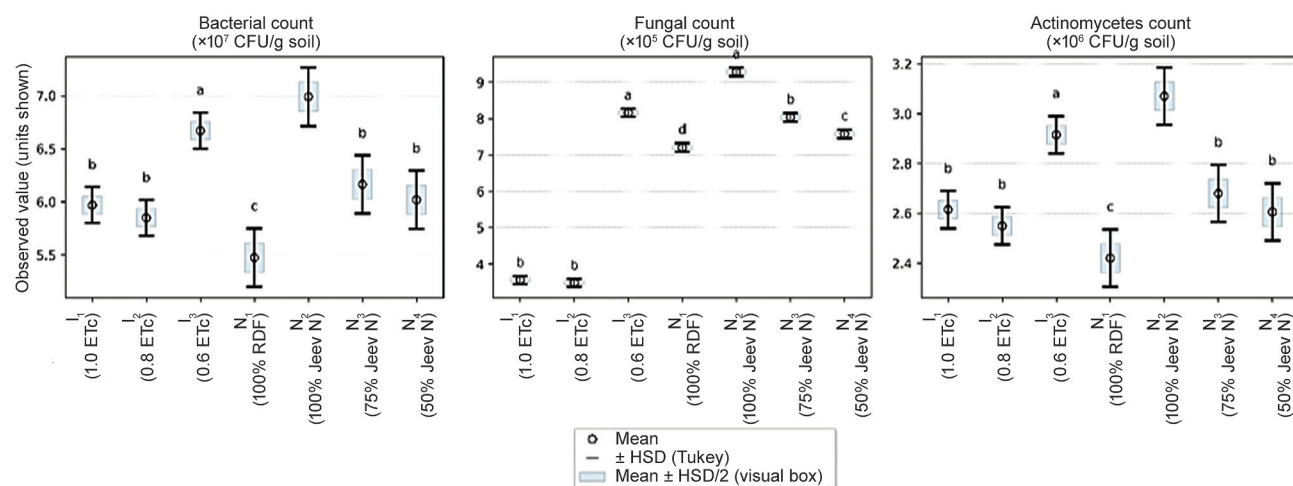
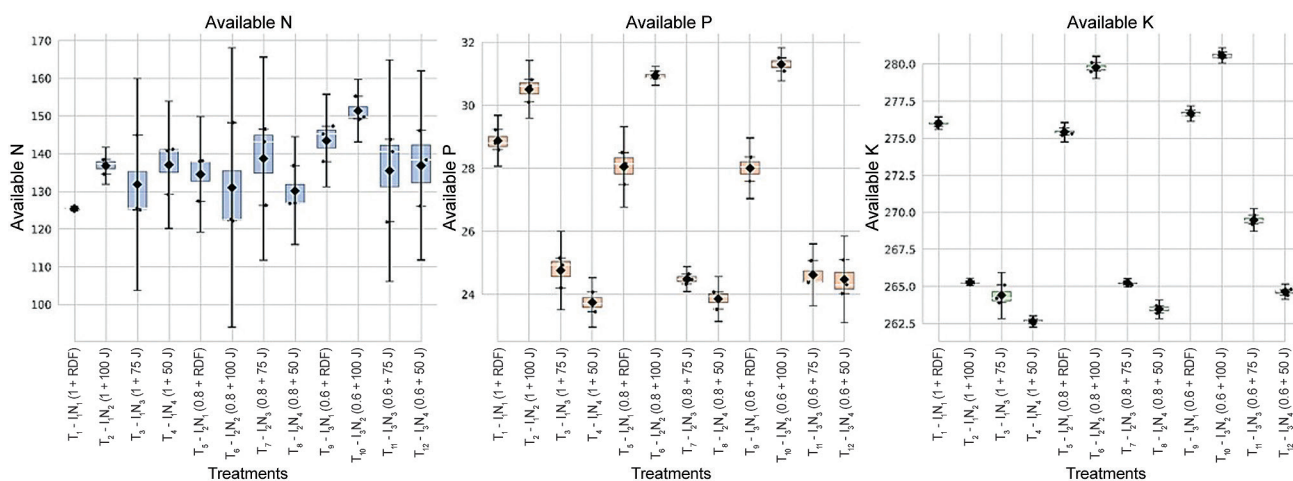


Supplementary Fig. 1 Comparative trends of temperature, evapotranspiration, and rainfall during consecutive cropping seasons (2023–2024 to 2024–2025).

