



## RESEARCH PAPER

# Effect of nano urea on growth and yield of summer pearl millet

R. B. Chaudhary, N.M. Thesiya\*, J.V. Varsani<sup>1</sup>, S.R. Kumbhai<sup>2</sup>, R.P. Bambhrolia<sup>3</sup> and R.M. Bhuva<sup>2</sup>  
Department of Agronomy, Navsari Agricultural University, Navsari (Gujarat) India

**Abstract :** A field experiment was carried out during the summer season of the year 2024 at College Farm, N. M. College of Agriculture, NAU, Navsari, Gujarat to study the effect of nano urea on growth, yield attributes and yield of summer pearl millet. The experiment was laid out in Randomized Block Design having ten treatments with three replications. Among the different treatments, application of 80 % RDN + Spray of nano urea at 25 DAS + 50 DAS (4 ml L<sup>-1</sup>) was recorded significantly higher plant height at 60 DAS (164.90 cm) and harvest (172.87 cm), number of tillers hill<sup>-1</sup> at 45 DAS (5.65) and at harvest (6.43), number of effective tillers hill<sup>-1</sup> (2.93), number of ear head m<sup>-2</sup> (29.31), ear head length (24.97 cm), grain yield (4986 kg ha<sup>-1</sup>) and straw yield (8528 kg ha<sup>-1</sup>) and it was statistically at par with the treatments 100 % RDN through urea. Significantly lower growth, yield attributes and yield were recorded under treatment control.

**Key Words :** Nano urea, Pearl millet, Grain, Straw yield

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**\*Author for correspondence:**

<sup>1</sup>Department of Economics, Navsari Agricultural University, Navsari (Gujarat) India

<sup>2</sup>Department of Agricultural Extension and Communication, Navsari Agricultural University, Navsari (Gujarat) India

<sup>3</sup>Department of Microbiology, Navsari Agricultural University, Navsari (Gujarat) India