

## ***Interactive comment on “Integrating a mini catchment with mulching for soil water management in a sloping jujube orchard on the semiarid Loess Plateau of China” by H. C. Li et al.***

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1. I would kindly suggest the authors to please revise the English as it is not easy to understand sometimes what the authors want to say.

» Thanks for this suggestion. The revised manuscript has been improved in English grammar, punctuation and diction.

2. P3200, L2-8: One sentence is enough for stating the principal objectives, and then describes the methods employed.

» We agree. We have rewritten the ABSTRACT section, and added the information of

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the methodology. (P2, L1-P3, L16)

3. P3202, L23: What's the meaning “the soil water profile”, Please rewrite the sentence.

» We agree. We have rewritten this sentence. (P5, L16-20)

4. Please provide photos to show the fish-scale pits.

» We agree. We have added a photo of fish-scale pit. Please see Figure 1.

5. P3203, L20-25: Careful writing of this section is critically important because the cornerstone of the scientific method requires that your results, to be of scientific merit, must be reproducible; and, for the results to be adjudged reproducible, you must provide the basis for repetition of the experiments by others.

» We agree. We have rewritten this section. (P6, L19-P7, L9)

6. P3205, L20: WD can reflect the degree of recovery of SWS, why use another index WS? More clarification is necessary.

» We respectfully disagree. WD is used for describing the state of soil water deficit, however WS reflects the influence of precipitation on SWS during the rainy season. (P9, L1-P10, L4)

7. P3206, L16-19: The result was all well known, I think it can be deleted.

» We agree. We have deleted this sentence. (P10, L16-18)

8. Fig. 2: Please adjust the abscissa of 2014 to make it more clearly and professional.

» We agree. It has been reedited. Please see Figure 2.

9. P3207, L5 and 6: why measuring soil water 3 d after rainfall at June and July, but 7 d at August? The authors should address the philosophy behind it. I am thinking that should also affect soil water redistribution. I hope authors can discuss this.

» We should measure soil water at 3 d after rainfall in August, but missed the measure-

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ment because the machine was out of order.

10. P3207, L14, please change “most” into “almost”.

» Thanks for this suggestion. But this sentence has been deleted. (P11, L12)

11. P3208, L8 and 9: The conclusion may be too hasty.

» We agree. We have deleted this paragraph. (P11, L19-P12, L1)

12. P3208, L13: Rainfall or rainfall events is more appropriate than rainfalls.

» We agree. It has been changed in the text. (P12, L6 and 9)

13. P3208, L21: why not describe the result of soil water deficit at September.

» We agree. We have rewritten this section of 3.3.1. (P12, L6-18)

14. P3209, L7-10: Please rewrite the sentence.

» We agree. We have rewritten this sentence. (P13, L9-12)

15. P3208, L23-P3209, L13: The structure of this paragraph should be rearranged.

» We agree. We have rewritten section of 3.3.2. (P12, L20-P13, L15)

Thank you very much for the positive and constructive comments.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C1789/2016/sed-7-C1789-2016-supplement.pdf>

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Interactive comment on Solid Earth Discuss., 7, 3199, 2015.