

## ***Interactive comment on “Does drought advance the onset of autumn leaf senescence in temperate deciduous forest trees?” by Bertold Mariën et al.***

**Fabrizio D'Aprile**

[fabdapri1@gmail.com](mailto:fabdapri1@gmail.com)

Received and published: 8 December 2020

Certainly, water stress and/or related soil parameters cannot explain all the time variability in foliage coloration. However, it can contribute and therefore depict reaction of vegetation at both the small parcel and landscape level. I tested it in two works (please see the attached publications). This does not mean to contrast the authors' work but providing them with some more information that might be useful.

And, I would also like to attract the attention on the fact that crown transparency and coloration/withering, which have frequently been used as parameters related to water stress due to both direct and indirect causes, may not necessarily be indicative of the level of the humidity content of the tree and/or health status.

C1

Please also note the supplement to this comment:

<https://bg.copernicus.org/preprints/bg-2020-337/bg-2020-337-SC2-supplement.zip>

---

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2020-337, 2020>.

C2