

BALANCE SHEET NOTIFICATIONS 2018 -2020



República
del Ecuador

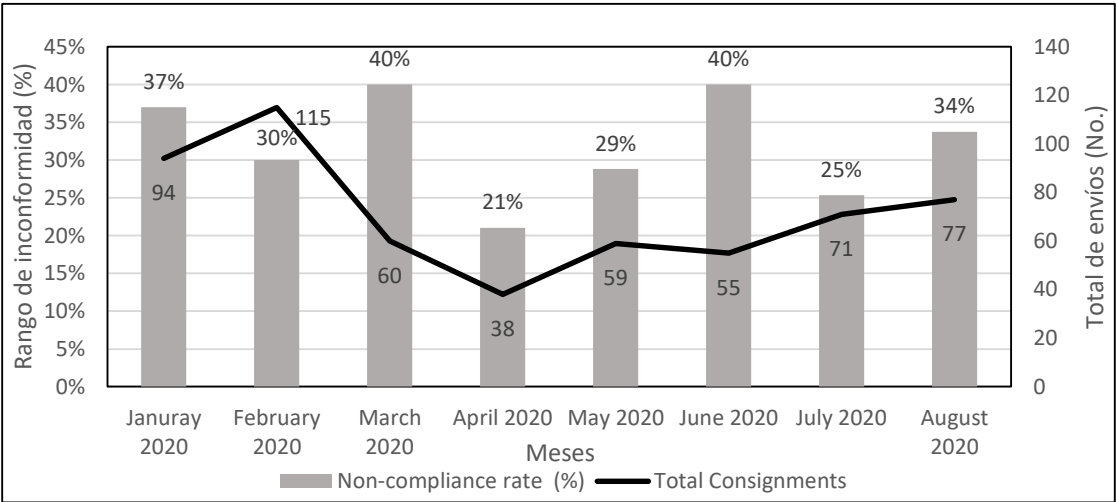
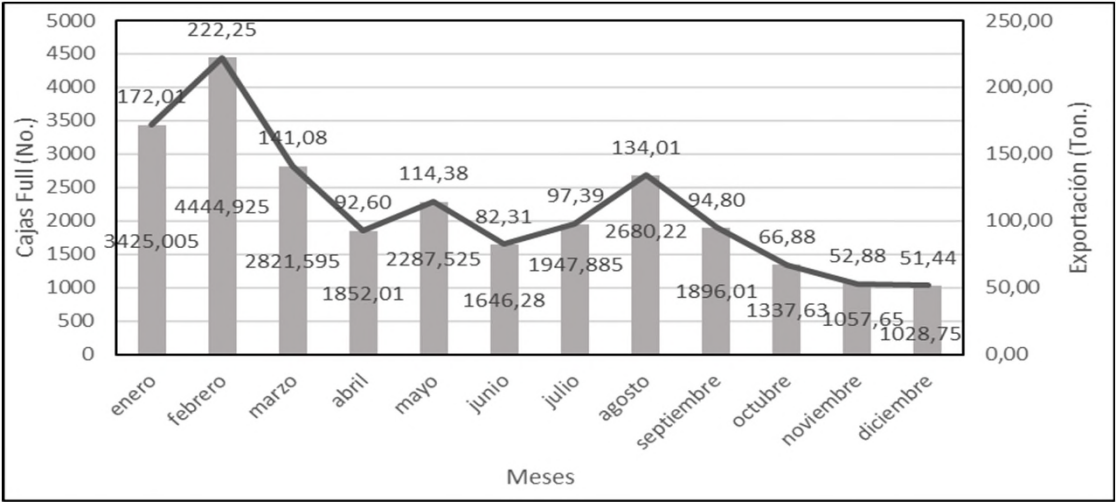


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Exports of flowers and foliage for ornamental use from Ecuador during the period from November 2018 to August 2020 have been notified due to the presence of pests of potential economic importance for Australia, being individuals belonging to the families Thripidae (53%), Tetranychidae (40%) and Aphididae (7%) that present a higher percentage of interception.

Until August 2020 there is a general average of notifications of 33% with maximums of 40% in the seasons of greater export and in the months that the climatic conditions in favor their proliferation.



CONSEQUENCES OF NON-COMPLIANCE

- Implementation of import permits
- Treatment

ACTION PLAN CARRIED OUT BY AGROCALIDAD

- Reassessment of thrips and mite protocols implemented by ornamental export operators in places of production.
- Inspection of 100% of operators in Freight Forwarders.
- Validation of the phosphine fumigation treatment in pre-shipment with the participation of the private company



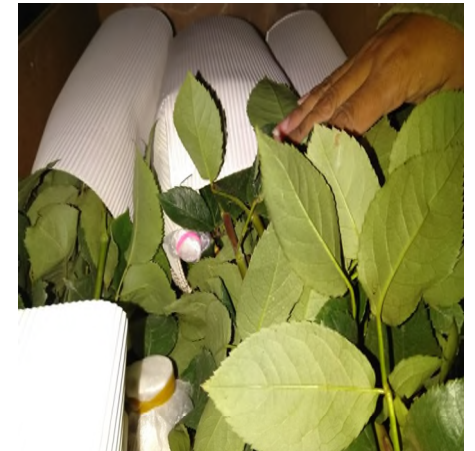
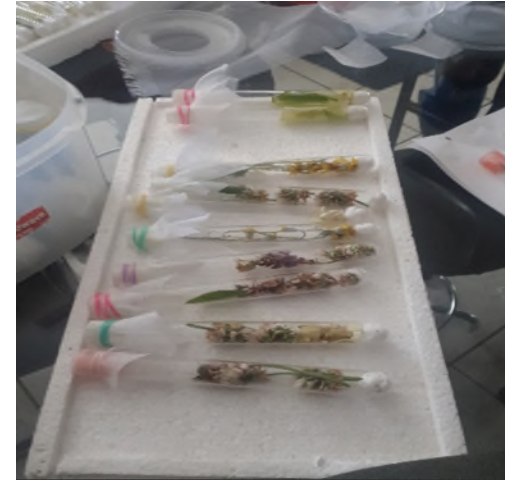
PHOSPHINE FUMIGATION TESTS

