

**Title** Effect of methyl bromide fumigation on Josapine and N36 pineapples

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### **Abstract**

Malaysian Pineapple should be fumigated with  $32\text{g/m}^3$  methyl bromide for a minimum of 2 hours for controlling pest prior to shipment to countries like China, Australia and Iran. The effect of methyl bromide fumigation on two popular cultivars of pineapple was studied. Josapine and N36 were harvested at colour index 2 and required to undergo the normal postharvest handling procedures prior to fumigation treatment. After packing, the pineapple fruits were fumigated with three different dosages of methyl bromide;  $24\text{g/m}^3$ ,  $28\text{g/m}^3$  or  $32\text{g/m}^3$  for an exposure period of 2 hours before storage at  $10^\circ\text{C}$ . Non fumigated fruits were used as a control. The fruits were removed from  $10^\circ\text{C}$  after day 10 and placed at room temperature ( $25^\circ\text{C}$ ) for another 7 days. Fumigation treatment by using methyl bromide between  $24 - 32\text{g/m}^3$  for 2 hours was found to be affected the quality of both pineapple cultivars.