

## **Effect of biofertilizers, GA<sub>3</sub> and micronutrients on physio-chemical characteristics of sapota cv. Kalipatti**

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**ABSTRACT :** A field experiment was conducted to study the response of biofertilizers (*Azospirillum* and PSB), GA<sub>3</sub> and micronutrient mixture grade 4 on physio-chemical characteristics of sapota trees at FRS, Gandevi (Navsari Agricultural University, Navsari). The results revealed that the application of 100 or 75% RDF along with foliar spray of 50 ppm GA<sub>3</sub> resulted in maximum fruit firmness, pulp-peel ratio, TSS, acidity and ascorbic acid content with minimum no. of seeds per fruit. Whereas, delayed ripening and maximum shelf life was recorded with the application of 75% RDF + Biofertilizers (*Azospirillum* + PSB) @ 40 ml/ tree + GA<sub>3</sub> @ 50 ppm + micronutrient mixture Grade 4 @ 0.5%.

**Key Words:** Biofertilizers (*Azospirillum* and PSB), GA<sub>3</sub> and Micronutrient mixture grade 4, RDF (Recommended Dose of Fertilizer).