## Accepted Manuscript

Fruit pomace as a source of alternative fibers and cellulose nanofiber as reinforcement agent to create molded pulp packaging boards

Virginia P. Gouw, Jooyeoun Jung, John Simonsen, Yanyun Zhao

PII: S1359-835X(17)30156-2

DOI: http://dx.doi.org/10.1016/j.compositesa.2017.04.007

Reference: JCOMA 4634

To appear in: Composites: Part A

Received Date: 6 January 2017 Revised Date: 10 April 2017 Accepted Date: 10 April 2017



Please cite this article as: Gouw, V.P., Jung, J., Simonsen, J., Zhao, Y., Fruit pomace as a source of alternative fibers and cellulose nanofiber as reinforcement agent to create molded pulp packaging boards, *Composites: Part A* (2017), doi: http://dx.doi.org/10.1016/j.compositesa.2017.04.007

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.

## **ACCEPTED MANUSCRIPT**

Fruit pomace as a source of alternative fibers and cellulose nanofiber as reinforcement agent to create molded pulp packaging boards

Virginia P. Gouw <sup>a</sup>, Jooyeoun Jung <sup>a</sup>, John Simonsen <sup>b</sup>, Yanyun Zhao <sup>a,\*</sup>

<sup>a</sup> Department of Food Science and Technology, 100 Wiegand Hall, Oregon State University, Corvallis,

Oregon 97331, USA

<sup>b</sup> Department of Wood Science and Engineering, 119 Richardson Hall, Oregon State University, Corvallis,

Oregon 97331, USA

 $E\text{-mail addresses: } \underline{gouwv@oregonstate.edu} \text{ (V.P. Gouw), } \underline{jooyeoun.jung@oregonstate.edu} \text{ (J. Jung), }$ 

john.simonsen@oregonstate.edu (J. Simonsen), yanyun.zhao@oregonstate.edu (Y. Zhao)

#### \*Corresponding author:

Tel: +1 (541) 737-9151

Fax: +1 (541) 737-1877

E-mail: Yanyun.zhao@oregonstate.edu

### **Abstract**

Fruit pomace (FP) as a source of fiber partially replaced recycled newspaper (NP) to create molded pulp boards (FPBs). Blueberry (BP), cranberry (CP), and apple pomace (AP) with

### Download English Version:

# https://daneshyari.com/en/article/5439558

Download Persian Version:

https://daneshyari.com/article/5439558

<u>Daneshyari.com</u>