

Big Projects Vineyard

I chose four kinds of grapevine nursery stock (Flame, Princess Seedless, Summer Muscat, and Crimson Seedless) shown below and got one-year-old potted dormant stocks (27 Flame, 18 Princess Seedless, 25 Summer Muscat, and 34 Crimson Seedless, total 104) from Duarte Nursery located at 1555 Baldwin Rd, Hughson, CA, near city of Modesto, in February, 2007. The sales price was \$4.25 per stock plus \$1.50 shipping per stock. Total expense is \$600.

Flame

Medium red
Seedless table/raisin grape
Crisp and sweet
Very vigorous and productive
Very good flavor and excellent grape
Ripens: Late July

Princess Seedless

Large white
Seedless table/raisin grape
Sweet with a slight Muscat flavor
Holds well on vine
Best for fresh eating and raisins
Ripens: Mid to late August

Summer Muscat

Green
Seedless table/raisin grape
Sweet, strong, Muscat flavor
Eaten fresh, dried and sweet dessert wines
Vigorous grower
Ripens: Mid August

Crimson Seedless

Large red
Seedless table grape
Medium sized clusters of firm and crisp fruit with a sweet flavor
Holds well on vine
Ripens: October



Dormant Grape Nursery Stocks Delivered

Tools



Table Saw



Circular Saw



10 Gauge Galvanized High-tensile Wire, Wire Cutter, Single Barbed Staples, Internal Spring-loaded Wire Clamps, Wire Sleeves, & Crimp Tool



24" Four Blades Tiller

100 pieces of T-posts and 18 pieces of side posts were made from 43 pieces of 4" x 4" x 8' brown stained pressure-treated timbers cutting out by table saw shown above and circular saw.

A T-post consists of a vertical bar (2" x 2" x 6') and a horizontal bar (2" x 2" x 2') to support 5 trellis wires. Both T-post bars were cut out from 4" x 4" x 8' pressure-treated timbers by using table saw.

A side post consists of a vertical bar (4" x 4" x 6') and a horizontal bar (4" x 4" x 2') to make a tension of 5 trellis wires. Side post bars were cut out from 4" x 4" x 8' pressure-treated timbers by using circular saw.



Side Post & T-Posts with 5 Wires Termination by Wire Sleeves



Side Post & T-Posts with 5 Wires Termination by Wire Clamps



Spinning Jenny for Smooth Long Range Wiring



Wire Termination by Wire Sleeve and Barbed Staples



Whole Wiring Done



Grape Nursery Stock Planted

Construction



Deploying Side Posts after Whole T-Posts Settled

Irrigation



1" PVC piping for water drip line at sloping ground needs a certain special pipe fitting technique.

Side Post



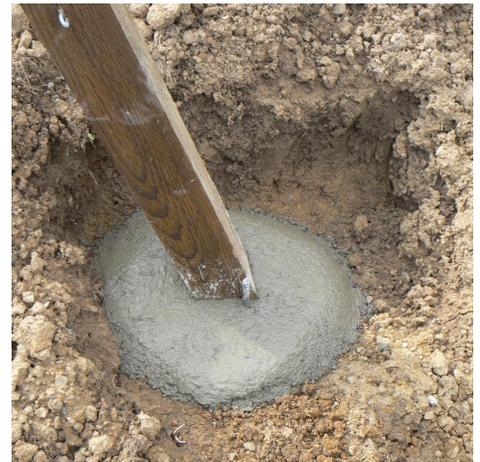
Self Support of Slanted Side Post



Two Rebars Support Side Post



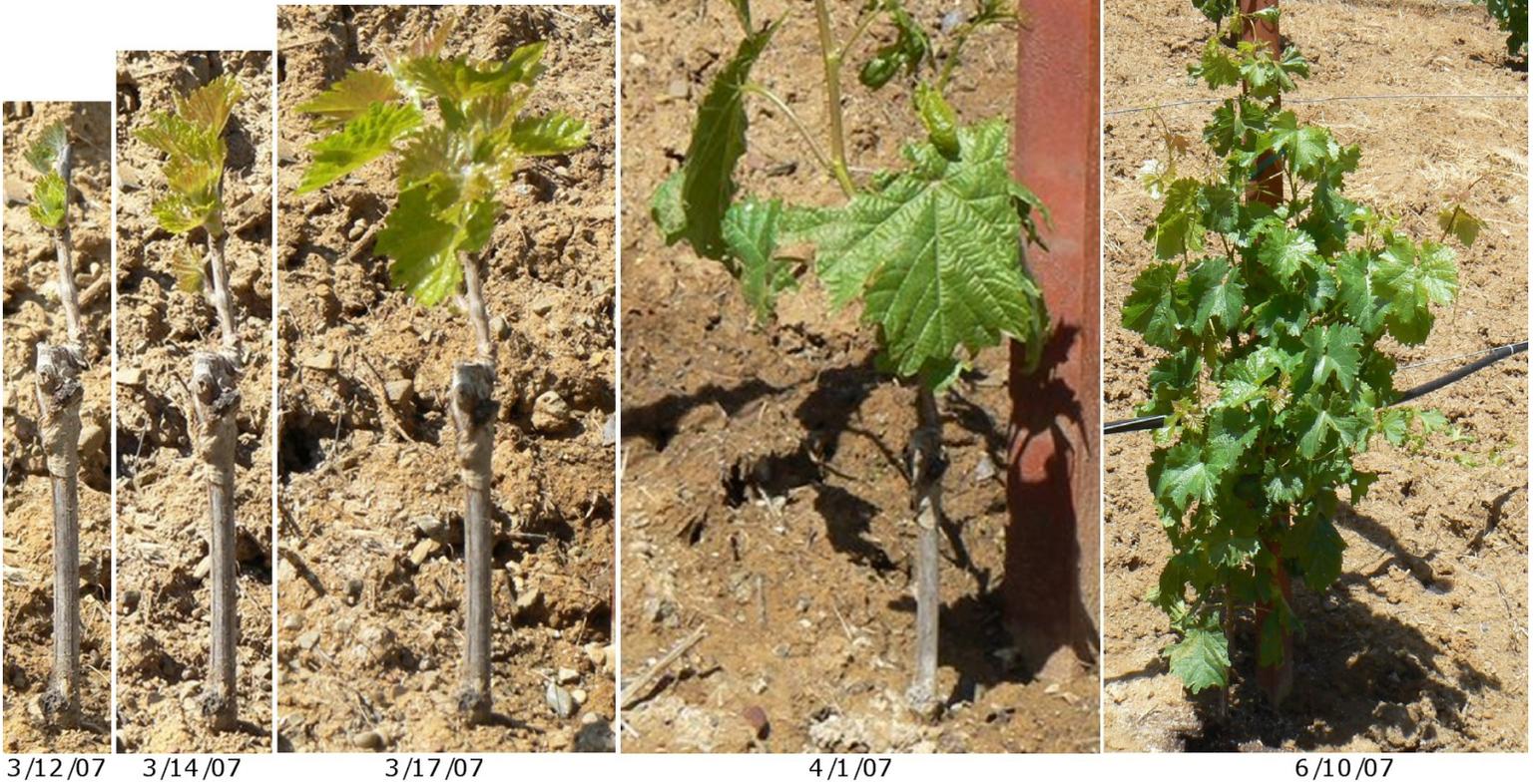
Equipment Prepared for Concrete Work at High Sloping Ground



