

No. AC 0913/ 2579



Department of Agriculture
Chatuchak Bangkok 10900
THAILAND

23 May B.E. 2562 (2019)

Plant Health Contact Point of the European Commission
Directorate General Health and Food Safety,
Unit D2-Multilateral International Relations,
Rue Froissart 101, B-1049 Brussels.

Dear Sir,

Reference is made to the Notification G/SPS/N/EU/290 on the Commission Implementing Decision amending Annexes I to V to Council Directive 2000/29/EC on protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the Community which will be effective in September 2019.

Two commodities i.e. pummelo (*Citrus maxima*) and mango (*Mangifera indica*) which are currently exported from Thailand may be affected by the above mentioned decision. To prevent trade disruption, Department of Agriculture (DOA) would like to officially propose the following measures to mitigate the risk posed by fruit flies.

For pummelo, experiments were conducted in Thailand to determine the host status of pummelo of 'Thong Dee' cultivar to the oriental fruit fly (OFF), *Bactrocera dorsalis*. Data collected from field studies indicated that commercial grade pummelo is not a suitable field host of the OFF. Natural infestation was not found. In addition, laboratory forced-infestations were carried out by exposing intact and punctured pummelos to gravid female for oviposition. It was found that test fruits with punctures through the flesh were susceptible to fruit fly infestation. However, the data demonstrated that the intact and punctured fruits with 2 mm. depth were resistant to fruit fly infestation. No fruit fly infestation was found on all test fruits. Based on these results, pummelo grown commercially in Thailand is a conditional non-host to the OFF. We attached, herewith, the research study of title "Nonhost Status of Commercial Pummelo to the Oriental Fruit Fly (Diptera : Tephritidae) in Thailand" for your consideration (Attachment 1). Please kindly be informed that this research was

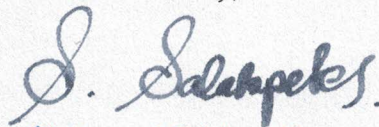
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submitted to the Australian Department of Agriculture, Fisheries and Forestry (DAFF) in May 2007. DAFF already accepted that pummelo is a conditional non-host to the OFF. Currently, no phytosanitary measure against the OFF is required for the exportation of pummelo from Thailand to Australia.

For mango, the hot water immersion was developed as a quarantine treatment for mangoes. We would like to proposed hot water immersion at the innermost fruit pulp temperature at 46 °C for 10 minutes as a post-harvest disinfestation treatment to disinfest mangoes of eggs and larvae of fruit flies. The research paper of title "Hot Water Immersion Treatment of Nam Dorkmai Mango Infested with Oriental Fruit Fly, *Bactrocera dorsalis* (Hendel) for Export" (Attachment 2) is attached herewith for your consideration.

We would very much appreciate it if you could kindly consider our proposals and let us know whether or not the proposed phytosanitary measures are acceptable at your earliest convenience.

Yours sincerely,



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