



SUMMER PRUNING FOR THE URBAN APPLE ORCHARD

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APPLE VARIETIES FOR SAN FRANCISCO

APPLES (Low Chill Varieties)

Variety Name, # Chill Hours

- * Anna (200)
- * Dorsett Golden (100)
- * Ein Shemer (350)
- * Fuji (400)
- * Gordon (400)
- * Pettingill (100)
- * Pink Lady (4-500)
- * White Winter Pearmain (400)
- * Winter Banana (3-400)
- * Yellow Bellflower (400)

APPLES AT GFE (19 Varieties)

- * Anna (200) - *Planted 2009*
- * Braeburn (700) - *Mature*
- * Carolina Red June - *Planted 2009*
- * Cox's Orange Pippin (800) - *Planted 2008*
- * Dorsett Golden (100) - *Planted 2009*
- * Ein Shemer (350) - *Planted 2010*
- * Elstar - *Planted 2005*
- * Fuji (400) - *Planted 2004*
- * Grimes Golden - *Planted 2010*
- * Hudson's Golden Gem (800) - *Planted 2005*
- * Karmijn de Sonnaville - *Planted 2008*
- * Liberty (800) - *3 Mature Trees*
- * Mutsu (600) - *Planted 2008*
- * Pettingill (100) - *Planted 2010*
- * Pink Pearl (600) - *2 Mature Trees & 1 Planted 2007*
- * Snow Apple (Fameuse) (600) - *Planted 2009*
- * White Winter Pearmain (400) - *1 Planted 2009, 1 Planted 2010*
- * Winter Banana (3-400) - *Planted 2009*
- * Yellow Bellflower (400) - *Planted 2010*

'TRIED AND TRUE' OF SANTA CRUZ COUNTY

Golden Delicious, Gala, Chehalis, McIntosh, Hudsons Golden Gem, Mutsu, JonaGold

WHERE TO BUY FRUIT TREES / ORDERING FROM NURSERIES

Trees of Antiquity

<http://www.treesofantiquity.com/>

Bay Laurel Nursery

<http://www.baylaurelnursery.com/>

Rain Tree Nursery

<http://www.raintreenursery.com>

WHERE TO BUY FRUIT TREES LOCALLY

East Bay Nursery (*East Bay*), Harmony Farm Supply (*North Bay*), Half-Moon Bay Nursery (*South Bay*), Flora Grubb Nursery (*San Francisco*)

What Are Chill Hours?

The chilling requirement of a fruit is the minimum period of cold weather after which a fruit-bearing tree will blossom. It is commonly expressed as **chill hours**, which can be calculated in different ways, all of which essentially involve adding up the total amount of time during winter spent at certain temperatures.

*November 1 through February 28
Hours between 32 F and 45° F*

The idea is that a deciduous plant goes dormant in the cold winter to protect itself from the cold. The plant needs to stay dormant while the weather is freezing and then know how soon after it gets above freezing it can safely start growing. It must do it late enough so it doesn't get frozen back by a late frost but early enough so it can get a full season of growth and fruiting in before it must go dormant for the next year. The plant has a process, refined over millennia of evolution that tells it when to start growing in the spring and that process accounts for the amount of chilling hours it needs. - *from Rain Tree Nursery*

UC Davis Chill Hour Calculator

<http://fruitsandnuts.ucdavis.edu/chillcalc/>

ESTIMATED CHILL REQUIREMENTS FOR TYPES OF FRUIT - *from Rain Tree Nursery*

Apple 400-1800	Fig 100-200
Apricot 500-600	Mulberry 400
Japanese Pear 400-500	Peach 600-800
Citrus	Persimmon 200-400
European Pear 600-800	Plum Cot 400
European Plum 800-900	Quince 300-500

Recommended Fruit Tree Books

Home Orchard: Growing Your Own Deciduous Fruit and Nut Trees
C. INGELS, P. GEISEL, M. NORTON, UC ANR, 2007

The Apple Grower: Guide for the Organic Orchardist
Michael Phillips, Chelsea Green, 2005

The Backyard Orchardist: A Complete Guide to Growing Fruit Trees in the Home Garden, Stella Otto, Ottographics, 1995

Where to See / Visit Fruit Trees in San Francisco Bay Area

San Francisco - *Aleman Farm, Hayes Valley Farm, Garden for the Environment, 18th & Rhode Island Garden*

South Bay - *UCSC Farm and Garden*

North Bay - *Sonoma Garden Park*

GARDEN FOR THE ENVIRONMENT

www.gardenfortheenvironment.org