

carboxylase did not response to the day length treatments. However, susceptibility of phosphoenolpyruvate carboxylase to malate was detected clearly in phase 4 and at the beginning of phase 1 under different day length. It was suggested that the difference between treatments was related to the changes in the CO_2 exchange rate in those phases.

Keywords:

Crassulacean acid metabolism, Day length, Dendrobium Ekapol cv, Panda, Leaf conductance, Malate susceptibility, Phosphoenolpyruvate carboxylase

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