Side Post Fixed by Concrete

Actual Result

Crimson 4th Tier Lower Right #10



After planting nursery stock in February, 2007, it grew vigorously and quickly.

In July next year (2008), we got big harvest from all four kinds of vine (Flame, Muscat, Princess, and Crimson).



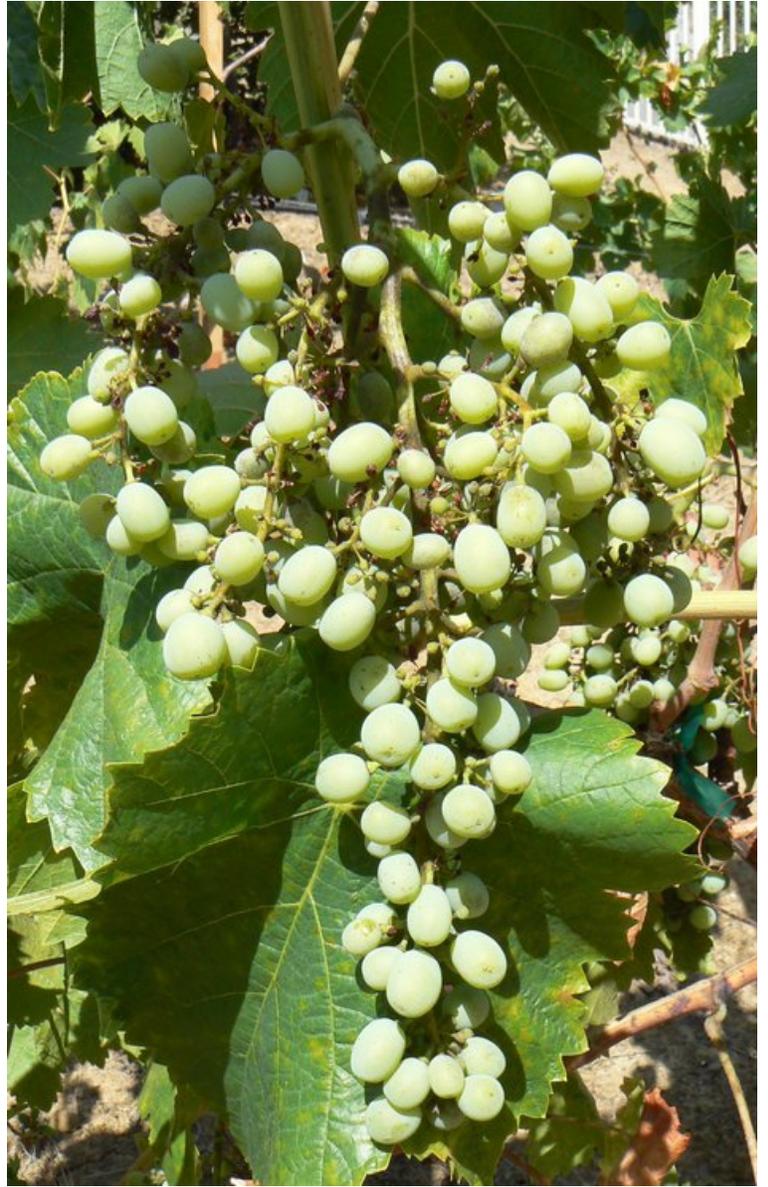
Flame_UL1_071908



Muscat_UR6_071908



Princess_UR3_071908



Crimson_LR1_071908



Regular steamer



Grape Juice Produced

Producing grape juice by pressure cooker

Pressure cooker makes 900cc grape juice from 1,040 gram grapes steaming under high pressure for 20 minutes and leave for one night to drip down and get more juice by gravity and atmospheric pressure. The yield is 90%. Regular steamer approach takes over 60 minutes with smaller yield due to low pressure.



Steam pan & ceramic dish (200cc water)



Juice pan with spacer & grape pan with many small holes



Ceramic dish, Steam pan, Juice pan, & Spacer stacked



Grape pan stacked over



Pressured steaming



Done