

Jersey.

The following were donated by Rutgers Fruit Research Center, Cream Ridge, New Jersey 08514, United States. Received 08/29/1988.

PI 589966. *Malus domestica* Borkh.
Puregold.

PI 589967. *Malus domestica* Borkh.
Lurared.

The following were developed by James E. Miller, Department of Soybean Breeding, 7301 N.W. 62nd Avenue, P.O. Box 85, Johnston, Iowa 50131-0085, United States. Donated by Rutgers Fruit Research Center, Cream Ridge, New Jersey 08514, United States. Received 08/29/1988.

PI 589968. *Malus domestica* Borkh.
Pacific Gold. Pedigree - Chance seedling; intro. 1948; selected 1944.
Comments:: Fruit: very large; flesh tender, crisp, quite sweet, dessert quality fine, good for culinary purposes; ripens in late fall or early winter. Tree: medium size, bears young, yields heavy crops annually.

The following were developed by L. Arends. Donated by Rutgers Fruit Research Center, Cream Ridge, New Jersey 08514, United States. Received 08/29/1988.

PI 589969. *Malus domestica* Borkh.
Paulared. Pedigree - Patented 3/12/68 #2800; assigned to Hill Top Orchards and Nurseries, Inc., Hartford, Mich. Parentage unknown, sdg. discovered in 1960. Introduced 1967. Comments:: New popular early apple. Beautiful solid red blush fruit. Light to creamy, firm, crisp, juicy, mildly tart flesh. All-purpose quality. Excellent for pies and sauce. Fruit hangs well. Colors evenly throughout the tree. Can be harvested in two pickings. Requires thinning in order to maintain size and annual crops, vigorous, hardy. Ripens about 3 weeks ahead of McIntosh.

The following were donated by Rutgers Fruit Research Center, Cream Ridge, New Jersey 08514, United States. Received 08/29/1988.

PI 589970. *Malus domestica* Borkh.
Petrel.

The following were developed by L.P.S. Spangelo; S.J. Leuty; H.B. Heeney; L.L. Modderman. Donated by Rutgers Fruit Research Center, Cream Ridge, New Jersey 08514, United States. Received 08/29/1988.

PI 589971. *Malus domestica* Borkh.
Macfree. Pedigree - McIntosh x PRI48-177 (from crosses at the Univ. of Ill. involving Rome Beauty, Jonathan and M. floribunda). Cross made 1953. Intro: 1974. Selected 1963; tested as 0-532 and 53-08-02.
Comments:: Fruit: size equal to or slightly smaller than McIntosh; round to slightly conic, somewhat unequal, smooth; skin greenish-yellow ground color, covered with 75% medium to dark red; flesh white, may be some green tinge, juicy, coarse, tough; quality medium to good; ripens second week of Oct. at Trenton. Keeps 3-4 mos. Tree: spreading, vigorous, hardy, resistant to *V. inaequalis*.

The following were donated by USDA, ARS, U.S. National Arboretum, National