

Title Effect of methyl bromide fumigation against Mealy Bug on pineapples var. N36 and Josapine

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Abstract

Pineapples fruit of N36 and Josapine variety were subjected to Methyl bromide (MB) fumigation of doses of 24, 28 and 32gm/M for two hour against the pink mealybug, *Dysmoccus brevipes* (Cockerell). Fumigation was conducted during the early morning hour (1.00 am) using tarpoline sheet covered over angle-iron rectangular structure where the fruits were housed. Fruits were fumigated while in packing boxes with holes at the bottom and cover ends and the handle. A Box of Josapine pineapple contained 8 fruits while those of N36 variety contained only 6 fruits. The average weight for N36 is 1.8 kg while those of Josapine are 1.2 kg. All the three doses of Methyl bromide tested effectively killed 100% of the mealy bugs present on fruits in the sampled boxes. Both Josapine and N36 were injured by the treatment causing fruits to be blemished and darkened at the core and neck region of the fruits. The details of conducting and handling the fumigation experiments were elaborated and the results affecting both the insects and fruits discussed.