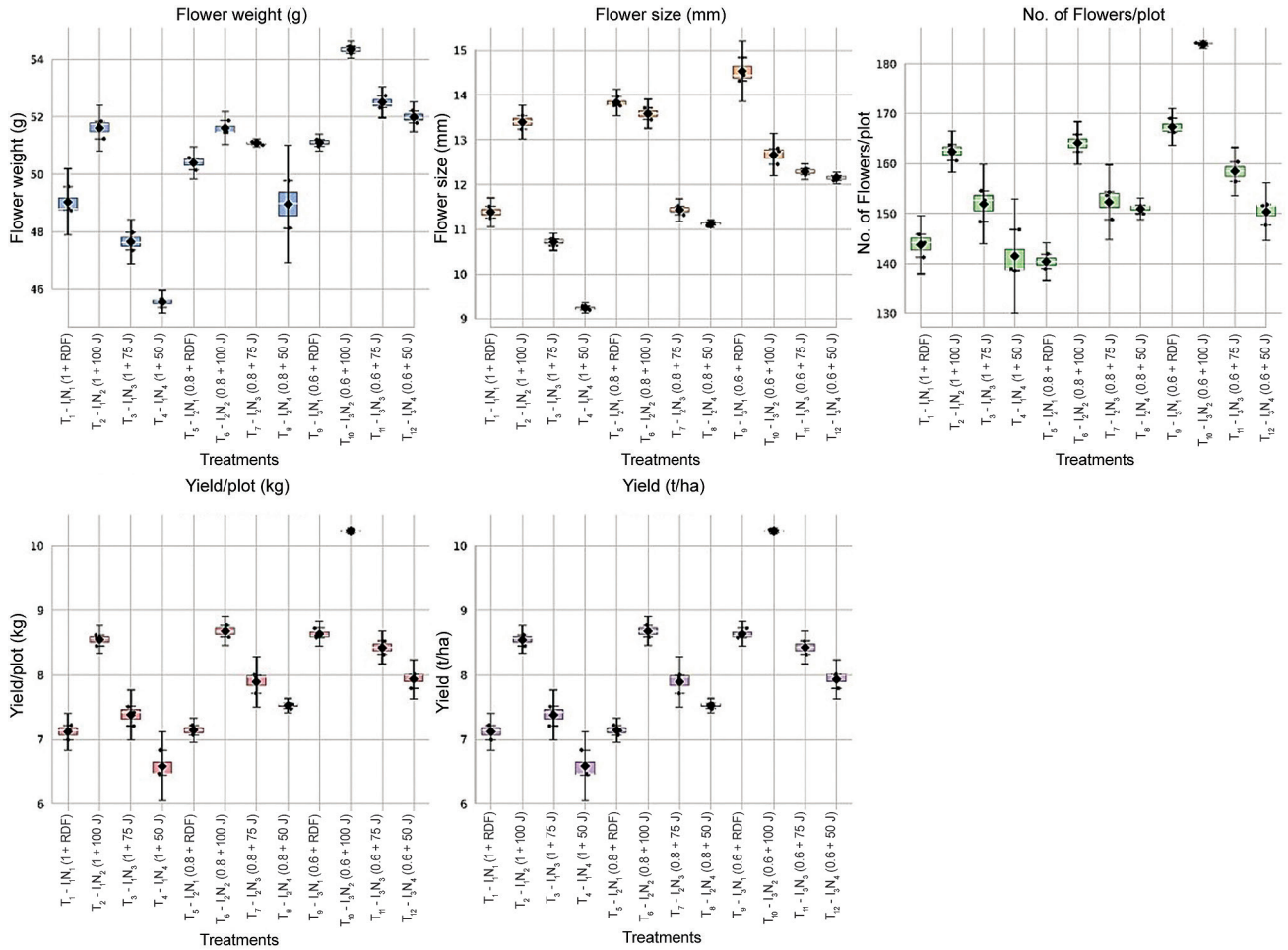


Supplementary Fig. 2 Effect of different irrigation practices and nutrient combinations on soil microflora following crop harvest (2023–2024 to 2024–2025).



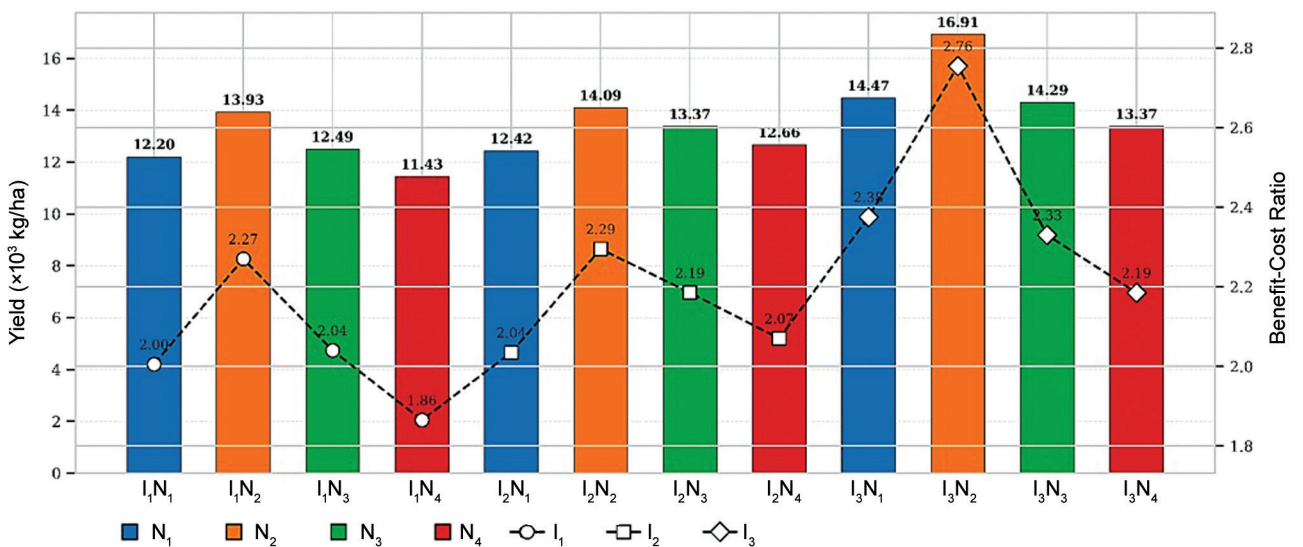
Supplementary Fig. 3 Effect of irrigation regimes and nutrient management on soil available NPK status in marigold (2023–2024 to 2024–2025).

RDF, Recommended dose of fertiliser; J, *Jeevamrutha*. Treatment details are given under Materials and Methods.



Supplementary Fig. 4 Effect of irrigation regimes and nutrient management on flower quality parameters of marigold (2023–2024 to 2024–2025).

Treatment details are given under Materials and Methods.



Supplementary Fig. 5 Effect of irrigation regimes and nutrient management on economics of marigold (2023–2024 to 2024–2025).

Treatment details are given under Materials and Methods.