Disease-free meristem plant



Photo courtesy C. Gaines

Effect of nursery location, chilling and dig date on plant vigor



Warmer nursery ⟷ Colder nursery

Relationship between high elevation nursery temperatures, dig date, and plant vigor



Plants dug 10 Sept. with 12h of chilling

Plants dug Oct. 1 with 160h of chilling

Plants dug Oct. 17 with 360h of chilling

Nursery chilling & fruit quality







High elev. nursery
1200 m, 42º N lat.
160 hours <7º C

Low elev. nursery
200 m, 41º N lat.
0 hours <7º C

Nursery dig date: 1 October



Plant vigor and fruit quality for HE Albion plants dug October 15 and planted on 2 dates in So. Cal.

Soil fumigation





Where possible, use highest rate of MB:Pic (2:1 or 57:43) & flat fume; increased incidence of soilborne pathogens associated with use of drip-applied alternatives

Macdoel nursery dig date and number of stolons of various size categories

Nursery dig date	No. per 1,000 plants crown diameter (cm)		
	<1.0	1.0-1.2	>1.2
21 Sept.	395	441	164
28 Sept.	201	558	241

Temperature, Respiration and Postharvest Quality

For every 10º C (18º F) increase in temperature, plant respiration rate doubles or triples

Soil temperatures under clear mulch can easily reach 120+º F