

Determination of Response of Selected Rice Genotypes to Planting Date During *Maha* Season on Selected Agronomic and Yield Characters under Greenhouse Condition

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Ma wee is a group of traditional rice accessions with abiotic stress tolerance. *Ma wee* is grown only during *Maha* season due to the short-day requirement for flowering. This experiment was conducted to determine the response of selected *Ma wee* accessions to planting date (PD) during *Maha* season on agronomic and yield characters. PDs were September 15, 30, October 15, and 30, 2021 with a photoperiod ranging from 12:09 to 11:53. *Maha ma wee* accessions (8541, 8543), one *Ma wee samba* accession (4561), and an improved variety Bg 300 were planted in pots in a complete randomized design with five replicates under greenhouse conditions. Yield and agronomic characters were evaluated. Days to fifth leaf (DFL), Plant height at the fifth leaf (HFL) and Height at flowering (HF), Grains per the first panicle (GPP), and effective tillers at harvest (ETH) were affected by PD. Days to flowering (DF) at PD1 were lesser (124,, 135 and 136) in *Ma wee* in contrast to other PDs while DF of Bg 300 was not affected. GPP was affected by PD as the plants of PD1 produced the highest GPP in all genotypes (225, 269, and 286). The plants of other PDs produced low GPP (from 178 to 64). The above results indicate the optimum PD requirement of *Ma wee* for incorporation in breeding programmes.

Keywords: *Ma wee* accessions, planting date, agronomic and yield characters