Responses in tissue water relations and growth in a C₄ and C₃ forage grasses to elevated ambient CO₂

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Favourable tissue water status is essential for growth in plant species.

Carbon gain accompanied by inevitable water loss through transpiration and

Plants have to manage the dilemma especially in situation of diminished soil-water.

We sort to find out if increasing ambient CO$_2$ modify

- tissue water status and
- growth

in two fodder grasses, a C$_3$ and a C$_4$. 

- *Pennisetum purpureum*
  - C₄ pathway
  - Tropics and subtropics
  - Fodder

- *Phragmites australis*
  - C₃ pathway
  - World wide distribution
  - Occasional fodder