



S. Fig 1 Frond injection method of insecticide application. (1-3), Drilling hole in the coconut frond using hand rotary drill machine and designed drill bit (4), A fresh injection hole (5), Sealing wax on tip end of the syringe (6), Measuring the injection volume (7-8), Placement of syringe and removal of plunger (9), Syringe covered with polyethene cover.



S. Fig 2 Effect of drilling on coconut fronds. (1), A fresh injection hole made during the imposing treatment (2), Injection hole on 7th day after treatment (3), Injection hole on 15th day after treatment (4), Injection hole on 60^h day after treatment (5) Injection hole on 140th day after treatment (6), Injection hole on 180th day after treatment have shown no secondary infection by pathogens and no mechanical damage.