

Supplementary materials

Figure S1 shows the ^1H NMR analysis of the isolated copolymer revealed the presence of ω -RAFT end groups ($\delta = 7.83, 7.45$ and 7.30 ppm) and the characteristic signals derived from DMAEMA ($\delta = 1.2$ ($-\text{C}-\text{CH}_3$), 2.6 ($-\text{CH}_2-\text{N}$), 2.2 ($-\text{N}-(\text{CH}_3)_2$), and $3.9-4.1$ ppm ($-\text{O}-\text{CH}_2$)) and BMA ($\delta = 0.85$ ($-\text{CH}_2-\text{CH}_3$), and $3.8-3.9$ ppm ($-\text{O}-\text{CH}_2$)). The values of integrals of the $-\text{O}-\text{CH}_2$ (i,c) groups of both co-monomers allowed to calculate the copolymer composition, which corresponds to 29 % of BMA units.

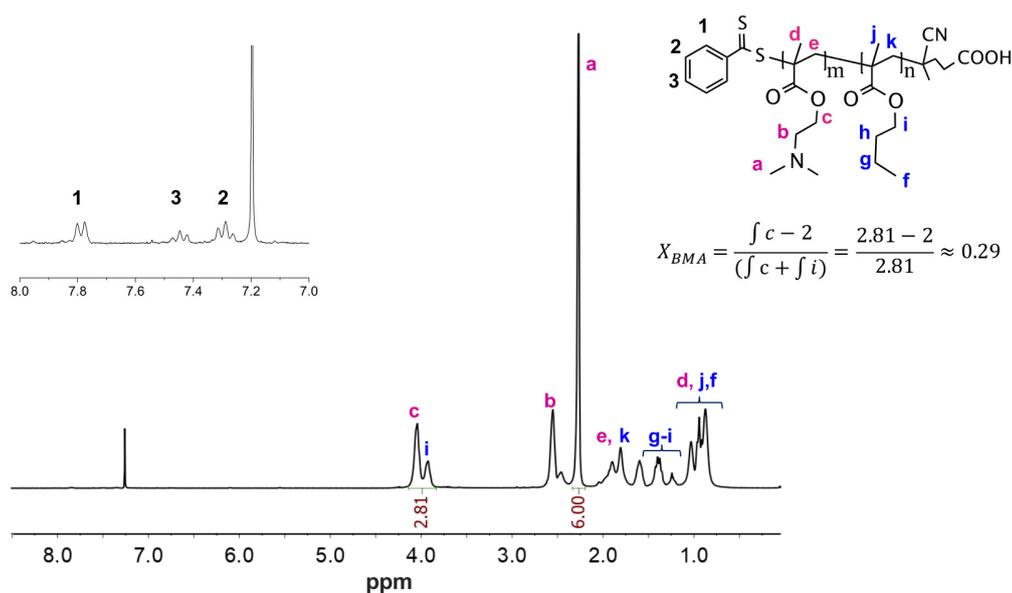


Figure S1. ^1H NMR spectrum of P(DMAEMA-co-BMA), recorded in CDCl_3 , with peak assignments. Inset is an expanded region highlighting the presence of the ω -RAFT end group protons.

The signal e' $\delta = 2.21$ ppm represents the six protons of the methyl group bound to nitrogen. Their intensity decreases progressively after the partial alkylation with methyl iodide generating a signal displaced at 3.14 ppm (e), and that corresponds to the nine protons of the quaternary amino group.

