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Effects of single or combined water deficit and aphid attack on tomato volatile organic compound (VOC) emission and plant-plant communication

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Highlights

- Tomato responses to water deficit/aphid attack (alone or combined) were evaluated.
- Combined biotic and abiotic stresses may have an additive impact on VOC emission.
- VOC emitted by stressed plants induced VOC emission in unstressed receivers.
- An increase in attraction of parasitic wasps in receivers was detected.
- Results will be useful for insect pest management under water deficit conditions.

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