

International Agrophysics

Polish Journal of Soil Science

Acta Agrophysica

Instytut Agrofizyki

International Agrophysics

General information

Issues

Search



www.international-agrophysics.org / issues

International Agrophysics publisher: Institute of Agrophysics Polish Academy of Sciences Lublin, Poland ISSN: 0236-8722

vol. 22, nr. 3 (2008)

previous paper back to paper's list next paper Some physical properties of date fruit (cv. Dairi)

(get PDF 🛂)

M. Keramat Jahromi, S. Rafiee, A. Jafari, M.R. Ghasemi Bousejin, R. Mirasl Mohtasebi

Department of Agricultural Machinery Engineering, Faculty of Biosystems Engineering, University of Tehran, Karaj, Iran

vol. 22 (2008), nr. 3, pp. 221-224

abstract Most of the date fruit processing methods employed are still trabecomes imperative to characterize the fruits with a view to understand that may affect the design of machines to handle their processing. Obje study are to present basic principles of physical properties of date fruit (order to facilitate the design of some machines for its processing. Drybic content of date fruit was found to be 10.45% (10.88% for pitted dates a their pits). Other results showed that linear dimensions varied from 29.8 length, 15.7 to 20.2 mm in width, and 15 to 19.7 mm in thickness. Mean volume of fruit were measured as 5.30 g and 5.49 cm3, respectively. Th areas along length (PL), width (PW) and thickness (PT) were 262.71, 49 mm2, respectively. The fruit density and pitted fruit density were measured as 5.30 g and 5.49 cm3.