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Supplementary Material for

Study of insecticide translocation in coconut palm trees after using pressurized endotherapy

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Figs. S1 to S2

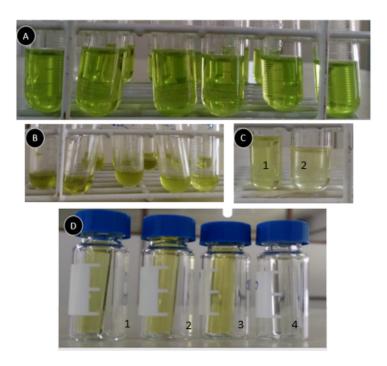


Fig. S1 – The Figure shows the visual profile of the extracts after sample drying procedure and solvent reconstitution. (A) Extracts after the cleaning step; (B) Samples after drying and reconstitution in ethyl acetate; (C) Extracts after cleaning: 1 - 10 mg of GCB and 2 - 50 mg of GCB; (D) Samples without vial: 1 - without GCB; 2 - 10 mg of GCB; 3 - 20 mg of GCB and 4 - 50 mg of CGB.

QuEChERS – Coconut leaves/frond **MODIFIED** sequence in the photos. **ACETATE** 2.5 g sample A- D Vortex for 2 min **Extraction** +7.5 mL water MilliQ + 10 mL ACN 1% HAc E,F Vortex for 2 min Vortex for 2 min and 4 g MgSO₄ **Partition** G + 1,7 g NaOAc Centrifuge for 5 min Strategy 8 mL supernatant for 15 min in H-J Leaf wax **Freezing** Centrifuge for 2 min the ultra freezer solidification 4 mL supernatant Vortex for 2 min and + 600 mg MgSO₄ Clean-up L Centrifuge for 5 min + 100 mg PSA +500 mg C18 LC-MS/MS Filter 0.22 µm 0

Fig. S2 – Detailed procedure of coconut leaf extraction method using modified QuEChERS. Extraction: (A-C) Leaf sample inside the falcon tube; (D) Sample with the addition of deionized water; (E) Addition of solvent; Partition: (F) Addition of salts; (G) Sample after centrifugation; (H) Supernatant freezing; (I) Centrifuge for 2 min; (J) Separation of the wax from the sample; Clean-up: Final appearance of the sample after the addition of clean-up salts and centrifugation.