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Effects of Reduced Amounts of Fertilizer on Nutritic Quality of Satsuma Mandarin Receiving Frequent Sp Small Volume of Liquid Fertilizer

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Effects of overhead liquid fertilizer application on tree nutrition, yield satsuma mandarin (*Citrus unshiu* Marc.) were investigated. Liquid by dissolving solid fertilizer containing 15% nitrogen in water at 300 year-old 'Nichinan No. 1' trees top-grafted on 'Nankan No. 20' (i orange rootstocks were used. The soluble fertilizer was applied eigh March and November. As controls, pellet-shaped solid fertilizer co 8% phosphorus and 7–9% potassium was applied on soil surfaces

(middle March or early April), 80 kg (early October) and 50 kg (ea
November) per ha as nitrogen equivalents. In addition, plots in whic
was reduced by 30% in both liquid and solid fertilizer were allocate
reduced liquid fertilizer and solid fertilizer plots demonstrated equal
centrations in the leaves, brix and citric acid concentrations in the fru
fertilizer was sprayed on the trees 18 times annualiy, it was thought
was better. This indicates cost efficient overhead application of liqui
mandarin orchards.

Key Words: brix, citric acid content, labor-saving, skin color, spr

[PDF (773K)] [References]

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