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Interactive comment on "Manipulating interactions between plant stress responses and soil methane oxidation rates" *by* Xiaoqi Zhou et al.

Anonymous Referee #2

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This is a problem-based research and the experiment is well designed. The authors found that an ethylene biosynthesis inhibitor (AVG) increased the methane oxidation rates. The manuscript is short but well written. It should be changed to a short communication. I just have few minor comments and questions. 1. Why did not determine the methane oxidation rates in situ? The incubation only shows the potential rates. 2. The authors sampled the soils in late June. It will be better If they can sample for several times from April to June. 3. L162: What is "produce CH4 oxidation rates"?

Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2018-102, 2018.

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Discussion paper