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An evaluation of nutritional properties in barnyard millet [*Echinochloa frumentacea* (Roxb.) Link] germplasm

■ R. PRAKASH, C. VANNIARAJAN¹, S. KANCHANA², J. PRABHAHARAN³
AND K. CHANDRAKUMAR⁴

AUTHORS' INFO

Associated Co-author :

¹Department of Plant Breeding and Genetics, Agricultural College and Research Institute (T.N.A.U.), MADURAI (T.N.) INDIA

²Department of Food Science and Nutrition, Home Science College and Research Institute (T.N.A.U.), MADURAI (T.N.) INDIA

³Department of Soil and Environment, Agricultural College and Research Institute (T.N.A.U.), MADURAI (T.N.) INDIA

⁴Department of Biochemistry, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA

Author for correspondence:

R. PRAKASH

Department of Plant Breeding and Genetics, Agricultural College and Research Institute (T.N.A.U.), MADURAI (T.N.) INDIA
Email: prakashmscagri@gmail.com

ABSTRACT : An estimation was carried out with 65 indigenous and exotic barnyard millet germplasm to study the nutritional properties such as protein, carbohydrate and fibre content. The study revealed that, highest amount of protein was observed in ACM 161 (13.20 g/100 g), highest carbohydrate content was in ACM161 (76.20 g/100 g), crude fibre was highest in ACM 161 (10.80 g/100 g) with a grain yield of 47.8g/plant. In any crop the yield will be inversely proportional to the quality parameters. On the contrary in the present study, it was observed that ACM 161, ACM 110, ACM 145 and ACM 313 had high yielding as well as good in nutritional content.

KEY WORDS : Barnyard millet, Carbohydrate, Protein, Fibre estimation

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