

Fig. S1. Infrared spectra of GO.

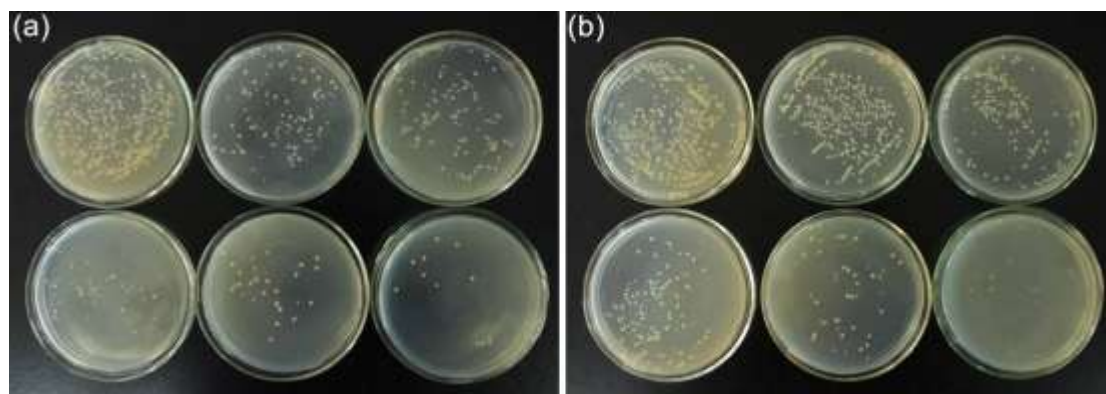


Fig. S2 LB-agar plate images of (a) *X. campestris pv. undulosa* and (b) *P. syringae* bacterial colony after treatment with different concentration of GO. The LB-agar plates in each image successively means 0 $\mu\text{g mL}^{-1}$, 10 $\mu\text{g mL}^{-1}$, 50 $\mu\text{g mL}^{-1}$, 100 $\mu\text{g mL}^{-1}$, 250 $\mu\text{g mL}^{-1}$, 500 $\mu\text{g mL}^{-1}$, respectively.

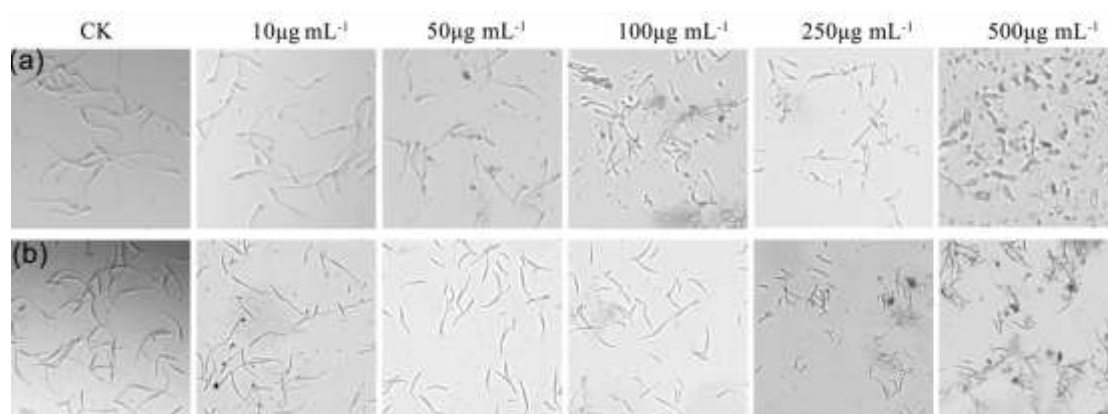


Fig. S3 Photomicrograph of GO-induced macroconidium germination of (a) *F. oxysporum* spores and (b) *F. graminearum* spores.

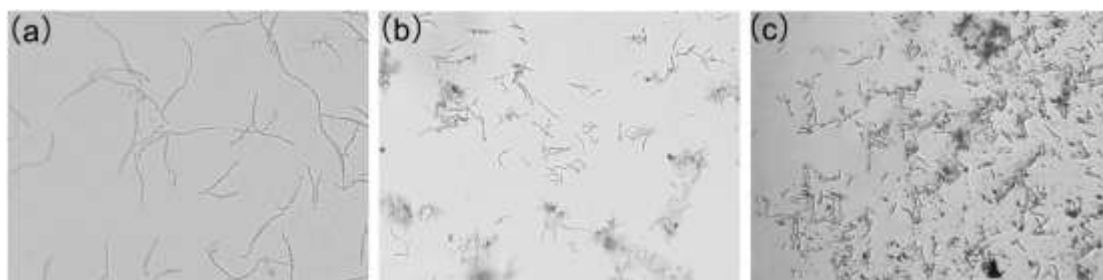


Fig. S4 Photomicrograph of GO-induced macroconidium germination of *F. graminearum* for 12h at (a) $0 \mu\text{g mL}^{-1}$, (b) $500 \mu\text{g mL}^{-1}$ and (c) $1000 \mu\text{g mL}^{-1}$.