmain, 1937, Morioka Experiment Station, Japan, introduced, 1970

Akibae – Senshu x Tsugaru, T. Odagiri, grower in Nagano, Japan, patented, Japan, 1993

Akita Gold – Golden Delicious x Fuji, 1974, Experiment Station, 65 Aza-Kaidoshita, Daigo, Hiraka-Machi, Hiraka-gun, Akita-ken, Japan. Akita Prefecture, Japan, patented, 1993

Alfa 68 – Belle de Boskoop x Filippa, 1936, Agriculture College, Alnarp, Sweden, introduced, 1958

Alice – Ingrid Marie x, 1943, H. Jensen, Balsgård Fruit Breeding Institute, introduced, 1951

Alkmene – Coxs Orange Pippin x Doktor Oldenburg, 1930s, M. Schmidt, Kaiser Wilhelm Institute, Mückeberg, Germany

Allington Pippin – Coxs Orange Pippin x King of Pippins, before 1884, Thomas Laxton, Lincolnshire, UK, introduced, 1896

Alnarps Favourite (Favorite) – McIntosh x Alfa 68, 1945, Agriculture College, Alnarp, Sweden, selected, 1967

Almata – (Beautiful Arcade x Fluke 38 Crab) x Red Flesh, Dr. Neils Hansen, South Dakota Experiment Station, introduced, 1942

Alps–Cotone – Jonathan x Fuji, K. Hatakoshi, Nagamo Station, Prefectural Fruit Tree Experiment Station, Japan

Alton – Early McIntosh x New York 845 (Red Canada x Yellow Transparent), 1923, R. Wellington, New York State Agriculture Experiment Station, Geneva, New York, introduced, 1938

Ambitious – Toko open pollinated, Aomori Apple Experiment Station, Aomori, Japan, introduced 1985

Amanishiki – Ralls Janet x Indo, 1936, Aomori Apple Experiment Station, Japan, introduced, 1948

Ames – Allen Choice x Perry Russet, H. L. Lantz, Iowa Experiment Station, Ames, Iowa, introduced, 1921

Amorosa – Ingrid Marie x Fillippe, colored sport of Aroma originating, Sweden

Ancuta – Johathan x Sugag, Nagamo Station, Prefectural Fruit Tree Experiment Station, Japan

Angold – Antonovka x Golden Delicious, Research Breeding Institute, of Pomology, Holovousy, Ltd. Horice, Czech Republic, prior to 1993

Anna Boelens – Cox's Orange Pippin x Freiherr von Berlepsch, prior to 1945

Anoka – Mercer x Duchess, South Dakota Experiment Station, USA

Aori – Toko x Richard Delicious, originating from Aomori Apple Research Station, Japan

Aori-9 – Akane x Orin, originating from Aomori Apple Research Station, Japan

Aori-13 – Sekai Ichi x Akane, originating from Aomori Apple Research Station, Japan

Appel van Paris – Brabant Bellefleur x Jonathan, 1935, Sprenger Instituut voor de Veredeling van Tuinbouwgewassen Wageningen, Netherlands

Ardelan – Jonathan x Peasgood Nonsuch, Romania

Ariane® – complex hybrid cross by Y. Lespinasse, 1979, involving Florina, Prima and Golden Delicious, to promote disease resistance, INRA Angers, France, introduced, 2001

Ariwa – Golden Delicious x Selection A849-5, Federal Research Station Wädenswil, Wädenswil, Switzerland, introduced, 1996

Arkcharm – Prima x Hybrid 36055, University of Arkansas, USA

Arlet (Swiss Gourmet) – Golden Delicious x Idared, Federal Research Station Wädenswil, Wädenswil, Switzerland, introduced, 1984



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