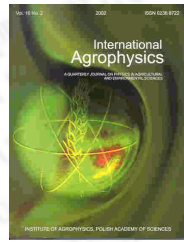


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Some physical properties of orange (var. Tompson)

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abstract Orange is among the popular fruits and of a high economical v
grading of orange is needed for the fruit to be presented to local and fo
study of orange physical properties is therefore indispensable. Some ph
of grade one (large), two (medium) and three (small) oranges were inv
properties included: dimensions, mass, volume, surface area, porosity a
static friction. The major, intermediate and minor diameters of the gra
were 84.1, 77.4 and 75.5 mm, respectively. Volume and mass of the gr
were 217.8 cm³ and 215.4 g, respectively. As for grade two orange pile
density and fruit density were respectively calculated as 0.44 and 1.03 g
of grade one, two and three oranges was 44.64, 49.39 and 51.2%, with
being 0.948, 0.931 and 0.923, respectively. The static angle of friction c