

Accepted Manuscript

Title: Auxin protects spikelet fertility and grain yield under drought and heat stresses in rice santosh11v@hotmail.com

Authors: Laxmi Sharma, Monika Dalal, Rakesh K. Verma, Santosh V.V. Kumar, Shashank K. Yadav, Suchitra Pushkar, Sita Ram Kushwaha, Arpan Bhowmik, Viswanathan Chinnusamy



PII: S0098-8472(18)30300-9
DOI: <https://doi.org/10.1016/j.envexpbot.2018.02.013>
Reference: EEB 3394

To appear in: *Environmental and Experimental Botany*

Received date: 21-9-2017
Revised date: 31-1-2018
Accepted date: 25-2-2018

Please cite this article as: Sharma, Laxmi, Dalal, Monika, Verma, Rakesh K., Kumar, Santosh V.V., Yadav, Shashank K., Pushkar, Suchitra, Kushwaha, Sita Ram, Bhowmik, Arpan, Chinnusamy, Viswanathan, Auxin protects spikelet fertility and grain yield under drought and heat stresses in rice santosh11v@hotmail.com. *Environmental and Experimental Botany* <https://doi.org/10.1016/j.envexpbot.2018.02.013>

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.

Auxin protects spikelet fertility and grain yield under drought and heat stresses in rice

Short running title: Role of auxin in spikelet fertility

Laxmi Sharma^{1,2}, Monika Dalal³, Rakesh K. Verma¹, Santosh Kumar VV¹, Shashank K. Yadav¹, Suchitra Pushkar¹, Sita Ram Kushwaha¹, Arpan Bhowmik⁴ and Viswanathan Chinnusamy^{1,*}

¹Division of Plant Physiology, ICAR-Indian Agricultural Research Institute, New Delhi-110012, India

²Crop Production Division, ICAR-Central Research Institute for Jute and Allied Fibres, Barrackpore, Kolkata-700120, India

³ICAR-National Research Centre on Plant Biotechnology, New Delhi-110012, India

⁴ICAR-Indian Agricultural Statistics Research Institute, New Delhi-110012, India

***Corresponding Author:** viswa_iari@hotmail.com; viswanathan@iari.res.in

Phone: +91 011 25842815

Emails: laxmi1408@gmail.com; monikadalal@hotmail.com; rv_rakesh2007@yahoo.com;

santosh11v@hotmail.com; shashank86livinz@gmail.com; suchi.iari@gmail.com;

sr_kushwahapp@rediffmail.com; arpan.stat@gmail.com; viswa_iari@hotmail.com

Download English Version:

<https://daneshyari.com/en/article/8886969>

Download Persian Version:

<https://daneshyari.com/article/8886969>

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