

Processing Sweet Orange ‘OLL-20’ Released for Commercial Production



OLL-20 Sweet Orange Fruit

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UF/IFAS CREC

The new OLL (Orie and Louise Lee) series of sweet oranges are very high-quality processing sweet oranges that generally produce higher soluble solids and better juice color than ‘Valencia’. These new sweet orange clones are embryogenic callus-derived somaclones produced from the original unstable OLL tree discovered by Orie Lee. Trees are more vigorous than ‘Valencia’, and anecdotal evidence suggests they are slightly more HLB-tolerant than ‘Valencia’. ‘OLL-20’ is the third OLL sweet orange clone to be released for commercial production (following ‘OLL-8’ and

‘OLL-4’), largely because of its exceptional juice flavor. ‘OLL-20’ juice has been the favorite when included in UF/IFAS CREC juice displays, and sensory (taste panel) analyses have shown that ‘OLL-20’ juice from HLB-positive trees has an exceptional flavor profile that exceeds standard ‘Valencia’ and even the other OLL clones. Juice from ‘OLL-20’ has been described as having a unique floral bouquet. ‘OLL-20’ has excellent potential to improve the flavor of Florida not-from-concentrate (NFC) juice products. ‘OLL-20’ usually matures earlier than ‘OLL-4’ and ‘OLL-8’ and can be harvested late-mid-season.

For the past two seasons, ‘OLL-20’ fruit matured 3-4 weeks earlier than ‘OLL-4’ and ‘OLL-8’ fruit. In the 2020-2021 season, ‘OLL-20’ juice had a mean brix/acid ratio (from trees on 18 rootstocks) of 16.2 in mid-February. ‘OLL-20’ trees on UFR-2 rootstock are vigorous and showing good HLB tolerance. Trees on UFR-6 are smaller but have produced fruit exceeding 7.0 lbs. solids/box three consecutive seasons. Nurseries can obtain a license for propagation and sale of ‘OLL-20’ trees from the Florida Foundation Seed Producers (FFSP) website: <http://www.ffsp.net/varieties/citrus/>.

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