

B301

Yield and quality of promising aromatic rice genotypes

Morpho-physiological features of aromatic rice for yield, adaptability and quality were tested in 2 mutant aromatic lines 1/39,3/22 and an introduction 28 ING with 2 non aromatic local controls namely RU 102 and BG 379/2 at two locations in the Matara District in the low country Wet Zone (WL). Mutant aromatic line 3/22 recorded the highest grain yield at Mapalana Trial (3406 kg/ha) while RU 102 one of the control varieties recorded the highest yield at Gombaddala (92897 kg/ha). The line 3/22 also recorded high yield at Gombaddala, ranking second.

Treatment 28 ING had the highest aroma among the aromatic genotypes at both locations. It was followed by mutant line 3/22 (moderate aroma) and 1/39 (slight to moderate aroma) respectively. The selected mutants showed good promise in the Wet Zone and further testing before their release is recommended.