Short Communication
Range Mgmt. & Agroforestry 43 (1) : 172-175, 2022
ISSN 0971-2070

Fodder productivity and quality assessment of bajra napier hybrid varieties under different nitrogen levels

Maninder Kaur* and Ashlesha
Punjab Agricultural University, Ludhiana-141004, India
*Corresponding author e-mail: manindersindhu@pau.edu
Received: 5th March, 2021 Accepted: 28th April, 2022

Abstract
An experiment was conducted at the forage research farm of Punjab Agricultural University, Ludhiana to evaluate the response of bajra napier hybrid varieties under different levels of nitrogen during two *kharif* seasons of 2018 and 2019. During both the years under study, the variety PBN 342 gave the highest green fodder and dry matter yields over the existing recommended varieties. The variety PBN 342 also maintained its superiority in quality over the other two varieties. Among the nitrogen levels, the application of highest level of nitrogen *i.e.*, 120 kg N/ha/cut led to highest green fodder and dry matter yield but these values were statistically similar to the yield obtained with 75 kg N/ha/cut. The mortality of crop stumps decreased with increase in nitrogen dose. Nitrogen application also improved the quality of bajra napier hybrid.

Keywords: Bajra napier hybrid, Fodder yield, Nitrogen level, Quality, Varieties