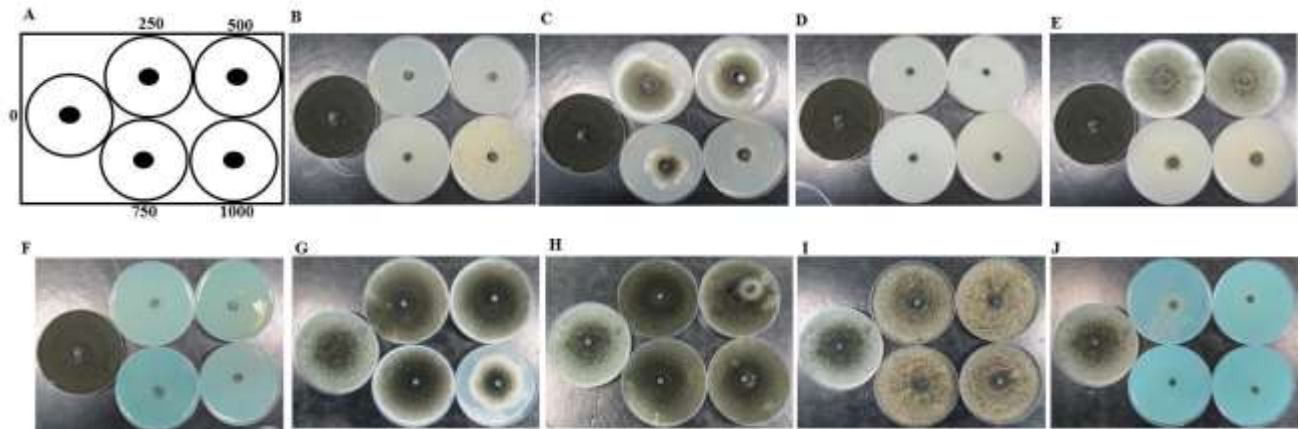
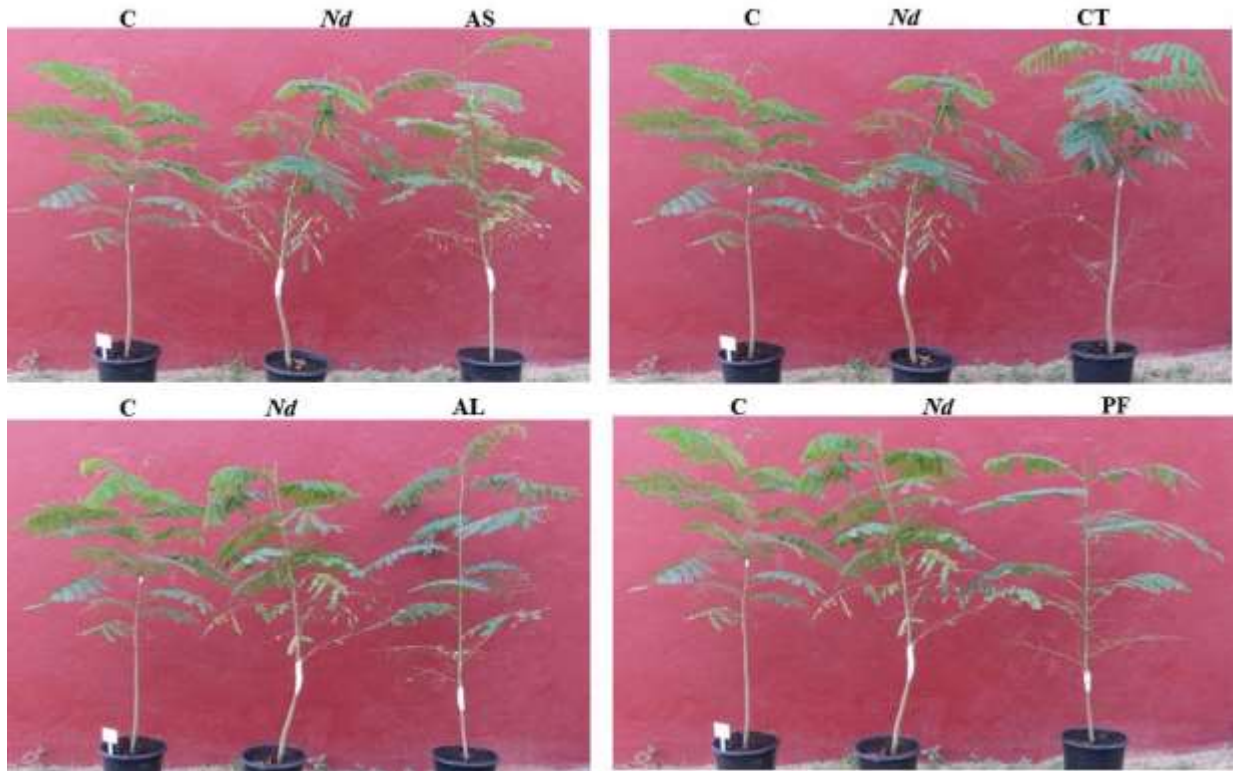


