

Figure S1. Photograph of powder (left) and granules (right) of Cloisite 10A®

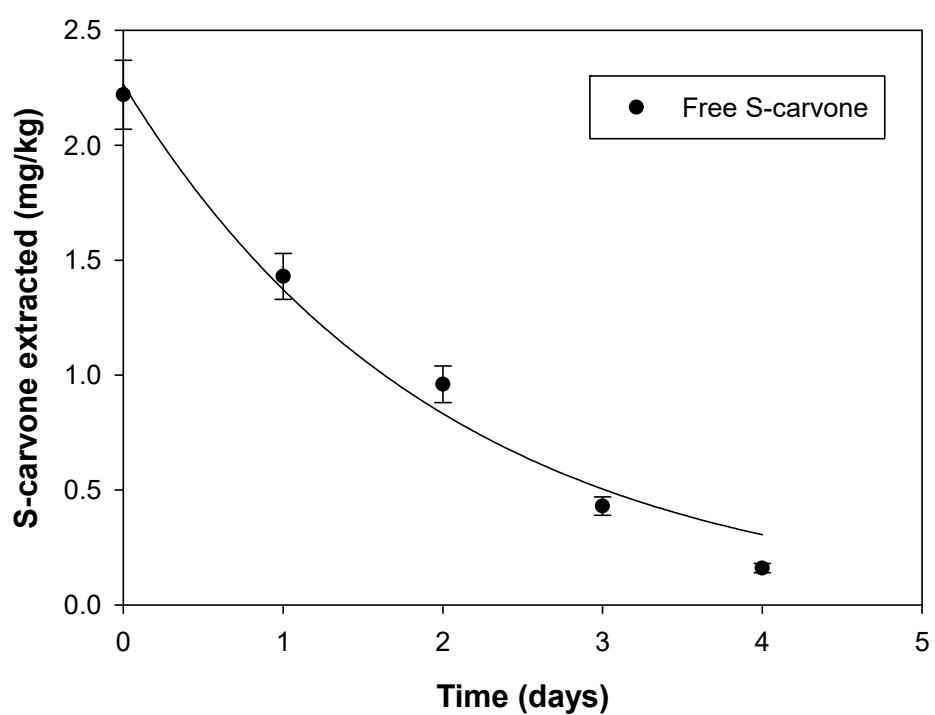


Figure S2. Dissipation curves for S-carvone applied to soil as free compound at an application dose of 2 mg/kg. Symbols represent experimental data whereas the line correspond to the fitting to single first-order dissipation kinetics. Error bars correspond to standard errors of triplicate measurements.

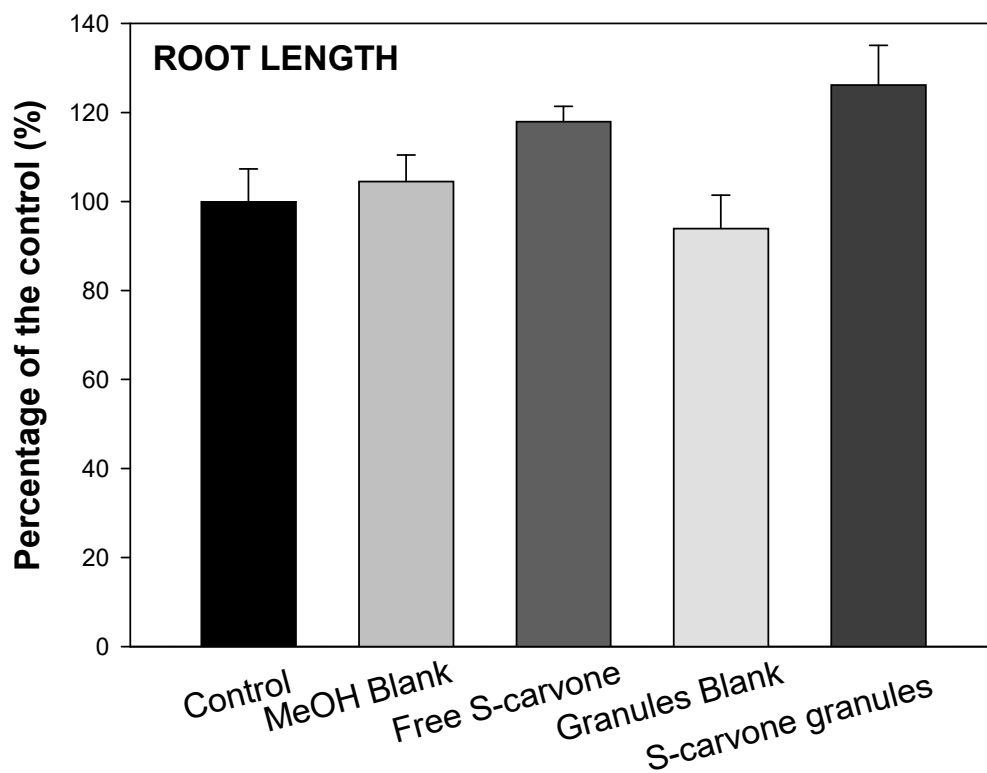


Figure S3. Effect of S-carvone applied to soil as free compound or supported on granules on root length of *Lactuca Sativa* L. Data (means and standard errors for n = 3) correspond to 7 days after treatment.

Table S1. Total amount of S-carvone (%) remaining in flasks containing the allelochemical in a free and granulated form after 7 days of exposure to air¹.

| | Control (%) | Free (%) | Granulated (%) |
|---|----------------|-------------|-------------------|
| Amount of S-carvone remaining in the flask | 90.5 ± 2.6 | 30.9 ± 2.3 | 42.0 ± 1.5 |

¹ Each flask contained 0.5 mg of allelochemical and 20 mL of water. **Control:** sealed flasks containing 0.5 mg of S-carvone dissolved in 20 mL of water; **Free:** open flasks containing 0.5 mg of S-carvone dissolved in 20 mL of water; **Granulated:** open flasks containing 17 mg of granules (0.5 mg of S-carvone) suspended in 20 mL of water.