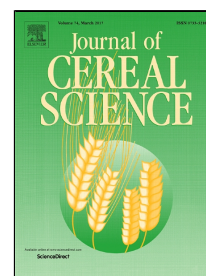


# Accepted Manuscript

Influence of Environmental Temperature During Grain Filling Period on Granule Size Distribution of Rice Starch and its Relation to Gelatinization Properties

Jianchao Liu, Qian Zhao, Lujian Zhou, Zhenzhen Cao, Chunhai Shi, Fangmin Cheng



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## Highlights:

1. HT exposure increased the average diameter of starch granules and altered the starch granule size distribution in rice endosperm;
2. HT-induced increase in the number, volume and area-based percentage of large starch granule was strongly responsible for the increase of GT under HT growth;
3. Influence of HT exposure on GT and starch granule size distribution was relatively independent of their alteration in AC level for different rice genotypes.

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