

Supplementary material

Preliminary Studies on Detection of Fusarium Basal Rot Infection in Onions and Shallots Using Electronic Nose

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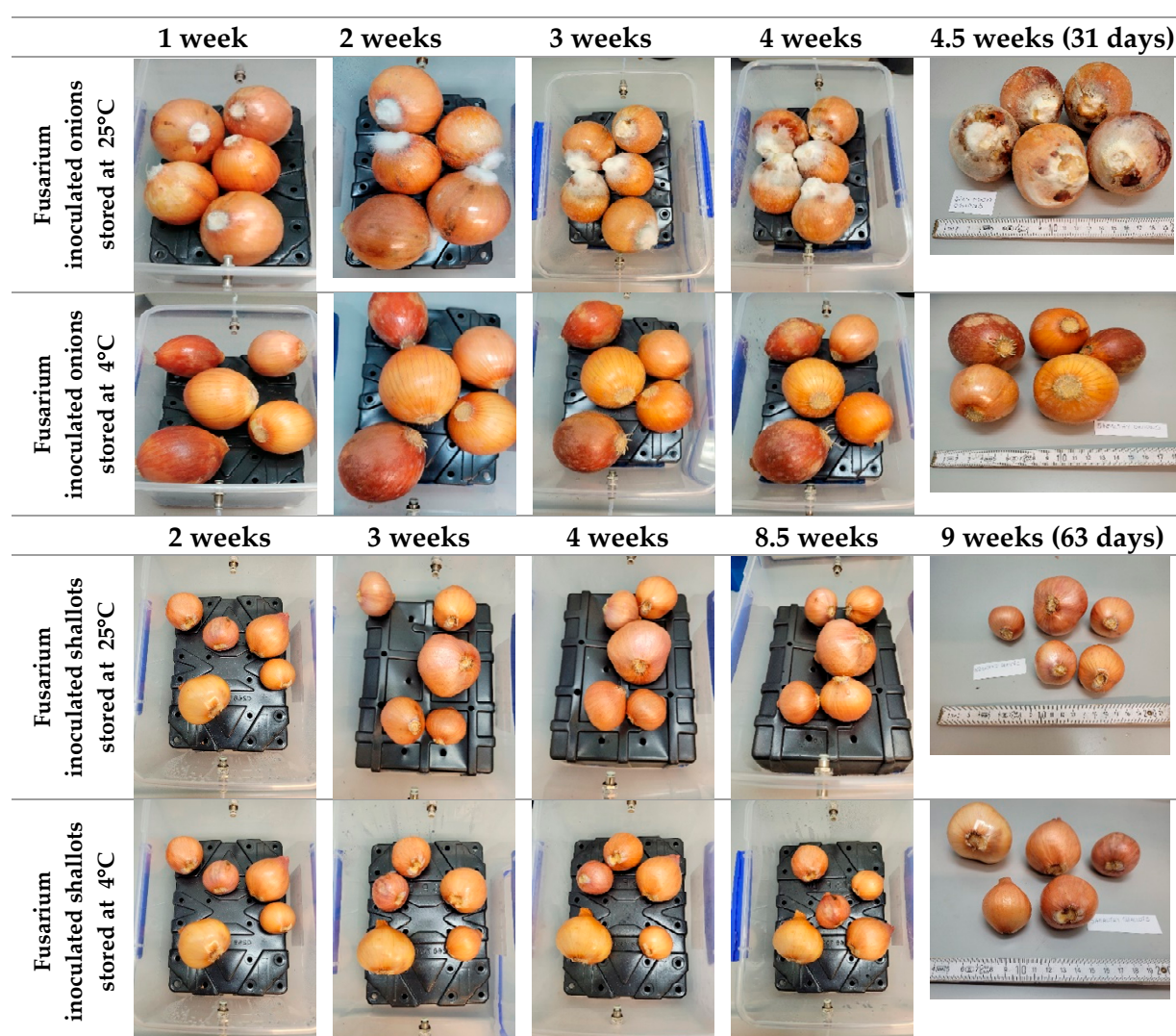


Figure S1. Visual symptoms of Fusarium basal rot development infection over time at 25°C and 4°C.









	25 °C	4 °C
Onions inoculated with Fusarium		
Control onions (not inoculated)		
Shallots inoculated with Fusarium		
Control shallots (not inoculated)		

Figure S2. Exemplar onion and shallot bulbs for different treatments following dissection after 31 days and 63 days storage at 25 °C and 4 °C respectively. Severe internal basal rot symptoms observed for bulbs stored at 25 °C compared to an absence of any disease for bulbs stored at 4 °C and non-inoculated control bulbs.

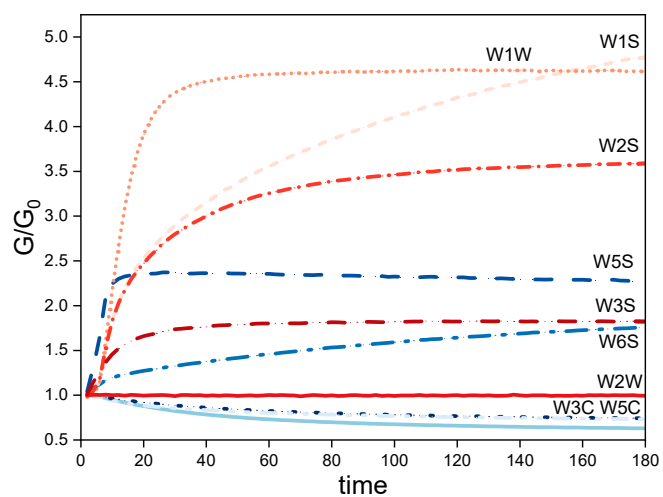


Figure S3. Sensors' responses to chemicals collected from non-infected onion bulbs stored at 25 °C for 1.5 weeks post inoculation.