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Impact of elevated CO_2 on *Oryza sativa* phenology and brown planthopper, *Nilaparvata lugens* (Hemiptera: Delphacidae) population

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The impact of elevated CO_2 (570 ± 25 ppm) on brown planthopper, *Nilaparvata lugens* (Stål) and Pusa Basmati 1401 rice in comparison to ambient CO_2 was studied in open top chambers (OTCs) during the rainy seasons of 2013 and 2014. Crop canopy circumference was higher (13.1–16.8 cm) under elevated CO_2 when compared to ambient CO_2 (10.3–13.1 cm) during different rice phenological stages indicating the positive influence of elevated CO_2. In addition, elevated CO_2 exhibited a positive effect on rice plants through increase in tiller number (17.6%), reproductive tiller

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