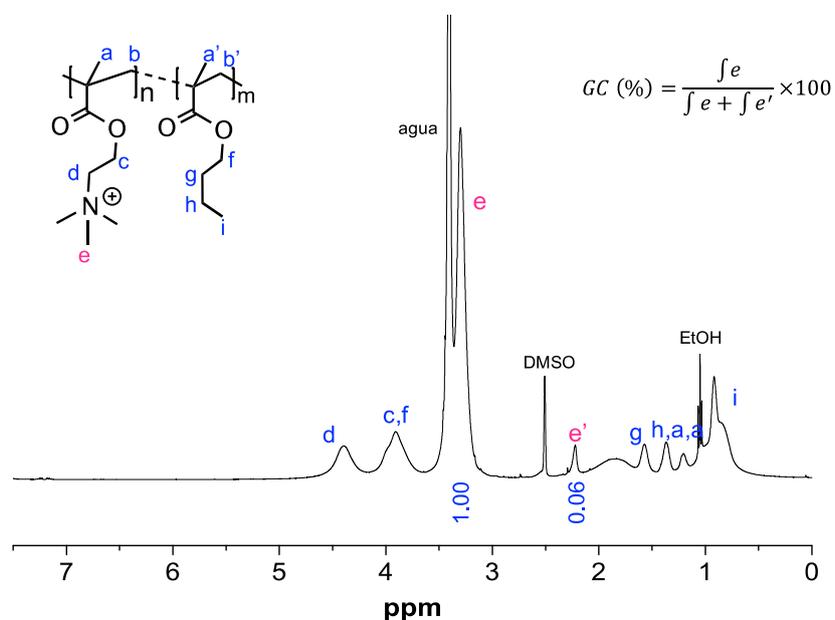


Figure S2. ^1H NMR spectrum of P(METAI-co-BMA), recorded in DMSO-d_6 .

PNB

Control



Figure S3. Healthy plants of tomato (*Solanum lycopersicum*) at 21 days of treatment with 70 ppm of PNB (**PNB**) and water treated (**Control**). Plants were grown in greenhouse conditions in absence of *Bactericera cockerelli* and *Candidatus Liberibacter solanacearum*.