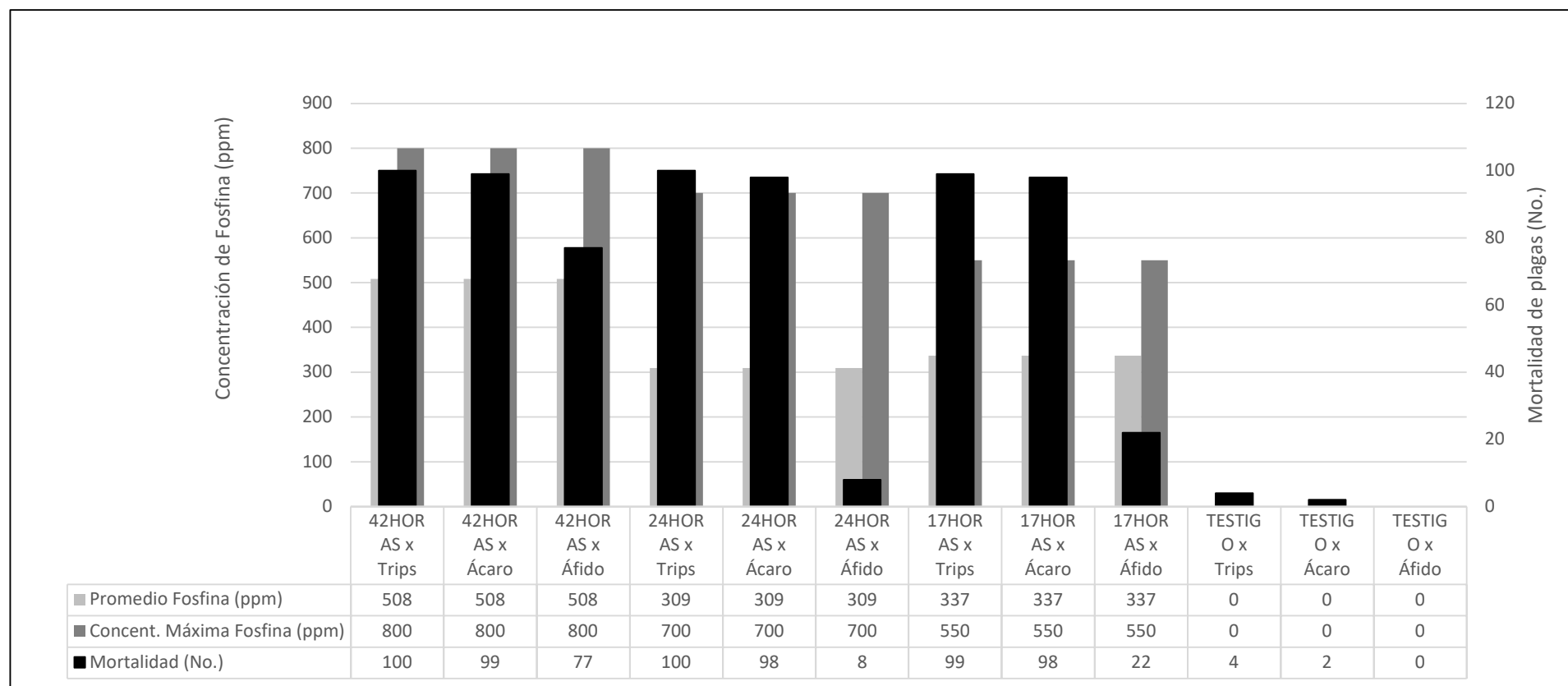
Assay for validation of phosphine gas fumigation treatment - Degesh plates (Magnesium phosphide)

- Dosage of 2.31 g / m³ of active ingredient or 4.13 g / m³ of commercial product in sealed containers of 40 feet.
- Pre-shipment of rose stems (*Rosa* spp.)
- Pest control: Family Thripidae, Tetranychidae and Aphididae,
- Exposure times: 17, 24 and 42 hours in conditions of 3 ° C and 80% RH.

Results:

- 100% mortality thrips, mites and 77% aphids; 42 hours maximum concentration of 800 ppm
- 100% mortality thrips, mites and 15% aphids; 24 hours concentration of 700ppm
- 99% for thrips, mites and 15% for aphids; at 17 hours, 550ppm concentration with a mortality of





Graph 3.- Relationship of phosphine concentration and mortality of pests of the thripidae, tetranychidae and aphididae families in the validation of the phosphine treatment. Pichincha-Quito, Tumbaco. July 2020.

Since September 2020, the tests of fumigated shipments begin with an exposure time of 17 hours, which is favorable for the logistics process of shipments and with approximately 35% of exporters that have been treated with fumigation

The information provided by the importers has been that the flower has not presented new features in its phytosanitary and commercial quality, for this reason, the pre-shipment treatment implemented has the objective of complementing or reinforcing the systems approach process that is implemented in phytosanitary protocols and that are mandatory for export ornamental operators.





Gracias
Thank you



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