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Running title: Sugarcane responses to elevated ozone

Physiological and biochemical responses of two sugarcane genotypes growing under free-air ozone exposure

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Highlights

- Free-air O_3 exposure reduced sugarcane growth.
- Leaf CO_2 assimilation and stomatal conductance decreased.
- Leaf enzymatic antioxidant defense was activated.
- High constitutive SOD and CAT activities reduced sensitivity to O_3 damage.
- O_3-induced damage on biomass production and sugar yield is genotype-dependent.

Abstract