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RESEARCH PAPER

Nutrient management in pearl millet (*Pennisetum glaucum*)

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Abstract : As a primary dual-purpose crop, pearl millet serves as both food for humans and animal fodder. Its ability to resist high temperatures surpasses that of all other cereals, making it a crop with exceptional climate resilience. The average yield of pearl millet is low when compared to its potential yields because of insufficient soil fertility, a lack of effective soil nutrient replenishment procedures, erratic rainfall patterns, and other factors. Farmers in dry regions are unable to afford the expensive fertilisers because of their poor economic conditions. Additionally, the continuous and exclusive use of chemical fertilisers has given rise to a number of issues; therefore, nutrient management which has been suggested as a possible approach to overcoming such difficulties, helps in resolving these concerns. To preserve a healthy soil's physical and chemical environment and to act as an energy source for the biomass of soil-microbial organisms, it is crucial to utilise organic, inorganic and biofertilizers in moderation.

Key Words : Chemical fertilizer, Integrated nutrient management, Nutrient, Organic manure, Pearl millet

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