# Supplementary Materials: Molecular Characterization and Disease Control of Stem Canker on Royal Poinciana (*Delonix regia*) Caused by *Neoscytalidium dimidiatum* in the United Arab Emirates

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**Figure S1.** Growth inhibition effect of fungicides on *Neoscytalidium dimidiatum*. (A) An illustration showing inoculated-PDA plates containing different concentrations (in ppm) with the colonized *N. dimidiatum* agar plugs. Growth inhibitory effect on *Neoscytalidium dimidiatum* using the fungicides: (B) Amistar® Top; (C) Uniform®; (D) Cidely® Top; (E) Penthiopyrad®; (F) Protifert®; (G) Proxanil®; (H) Proplant®; (I) Previcur®; and (J) Airone Liquido® on PDA plates. In (A), black circles represent colonized *N. dimidiatum* agar plugs. In (B-J), photos were collected 5 days after inoculation.



**Figure S2.** Stem canker disease symptoms on royal poinciana seedlings before the fungicide treatment (0 wpt; 2 wpi with *N. dimidiatum*. C, control (no *N. dimidiatum*); Nd, *N. dimidiatum*; AT, Amistar® Top, CT, Cidely® Top; Pr, Protifert®; AL, Airone Liquido®; wpt/wpi, weeks post treatment/inoculation.

**Table S1.** List of PCR primers (sequence 5' to 3') used in this study.

Description	Left primer sequence	Right primer sequence
<i>ITS</i>	ITS1: TCCGTAGGTGAACCTGCGG	ITS4: TCCTCCGCTTATTGATATGC
<i>28S DNA</i>	LR0R: ACCCGCTGACTTAAGC	LR5: TCCTGAGGGAAACTTCG
<i>B-tubulin</i>	Bt1a: TTCCCCGTCTCCACTTCTTCATG	Bt1b: GACGAGATCGTTCATGTTGAACTC
<i>TEF1-<math>\alpha</math></i>	EF1F: TCGGTTGGTATCGACAAGCGT	EF2R: AGCATGTTGTCGCCGTTGAAG

**Table S2.** Labels, active ingredients, producing company and country of the fungicides used in this study.

<b>Fungicide</b>	<b>Active ingredients</b>	<b>Company</b>	<b>Country</b>
Amistar Top®	Azoxystrobin 200 g/L + Difenoconazole 125 g/L	Syngenta	Switzerland
Uniform®	Azoxystrobin 322 g/L + Metalaxyl-M 124 g/L		
Cidely® Top	Difenoconazole 125 g/L + Ciflufenamide 15 g/L		
Protifert®	Copper sulfate pentahydrate 20% + Aminoacides 19% + Sulfur 8% + Total nitrogen 3.3%	Sicit 2000 S.P.A.	Italy
Airone Liquido®	Metal copper 272 g/L	Gowan Italia S.P.A.	
Proxanil®	Propamocarb hydrochloride 400 g/L + Cymoxanil 50 g/L	Arysta LifeScience	Belgium
Protoplant®	Propamocarb 722 g/L		
Penthiopyrad®	Penthiopyrad 40%	Mitsui Chemicals Agro Inc.	Japan
Previcur®	Propamocarb hydrochloride 530 g/L + Fosetyl- aluminium 310 g/L	Bayer	Germany