

upper node orders in the Exp plots as compared to the Cont plot. The panicles of secondary tillers in the Exp plots were larger than those in the Cont plot with respect to panicle weight, panicle length and leaf weight per panicle. Relative light intensity in the canopy was significantly larger at both booting and middle ripening stages in the Exp plots as compared to that in the Cont plot.

## Keywords:

Akitakomachi, Hitomebore, Nitrogen application regime, Relative light intensity, Secondary tillers, Sparse planting, Spikelet number, IN JAPANESE

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