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'Uma' (MO 16) and 'Revathy' (MO 17): Two promising rice varieties with seed dormancy

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Abstract

To evolve rice varieties with seed dormancy, hybridisation programmes were initiated at the Rice Research Station, Moncompu in 1985 using locally adapted varieties like MO 4 ('Bhadra'), MO 5 ('Asha'), MO 6 ('Pavizham'), MO 7 ('Karthika'), 'Pokkali', MO 1 and 'Kuruka'. Selection up to the F6 generation based on general performance and seed dormancy yielded two cultures— KAU M 42-6-3 from the MO 6/'Pokkali' cross and KAU M 45-20-1 from the cross of culture 12814 with MO 6. These cultures performed consistently well in the yield trials and were, therefore, released by the State Seed Subcommittee in 1998 as 'Uma' (MO 16) and 'Revathy' (MO 17) respectively for use in Kerala.

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