

Response of pearl millet hybrids to nitrogen levels under rice fallows

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ABSTRACT

A field trial was carried out during *rabi*, 2024-25 on sandy clay loam soil of Agricultural College Farm, Bapatla to study the effect of pearl millet hybrids and nitrogen levels on growth, yield attributes and yield of pearl millet. The experiment was laid out in split plot design and replicated thrice. The treatments consists of pearl millet hybrids viz., MPMH-21, AHB-1200, HHB-67, MLBH-308 and nitrogen levels Viz., Control (0% RDN), 100% RDN, 125% RDN, 150% RDN. The hybrid MLBH-308 recorded higher growth parameters, yield attributes and yield followed by AHB-1200. Application of 150% RDN significantly improved the growth parameters, yield attributes and yield which shows parity with 125% RDN. The results concluded that cultivation of MLBH-308 hybrid of pearl millet with application of 150% RDN during *rabi* was found to be the best package in rice fallows of north coastal Andhra Pradesh.

Keywords: *Growth parameters, Hybrids, Nitrogen levels, Pearl millet, Yield attributes and Yield.*