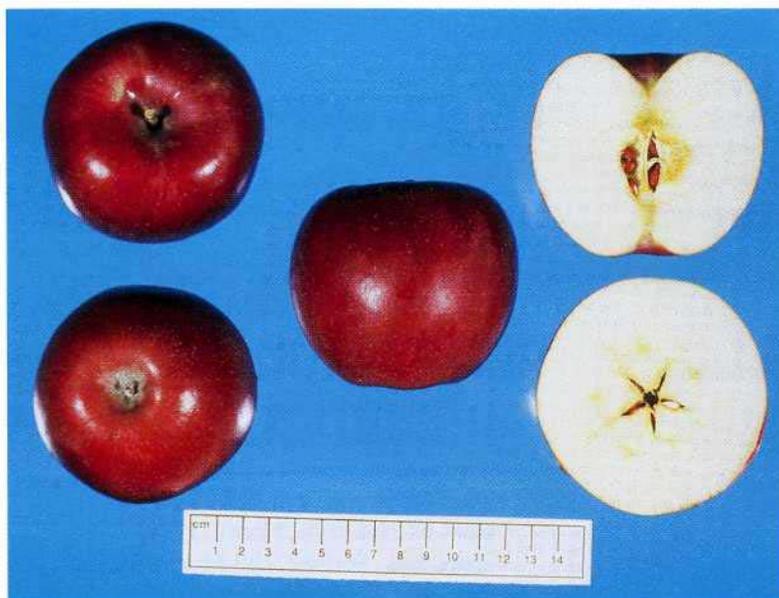


# New York's Food and Life Sciences Bulletin

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

## ' FORTUNE' APPLE

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'Fortune' is an excellent dual use variety because it is suitable for fresh and processing markets. 'Fortune' is an apple that gained high praise from growers before being officially named and introduced. In fact, it was so successful in trials throughout the United States that growers strongly requested it be named. The highly colored 'Fortune' is a hybrid of 'Schoharie Spy' x 'Empire' and it combines the desirable attributes of both parents. It provides consumers with a large attractive fruit that has good flavor and texture and can be eaten fresh or used in baking or salads. For growers, it offers a mid-season variety that resembles 'Empire' but has the processing characteristics of 'Spy', with less of the production problems of 'Spy'. The slightly spicy flavor is a sprightly blend of sugar and acid. The apple has cream-color flesh, crisp texture, and stores well.

### BACKGROUND:

Synonyms:	Tested as NY 429.
Origin:	Cross made in 1962 by Dr. Roger Way at Cornell University's New York State Agricultural Experiment Station in Geneva, New York.
Parentage:	Hybrid of 'Schoharie Spy' (aredsport of 'Northern Spy') x 'Empire'.
Patent Status:	Plant patent applied for in March 1995.

### FRUIT DESCRIPTION:

Size range:	Large to very large.
Stem length:	Short.



**Fruit shape:** Round to oblong. Attractive  
**Skin color:** burgundy red on green. Shaded fruit will have green background. Not prone to russet. Subacid and pleasantly aromatic. Cream.  
**Skin russet:** Firm, crisp and very juicy. Good, 4 to 5 months in common storage.  
**Flavor:** Flesh color: Matures with 'Empire' or slightly later. Testing is needed to determine the optimum maturity indices.  
**Texture:** Storage life: Processing tests were conducted by Cadbury Beverages and 'Fortune' was found to produce good apple sauce. It was rated as slow to oxidize, juicy, good flavor and high Brix. On the basis of these tests, Norris (1994) stated that 'Fortune' had excellent processing characteristics.  
**Storage life:**  
**Maturity date:**  
**Processing:**

### TREE CHARACTERISTICS:

**Vigor:** Vigorous and freely branching. Nitrogen management will be crucial to control vigor and reduce bitter pit problems. Performs well on dwarfing stocks, with M.9 favored by many growers. Standard.  
**Growth type:**

**Precocity:** May not be as precocious as other varieties like 'Empire'. Good annual bearer, but has shown biennial tendency if allowed to overcrop. Mid-season, with 'Red Delicious'. Any  
**Bloom season:** diploid in the same bloom season.  
**Pollination requirements:** Appears adequate. Susceptible to scab and fire blight. Biennial bearing: Will become alternate bearing if allowed to overcrop. Bitter pit: Susceptible to bitter pit, especially on young trees with a light crop. Depending on vigor and crop load, five to six sprays of calcium chloride may be needed to control this problem. Growers are referred to Stiles and Reid's (1992) orchard nutrition bulletin for soil and foliar calcium recommendations. Cracking: Susceptible to fruit cracking during some seasons. May be related to drought conditions during the growing season. Response to anti-cracking agents not known. 'Fortune' has performed well in test marketing with on-farm retail outlets. It also has been well received in supermarket testing in upstate New York. 'Fortune' is one of nineteen varieties being promoted by the New York Apple Association. Commercially available from many nurseries.  
**Marketing:** Nurseries interested in obtaining a license should contact: Mr. H. Walter Haeussler, Cornell Research Foundation, Cornell Business and Technology Park, 20 Thornwood Drive, Suite 105, Ithaca NY 14850. Phone: 607-257-1081.  
**Availability sources:**  
**Commercial status:**

### REFERENCES :

Ballard, J. 1995 (June). 'Fortune' profile sheet. Pacific Northwest Fruit Tester's Variety Characteristic Profile.  
 Norris, B. 1994. Another look at apple varieties. Cadbury Beverage Apple Grower Newsletter. November. Post Harvest Edition, p.2.  
 Stiles, W.C. and W. Shaw Reid. 1992. Orchard nutrition management. Cornell Cooperative Extension Information Bulletin 219.

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