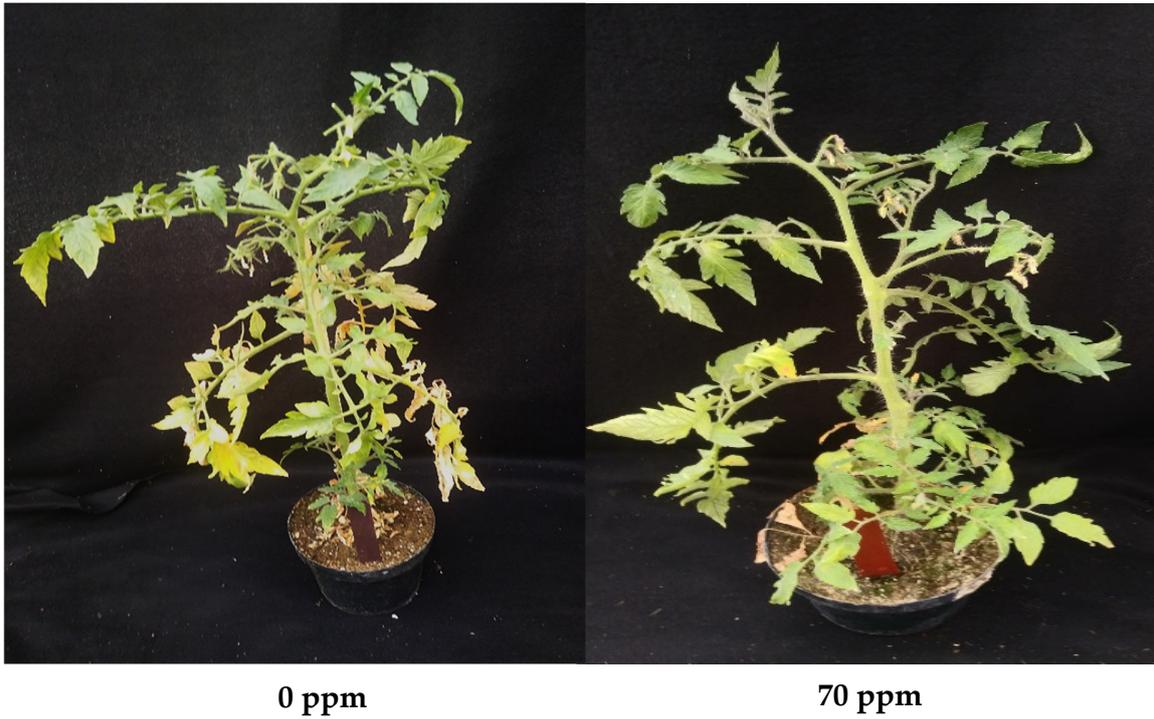


Figure S4. Infected plants of tomato (*Solanum lycopersicum*) with *Candidatus Liberibacter solanacearum* (CaLso) at 7 days of treatment with 70 ppm of PNB.



0 ppm

70 ppm

Figure S5. Infected plants of tomato (*Solanum lycopersicum*) with *Candidatus Liberibacter solanacearum* (*CaLso*) at 14 days of treatment with 70 ppm of PNB.

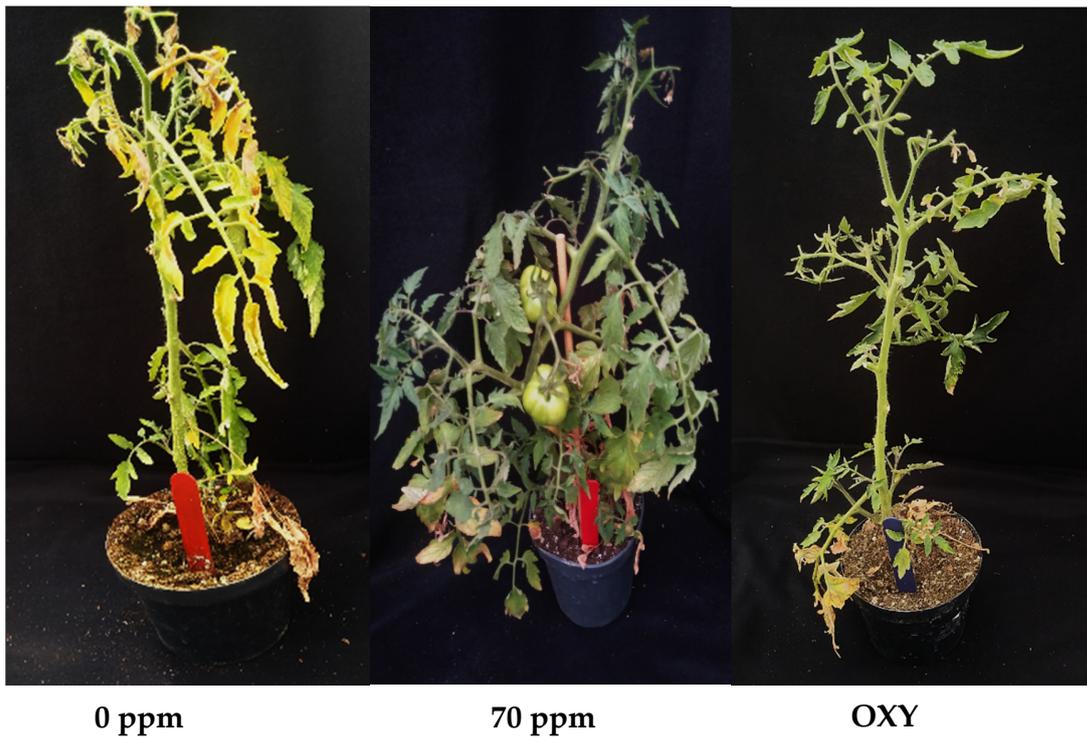


Figure S6. Infected plants of tomato (*Solanum lycopersicum*) with *Candidatus* Liberibacter solanacearum (*CaLso*) at 21 days of treatment with 70 ppm of PNB and oxytetracycline.