

Pavithra (MO 13) and Panchami (MO 14): Two gall midge resistant varieties of rice

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Abstract

Hybridization programme was started in 1985 at the Rice Research Station, Moncompu using locally accepted varieties like MO 4, MO 6, MO 7 and gall midge (GM) resistant varieties such as MO 5, Surekha, Pothana etc. using pedigree-breeding method to evolve varieties with resistance to GM Biotype 5. Up to six generation, selection was practised based on GM resistance, yield and general performance. Two cultures, KAU M59-29-2-1-2 (IET 13983) from the cross Surekha / MO 5 and KAU M61-6-1-1-2 (IET 14260) from the cross Pothana / MO 5 performed well in yield trials over the check varieties and were released as Pavithra (MO 13) and Panchami (MO 14) respectively in 1998 for use in GM endemic areas.

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