

## **Authors' Response to Short Comment by T. C. Chang**

**Comments:** Influence factors of vegetation phenophases have been widely studied, and thermal and water conditions are considered as two most important influence factors. However, in previous remote sensing studies, the influence of water condition has not been properly treated under some conditions, e.g. vegetation study of semi-arid area. This paper has made an improvement of using soil moisture as an index of water conditions and discussed its effect on vegetation green-up in semi-arid area; especially, the authors also explored a clever way of soil moisture estimating. It is a really good publication for the relative researcher to read and cite.

*Thank you very much for your positive comments, we will carry on the work and apply the method to other places for further improvement.*