

Accepted Manuscript

Biofortification strategies to increase grain zinc and iron concentrations in wheat

G. Velu, I. Ortiz-Monasterio, I. Cakmak, Y. Hao, R.P. Singh

PII: S0733-5210(13)00149-5

DOI: [10.1016/j.jcs.2013.09.001](https://doi.org/10.1016/j.jcs.2013.09.001)

Reference: YJCRS 1750

To appear in: *Journal of Cereal Science*

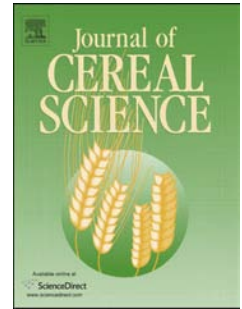
Received Date: 8 July 2013

Revised Date: 15 September 2013

Accepted Date: 18 September 2013

Please cite this article as: Velu, G., Ortiz-Monasterio, I., Cakmak, I., Hao, Y., Singh, R.P., Biofortification strategies to increase grain zinc and iron concentrations in wheat, *Journal of Cereal Science* (2013), doi: 10.1016/j.jcs.2013.09.001.

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.



- Dietary deficiency of essential micronutrients such as zinc (Zn) and iron (Fe) in human is very common
- Genetic and agronomic biofortification to improve Zn and Fe in wheat could greatly reduce micronutrient malnutrition.
- Wheat is the second most produced cereal crop, contributes 28% of the world's dietary energy in many parts of the world.
- Currently, CIMMYT is working to develop and disseminate high-yielding & high Zn wheat varieties.
- Agronomic biofortification through fertilizer approaches could complement the existing breeding approach.

Download English Version:

<https://daneshyari.com/en/article/6377988>

Download Persian Version:

<https://daneshyari.com/article/6377988>

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