

Title Comparison of thyme extract with fungicide on mold of marsh grapefruit (*Citrus paradisi*) and Washington navel oranges (*C. sinensis*) in controlled atmosphere condition

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Abstract

Pathogens are the most important factors including postharvest losses. Non-alcoholic methods such as carbonic acid medicinal plant extracts for preventing postharvest diseases are recommended. Investigation was conducted as a CRD with 4 replications. Application of pure thyme extract reduced the decay percentage of Marsh grapefruit 93% (control) to 2% and 8% respectively. Even though, it was 82% to 12% in Washington navel orange. Also the effect of fungicide was excellent in same condition, but we don't know more about the side effects of these products about human health.