Accepted Manuscript

Effects of prefreezing on the drying characteristics, structural formation and mechanical properties of microwave-vacuum dried apple

Yasumasa Ando, Shoji Hagiwara, Hiroshi Nabetani, Itaru Sotome, Tomoya Okunishi, Hiroshi Okadome, Takahiro Orikasa, Akio Tagawa

PII: S0260-8774(18)30414-X

DOI: 10.1016/j.jfoodeng.2018.09.026

Reference: JFOE 9413

To appear in: Journal of Food Engineering

Received Date: 17 May 2018

Revised Date: 6 August 2018

Accepted Date: 17 September 2018

Please cite this article as: Ando, Y., Hagiwara, S., Nabetani, H., Sotome, I., Okunishi, T., Okadome, H., Orikasa, T., Tagawa, A., Effects of prefreezing on the drying characteristics, structural formation and mechanical properties of microwave-vacuum dried apple, *Journal of Food Engineering* (2018), doi: https://doi.org/10.1016/j.jfoodeng.2018.09.026.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



		DI			$\mathbf{\alpha}$		IDT
A	FP		VLA	ΑN	20	÷К	IPT

1	Effects of Prefreezing on the Drying Characteristics, Structural Formation and
2	Mechanical Properties of Microwave-vacuum Dried Apple
3	
4	Yasumasa ANDO ^{a,*} , Shoji HAGIWARA ^b , Hiroshi NABETANI ^{b,c} , Itaru SOTOME ^c ,
5	Tomoya OKUNISHI ^b , Hiroshi OKADOME ^b , Takahiro ORIKASA ^{d,e} , Akio TAGAWA ^f
6	^a Institute of Vegetable and Floriculture Science, NARO, 360 Kusawa, Anou, Tsu, Mie
7	514-2392, Japan.
8	^b Food Research Institute, NARO, 2-1-12 Kannondai, Tsukuba, Ibaraki 305-8642,
9	Japan.
10	^c Graduate School of Agricultural and Life Sciences, The University of Tokyo, 1-1-1
11	Yayoi, Bunkyo-ku, Tokyo 113-8657, Japan.
12	^d Faculty of Agriculture, Iwate University, 3-18-8 Ueda, Morioka, Iwate 020-8550,
13	Japan.
14	^e Agri-Innovation Center, Iwate University, 3-18-8 Ueda, Morioka, Iwate 020-8550,
15	Japan.
16	^f Professor Emeritus, Graduate School of Horticulture, Chiba University, 648 Matsudo,
17	Matsudo, Chiba 271-8510, Japan.
18	
19	Corresponding author: Yasumasa Ando, Institute of Vegetable and Floriculture Science,
20	NARO, 360 Kusawa, Anou, Tsu, Mie 514-2392, Japan.
21	E-mail yaando@affrc.go.jp

22 Tel +81-50-3533-4628

Download English Version:

https://daneshyari.com/en/article/11024364

Download Persian Version:

https://daneshyari.com/article/11024364

Daneshyari.com