

# **NAVEL ORANGES: Newhall**

**FRUIT:** Seedless. Elongated shape. 3.3 to 3.5 inches equates to 48 to 56 box count. Medium thick rind with deep reddish-orange color. Juicy. Excellent flavor.

**TREE:** Medium-size tree with vigorous growth habit. Good production of large fruit.

**HARVEST SEASON:** Mid-October to February

**PROS:** Early sugar-acid ratio and color break. Large fruit with attractive color and excellent flavor. Good returns because of size. Responds well to ethylene gassing.

**CONS:** Elongated shape sometimes very pronounced. Subject to green spotting if picked too early.

**COMPATIBLE ROOTSTOCKS:** Carrizo, C-35 Citrange, Trifoliates, Citrumelos and Rough Lemon.

## **RECOMMENDED SPACINGS:**

Standard: 15-17' x 20'; 20' x 20'

Double-planting Standard: 8' x 20'; 10' x 20'

C-35: 15' x 18'; 16' x 18'; 18' x 18'

Double-Planting C-35: 8' x 18'; 9' x 18'

**HISTORY:** Newhall originated as a limb sport of old line navel near Duarte, California and was first propagated by Mr. Paul Hackney of Newhall Land and Water Co., in Piru, California. An improved virus-free seedling budline was developed by Dr. Bitters at the Citrus Research Center at University of California at Riverside, California and was made available to nurseries for propagation in 1988.

**OTHER OBSERVATIONS:** Newhall is an early season navel, which develops early sugar/acid ratio and deep reddish-orange rind color at and immediately following color break. Newhall responds well to light gassing but is prone to green spotting on the rind if picked too early. Even though the fruit matures early, it does store well on the tree for a later mid-season harvest. Generally the fruit is harvested in mid to Late October in the Southern San Joaquin Valley and in warmer microclimates of the central valley and lasts until February. Newhall has become a commercially important variety in the California citrus industry and world market. The fruit is well accepted by buyers because of its attractive color, excellent flavor, early maturity and export potential.