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RESEARCH PAPER

Effects of post-shooting sprays and bunch covering on yield attributes of Willium banana (*Musa paradisiaca* L.)

D. R. Paradva, M. J. Patel , Bhavin Ram* **and** H. L. Kacha
Anand Agricultural University, Anand (Gujarat) India (Email : bhavinram@gmail.com)

Abstract : This research investigates the synergistic effects of post-shooting sprays and bunch covering materials on the growth, development, and yield of Willium banana (*Musa paradisiaca* L.). Gibberellic acid (GA3) at 100 mg/l emerges as a potent post-shooting spray, significantly enhancing bunch length, finger length, girth of finger, bunch weight, and overall fruit yield. The study highlights the pivotal role of GA3 in promoting both cell division and elongation, contributing to increased fruit size and weight. Non-woven material bag covering proves superior in creating an optimal microclimate, fostering enhanced air circulation, temperature control, and light interception. This material significantly boosts finger length, girth, bunch weight, and fruit yield. These findings provide valuable insights for banana cultivation, emphasizing the strategic use of GA3 and appropriate covering materials to optimize environmental conditions and hormonal balance for improved crop outcomes. The study contributes to the evolving field of banana cultivation practices and offers practical implications for enhancing fruit quality and yield.

Key Words : Post-shooting spray, Bunch covering material, Gibberellic acid

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***Author for correspondence:**