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RESEARCH ARTICLE :

Effect of 28-homobrassinolide, cppu, Ga3 and humic acid on quality and shelf- life of sapota (*Manilkaraachras*) cv. kalipatti harvested in august month

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SUMMARY : A field experiment was conducted to study the effect of28- Homobrassinolide, CPPU, GA_3 and Humic Acid on physical, chemical and physiological parameters of sapota cv. Kalipatti and observed that significantly highest fruit weigh, fruit firmness(fourth day after harvest), total soluble solids, reducing sugar, total sugar, ascorbic acid, and shelf life whereas lowest titratable acidity and physiological loss in weight were reported with foliar application of 6 ppm CPPU(T_4).However, the pulp content and pulp/peel ratio were shows higher with GA_3 @100 ppm (T_7). While lowest fruit firmness and shelf life with highest physiological loss in weight were reported in 0.75 ppm28-Homobrassinolide(T_2). Thechemical substancesreported non significant effecton ripening per cent and non reducing sugar content fruits of sapotaharvested in month of August.

KEY WORDS:
Sapota, 28-Homobrassinolide, CPPU, Humic acid and GA_3

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