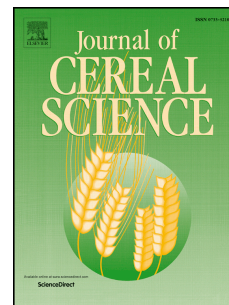


Accepted Manuscript

Kernel vitreousness and protein content: Relationship, interaction and synergistic effects on durum wheat quality

Bin Xiao Fu, Kun Wang, Brigitte Dupuis, Dale Taylor, Shin Nam



PII: S0733-5210(17)30597-0

DOI: [10.1016/j.jcs.2017.09.003](https://doi.org/10.1016/j.jcs.2017.09.003)

Reference: YJCRS 2440

To appear in: *Journal of Cereal Science*

Please cite this article as: Bin Xiao Fu, Kun Wang, Brigitte Dupuis, Dale Taylor, Shin Nam, Kernel vitreousness and protein content: relationship, interaction and synergistic effects on durum wheat quality , *Journal of Cereal Science* (2017), doi: 10.1016/j.jcs.2017.09.003

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.

Kernel vitreousness and protein content: relationship, interaction and synergistic effects on durum wheat quality

Bin Xiao Fu*, Kun Wang, Brigitte Dupuis, Dale Taylor, and Shin Nam.

Grain Research Laboratory, Canadian Grain Commission, 303 Main Street, Winnipeg, MB, Canada R3C 3G8

*Corresponding author. *E-mail address:* binxiao.fu@grainscanada.gc.ca

Keywords: Durum wheat, kernel vitreousness, protein content, semolina yield, pasta quality.

Abbreviations: ANOVA, analysis of variance; CWAD, Canada Western Amber Durum; HMW-GS, high molecular weight glutenin subunits; HVK, hard vitreous kernels; LMW-GS, low molecular weight glutenin subunits; PSD, particle size distribution; RP-UPLC, reversed phase-ultra performance liquid chromatograph; SE-HPLC, size exclusion-high performance liquid chromatograph; TYP, total yellow pigment; WSK, white starchy kernels.

Download English Version:

<https://daneshyari.com/en/article/8881479>

Download Persian Version:

<https://daneshyari.com/article/8881479>

[Daneshyari.com](https://daneshyari.com)