



Materials and Methods

Two trials were conducted on adult non-irrigated commercial orchards of 'Hass' (6 year-old) and 'Breda' (10 year-old) avocados in São Paulo State.

 Water status: leaf water potential was measured under stressed (drought) and non-stressed conditions (after rain), using a pressure chamber (PMS, New Jersey, USA) on sunit leaves collected from the middle section of non fruiting and non-flushing shoots from the last vegetative cycle.

 Leaf a and b chlorophyll index was measured with a chlorophyll meter (ClorofiLOG[®] 1030, FALKER Inc.).





Conclusions

 For 'Hass' avocado under non-stressing conditions, covering the soil with mulch or mixtures of gypsum+lime and mulch or avocado wood chips, improves plant water status.

 For 'Hass' avocado under stress conditions, mulching improves chlorophyll content, compared with covering the soil with avocado wood chips and gypsum+lime.

 For 'Breda' avocado under non-stressing conditions, canopy spraying with kaolin #2 improves leaf water status as compared with the untreated trees.

 For 'Breda' avocado under stress conditions, canopy spraying with 1% mineral oil, or with any of the 3 kinds of kaolin films, improves the chlorophyll content.



